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Vol. 8, No. 2

Mar. 1977

information Bulletin



WESTERN ASSOCIATION OF MAP LIBRARIES

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

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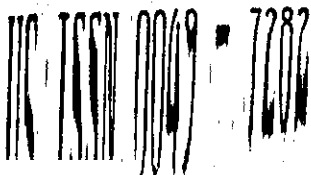
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Geo Abstracts, Part G;

The Information Bulletin is indexed in Library Literature, and Library and Information Science Abstracts; Surveying and Mapping/American Cartographers and, IREBI [Indices de Revistas de Bibliotecologia] (Argentina).

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

LC # 72 - 625238



Information Bulletin

Vol. 8, No. 2

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Western Association of Map Libraries

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[Appendices 1-5 by P.A.G. Alonso, January 1973; revised by Judith Wells, February 1975.]

A P P E N D I X 1

M A P S O U R C E S

[A selected List for Victorian Public Libraries]

Antarctic Division,
Department of Science,
568 St. Kilda Road,
Melbourne. 3000.

Material for schools, including one map. Can supply Antarctic maps at scales: 1:1M, 1:250,000
1:100,000 1:50,000

Australian Bureau of Statistics,
Population/Census Section,
P.O. Box 2796Y,
Melbourne. 3000.

Gratis, limited stock of mimeoed desk maps of collectors' districts of each local government area. Statistical division maps for Australia and each state, capital cities and urban districts (40¢).
Medium and large scale published maps for Melbourne, Geelong, Bendigo, and Ballarat (10¢ each).

Australian Government Publication
and Inquiry Centre,
347 Swanston Street,
Melbourne. 3000.

Hold incomplete stocks of Victorian maps at scales: 1:250,000, 1:100,000, 1:50,000.

Commonwealth Railways,
325 Collins Street,
Melbourne. 3000.

Wall map of Australian railways (30¢)
Strip maps of Port Pirie - Darwin, and Port Pirie - Perth Commonwealth lines (gratis).

Country Fire Authority,
Milton Parade,
Malvern. 3144.

Fire maps produced by Lands Department or regional officers, to whom inquirers would be referred by C.F.A.

Country Roads Board,
60 Denmark Streetm
Kew. 3101.

Maps showing C.R.B. roads, tourist roads, national parks, etc. Victoria 1:500,000, 1:2M 50 miles around Melbourne. Maps \$1 per sheet.

Crown Lands and Survey,
Department of Central Plan Office,
2 Treasury Place,
Melbourne. 3002.

Victorian maps and aerial photographs. No discounts. List of publications available.

Electoral Office, State see

State Electoral Office

Forests Commission - Victoria
Map Sales Section, Drafting Office,
1 Treasury Place,
Melbourne. 3002.

Maps for Forest Commission areas available. Demand publication of 1:63,360 maps in black & white; black and white prints of 40 chain to 1 inch map sheets; Alpine Walking Track sheets (all 75¢).

- Housing and Construction, Dept. of
17 Yarra Street,
Hawthorn. 3122. Small maps accompanying publications,
some on restricted access.
- Melbourne & Metropolitan Board of Works,
Planning Division Map Room,
625 Little Collins Street,
Melbourne. 3000. Planning scheme maps for consultation
and sale.
- Melbourne & Metropolitan Board of Works,
Survey Division Plan Room,
625 Little Collins Street,
Melbourne. 3000. Base maps for consultation and sale.
- Meteorology, Bureau of
Victorian Regional Office,
Commonwealth Centre,
Spring and La Trobe Streets,
Melbourne. 3000. Meteorological maps for Australia and
all states. Various prices, some
distributed gratis on application.
List of publications available.
- Metropolitan Transportation Committee,
Princes and Drummond Streets,
Carlton. 3053 "Rezoning and extension of zoned areas"
- set of 33 dye-line prints, available
at \$15 per set.
- Mineral Resources,
Geology and Geophysics, Bureau of
P.O. Box 378,
Canberra City, A.C.T. 2601 Specialized maps such as geology, grav-
ity, magnetics, seismic surveys,
tectonics, metallogenesis, petroleum
exploration titles. Maps can also be
purchased from Department of Minerals
and Energy Map Sales Section in Mel-
bourne - see below).
- Minerals and Energy, Dept. of
Map Sales Section,
Tasman House,
G.P.O. Box 5,
Canberra City, A.C.T. 2600. Major supplier of topographic, resources,
geological, tectonic, etc. maps of
Australia. International Map of the
World sheets. Discount of 33 1/3% to
government departments and for large
quantity sales. Discount of 10% to
schools, universities and teaching
institutions.
- Minerals and Energy, Dept. of
Map Sales Section,
460 Bourke Street,
Melbourne. 3000. Same, as in stock.
- Mines Department,
Publications Section,
107 Russell Street,
Melbourne. 3000. Geological parish plans; geological
quarter sheets; geological 1:63,360
(one mile to one inch) maps; Australia
1:250,000 geological maps of Victoria.
Possible discount on quantity orders.
- National Parks Service,
240 Victorian Parade,
East Melbourne. 3002. Tourist pamphlets including a sketch
map for every park, larger scale maps
on several national parks, foolscap-
sized [ca. 13 x 8 inches] map showing
their locations throughout Victoria.
Maps mostly under 50¢ or gratis.

Primary Industry, Department of
Forestry and Timber Bureau
Canberra, A.C.T. 2600.

Atlas of eucalyptus distribution.
1945. (\$12.00)
One map of Australia showing temper-
ature and rainfall. (10¢).

Railways see Commonwealth Railways
see also Victorian Railways

Soil Conservation Authority,
378 Cotham Road,
Kew. 3101.

Land studies with accompanying maps.
Available gratis to libraries only,
but supplies limited.

State Development Department,
232 Victoria Parade,
East Melbourne. 3002.

State regional boundaries map (1973),
some resources surveys still in print,
include many maps.

State Electoral Office,
Old Treasury Building,
Spring Street,
Melbourne. 3000.

State Electoral division maps for con-
sultation only; purchase from Lands
Department, Central Plan Office.

State Rivers and Water Supply
Commission,
590 Orrong Road
Armadale. 3143.

3" contour plans, engineering drawings.
Photomosaics of flood areas can be
made up on request or used for refer-
ence. Special Lake Eppalock map (50¢)
1:1M map of water distribution system
of Victoria (\$1).

Statistics see Australian Bureau of Statistics

Titles Office,
Law Department of Victoria,
283 Queen Street,
Melbourne. 3000.

Maps and plans shown on Certificates
of Title and other legal documents.
Most available for consultation only,
may be photocopied.

Transport, Department of
Air Transport Group,
Saleable Documents Section,
188 Queen Street,
Melbourne. 3000.

World Aeronautical Charts 1:1M
RAAF Plotting sheets 1:3M
Some high altitude aeronautical maps
and some other aeronautical publica-
tions. All 75¢ per sheet, no discounts.

Transport, Department of
Surface Transport Group,
35 Elizabeth Street,
Melbourne. 3000.

One map suitable for school use,
showing location of lighthouses in
Australia.

Transport Information Centre,
272 Collins Street,
Melbourne. 3000.

Melbourne Transport Map (15¢). They
will tell inquirers from which agen-
cies maps and timetables may be procured.

Victorian Railways Department,
67 Spencer Street,
Melbourne. 3000.

Suburban railway system, state-wide
railway system maps, available gratis.

Government Tourist Bureaux

Government Tourist Bureaux, all located in central Melbourne, [each has "Melbourne. 3000." added to address given] offer free sketch maps and tourist information; often they can also help with location and other types of general inquiries about their respective states.

Victorian Government Tourist Bureau, 272 Collins Street,
 New South Wales Tourist Bureau, 345 Little Collins Street,
 Queensland Tourist Bureau, Elizabeth and Collins Streets,
 South Australia Tourist Bureau, 8 Royal Arcade,
 Tasmanian Tourist Bureau, 254 Collins Street,
 Western Australia Tourist Bureau, Royal Arcade and Bourke Street,
 Northern Territory Tourist Bureau, 298 Collins Street,

Commercial Suppliers

Bushwalking, rock climbing and hiking maps are available at bushgear and skiing shops in the city and suburbs, e.g. Auski, Molony's, Lock Wilson.

Victorian city plans are available from suppliers such as Hamlyn, or from local bookshops and stationers. Navigation charts are available from John Donne and Son.

Algonia Guides,
 P.O. Box 52,
 Montrose. 3765

Publishes a small number of hikers' and mountaineers' maps, distributed direct or through Auski, John Donne and Loch Wilson.

Auski Pty. Ltd.,
 9-11 Hardware Street,
 Melbourne. 3000.

Broadbent, R. A., Pty. Ltd.,
 Tour Publications,
 16a Chapel Street,
 St. Kilda. 3182.

Publishes "Intercapital Highway Guide" and road maps of approx. 20 country areas in Victoria.

Broadbents Maps and Guides see Hamlyn, Paul, Pty. Ltd.

Clive Barrass Map Publishing Co.
 521 Sydney Road,
 Seaforth, N.S.W.. 2092.

Produce Gregory's Street and road maps, oil company maps (available at service stations) and W.A., N.T. and Queensland Automobile Association maps (available only through respective associations.)

Dominie Pty. Ltd.,
 341 Waverley Road,
 Mount Waverley. 3149.

School suppliers of maps and globes.

Donne, John, and Son,
 372 Little Bourke Street,
 Melbourne. 3000.

Publishers of Broadbents' and Robinsons' maps.

Hamlyn, Paul, Pty. Ltd,
37 Little Bourke Street,
Melbourne. 3000.

Publishers of Broadbents' and
Robinsons' maps.

Hutchinson Group (Australia) Pty. Ltd., Representatives for Geographia and
30 - 32 Cremorne Street, Falk, overseas map publishers.
Richmond. 3121.

L & S Educational Equipment Pty. Ltd., School suppliers of maps and globes.
8 Chesterville Lane,
Off 292 Chesterville Road,
Moorabbin, 3189.

Loch Wilson & Co., Sporting Goods,
46 Hardware Street,
Melbourne. 3000.

Molony, J., Pty. Ltd.,
197 Elizabeth Street,
Melbourne. 3000.

R. N. D. Services,
78 Whitehorse Road,
Deepdene. 3103.

Produces a few specialized rally-
drivers' maps. Retail supplier of
National Mapping, Lands Department,
Forests Commission and commercial maps.

Royal Automobile Club of Victoria,
Road Travel Department,
123 Queen Street,
Melbourne. 3000.

19 area maps and touring guides,
374 strip maps, available only to
R.A.C.V. Members.

Universal Business Directories
(Aust.) Pty. Ltd.,
159 Eastern Road,
South Melbourne. 3205.

Catalogue of maps, directories and
map equipment available.

A P P E N D I X 2

Recommended Maps

published by National Mapping Division, Department of Minerals and Energy.
Prices as of January 1975, from Minerals and Energy Map Sales Sections.

Australia	1:5,000,000	\$.80
Australia	1:2,500,000 map in 4 sheets	3.20 set
Gazetteer of Australia, based on 1:2,500,000 map		.80
Gazetteer of Australia, based on 1:2,500,000 series		----
Australia	1:1M series in Australian Geographic Series and International Map of the World (48 sheets available)	ca.\$ 38.00

The I.M.W. sheets replace the A.G.S.
sheets as they are issued and can be
integrated as one series for convenience.

Australia	1:250,000 topographic series. ca 550 sheets at .80 per sheet. Strongly recommended whole series be acquired.	ca\$ 440.00
Atlas of Australian Resources	Mounted and guarded maps in binder, commentaries in box.	20.00
<u>or</u>	Folded maps and commentaries in three boxes.	20.00
Australia	1:100,000 topographic series. 340 sheets available as of 1 June 1975 at .80 per sheet. (Victoria will be covered by 105 sheets, of which 46 are available.)	ca 272.00
Australia	1:63,360 topographic series. 420 sheets available as of 1 June 1970 at .80 per sheet. Stocks are reprinted when 1:100,000 substitute is available but series will not be completely out dated for many years.	ca 336.00
Australia	1:50,000 topographic series. 254 sheets available as of 1 June 1972 at .80 per sheet. (Victoria will be covered by about 400 sheets, of which 52 are available.)	ca 230.00

Sheets covering Victoria in 1:63,360 , 1:31,680 , 1:50,000 ,
1:100,000 , and, 1:250,000 are also available at the Central Plan Office,
Victorian Department of Crown Lands and Survey, Treasury Place, Melbourne.

A P P E N D I X 3

Recommended Maps Available at the Central Plan Office Department of Crown Lands and Survey

Index to 1:63,360 and 1:31,680 topographic map series. (1:31,680 sheets are
quarters of the 1:63,360 sheets.)

Index to 1:100,000 and 1:50,000 topographic map series. (1:50,000 sheets
are quarters of the 1:100,000 sheets.)

Index to the Base Map Series: Central Zone, Ballarat, Geelong, Mornington
Peninsula, Phillip Island.

Victoria 1:500,000 general map.

Victoria 1:500,000 map showing municipalities.

Victoria 1:500,000 map showing municipalities, parishes, counties.

Victoria 1:25,000 map series. (Highly recommended.)

State electoral maps.

Map portfolio with pressure clips to hold 1:25,000 sheets and other maps.

For the areas served by each particular library, sheets from these series are
recommended: Parish and township plans; County plans; Base Map Series; Dye-
line demand publication sheets of topographic series not available in print-
ed form; Topographic series at 2-inches to 1-mile (1:31,680); Topographic
series at 1-inch to 1-mile (1:63,360); Topographic series at 1:50,000;

Topographic series at 1:100,000; Aerial photographs and photomaps for specific locales.

Special sheets are issued from time to time for holiday areas or areas of particular topical interest. There is no single list of these special sheets (although one is being compiled) so just tell the officer at the Central Plan Office the area you're interested in and ask for all maps available. Some special sheets are: Buchan Caves Reserve, Hotham and Falls Creek Alpine Area, Port Phillip Bay Miscellaneous Photomap.

A P P E N D I X 4

Collectors' District Maps 1971 Census

Available from Commonwealth Statistician, Box 17, G.P.O., Canberra, A.C.T. 2601, and maps for particular states available in their capital cities at Population/Census Section of Bureau of Census and Statistics.

<u>Area</u>	<u>Scale</u>	<u>Number of Sheets</u>	
<u>NEW SOUTH WALES</u>			
Sydney	1: 5,000	2	} + index
	1: 10,000	82	
	1: 100,000	2	
Newcastle	1: 10,000	25	} + index
	1: 25,000	3	
Wollongong	1: 25,000	4	} + index
	1: 100,000	1	
<u>A.C.T.</u>			
Canberra	1: 12,000	6	} + index
	1: 25,000	1	
	1: 63,000	1	
<u>VICTORIA</u>			
Melbourne	1: 10,000	78	} + index
	1: 25,000	1	
	1: 100,000	3	
Geelong	1: 10,000	9	
	1: 25,000	1	
Ballarat	1: 25,000	1	
Bendigo	1: 25,000	1	
<u>QUEENSLAND</u>			
Brisbane	1: 10,000	35	} + index
	1: 100,000	2	
Townsville	1: 25,000	2	
Gold Coast	1: 25,000	2	
Toowoomba	1: 25,000	1	
Rockhampton	1: 25,000	1	

SOUTH AUSTRALIA

Adelaide	1: 10,000	35	} + index
	1: 100,000	1	

TASMANIA

Hobart	1: 25,000	3	} + index
	1: 100,000	1	
Launceston	1: 10,000	7	

NORTHERN TERRITORY

Darwin	1: 25,000	1	
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WESTERN AUSTRALIA

Perth	1: 25,000	7	} + index
	1: 34,000	32	

A P P E N D I X 5Forest Commission MapsPublished Colour Maps

<u>Name</u>	<u>Scale</u>	<u>Price</u>
Alpine Walking Track (prelim. ed.)	10.7 miles to 1 inch	nil
Barmah Forest	1 mile to 1 inch	75¢
Bright State Softwood Plantations	1 mile to 1.8 inches	40¢
Central Highlands	2 miles to 1 inch	90¢
Croajingolong East	2 miles to 1 inch	75¢
Feathertop *	1 mile to 1 inch	75¢
Forest Reserves of Victoria 1971	1:1,000,000	75¢
Forests of Victoria	1:2,000,000	40¢
Grampians Wonderland Forest Park	1 mile to 4 inches	75¢
Gunbower Island	1 mile to 1 inch	75¢
Lerderderg Gorge Forest Park *	1: 25,000	75¢
Macalister River Watershed	1:125,000	90¢
Mt. Buller Area *	40 chains to 1 inch	75¢
Mt. Cole Forest *	40 chains to 1 inch	75¢
Sherbrooke Forest Park	1 mile to 3.4 inches	20¢
The Grampians	3 miles to 1 inch	90¢
The Otways	2 miles to 1 inch	90¢
Victoria (Forest Divisions and Districts)	1:2,000,000	40¢
Victoria - Forest Reserves 1974	1:2,000,000	40¢

* Not yet available in colour, but black and white prints can be obtained at the price quoted.

Black and White Prints 1:63,360, showing major and minor roads, stream patterns, towns and localities. All sheets 75¢ each.

Beech Forest - Otway	Dargo	Juliet	Nelson	Wellington
Beechworth	Deddick	Kaye	Omeo	Wonnangatta
Benambra	Ellery	Kinglake	Orbost	
Bendock	Feathertop	Kosciusko	Princetown	
Bright	Gembrook	Mallacoota	Stirling	
Bruthen	Genoa	Mansfield	Stratford	
Buffalo	Glenmaggie	Matlock	Taggerty	
Cann-Everard	Glen Wills	Moe	Tawanga	
Cobbannah	Howitt	Moroka	Thowgla	
Cobberas	Jacobs River	Murrindal	Walhalla	
Craigie	Jamieson	Murrungowar	Wellesley	

Black and White Prints 40 chains to 1 inch series, showing major and minor roads, stream patterns, towns and localities. A, B, C, and D represent individual quarter sheets of the one-mile map sheet available. Maps are not regularly revised. All sheets 75¢ each.

Aire	A B	Craigie	C	Jacobs River	A C	Otway	A
Beech Forest	A B C D	Dargo	A B C D	Jamieson	A B C D	Princetown	A B C D
Benambra	A B C D	Deddick	A B C D	Juliet	A B C D	Stirling	A B C D
Bendock	A B C D	Ellery	A B C D	Kaye	A B C D	Taggerty	A B C D
Bright	A B C D	Everard	A B	Kinglake	A B C D	Tawanga	A B C D
Bruthen	A B C D	Feathertop	A B C D	Kosciusko	A C	Thowgla	A B C D
Buffalo	A B C D	Gembrook	A B C D	Mallacoota	A B C	Walhalla	A B C D
Cann	A B C D	Genoa	A C D	Murrindal	A B C D	Wellesley	C
Cobannah	A B C D	Glenmaggie	A B C D	Murrungowar	A B C D	Wellington	A B C D
Conran	A B	Glen Wills	A B C D	Omeo	A B C D	Wonnangatta	A B C D

Alpine Walking Track - 1:63,360 sheets available from Secretary, Forests Commission, Victoria, 1 Treasury Place, Melbourne, Victoria 3002. 75¢ each.

Benambra	Glen Wills	Kosciusko	Tawanga
Buffalo	Howitt	Mansfield	Thowgla
Dargo	Jacobs River	Matlock	Walhalla
Feathertop	Jamieson	Moroka	Wellington

Packaging and Postal Charges

All prices as indicated, plus packaging and postal charges as follows:

<u>In map cylinders</u>		<u>In map envelopes</u>	
Number of maps	Charge	Number of maps	Charge
1 - 15	\$ 1.00	1 - 2	35¢
16 - 20	\$ 1.20	3 - 6	50¢

A P P E N D I X 6

BIBLIOGRAPHY

Alonso, P.A.G. "Archival map preservation and documentation". Archives and Manuscripts, v.5, no. 1 (November 1972), pp. 8-13.

_____. "Conservation and circulation in map libraries; a brief review". S.L.A. Geography and Map Division Bulletin, No. 74 (December 1968), pp. 15-18.

- Bahn, C.I. "Map Libraries, space and equipment". S.L.A. Geography and Map Division Bulletin, No. 46 (December 1961), pp. 3-17.
- Brown, L.A. "The problem of maps". Library Trends, v. 13 (October 1964), pp. 215-225.
- Drazniowsky, Roman. Map librarianship: Readings. Metuchen, New Jersey, Scarecrow, 1975.
- Drexel Library Quarterly, v. 9, no. 3 (October 1973). Map librarianship issue.
- Easton, W.W. "Repair and preservation of map materials". Special Libraries, v. 61, no. 4 (April 1970), pp. 199-200.
- Galneder, M. "Equipment for map libraries". Special Libraries, v. 61, no. 6 (July - August 1970), pp. 271-274.
- Illinois Libraries, v. 56, no. 3 (May 1974). Map collections issue.
- Kunz, E. F. "Maps for small and medium size municipal and shire libraries". Australian Library Journal, v. 9 (April 1960), pp. 56-60.
- Prescott, Dorothy. "Some suggestions for a basic Australian reference collection in the map room". Proceedings of the Australian Map Curators' Circle Seminar, University of Sydney, 27-28 February 1974. pp. 24-36. (A basic listing without annotations appeared in Geography Teachers' Association of Victoria newsletter Interaction, v. 2, no. 7 (November 1974), pp. 11-21.
- Stephenson, R.W. "Published sources of information about maps and atlases". Special Libraries, v. 61, no. 2 (February 1970), pp. 87-98.
- Wallis, H. "Reference work in a map library". Kartensammlung und Kartendokumentation 9, (1971), pp. 111-116; or, INSPEL, v. IV (1969), pp. 85-88.
- White, R.C. "Ideal arrangement for maps in a library". Special Libraries, v. 50 (April 1959), pp. 154-161.

[EDITOR'S NOTE: Readers will recognize that this paper is primarily a guide for public librarians in Victoria, Australia, but its content focus is also useful for those who collect maps of Victoria, and for the practical details on acquisition, handling, and storage, as well as conservation practices.

Except for slight modification, this article is reprinted here from Technical Bulletin 3 (Nov. 1975)(2d ed.), entitled: Map Collections in Public Libraries: Starting, Building, Maintaining Them, by Patricia A.G. Alonso. Our thanks to the author for permission to use it here.

Copies of the Technical Bulletin are available from its publisher, Public Libraries Division, Library Council of Victoria. \$A .75¢ plus postage; specify airmail or surface mail on order and pay on invoice, don't prepay.]

MAPPING WILDFIRE HAZARDS IN COLORADO

by

James R. Getter & Lorraine K. Seger

Colorado State Forest Service
Colorado State University
Fort Collins, Colorado 80523

Introduction

The Colorado State Forest Service (CSFS), a division of the Colorado State University, is directed by Colorado House Bill 1041 (HB 1041), Land Use Legislation, to provide technical assistance to local governments as it relates to Wildfire Hazard Area Mapping (WHAM).

The population of Colorado is increasing steadily, particularly in mountain areas where it is becoming increasingly popular to build summer or second homes. However, imprudent building takes place without regard for the hazards that exist to life and property. Avalanches, floods, rock and mudslides, and wildfires have destroyed much property throughout history. It is hoped that adherence to land use legislation will prevent construction and habitation in areas of high fire danger.

The WHAM process consists of slope mapping, aspect mapping, fire hazard classification and ecosystem mapping; however, before addressing the WHAM process as it applies to mountain land use, it is necessary to know some facts about fire behavior and why we are mapping certain parameters.

Fire Behavior

Wildfire hazard is -- the potential of a fire occurring and sustaining itself because of existing conditions. Fire behavior is -- how a fire acts.

Three interdependent things are always needed for a fire to "happen": fuel or material to burn, oxygen to support combustion, and heat to maintain combustion. Removal of any one side of the triangle and the fire will stop. In fire prevention or pre-suppression activities the only component of the fire triangle we are capable of altering is fuels.

There are three phases of combustion: (1) preheating - heating fuel to a very high temperature; (2) gaseous - flames occur and burn gases that are vaporizing from the fuel; and (3) charcoal - combustible materials are consumed. The process may be very slow to explosive in speed.

An ignition source is needed to start a fire. The most common source in mountain areas is lightning. Others are campfires, incendiaries, smokers, logging operations, faulty chimneys, and dumps. Risk, the chance of fire starting, increases with increased human activity.

Presented to the joint meeting of the Western Association of Map Libraries, and the Geography and Map Division, Special Libraries Association, at the June 11, 1976 meeting in Denver.

There are four methods of heat transfer by a fire: conduction, radiation, convection, and mass transport. Conduction is of little importance in vegetation fires. Radiated heat is very intense near the fire and decreases in intensity with increased distance from the fire. Convected heat may reach great distances from the fire. Forest fires create their own convection columns above the flames, sucking in air near the base, super-heating the air which flows upward quickly to overheat fuels. Mass transport is the moving of burning material to other locations. Wind and convection air may carry firebrands great distances to start other individual fires.

Forest fires are classified into three types: ground, surface, and aerial. Ground fires occur in partially decomposed duff, roots, and peat. They are very slow moving but hard to detect, thus the fire may move underground great distances before being noticed. Surface fires burn in loose litter, low vegetation and dead vegetation on the ground. Aerial fires spread from tree crown to tree crown. These fires may be extremely fast-moving and very hot. Aerial fires are hard to control when moving at a high rate of speed.

All fire types are influenced by the three major components of the fire behavior triangle: fuel, topography, and weather. A change in any side of this triangle will alter fire behavior.

Size, continuity, compaction, volume and moisture are characteristics used to describe fuels. Weather and topography are uncontrollable ingredients of fire behavior. Topography, the lay of the land (consisting of aspect and slope), influences fuel arrangement and alters local weather conditions. Similarly, weather affects fire behavior by altering: (1) fuel moisture; (2) fuel volume; and, (3) fire spread (winds).

Predictability of these three components is also important in fire behavior analysis. While all three are predictable on a local scale, weather is the only unpredictable element of the triangle.

The Wildfire Hazard Mapping Process

Utilizing this knowledge of fire behavior, the WHAM process proceeds through reconnaissance, slope/aspect mapping, density/ecosystem typing, and fire hazard classification/field checking phases. The end product is a basemap with reproducible mylar overlays. It is given to local governments by Colorado State Forest Service District Foresters. Technical assistance is also provided to local governments on the mapping procedure so that they may have a better understanding of the interpretation and process used in classification.

The basemap used is the nationally available U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle (scale 1:24,000). 1,150 map sheets of Colorado's 1,824 quadrangles are currently in-print, of which 900 map sheets fall in mountainous or forested areas.

Hazard classification criteria include slope, aspect and vegetation density to include ecosystem typing (Lynch, 1974).

Slope, an important determinant of fire behavior, is divided into two classes: slopes under 30-percent, and slopes 30-percent-and-over. A pair of pre-set dividers is used to measure distance between map contour lines. Slopes of 30-percent or greater exist where two or more contour lines fall within this pre-set distance. These extreme slope areas are then depicted as shaded blocks on the overlay, while slopes under 30-percent are left clear. Topographic benches less than four chains (264 feet) wide will not be mapped regardless of adverse slope.

Topographic aspect is divided into eight 45-degree classes (N, NE, E, SE, S, SW, W, and NW) centered upon true azimuth bearings. Aspects are delineated using a Point Aspect Finder (Seger and Frobig, 1975) developed by the Colorado State Forest Service. South and southwest aspects are delineated and shaded on overlay material.

Fire hazard classes and vegetation density data are visually photointerpreted from 1:20,000 scale, nine by nine inch format, black and white panchromatic vertical contact aerial photographs using an Old Delft scanning mirror stereoscope.

Approximately 30 to 35 aerial photos are required to photointerpret a 7.5-minute quadrangle. Ecosystem types and densities are interpreted within the effective area of each photo, and this detail is transferred to the map sheet using either a Map-O-Graph projector or Zoom Transfer Scope. Minimum mapping areas are five acres; smaller areas are classified by dominant type. Considerable aerial photointerpretation experience is necessary for this phase.

Where available, 1:50,000 scale high-altitude NASA color infrared transparencies are used for both their timeliness and false-color delineation of wet meadows, bogs, and riparian areas.

Fuel densities and classifications are applied as follows (Fahnestock, 1971):

Class 0, no hazard: nonflammable materials.

Class A, low hazard: grass, forbes and brush less than two feet in height; deadwood in contact with the ground; open conifer stands with 0 to 35 percent crown coverage; stands of aspen, cottonwood or willow. Where slash (natural or logging residue) or ladder fuels are abundant, the hazard becomes Class C. Also, when conifer stands with 30 to 35-percent crown density occur on slopes over 30-percent, the hazard becomes Class B.

Class B, medium hazard: medium density conifer stands with 35 to 55-percent crown coverage and surface fuels of mainly herbage and litter and some patches of conifer reproduction and deadwood. Where abundant slash, brush over two-feet tall, conifer reproduction, blowdown, or insect-killed trees are present, the stand becomes hazard Class C. Also, when stands with 50 to 55-percent crown density occur on slopes over 30-percent, the hazard becomes Class C.

Class C, severe tree hazard: dense conifer stands greater than 55-percent crown density with any surface fuel.

Class X, severe brush hazard: dense to moderately dense flammable vegetation, two to ten-feet in height, including Gambel Oak (seasonally in fall), big sagebrush, conifer reproduction, abundant litter and/or herbaceous fuel; scattered conifer stands may also be present.

The ecosystem overlay is the final component of the fire hazard/ecosystem mapping package. Ecosystem identification consists of photointerpretation and ground verification of selected plant species that are indicative of particular ecosystems. The following 20 ecosystems (Lynch, 1974) are recognized and delineated:

Alpine	Disturbed	Meadow	Pinyon-
Aspen	Douglas-fir	Mixed Conifer	Juniper
Aquatic	Greasewood-Saltbrush	Mountain Grassland	Ponderosa Pine
Bog	Lumber-Bristlecone Pine	Mountain Shrub	Riparian
Bog-Riparian	Lodgepole Pine	Non-vegetated	Sagebrush
			Spruce-fir

Preliminary overlays are done in pencil and not inked until necessary field work is completed. In the field-checking phase, one sample plot is randomly selected for each classification mapped to include the use of vantage points. Maps are checked on the basis of these data for office procedure accuracy and necessary corrections are made.

After field checks, corrections, and other finishing touches, the basemap and overlays are copied and sent to State District Foresters who in turn contact county planning officials with an explanation of what the map representations mean. County Planners have found the Wildfire Hazard Area Map package as an invaluable tool in land use planning activities.

The Colorado State Forest Service has developed a computerized mapping program, TOPOMAP (Tom and Getter, 1975). This program, given elevation data, computes slope and aspect information on a scale of 1:24,000, pen plot map. Forest Service personnel are also working with Dr. Eugene Maxwell, Earth Resources Department, Colorado State University, in determining the feasibility of using satellite imagery to map both vegetation type and density.

Literature Cited

- Colorado Division of Planning, 1974. Digest of House Bill 1041. 1041 Technical Bulletin, No. 2. Department of Local Affairs, Denver, Colorado. 11 p., illus.
- Fahnestock, George R., 1971. Rating Forest-Fire Hazard in Residential Developments in Colorado Forests. Unpublished report for consulting agreement of June 1971. Colorado State Forest Service, Colorado State University, Fort Collins. 29 p., illus.
- Lynch, Dennis L., 1974. Ecosystem Guide for Mountain Land Planning. Colorado State Forest Service, Colorado State University, Fort Collins. 225 p., illus.
- Seeger, Lorraine K., and Clara J. Frobig, 1976. New Mapworking Tool Designed. Manuscript to be published in Fire Management, 1976, Winter issue. 3 p.
- Tom, Craig and James R. Getter, 1975. Computer Mapping of Wildfire Hazard Areas: A User-Oriented Case Study. Colorado State Forest Service, Colorado State University, Fort Collins. 50 p., illus.

COMPILATION AND ANALYSIS OF A STATE MAP AND AERIAL PHOTOGRAPHY DIRECTORY*
-
A NEVADA EXPERIENCE

by

Mary B. Ansari
Mines Librarian, University of Nevada, Reno

As outlined at WAML's 1973 Fall Meeting at Riverside, Mines Library at the University of Nevada, Reno, is planning the establishment of a 2,000 square-foot map room to house the major portion of the University Library's maps. Mines is scheduled to move into its new facility in the summer of 1977, and at that time the planned map room will at long last materialize.

Before I became involved in a survey of Nevada's map and air photo resources, I strongly suspected that Mines housed the largest map collection in the State; the results of the survey confirmed this suspicion. The need for the survey evolved over the past several years as Mines began fielding an increasing number of reference questions concerning maps and air photos. In that Mines staff consists of only 2.50 FTE's, plus 1.50 student assistant FTE's, none of whom have any training in map librarianship, and maps represent only a small part of the total operation, staff members experienced an increasing need to be able to refer patrons to appropriate agencies and collections if Mines could not provide the requested information or map. In addition, I was aware that the information obtained from a survey of the State's map and air photo resources would prove useful in the drafting of a formal map collection development policy for the planned map room.

Consequently, I deemed it desirable to conduct as comprehensive as possible an inventory of the State's map and air photograph resources. Unfortunately, the 1969 WAML Directory of Map Collections in Alaska, Arizona, California, Hawaii, Idaho, Nevada, Oregon, Alberta, British Columbia listed only one collection in Nevada, and that was in Elko.

The first step in the survey was the drafting of a questionnaire which would be easy to understand and fill out for both library and non-library respondents. Initially, I examined the questionnaires that were used for the WAML and SLA map directories. The resultant questionnaire, which is appended, is an amalgamation of ideas from those questionnaires, my own ideas, and suggestions from some of my colleagues. Some suggestions worth merit could not be adopted without having the questionnaire exceed one sheet, which I wished to avoid. Unfortunately, as is often the case, many of the defects of the questionnaire were not discovered until the responses were being tabulated.

Several weeks went into finalizing the questionnaire and cover letter. In October, 1975, the questionnaire was circulated to over 140 libraries, historical societies, museums, private collectors, and State and Federal government agencies throughout the State. Since I fully expected to receive no more than 25 to 30 responses, it was indeed gratifying to receive a total of 56 responses.

* Presented at WAML's Spring Meeting at Corvallis, Oregon, September 24, 1976.

At this point I was still unsure in what format and by whom the survey results would be circulated or published. I was considering approaching either the State Library or the Nevada Library Association to publish the information in the form of a directory when Alvin R. McLane, one of the survey respondents and a well-known figure in Nevada map circles, indicated that he was interested in publishing it in his Camp Nevada Monograph Series. Since I knew Mr. McLane's publishing operation to be fast, inexpensive, and meticulous, I enthusiastically accepted his offer and began tabulating the survey results in directory format.

The resultant directory, Nevada Collections of Maps & Aerial Photographs, Camp Nevada Monograph no. 2, [40 p., Reno, 1976 (L.C. Card No. 76-12757)] is arranged alphabetically by name of responding agency, and each entry is numbered consecutively. Typical entries include name, address, telephone number, and hours of responding agency; geographic and subject scope of the collection; depository status; collection size and composition; arrangement and classification; cataloging status; accessibility and loan policy; and information on copying privileges and available copying facilities. In addition, there is a subject and geographic index to the collections.

An analysis of the directory's listings follows: the 56 listings include 6 private collections, 7 public libraries, 10 State government agencies, 13 Federal government agencies, 15 University of Nevada System departments and libraries, and 5 other agencies. Even though the majority of the reported collections were in Nevada's three largest urban areas, Reno with 19 listings, Carson City with 12, and Las Vegas with 10, ten other towns reported collections. Eight of the 56 reported collections were composed solely of air photos; 22 were a combination of both air photos and maps; and 26 were composed solely of maps. Nineteen participants reported that their collections included wall maps, 18 included atlases, 11 included globes, and 9 had gazetteers.

Most of the reported collections were quite small, the most common size being about 500 map sheets and 800 aerial photographs; several participants did not report the size of their collections. The largest reported map collections were the University of Nevada, Reno (hereafter designated UNR) Mines Library with over 60,000 map sheets, UNR Library Government Publications Department with 22,200 sheets, Nevada State Library with 10,000 sheets, and the Nevada Historical Society with 5,000 sheets. The U.S. Bureau of Land Management State Office in Reno reported the largest collection of air photographs numbering about 100,000 photos, and the UNR Remote Sensing Laboratory reported the second largest collection numbering 10,000 air photos.

The subject composition of the collections was as follows: topographic coverage was reported by 40 of the 56 respondents, geologic and hydrologic coverage by 24 respondents, historical coverage by 22, soils by 17, agricultural by 15, and sociocultural by 11. Other subject coverage reported included climatic coverage by 9 participants, political by 8, economic by 7, mineral resources and mining by 4, and range management by 3.

An analysis of the geographic scope of coverage indicated that 55 of the 56 respondents had map or air photo coverage of Nevada. Coverage of western states excluding Nevada was as follows: 19 respondents indicated coverage of Arizona; 8 coverage of Utah; 6 Idaho and Oregon; 2 Colorado, Montana, and New Mexico; and 1 Wyoming. Fourteen participants indicated general coverage of

the United States. Of this number, most had only atlas-type U.S. coverage, with the exception of the UNR Geography, Mines, and Government Publications collections, which were more specialized and comprehensive. Ten respondents reported international coverage; again, this was mostly atlas coverage, with the exception of the UNR Government Publications and Mines collections.

The reporting of the chronological coverage was quite unsatisfactory, primarily because of the way that portion of the questionnaire was structured. I suggest that question five be revised to include the following time periods: pre-1850; 1850-1899; 1900-1939; and 1940 to present. Dividing the Twentieth Century in this manner would better accommodate the reporting of collections composed solely of aerial photographs. As might be expected, of the 56 participants, only four reported having any pre-1800 coverage, with two of the four indicating that only one-percent of their collections were of that vintage. Fifteen reported some coverage for 1800-1899, with only one (Nevada Historical Society) reporting 50-percent of their collection to be from this period, two (University of Nevada, Las Vegas, Library Special Collections Department and a private collector) reported 25-percent of their collections of this period, one 10-percent, four 5-percent, and the remaining seven, less than 5-percent. Forty-three participants reported coverage for 1900 to the present; several respondents did not answer this question.

Ten of the respondents reported being U.S. Geological Survey topographic map depositories; three U.S.G.S. geologic depositories; four U.S. Defense Mapping Agency depositories; and one a U.S. National Ocean Survey depository. Most of the respondents reporting depository status were selective depositories, usually for Nevada only. The two exceptions were UNR Government Publications Department which is a full DMA depository and UNR Mines which is a full depository for U.S.G.S. topographic and geologic mapping.

The responses to the portion of question eight, concerning how the collections were arranged, were quite varied. Arrangements most frequently mentioned were "own system", by four participants; "section, township, and range", by three participants; "subject" by three, and "geographic area" by two. Other arrangements reported included by numbered quadrangles, by date for pre-1900 maps, by subject area, alphabetically by quadrangle, by accession numbers, by alphabetical order, by anthropological dig-sites, by photo index sheet, by agency, by period/type, by mining districts, by area numbers, by air photo year and project, by air photo flight-line and number, and by IWCFIYCUI (if we can find it you can use it). There were problems with the responses to the portion of question eight, concerning classification. Because few, if any, collections in the State are arranged according to a classification scheme, apparently this part of the question was confusing; I suspect that some of the respondents had their book collections in mind when answering this question. Question eight should be revised to read: "classification or arrangement of map/air photo collection". Twelve collections were reported to be either fully or partially cataloged.

If any of you are contemplating a similar survey, I wish to forewarn you that you are likely to find yourself deluged with map reference questions when the questionnaires are first circulated and again at the time the directory or results are published or circulated. I found myself in the tenuous position of suddenly becoming the State's map and air photo authority. All in all, conducting the survey and compiling the directory was an excellent learning experience. The directory is a useful reference tool, and the information gained from the survey should be valuable in the formulation of the new map room's collection development policy.

NEVADA MAP AND AERIAL PHOTOGRAPH
RESOURCES DIRECTORY
QUESTIONNAIRE

100

1. Name of institution or collector _____
Street address _____
City _____ Zip Code _____
Telephone _____ Hours _____

2. Name and title of person in charge of map/aerial photograph collection:

3. Geographic areas covered by collection (check below; indicate areas of special emphasis by an asterisk)

Nevada _____ (check below counties represented; use asterisk for special emphasis)

Carson City _____	Eureka _____	Nye _____
Churchill _____	Humboldt _____	Pershing _____
Clark _____	Lander _____	Storey _____
Douglas _____	Lincoln _____	Washoe _____
Elko _____	Lyon _____	White Pine _____
Esmeralda _____	Mineral _____	

States adjacent to Nevada (indicate areas of special emphasis with an asterisk)

Arizona _____ California _____ Idaho _____ Oregon _____ Utah _____

Other western states represented (asterisk for special emphasis)

Colorado _____ Montana _____ New Mexico _____ Washington _____
Wyoming _____

United States (in general) _____ (list below areas of special emphasis)

International Coverage _____ (list continents and/countries of special emphasis)

4. Subjects covered by collection (check below; use asterisk for subjects of special emphasis)

agricultural _____ climatic _____ economic _____ geologic _____
historic _____ political _____ socio-cultural _____ soils _____
topographic _____ water _____
other (describe) _____

5. Chronological coverage (per-cent of holdings)

Pre - 1800 _____ 1800 - 1899 _____ 1900 to present _____

(over)

6. Depository for:
- | | | | |
|---------------------------------------|-------|------------------------|-------|
| Defense Mapping Agency (aero center) | _____ | National Ocean Survey | _____ |
| Defense Mapping Agency (hydro center) | _____ | U.S. Geological Survey | _____ |
| Defense Mapping Agency (topo center) | _____ | (geologic) | _____ |
| Other (describe) | _____ | U.S. Geological Survey | _____ |
| | | (topo) | _____ |
7. Size of collection - approximate number of map sheets _____
 atlases _____ globes _____ aerial photographs _____
 wall maps _____ gazetteers _____ other (specify) _____
8. Classification or arrangement used: Dewey _____ Library of Congress _____
 Defense Mapping Agency (Army Map Service) _____ Other (describe) _____
9. Is your map/aerial photograph collection cataloged? _____ In what form
 is the catalog?
 card _____ book _____ Other (specify) _____
10. Publications issued (i.e. map acquisitions list)
11. Persons eligible to use collection: students _____ faculty _____
 employees _____ public _____ other (specify) _____
 Persons eligible for borrowing privileges: students _____ faculty _____
 employees _____ public _____ other (specify) _____
12. Do you lend on interlibrary loan? Yes _____ No _____
13. Will you permit copies to be made of maps in your collection? Yes _____ No _____
 What type of duplication facilities are available? _____
14. Do you have any maps/aerial photographs available for sale or free distri-
 bution (describe)?
15. Please list name, address and subject coverage of any other map/aerial
 photograph collections in your area, which might be otherwise over-
 looked in this survey:
16. Do you want a copy of the results of this survey? Yes _____ No _____

Please attach page for additional comments about your collection.



SOME IMPORTANT CARTOGRAPHIC AGENCIES
AND
AVAILABLE MAPS OF MEXICO



Prepared by¹

J. Granville Jensen
Professor of Geography
Oregon State University

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¹ Presented to the Spring Meeting of WAML at Corvallis, Oregon, September 24, 1976. This listing is limited to agencies currently publishing original basic maps that are available for acquisition by libraires, and prices indicated are as of June 1976. Based on Dr. Jensen's personal visits to Mexico.

(COMMISSION FOR STUDIES OF THE NATIONAL TERRITORY)

Comision de Estudios del Territorio Nacional (CETENAL)
 Avenida San Abad 124
 Mexico, 8, D.F. Mexico

The principal cartographic agency in Mexico, CETENAL, was created in 1968 as a dependency of the Office of the President of Mexico with the mandate to accomplish modern detailed mapping of the entire nation and its resources. As the agency developed its enormous task, the national territory was divided into 2,404 map units each 15 minutes of longitude by 20 minutes of latitude. For each unit original field studies by teams of specialists combined with sophisticated photogrammetry and photointerpretation are producing five basic maps. In addition the agency is a major source of aerial photos and a "knowledge bank" of resource information available to researchers.

1. MAP AND AERIAL PHOTO INDEX WITH PRICES IS AVAILABLE ON REQUEST.
 (AVANCE CARTOGRAFICO)
2. THE BASIC MAP SERIES: \$1.00 per sheet
 All maps are at scale of 1/50,000 on Universal Transverse Mercator Projection with 5 kilometer rectangular grid system. Sheet size 25 by 34½ inches.
Topography--4 colors, 10 meter contours, hydrography, vegetation and cultural features.
Geology --Multi-color map of surface geology. Fault lines, verification points, etc. are shown.
Soils --Multi-color map using FAO world soils map system. Sample site locations are shown.
Actual Land Use--Multi-color map showing considerable detail with well selected color grouping.
Potential Land Use--Eight colors using an ingenious classification system.
3. THE CLIMATE MAPS: \$1.00 per sheet
 Forty-five sheets 22 by 34 inches, scale 1/500,000 produced in cooperation with the Institute of Geography, Nacional University of Mexico. Multi-color maps showing a modified Koppen system. Explanatory text and climograms printed on reverse.
4. CITY MAPS SERIES:
 Map series being developed for the major cities. Scale 1/5,000 usually on 2 or more sheets. Available cities indicated on index map. Aerial photomaps are available for smaller towns.
5. AERIAL PHOTOS variable (see map index)
 Available for most of Mexico in black and white or color. Contact prints and enlargements available. Available coverage and index shown on the Avance Cartografico.

(AUTOMOBILE CLUB OF MEXICO)

Asociacion Mexicana Automovilistica (AMA)
 Apartado Postal 24-486
 Avenida Chapultepec 276
 Mexico, 7, D.F. Mexico

The Automobile Club of Mexico corresponds to the American Automobile Association. Its annual publication with maps, the "GUIA" is available to the public.

1. MEXICAN AUTOMOBILE CLUB ANNUAL GUIDE \$5.00
 (AMA GUIA)

The "Guide" published in a 4 by 9 inch format has 47 maps folded into the back, one for each state plus major cities. Major highways are clearly shown. The 360 pages of text provide information on places of special interest, fiesta dates, lodging and restaurants with quality and price indications.

(COMMISSION FOR MINIMUM SALARIES)

Comision de los Salarios Minimos
 Paseo de la Reforma 136
 Mexico, D.F. Mexico

Responsible for economic studies basic to establishment of minimum salaries for economic zones of the nation.

1. MAP OF MEXICO SHOWING 111 ECONOMIC ZONES

Sheet size 23 by 37 inches, showing the 111 economic zones associated with the minimum salaries. A 69 page booklet gives the official salaries.

(DIVISION OF AGROLOGY)

Direccion de Agrologia
 Secretaria de Recursos Hidraulicos
 Plaza de la Republic 31
 Mexico, D.F. Mexico

A division of the national water resources secretariate responsible for research and basic cartography with reference to soils and vegetation. Two significant maps are currently available.

1. MAP OF VEGETATION TYPES OF MEXICO, 1971.
 (Tipos de Vegetation de la Republica Mexicana)

Multi-color map, scale 1/2,000,000, sheet size 43 by 61 inches. Distribution of primary vegetation communities divided into 25 types is shown. An excellent 59 page supplement describing the research methodology, the vegetation types, bibliography and a glossary complements the map. Author: Agronomist Gaudencio Flores Mata, et al.

2. SOILS MAP OF MEXICO, 1972.

Black and white map, scale 1/2,000,000 corresponding to the vegetation map. Twenty-three soil groups are shown according to the FAO World Soils Classification 1970, with subdivisions coded. A 31 page supplement includes a bibliography and observations on soil use characteristics. Author: Agronomist Gaudencio Flores Mata, et al.

(DIVISION OF FOREST INVENTORY)

Direccion General del Inventario Nacional Forestal
Avenida Progreso 5
Coyacan, 21, D.F. Mexico

A division of the Sub-Secretariate for Forestry, the agency is responsible for the important task of mapping, inventory, and evaluation of Mexico's forest resources.

1. STATE MAPS OF FOREST TYPES prices vary \$4.00-\$6.00

Maps of forest types by states are published in colors at small scale in the detailed State Forest Inventory Reports. Inventories are generally 9 by 11 inch format with maps folded into back, usually a political map followed by general vegetation and forest types maps. Text in Spanish only. List of reports available on request.

2. FOREST TYPE MAPS \$1.60 each

Over 600 large scale detailed forest type maps are available on request by means of black and white copy. Index not published, therefore, requests must specify the area for which maps are desired.

Over 400 maps on polyconic projection, 1/50,000 scale, sheet size about 20 by 39 inches, covers the forest areas of Baja California, Chihuahua, Sonora, Durango, Guerrero, Jalisco, Mayarit, Sinaloa, Zacatacas, and Quintana Roo.

Seventy-four maps, scale 1/100,000, 10 by 20 inches, covers forest areas of Aguascaliente, Colima, and coastal areas of Guerrero and Jalisco.

One hundred and nineteen map sheets on transverse Mercator projection, scale 1/100,000 (40 minutes longitude by 30 minutes latitude each sheet) cover forest areas of Chiapas, Guanajuato, Guerrero, Mexico, Morelos, Pueblo, Queretaro, Quintana Roo, Tlaxcala, and Hidalgo.

Forty-two sheets on transverse Mercator, scale 1/50,000 (20 minutes longitude by 15 minutes latitude each sheet) cover forest areas of San Luis Potosi.

(DIVISION OF INFORMATION WATER RESOURCES SECRETARIATE)

Direccion de Informacion y Divulgacion
Secretaria de Recursos Hidraulicos
Reforma 77, 8 piso
Mexico, D.F. Mexico

Responsible in cooperation with technical departments for editing and distribution of various folders and reports including the quarterly journal, RECURSOS HIDRAULICOS, the BOLETIN INFORMATIVO and the ANNUAL REPORT OF THE SECRETARY. One useful map available for distribution.

1. IRRIGATION PROJECTS OF MEXICO, 1975.

Maps shows 167 major reservoirs keyed to table giving official name and capacity. Irrigation districts are also shown and keyed to a table giving name and hectares of land involved. Map sheet 18½ by 27½ inches.

(DIVISION OF GEOGRAPHY AND METEOROLOGY)

Dirección General de Geografía y Meteorología
Avenida Observatorio 192
Tacubaya, 18, D.F. Mexico

The Division of Geography and Meteorology within the Secretary of Agricultural has been a major cartographic agency, but currently basic cartography has terminated. Many maps are still available, but most were compiled between 1945-1960. The Division maintains a map library especially useful for historical research. The Division does, however, continue to be the basic source of meteorological data and publishes the daily weather system map.

1. CATALOGUE OF PUBLICATIONS AVAILABLE ON REQUEST.
2. MEXICO WALL MAPS \$12.00
Four sheets, scale 1/2,000,000 available in two forms:
Political showing states in colors, published in 1970;
Physical map in ten color-shades.
3. METEOROLOGICAL BULLETIN annual subscription \$30.00
Currently the most significant contribution of the Division is the monthly annual meteorology data including the daily weather system map.

(INSTITUTE OF GEOGRAPHY, NATIONAL UNIVERSITY OF MEXICO)

Instituto de Geografía
Universidad Nacional Autónoma de México
Ciudad Universitaria
México, 20, D.F. México

One of several research institutes associated with the national university of México. Currently under the direction of Doctor Teresa Gutiérrez de McGregor, the Institute of Geography is carrying on an active program of research and publishing.

1. A CATALOG OF PUBLICATIONS IS AVAILABLE ON REQUEST SHOWING PRICES AND DESCRIPTIONS IN SPANISH AND ENGLISH.
2. SOME RECENT MAPS OF SPECIAL INTEREST ARE:
 - Hypsometric map of Mexico \$2.85
Single sheet 38 by 62 inches, scale 1/2,000,000, Lambert conformal projection. Elevations shown with six color scale. Rivers in blue, cities in red.
 - Base map of Mexico \$1.95
Same as the hypsometric map, but without the six color over-print. Useful for highlighting the river systems of Mexico.
 - Plan of the University of Mexico \$1.45
A six color map, scale 1/4,000, sheet size 25 by 34 inches. Shows buildings and land use areas, with index.
 - City map series of Michoacan \$1.45 each
Plans of selected cities of Michoacan State, printed in colors, scales vary, sheets 32 by 25 inches, with historical resume in Spanish.

(Michoacan)	Apatzingan, 1974	Los Reyes de Salgado, 1974
<i>continued</i>	Ario de Rozales, 1974	Sahuayo, 1973
<i>from pre-</i>	Jiquilpan, 1973	Tacambaro, 1974
<i>vious</i>	Morelia, 1972	Uruapan, 1972
<i>page</i>	Patzcuaro, 1973	Samora, 1973
	Puruandiro, 1973	Zitacuaro, 1972
	La Piedad, 1973	

3. THE BULLETIN

The Institute edits and publishes a BOLETIN containing research papers and associated maps, worthy of acquisition by libraries.

Recent issues, 1970, 1973, 1974. \$4.80 each

(INSTITUTE OF GEOLOGY, NATIONAL UNIVERSITY OF MEXICO)

Instituto de Geologia
Ciudad Universitaria
Apdo, Postal 70-296
Mexico, 20, D.F. Mexico

One of the several research institutes associated with the National University. The Institute of Geology publishes a series of Bulletins and annals as well as geologic maps reporting research by staff scholars.

1. LIST OF PUBLICATIONS AND MAPS AVAILABLE ON REQUEST.
2. GEOLOGIC MAP OF MEXICO, 1976 edition. \$20.00

Multi-color map, scale 1/2,000,000.

3. STATE GEOLOGIC MAP SERIES \$10.00 each

Twenty-six maps available, scale 1/500,000, in black and white.
The following are available:

Aguascalientes y Jalisco	Michoacan
Baja California Norte	Morelos
Baja California Sur	Nayarit
Campeche, Quintana Roo y Yucatan	Nuevo Leon
Coahuila	Oaxaca
Colima	Puebla y Tlaxcala
Chiapas	Queretaro
Chihuahua	San Luis Potosi
D.F. y Edo. de Mexico	Sinaloa
Durango	Sonora
Guanajuato	Tamaulipas
Guerrero	Veracruz
Hidalgo	Zacatecas

4. QUADRANGLE GEOLOGICAL MAPS \$3.50

Six maps available, scale 1/100,000.

Pedricenas, 13R-1 (4), 1965 (copy)
Cuernavaca, 14Q-h (8), 1966
Viesca, 13R-1 (5), 1967
Cuencame, 13R-1 (7), 1968
El Salado, 14R-J (11), 1968
Mexico, 14Q-h (5), 1968 (copy)

LIBRARIA PATRIA
Avenida 5 de Mayo 43
Mexico, 1, D.F. Mexico

Maps published under the name "Patria" are compiled by a major cartographic company under the direction of engineer Hector Esparza Torres. In addition to maps of cities and states, the company also does illustration work for text books. Among maps available are the following:

1. MEXICO CITY MAP \$2.40

A city street map and index published in 5 by 9 inch format. Twenty-one pages index the many districts of Greater Mexico City, 60 pages index streets and plazas. The map is a single sheet, 25 x 36 inches, folded into the back of the guide. The map index system is unusual in having a nine square subdivision within the usual square index system.

2. STATE MAP SERIES \$1.15 each

A single sheet map is available for each state of Mexico. Map sizes and scales vary, sheets from about 18 by 26 inches to 21 by 33 inches. Place names are clearly printed in brown, road systems are in red and black, municipio divisions are indicated. A brief text provides a historical-descriptive analysis of the state in Spanish--some maps also carry an English translation as well. The reverse side provides detail maps of major cities showing major buildings and points of interest.

3. MEXICO MAP \$1.15

The "Patria" series also includes a map of Mexico on a single sheet, 21 by 34 inches, scale 1/4,000,000. Principal highways are clearly shown in red and major cities in black. The reverse side provides an enlargement of the central region, Mexico city street map, and enlargements centered on Guadalajara, Oaxaca and Merida.

(MEXICAN NATIONAL PETROLEUM CORPORATION)

Petroleos Mexicanos
Gerencia de Relaciones Publicas
Ave. Marina Nacional 329
Mexico 17, D.F. Mexico

Petroleos Mexicanos is responsible for the entire petroleum industry of Mexico. Cartography is widespread within the agency, however, almost all is for office use only and not published. Useful maps have recently been included in the Annual Report and are therefore noted.

1. ANNUAL REPORT (MEMORIA DE LABORES)

The 148 page report for 1975 contains considerable data along with review of the year's work--in Spanish. Folded into the back of the 6 x 9 inch format there are five maps of Mexico, 12 by 17 inches in size, showing the following: oil pipelines, gas pipelines, product pipelines, refinery centers, petrochemical centers, and storage centers.

(NATIONAL ELECTRICITY COMMISSION)

Comision Federal de Electricidad
Oficina de Informes y Estadisticas
Rodano 14, 4 piso
Mexico, 5 , D.F. Mexico

Responsible for compilation of basic data and information concerning the nation's electricity industry. Various booklets and folders have been published including some maps.

1. MAP OF ELECTRIC GENERATION PLANTS

Map sheet is 22 by 34 inches, showing the 11 operating divisions, major transmission lines and plants differentiated between thermal and hydro.

2. BOOKLET, "PLANTAS GENERADORES Y LOCALIDADES CON SERVICIO"

Eighty page booklet lists all plants with capacity and type of generation. Also provides data on electrification of the nation by population and state.

(ROJI GUIDE)

Guia Roji
Avenida General Jose Moran 29
Mexico, 18, D.F. Mexico

A private company well known for its Mexico City street map and directory. Senor Roji published the first edition in 1928, hence the name Guia Roji. The 1976 edition is the 44th.

1. CIUDAD DE MEXICO (GUIA ROJI) \$2.50

Mexico City street maps and directory, 4 by 10 inch format, 180 pages of which 167 serve as index to streets and plazas of Greater Mexico City. Additional pages give routes of the Metro System and other public transit lines.

Twelve maps, plates 10 by 19 inches, fold into the back. Districts and streets are clearly shown. Index system overprinted.

2. MEXICO CITY STREET MAP \$1.60

Separate single sheet street map, 33 by 47 inches, locating index system overprinted, reverse side lists streets. Map also shows postal zones, Metro lines and stations.

(SECRETARY OF THE NAVY)

Direccion General de Oceanografia y Senalamiento Maritimo
Secretaria de Marina
Medellin 10
Mexico, 7, D.F. Mexico

Responsible for the national oceanography program including evaluation of ocean resources, preparation of hydrographic maps, port charts and comprehensive studies of ports and their economic base.

1. LIST OF AVAILABLE MAPS AND PORT CHARTS AVAILABLE ON REQUEST.
2. MAPS ARE PUBLISHED WITH VARIOUS SCALES \$2.60 each

The following are available:

O.S.M.	500	Tampico a Progreso	1:1,023,400	1974
O.S.M.	502	Tampico a Punta del Morro	1:250,000	1974
O.S.M.	514	Coatzacoalcos-Pajaritos	1:12,500	1972
O.S.M.	516	Campeche	1:20,000	1974
O.S.M.	519	Progreso-Yukalpeten	1:12,500	1975
O.S.M.	529	Portulano de Yukalpeten	1:5,000	1975
O.S.M.	600	San Diego a San Quintin	1:290,000	1974
O.S.M.	601	Cabo San Quintin a Punta Eugena	1:511,500	1975
O.S.M.	602	Punta Eugenia a Cabo San Lazaro	1:525,575	1975
O.S.M.	603	Golfo de California-Parte Norte	1:639,400	1975
O.S.M.	604	Cabo San Lazaro a Cabo San Lucas y Parte Sur del Golfo de Calif.	1:667,680	1975
O.S.M.	605	Cabo San Lucas a Manzanillo e Islas Revillagigedo	1:682,240	1975
O.S.M.	606	Acapulco A Manzanillo	1:698,700	1975
O.S.M.	607	Punta Maldonado a Puerto Madero	1:707,300	1975
O.S.M.	610	Ensenada Mazatlan incluyendo Golfo de California	1:1,601,680	1974
O.S.M.	613	San Carlos, Son	1:10,000	1974
O.S.M.	615	Mazatlan y Proximidades	1:12,500	1975
O.S.M.	616	Bahias de Manzanillo y Santiago	1:25,000	1973
O.S.M.	623	Guaymas y Proximidades	1:25,000	1974
O.S.M.	625	Portulano de Mazatlan	1:7,500	1975
O.S.M.	626	Portulano de Manzanillo	1:5,000	1973
O.S.M.	630	Bahia de Todos Santos	1:35,000	1975
O.S.M.	633	Portulano de Guaymas	1:15,000	1974
O.S.M.	640	Portulano de Ensenada	1:10,000	1975
O.S.M.	657	Salina Cruz y Proximidades	1:12,500	1975
O.S.M.	667	Portulano de Salina Cruz	1:3,500	1975
O.S.M.	701	Canal de Yucatan y Proximidades	1:906,530	1974
O.S.M.	646	Puerto Lazaro Cardenas	1:20,000	1976
O.S.M.	655	Puerto Vallarta	1:15,000	1976

(SECRETARY OF PUBLIC WORKS)

Secretaria de Obras Publicas
 Direccion General de Programacion
 Oficina de Cartografia
 Xola 1755
 Mexico, D.F. Mexico

Responsible for maintaining and updating state highway maps. Publish moderate scale road map for each state and an excellent national scale tourist map of highways.

1. TOURIST ROAD MAP 1975 no charge

Scale about 55 miles to the inch, 34 by 26 inches. Principal highways shown in colors with distances between major points. Index to cities, inset on larger scale shows area from Morelia to Vera Cruz centered on Mexico City. Reverse side has detailed maps of Mexico City, Monterrey, Acapulco, Guadalajara, and other tourist information.

[continued on p. 114]

RECENT ACQUISITION OF CETENAL MAPS* [1:50,000 Topographic series]

E14 A13	Cuitzeo	Michoacan
E14 A14	Zinapécuaro	Michoacan y Guanajuato
E14 A15	Maravatío	Michoacan y Guanajuato
E14 A24	Tzitzio	Michoacan
E14 A25	Ciudad Hidalgo	Michoacan
E14 A26	Angangueo	Mexico y Michoacan
E14 A29	Cuautitlan	Mexico-Distrito Federal
E14 A46	Valle de Bravo	Michoacan y Mexico
E14 A65	Palmar Chico	Michoacan Guerrero y Mexico
E14 A79	Tilzapotla	Guerrero-Morelos-Puebla
E14 B31	Chalco	Mexico y Distrito Federal
E14 B41	Amecameca	Mexico, Distrito Federal y Morelos
G12 B12	Guasimas	Sonora
G12 B33	Pueblo Yaqui	Sonora
G12 B34	Ciudad Obregon	Sonora
G12 B44	Villa Juarez	Sonora
G12 B45	Navojoa	Sonora
G13 A17	Santa Gertrudis	Chihuahua
G13 A18	Naica	Chihuahua
G13 A19	La Cruz	Chihuahua
G13 A27	La Jabonera	Chihuahua
G13 A28	La Boquilla del Conchos	Chihuahua
G13 A29	Ciudad Camargo	Chihuahua
G13 A37	Valle de Zaragoza	Chihuahua
G13 A38	El Nopal	Chihuahua
G13 A29	San Antonio del Potrero	Chihuahua
G13 A48	El Dorado	Chihuahua
G13 A49	Villa Lopez	Chihuahua
G13 A57	Santa Barbara	Chihuahua y Durango
G13 A58	Valle de Allende	Chihuahua
G13 A59	Pueblito de Allende	Chihuahua
G13 A67	La Providencia	Durango y Chihuahua

* Acquired in January 1977 at Map Room, University of California, Santa Cruz, via "good offices" and personal visit to CETENAL in Mexico City by Paul Martinez-Perry, Map Librarian, San Jose State University.

G13 A77	Matalotes	Durango
G13 A78	Villa Ocampo	Durango y Chihuahua
G13 A89	Revolucion	Durango
G13 B11	Las Arenosas	Chihuahua
G13 B13	Honorato de Abajo	Chihuahua
G13 B21	La Enramada	Chihuahua
G13 B51	San Jose Las Adargas	Chihuahua
G13 B61	Laguna la Estacada	Chihuahua y Durango
G13 D12	Santo Domingo	Durango
G13 D13	La Cadena	Durango
G13 D14	Mapimi	Durango
G13 D15	Bermejillo	Durango
G13 D24	Vicente Suarez	Durango
G13 D25	Torreón	Coahuila y Durango
G13 D34	La Loma	Durango
G13 D43	Nazas	Durango
G13 D44	Velardeña	Durango
G13 D45	Jimulco	Durango y Coahuila
G13 D53	Peñon Blanco	Durango
G13 D54	Cuencame	Durango
G13 D55	La Lagunilla	Durango
G13 D63	Ignacio Ramirez	Durango
G13 D64	Jesus Agustin Castro	Durango
G13 D65	Doce de Diciembre	Durango
G13 D72	Carlos Real	Durango
G13 D73	Guadalupe Victoria	Durango
G13 D74	Cuauhtemoc	Durango
G13 D75	Juan Aldama	Zacatecas y Durango
D13 D83	Tuitan	Durango
G13 D84	Ignacio Lopez Rayon	Durango Zacatecas
G13 D85	Ramon Corona	Zacatecas y Durango
G13 D86	La Laguna	Zacatecas
G14 A15	El Azulejo	Coahuila
G14 A16	San Enrique	Coahuila y Nuevo Leon
G14 A24	Juarez	Coahuila

G14 A25	Don Martin	Coahuila y Nuevo Leon
G14 A26	San Jose	Nuevo Leon y Coahuila
G14 A35	Salinillas	Nuevo Leon y Coahuila
G14 A36	Camaron	Nuevo Leon
G14 A37	Estacion Jarita	Nuevo Leon y Tamaulipas
G14 A46	Ciudad Anahuac	Nuevo Leon
G14 A47	Nuevo Camaron	Nuevo Leon y Tamaulipas
H11 B22	Rodolfo Sanchez Taboada	Baja California
H11 B74	Venustiano Carranza	Baja California
H12 B43	Jose Maria Morelos	Sonora
H12 B73	Arizpe	Sonora
H12 C15	Puerto Libertad	Sonora
H12 C78	Tastiota	Sonora
H12 C89	San Alfonso	Sonora
H12 D11	La Poza	Sonora
H12 D12	Opodepe	Sonora
H12 D13	Aconchi	Sonora
H12 D21	Carbo	Sonora
H12 D23	Baviacora	Sonora
H12 D31	San Miguel de Horcasitas	Sonora
D12 D32	Ures	Sonora
H12 D33	Puerta del Sol	Sonora
H12 D34	San Pedro de la Cueva	Sonora
D12 D41	Hermosillo	Sonora
H12 D42	Santa Rosalia	Sonora
H12 D43	Mazatan	Sonora
H12 D52	La Colorada	Sonora
H12 D53	Cobachi	Sonora
H12 D55	Bacanora	Sonora
H12 D61	Represito de Lujan	Sonora
H12 D62	San Jose de Pimas	Sonora
H12 D63	Buenvista	Sonora
H12 D71	Ortiz	Sonora
H12 D72	La Misa	Sonora
H12 D73	Agua Fria	Sonora
H12 D81	Jose Maria Morelos y Pavon	Sonora

H12 D82	Francisco Marquez	Sonora
H12 D83	Agua Caliente	Sonora
H13 C67	Aguiles Serdan	Chihuahua
H13 C68	San Diego de Alcala	Chihuahua
H13 C69	El Jateado	Chihuahua
H13 C77	Horcasitas	Chihuahua
H13 C87	San Pedro de Conchos	Chihuahua
H13 C88	Ciudad Delicias	Chihuahua
H13 C89	Saucillo	Chihuahua
H13 D51	Chilicote	Chihuahua
H13 D52	Maijoma	Chihuahua
H13 D62	La Morita	Chihuahua
H13 D63	Los Alamos	Chihuahua
H13 D64	Sierra el Pando	Chihuahua
H13 D71	La Coyota	Chihuahua
H13 D72	La Perla	Chihuahua
H13 D73	San Miguel	Chihuahua
H13 D74	El Pozo de Villa	Chihuahua y Coahuila
H13 D82	Mesteñas	Chihuahua
H13 D84	Hercules	Chihuahua y Coahuila

Continued from "Some Important Cartographic Agencies and Available Maps of Mexico", by J. Granville Jensen

[continuation of p. 110]

2. STATE MAP SERIES

(Secretaria de Obras Publicas)

Scales vary, each sheet 23 by 33 inches. Maps indicate 8 categories of roads, airports, and cities in 9 categories of size. Black and white relief shading as background. Available to libraries on request.

ON THE STATE OF AMERICAN ALMANAC MAPS

Harold M. Otness

Southern Oregon State College Library

Almanac maps are among the most frequently consulted of all maps simply because almanacs are found almost everywhere. In many homes and offices they, along with dictionaries, are the only reference books available.

Almanacs are great sources of information. On a facts-per-dollar basis, they are undoubtedly the best value in reference books. In fact they are so good that criticizing them is much like trying to find fault with the Ten Commandments, of which Mencken said we should be grateful that there are only ten. But the fact is that almanac maps leave much to be desired. Consider the following: the current editions of World Almanac and Information Please do not have world maps and the Associated Press Almanac, now published by Hammond, shows not a single mile of railroad or highway. These three major American almanacs are without climatic and vegetation maps, city plans of reasonable usefulness, and only one of them even attempts to show the distribution of such critical resources as petroleum, coal, or anything at all to do with food.

An investigation of the maps that are found in almanacs suggest that they are too frequently not designed for almanac use but rather taken from other sources and reduced in size to fit the smaller format. As a consequence, some of the maps are difficult to read due to tiny and often cluttered print.

This paper is a look at the maps found in the popular American almanacs of 1976, criticizing them keeping in mind the size and cost limitations that are essential to the almanac concept (after all, almanacs are not atlases), and making a few suggestions for improving them.

WORLD ALMANAC

The World Almanac and Book of Facts is the best known and most popular of the American almanacs. It began in 1868 but did not include maps until a few years ago. Today it uses Rand McNally maps. The current edition has eight full-page color maps depicting continents plus maps of the United States, Canada, and China. Omitted entirely are maps of Australia and the South Pacific, Mexico, and Antarctica. The world map was dropped just this year. The maps are essentially political. They show no relief or surface

transportation (however the route of the Alaska Pipeline has been dotted in), the projections are not specified, and the lettering is heavy and unattractive. A few inserts emphasize important areas but they are so small as to be virtually useless (the Middle East is "enlarged" to an area 1-1/2" x 1-3/4"--hardly enough detail to follow the daily news). The best feature of these maps are their placename indexes on the margin of each map. No other almanac has these very useful locational tools.

The current edition acknowledges the Bicentennial by including a special section of ten pages of color maps depicting battles of the Revolution, plus a population density map for 1775 and a map of the United States showing the date of the earliest exploration and settlement of each state. These maps are from Early American Wars and Institutions (West Point, 1974) and are compiled by Edward J. Krasnoborski. They are simple but effective. They represent a breakthrough in thematic mapping in almanacs.

These two map sections comprise the total maps in World Almanac. There are no state maps or nation maps, excepting the three mentioned. While World Almanac is the standard against which other almanacs are measured, in terms of general map coverage it is the poorest of the three.

INFORMATION PLEASE ALMANAC

Information Please, a latecomer, is a strong challenger to World Almanac. It began in 1947 and by the late 1950's it had introduced maps to American almanacs. The current edition has twenty-five pages of maps "prepared by Vaughn Gray." They are simple but very effective black and white maps, with hand lettering, stippling, and some relief sketched in. Global projections are very well used. One map centers on the North Pole, another on the Mid-Pacific, and still another on the North Atlantic. The Western Europe map centers on Paris and has concentric rings at 200 mile intervals. The reader can quickly see that London is closer to Paris than is Marseille.

There is a full-page map of Berlin and its transportation lifelines. Several maps are devoted to the Middle East including a quarter-page plan of Jerusalem. Some of the maps show oilfields and pipeline routes. The South America map has symbols representing petroleum, iron, and cattle, and the Australia map is marked for minerals. While these symbols do not reflect quantity or value, they at least indicate where these resources are found.

Information Please maps emphasize military data. They show NATO and CENTRO alignments and point out major military installations. There are special maps showing the sensitive USSR-China border and the India-China border.

For following current events, the Information Please maps are the best. While the maps are simple, the data is very well selected and

presented for easy comprehension. Cartographically speaking, this almanac is the most interesting. It does, however, fall short in its coverage of the United States.

Two other map features should be noted. Information Please has a listing of oil companies supplying road maps. This is followed by a listing of foreign government tourist offices in the United States-- another good source for free maps. This almanac also cites maps in its general index.

ASSOCIATED PRESS ALMANAC

This work is the successor to the New York Times Almanac. Since 1975 it has been published under the Hammond imprint so it is no surprise that it uses Hammond maps. It has twelve pages of color maps of the continents. These are the familiar Hammond maps that show up in numerous publications. The national boundaries are colored, land surfaces are white, and oceans are a light blue. The lettering is very small and there is no relief or surface transportation shown. Locational insets are used. One of the world maps shows time zones. Some maps cover two pages causing the middle area to disappear into the deep gutter. Thus on the North America map almost everything on a line from San Francisco to Washington, D. C. is lost and the nation appears to be vertically pinched.

In addition to the colored general maps, there are black and white maps of each U. S. state, the Canadian provinces, Germany, the European portion of the Soviet Union, Japan, China, and the United Kingdom. The state maps show each county and county seat. Deserts, swamps, Indian reservations, and national parks are shown and there are locational insets and insets magnifying urban areas. These state maps are quite good. The nation maps, however, were apparently drafted to be used as a larger format. They carry so much lettering that reduction has made them very cluttered and difficult to read. On the Germany map, for instance, it is virtually impossible to determine the border between East Germany and West Germany.

All the black and white maps appear adjacent to descriptions of the states and nations which is convenient for the reader.

The Associated Press has the most maps of the three major American almanacs and its coverage of the United States and Canada is the most thorough. However, the quality of the maps could be improved and some thematic mapping would certainly enhance the almanac's use. As a minor point, the paper used for all but the color maps is a very cheap and dirty-looking newsprint. Better paper alone would improve the readability and attractiveness of the maps.

THE PEOPLE'S ALMANAC

This work represents a new concept in almanacs. In the words of its

compilers David Wallenchinsky and Irving Wallace, it "...attempts to turn each fact around and show the world its backside." Its nearly 1,500 pages brim with "...the little known and the curious..." that defies simple description.

It only has a few maps, but they are most interesting. Each occupies a full page and is in color. There is a conventional world map on the Mercator projection followed by one based on the Peters projection. The latter is named after its creator, a German historian. This orthogonal projection, claims Peters, "...is absolutely accurate on areas, and fifty per cent more accurate on land shapes than Mercator." It does, however, substitute distortions of its own.

Another interesting map is G. Etzel Percy's "38 State Nation" which draws state boundaries based on physical and cultural considerations rather than historical accident. They generally run through areas of low population. The state names are based on names of discoverers and Indian tribes. The three West Coast states are Cascade, El Dorado, and San Gabriel.

Stanley D. Brunn's "16 State Nation" map is also included. Its basis is political expediency and its states bear such names as Pacifica, Angelina, Yankee, Empire, and Tropicana. Alaska and Hawaii are curiously omitted.

There are two fantasy maps. One shows the course of the "Truelove River" which winds its way through Misery Marsh, Tenderness Crossing, and Opposition Bend. The "Map of Matrimony" is a marine chart "...shewing to timid lovers the orbit of affection to the true haven of conjugal happiness." Both are marked "copyright" but no further information is provided.

There is a series of five continent maps which have, instead of city names, the names of multinational companies headquartered there. Thus San Francisco appears as Bank America Corporation, Oakland is Safeway Stores, Detroit is General Motors, London is Unilever, and Tokyo is Nippon Steel. However most nations are not assigned a single corporate or city name whatsoever so these maps suffer from the failure to carry out an interesting idea.

The only other map in the almanac depicts the Apollo landing sites on the moon.

The People's Almanac is a good source for unusual maps which are not easily found elsewhere, and map librarians would do well to keep this work in mind. The People's Almanac also has a seven page article "Sightseeing in Your Neighborhood" which encourages readers to walk around their community observing and speaking to people with the purpose of compiling a neighborhood sketch map. In addition it lists two map dealers under "Attic and Junkyard:" Bartfield and Cape Cod Books. If you find rare maps, these firms will buy them from you.

CONCLUSION

While it is tempting to deplore the present state of almanac maps, it is more constructive to praise their good features and offer suggestions for improvement. Each almanac has some good, and some promising, map features. Almanac maps must necessarily be of very small scale to fit the almanac format. This means that world and continent maps will not be able to portray much detail, and they shouldn't try to. They should depict the nations of the world, their capitals and major cities, and only the most important of natural features. Larger scale maps should show individual states and major nations of the world in more detail. These maps should have placename indexes accompanying them. All maps should show important transportation networks. A handful of cities of the world such as Berlin, Beirut, Jerusalem, and areas such as the Panama Canal Zone (the list changes from time to time), are in the news often enough to deserve full-page map treatment.

But what almanacs most need is some thematic mapping of the world's energy and food resources. These are highly significant matters to the majority of the world's population, and their importance will increase in the future. These maps need not be elaborate but they should use proportional symbolization to show where the resources are located and where they are consumed. Other data that could be shown in map form include the population distribution of the world, per capita income by nation for the world, and life expectancy by nation for the world. These are important matters.

It is not realistic to expect almanacs to include all the maps found in a good general atlas. The small page format and the high cost of map production and printing make this unreasonable. But one should expect basic general map coverage in an almanac. Information Please has shown that simple black and white maps can be very effective, World Almanac has shown, through its Bicentennial map feature, that thematic mapping has a place in almanacs, and the Associated Press Almanac has shown that an almanac's value is greatly enhanced by the inclusion of maps for each state. The World Almanac should be commended for its place name indexes, Information Please for its fine global projections, and Associated Press for sheer volume of maps. And the People's Almanac should be praised for its unusual maps.

There is intense competition between American almanac publishers and the public ultimately benefits by getting a better product. There is much room for improvement in almanac maps, and more competition in this area will benefit those who don't have immediate access to sources of more specialized maps.

PUBLICATIONS OF RELEVANCE

CONTRIBUTIONS BY: AB = Anna Blustein SJ = Sheila Johnson
 ALB = Arthur L. Burt EP = The Editor
 BK = Bob Krieger

ALB = Vice-President, PAIGH (Pan American Institute of Geography and History)
 Rockville, Maryland

COUNTRIES OF LATIN AMERICA - RESEARCH GUIDE SERIES

The Pan American Institute of Geography and History (PAIGH), a specialized Institute within the Organization of American States (OAS), is producing a series of Research Guides on the countries of Latin America.

The first volume issued, Research Guide to Colombia, was published in 1975. At the present time, other guides for Honduras, Guatemala, Costa Rica, El Salvador, Nicaragua, Panama and Peru are under preparation and should be published in 1977.

The Guides represent an up-dating and expansion of similar works produced by the Pan American Union in 1966. The first part of each guide contains index maps on earth satellite photography, radar imagery, aerial photography, topographic and planimetric mapping, geologic mapping, and several areas of special subject mapping, and addresses where they may be obtained. A geographic bibliography is contained at the end of each guide.

The Colombia Guide, as will be the others in the series, comes in an 8½" by 11" format. This particular Guide contains 58 pages.

The first volume, Research Guide to Colombia, may be purchased by addressing a request to:

Servicios Bibliográficos
 Secretaría General del IPGH
 Ex-Arzobispado 29
 México 18, D. F.
 México

The price of the Colombian Guide is \$5.00 U.S. and it is available in either English or Spanish.

BK = Cartographic Section, California Department of Transportation, Sacramento

California. Department of Transportation.

California City and Unincorporated Place Names, July 1, 1976. Sacramento, 1976. \$3.71 each, available from California Division of Highways, P.O. Box 1499, Sacramento, CA

Not intended as a complete gazetteer of California, but rather a tabulation designed primarily for internal Department use. Names are those shown on the County Road System maps, produced by the Department.

EP = *The Editor* (from material in hand & publisher's blurbs)

Geoscience Information Society, Proceedings, Volume 6, 1976. Proceedings of the Tenth Annual Meeting of the Geoscience Information Society, October 21st, 1975, Salt Lake City, Utah. "Retrieval of Geoscience Information". \$12.00

Available, prepay, from Geoscience Information Society, c/o American Geological Institute, 5205 Leesburg Pike, Falls Church, VA 22041. Make check payable to "Geoscience Information Society".

International Maps and Atlases In Print, 2nd edition. Edited by Kenneth L. Winch. (available February 2, 1977) 8 1/2 x 11-3/4" 866 pages. Index. Illus. LC 73-13336. ISBN 0-85935-036-3. \$55.00 plus shipping and handling. New York, R.R. Bowker Co., 1977.

The first edition of this work was published in 1974. This edition contains descriptions of more than 15,000 maps and atlases produced by some 1,000 commercial and official map publishers throughout the world. About 400 index maps have been updated to indicate the area-coverage of multi-sheet series published to date.

Winch is a cartographic editor with George Philip Printers Ltd.

A Union List of Map Series: Mexico and Central America, held by the libraries of The University of California and Stanford University. Compiled by R. Philip Hoehn. Second Edition. The Bancroft Library, University of California, Berkeley. January, 1977.

This second edition, like the first, contains map series at a scale of 1:500,000 and larger. Hydrographic series are omitted. The first edition appeared in February 1976, and future editions are planned. It has aided the participating libraries in inter-library loan transactions, and acquisition plans.

U.S. Library of Congress. Geography and Map Division.

List of Publications. Compiled May, 1976, this brochure cites publications authored and/or edited by members of the G&M Division staff, regardless of where the item was published. The list includes availability information, price or free, and original source if a reprint.

Free. The Library of Congress, Geography & Map Division, Washington, DC 20540.

U.S. Library of Congress. Geography and Map Division.

Selected Sources for Maps Published by International Organizations. Compiled by Donald A. Wise. November 1975. A one-page list. Free.

U.S. Library of Congress. Geography and Map Division.

Selected United States Private and Commercial Map Publishers. Compiled by Donald A. Wise. August 1976. A four-page list. Free.

U.S. Geological Survey.

Types of Maps Published by Government Agencies. A brochure, folded into 8 panels. Cites Type, Publishing Agency, Available From, and a list of addresses.

Item is distributed by GPO for 35 cents; depository libraries got one automatically. Also available from NCIC, 507 National Center, Reston, VA 22092. Free?

Documents Index.

Guide to U.S. Government Maps: Geologic and Hydrologic Maps. Second Edition. 1977. McLean, Virginia, Documents Index, 1977.

The first edition, published in 1975, contained U.S.G.S. maps published through December 1974. This new edition is updated with an additional 700 maps published during the period January 1975 through August 1976.

\$45.00 per copy (\$40. cash with order) until March 1, 1977, when the price will be \$50. per copy. Documents Index, P.O. Box 195, McLean, VA 22101

Documents Index.

Township Atlas of the United States, Named Townships. Compiled and Edited by John L. Andriot. 1977. Andriot Associates [Documents Index], McLean, VA.

The purpose of this volume is to provide an atlas giving the named townships which exist today, and an index to the 22,000 townships, towns, plantations, gores, etc. located in these States.

Only 23 States are included in this volume, Nevada being the only western State included. All other States are public land survey States, which may be included in a companion volume being considered. [No date set.]

Price is \$50. per copy. Andriot Associates, P.O. Box 195, McLean, VA 22101

Moak, Jefferson M.

Philadelphia Mapmakers. A listing of civil engineers, surveyors, lithographers, engravers, printers, publishers, colorists and mounters of maps who have located themselves within the bounds of Independence Mall and Independence National Historic Park during the years 1860-1890; being 15 years on each side of the Centennial of the signing of the Declaration of Independence.

Philadelphia, The Shackamaxon Society, 1976. ©1976, The Shackamaxon Society and Jefferson M. Moak.

\$2.00 plus 25¢ for post & handling; The Shackamaxon Society, Inc., P.O. Box 1777, Philadelphia, PA 19107 ATTN: Publications

This 32-page, illustrated, brochure style pamphlet, is throughout a well-written and researched cartobibliographical aide. Its sub-title really gives the full story as to content. It can serve as a model for anyone contemplating compilation of a list for another geographic area, although one might consider another format. This work is 8½"x3-3/4", with an interesting fold-out map/illustration at the centerfold. Its utility as a reference tool outweighs the, in the view of this reviewer, awkward format.

National Demographic Research Corporation.

United States ZIP Code Maps, 1976 National Edition. South Hackensack, New Jersey, National Demographic Research, 1976. [24 East Wesley St., South Hackensack, NJ 07606]

The publisher's blurb is a bit confusing as to price; both of these statements appear, with no precise indication: "Libraries please discount 30% from List Price", and, "Enclosed is \$90.00 for each directory".

A Comparative Atlas of America's Great Cities: Twenty Metropolitan Regions.

Edited by Ronald Abler, Text by John S. Adams and Ronald Abler. Ki-Suk Lee, chief cartographer. Minneapolis, University of Minnesota Press, [in cooperation with the Association of American Geographers], 1976.

528 p., 11" x 13", 940 maps in color and 100 maps in black and white. \$95.00 University of Minnesota Press, 2037 University Avenue Southeast, Minneapolis, Minnesota 55455; in Canada: Burns and MacEachern, Ltd., 62 Railside Road, Don Mills, Ontario; in the United Kingdom: Transatlantic Book Services, Ltd., 7 Maiden Lane, London WC2E 7NA.

This work is Volume 3 of the Comparative Metropolitan Analysis Project, published by the Ballinger Publishing Company, 17 Dunster Avenue, Cambridge, Massachusetts 02138.

The following twenty metropolitan regions are covered in the present work:

Boston	Chicago
New York-Northern New Jersey	Detroit
Philadelphia	Minneapolis-St. Paul
Hartford-Connecticut Valley	Seattle
Baltimore	Dallas-Fort Worth
New Orleans	Houston
San Francisco-Oakland	Los Angeles
Pittsburgh	Miami
St. Louis	Atlanta
Cleveland	Washington, D.C.

Many cities and towns within these regions also are represented in the presentation of data. Scales 1:2M for entire area; 1:1M for SMSA's; & 1:250,000.

SJ = Map Librarian, University Library, Texas A&M University, College Station

Atlas of Texas. University of Texas at Austin, Bureau of Business Research. 1976. 179pp. \$12.00 This is an enlarged and updated edition including a new section of cultural and historical maps. Many maps are in color.

Texas Oil and Gas Fields. A map, about 1:4M, with table of county production statistics to January, 1975. Texas Mid Continent Oil & Gas Association. Oil Information Committee, 1341 West Mockingbird Lane, Suite 1111-E, Dallas, TX 75247. Free

World Biogeographical Provinces. A map, scale 1" = 625 miles, in color. By Miklos D. F. Udvardy, 1975, it is published by CoEvolution Quarterly, P.O. Box 428, Sausalito, California 94965. \$3.00

Based on Occasional Paper No. 18 of the International Union for Conservation of Nature and Natural Resources, it is an attempt to divide the world not only according to vegetation but also according to plant and animal distribution.

AB = University Research Library, University of California, Los Angeles, CA

De Laubenfels, David J , 1925-

Mapping the world's vegetation : regionalization of formations and flora / 1st ed. -- Syracuse, N.Y. : Syracuse University Press, 1975. xvii, 246 p. ; ill., maps ; 24 cm. --(Syracuse geographical series no. 4)


 AN INDEX TO THE DEFENSE MAPPING AGENCY/
 ARMY MAP SERVICE DEPOSITORY CATALOGS
 

by

Joe Crotts
 Map Collection
 University Library
 California State University, Chico

The Defense Mapping Agency/Army Map Service maps represent the most comprehensive collection of maps of international scope distributed by any United States government agency. Yet this valuable resource is frequently utilized the least, and as a last resort when all else fails, by many, if not most, of the DMA depositories. The potential to satisfy a patron desiring a city plan of an Albanian seaport (and who knows when a former Italian World War II veteran will arrive on the scene and desire to reminisce over his old stomping grounds, however temporary they may have been), a roadmap of Portugal or the route of the Murmansk Railway, or a fairly detailed topographic map of any area of the world presents itself in a most confusing manner when one is confronted with the several overlapping DMA and AMS catalogs, each without any apparent internal order.

The lack of a classified arrangement of the catalogs, coupled with the problem that newer catalogs partially overlap with older editions, and few of us seem to have bothered to integrate them, has made the use of the catalogs, and consequently finding any particular item in the collection, a cumbersome proposition - flipping through several catalogs, page by page, not knowing whether what we need is even there or not until the final page is gleaned. Thus, many librarians regard a search through the DMA collection a bore rather than the rewarding experience that it should and could very well be, and consequently, many potentially useful maps contained in numerous series within the DMA collection are largely overlooked, either through a lack of awareness that such maps exist in the collection, and/or due to the time and trouble encountered in searching through the depository catalogs.

A good example of very useful series within the DMA collection which are frequently overlooked in some libraries are the various series of detailed state topographic maps. At most libraries that I have visited, librarians seem to be familiar with and make use of the series 1301 topographic maps at the scale of 1:1,000,000 which provide world coverage. Frequently the 1301 index sheet is removed from the catalog and openly displayed. If these maps do not show sufficient detail, a little prodding may persuade the librarian to flip through the catalogs in search of a more specific series covering a particular area, frequently at a scale of 1:250,000. But how many librarians are aware that, for all but a few states of the U.S., a complete set of topographic sheets, almost identical to those issued by the U.S.G.S. are available in the "V" series of the DMA collection? These maps are not current. Most are dated around 1947. However, for detailed coverage of physical features of the landscape, they are frequently the best a library has for many states, as most smaller and medium size libraries do not receive the 7.5' and 15' U.S.G.S. topographic sheets for states other than their own and neighboring states.

These state topographic sheets in the DMA collection were issued under the agency's former name, Army Map Service, and, for most states, were issued in two separate sets within the "V" series. For each state covered, sets with index numbers in the 800 range (e.g., V895 for California) denote a complete set of 7.5' topographic sheets for that state at a scale of 1:25,000, which were compiled in cooperation with, and are very similar to, those issued by the U.S.G.S. Correspondingly, in the same relative position in the 700 range of the "V" series (e.g., V795 for California), there is a complete set of 15' topographic sheets for that state at a scale of 1:50,000, which are slightly more detailed than the Geological Survey's 15' topographic sheets, which are at a scale of 1:62,500. So, before you turn a patron away who is seeking a detailed topo of some midwestern or eastern state, check your DMA collection in the "V" series. A somewhat dated topo may suffice for his or her particular purpose, and is usually better than none at all.

Having an index with some logical systematic arrangement would provide quick and accurate access to the "V" series of state topographic sheets and all other series within the DMA collection. The following schedule consists of the title, which, in all cases, is the area covered of each series issued in the DMA depository program, arranged in alphabetical order and accompanied by all DMA-DMS index numbers of series having that title.

The schedule is arranged in two sections. The first schedule applies to the newer group of lettered and unlettered series issued in part under the agency's present name, the Defense Mapping Agency, and in part under the agency's previous name, the Army Map Service. The second schedule applies to the earlier group of G.S.G.S. (Geographical Section General Staff, British War Office) series reprinted by the Army Map Service and distributed to depository libraries. The two groups are not interfilable, except in cases where a particular G.S.G.S. series has been updated and subsequently assigned a lettered series index number. For libraries having complete depository holdings, this will necessarily require use of both schedules if the collection is to be searched in its entirety. However, for those libraries having only the newer group of lettered and unlettered series, use of the first schedule will allow efficient searching through these series without the encumbrance of scanning over numerous series of older maps not available in their collection.

Perusal of the two schedules will reveal several factors relevant to their use. Perhaps the most obvious feature is the grouping of index numbers denoting different series and thus types of maps of identical areas, a quality sadly lacking in the depository catalogs. However, caution must be exercised in contemplating a search of all maps of a given area. Note that regional designations, e.g., eastern, western, etc., generally precede the primary or official area toponym. Consequently, to locate all maps issued of Siberia, for instance, one should look for "Eastern Siberia", and even "Asiatic Russia", in addition to "Siberia". Establishing a cross-reference file would be the next logical step in improving the schedules. Variant spellings and obsolete usage, for instance, "Bas Congo" rather than "Congo", will also create confusion in several instances and require cross-referencing.

It is suggested that librarians look over the schedules closely, familiarize themselves with strengths and weaknesses of the collection, and establish cross-reference files for regional designates within primary areas and

obsolete usage and variant spelling of toponyms. Keep in mind that these schedules are designed primarily to expedite searching through the DMA/AMS catalogs, rather than the collection itself. However, when one becomes familiar with the numerous series, especially those containing a single or small number of maps, the schedules can frequently be used to provide access directly to the collection.

DMA/AMS LETTERED AND UNLETTERED SERIES

Afghanistan	U511	Bonaire	E882
Africa	2201	Borneo	T531 T532
Africa (Air)	P404	British Columbia	A521 A522 A621 A721
Africa Road Maps	2101 2202 2204 2301	British Guiana	E491
Africa--Special Strategic Maps	2203	British Honduras	E552
Alabama	V744 V844	British Isles Ordnance Survey	M521
Alaska	Q501	Burma	U542
Alaska Communication Map	8302	California	V795 V895
Algeria	P541 P741	Cambodia, Laos, Vietnam	5202
Amboina Archipelago	T761	Canada (Air)	A402
Arabia	K462	Canary Islands City Plans	P911
Arabian Peninsula	5211	Cape Verde Islands	G611
Arizona	V798	Caroline Islands	W751
Arkansas	V784 V884	Caucasia	N561
Aruba	E781	Celebes	T541
Asia	5204	Celebes Island	T543
Asia--Special Strategic Maps	5207	Central America	E501
Asia Transportation Maps	5201	Central Europe	M501 M508
Australia	9301	Central Europe Road Maps	M405
Azores	M683	Central Honshu	L774
Bahamas	E711	Central Japan	L571
Bahrein Island	K761	Central Philippines	S831
Balearic Islands	M682 M788	Central Siberia	N503
Balkans	M506	China	L500
Barbados Road Map	E745	China City Plans	L901
Bas Congo	Z611	China Proper, N.E.	L531
Belgium and N.E. France	M603	China Proper, N.W.	L532
Belgium City Plans	M932	China Proper, S.E.	L581
Bismarck Archipelago	T791	China Road Maps	L301

Chishima--Retto	L763	Europe	6203
Christmas Islands (Indian Ocean)	T723	Europe (Air)	M404
Colorado	V777 V877	Europe, North Africa & Asia	1202
Connecticut	V716 V816	Europe--Official Road Map for Allied Forces	M305 M406
Continental Southeast Asia	1206	Europe Road Map	6302 6303
Cook Islands	X771	Europe Road Maps	M505
Corsica	M763	Europe--Special Strategic Maps	6201
Corsica City Plans	M963	European U.S.S.R.	5307
Crete	M405a M701	The Faeroes	M623
Cuba	E421	Federation of Rhodesia and Nyasaland	Z542
Cuba and Jamaica	E521	Fiji Islands	X551
Cuba Communications	E321	Finland	M513
Curacao	E883	Florida	V745 V847
Cyprus	M504	Formosa City Plans	L991
Cyrenaica	P662	Formosa (Taiwan)	L593 L792
Delaware	V732 V832	France	M561 M562 M661 M661S
Denmark	M514	France and Belgium	M703
Dodecanese Islands	M604 M801	France City Plans	M961
Dominican Republic Road Map	E532	French Guinea and Sierra Leone City Plans	G941
Democratic Republic of the Congo	Z523	French West Africa	G501
Democratic Republic of the Congo Road Map	Z201	French West Africa City Plans	G901
Dutch Borneo	T731	Georgia	V745 V845
East Africa	Y401 Y502 Y503	Germany	M541 M641 M641S
East Asia and North Pacific	1201	Ghana Road Maps	G451
East Asia Road Maps	1306	Great Britain	M523
East Indies	T201 T503 9306	Great Britain (Aeronautical)	M422
Eastern Asia	5301 5305	Great Natuna (Natoena)	T632
Eastern China	L704	Greenland	4201 C401 C501
Eastern Europe	N501	Grenada Island	E744
Eastern Siberia	N504	Guam	W742
Eastern South America	H401	Hawaiian Islands	W532
Eastern United States	V501 V601	Hokkaido	L764
Egypt	P472 P671	Holland	M631
Egypt City Plans	P971	Holland--Railways and Waterways	M431
Eurasia	5302		
Eurasia--Strategic Planning Maps	1127		

Iberian Peninsula	M581	Lesser Antilles	E641	E741
Iceland	C561 C562 C661 C866	Lesser Antilles (Trinidad)	E541	
Iceland City Plans	C961	Lesser Sunda Islands	T551	T552
Illinois	V763 V847	Libya	P461	
India	U501	Louisiana	V785	V885
India and Pakistan	U502	Luzon	S712	
India Road Maps	5206	Madagascar	0471	
Indiana	V751 V851	Madeira Islands	P721	
Indochina and Thailand	L509	Maine	V711	V811
Indonesia	T503	Malaya	L705	
Iran Road Map	K201	Malaya (Road Map)	L305	
Iraq and Iran	K501	Malta and Gozo	M893	
Ireland Road Map	M421	Malta City Plans	M991	
Island of Ambon and Ceram	T663	Manchuria	L541	L542
Italy	M591 M691 M791	Manchuria and Adjacent Regions	5205	
Italy and Neighboring Countries (Railways)	M392	Manchuria City Plans	L941	
Italy Road Map	M391	Manchuria Road Map	L201	
Italy Road Maps	M592	Mariana Islands	W543	
Jamaica	E621	Marianas Islands	W541	W741
Jan Mayen	C651	Marianas Islands (Rota Island)	W841	
Japan	L506 5204	Maryland	V733	V833
Japan City Plans	L902	Massachusetts	V814	
Japan--Government Railroads	L303	Martinique	E743	
Japan Road Maps	L302 L503	Mediterranee Orientale	1205	
Java and Madura	T221 T722	Melanesia	X401	
Java, Madura and Bali	T521	Mexico	F401	F541
Jordan	K332	Michigan	V762	V862
Kansas	V778 V878	Middle Danube	M671	M671S
Katanga Province	Z521	Middle East Briefing Map	1308	
Kentucky	V753 V853 V853M	Mindanao	S651	S751 S851
Korea	L551 L552 L751	Minnesota	V872	
Korea City Plans	L951	Mississippi	V743	V843
Korea Road Maps	L351 L451	Missouri	V779	V879
Kyushu	L772	Molukken Islands	T662	
		Mongolia	L522	

Morocco	P531	P732	Peru City Plans	J931
Morocco City Plans		P931	Philippine Islands	S401 S901
Murmansk		N412	Philippines	S501
New Caledonia	X402	X631	Philippines Road Maps	5306
New Guinea	T401	T504	Poland	M651 M651S
New Guinea and Papua		T281	Portugal	M780
New Hampshire		V812	Puerto Rico Road Map	E431
New Hebrides		X321	Republic of Panama	E461
New Hebrides Islands		X621	Rhode Island	V715 V815
New Jersey	V722	V822	Ruanda--Urundi	Z621
New Mexico	V781	V881	Rwanda and Burundi	Z421 Z522
New York	V721	V821	Ryukyii-Retto	L791
New Zealand	9201	9302	Sardinia City Plans	M992
Newfoundland		A401	Senegal	G621
Newfoundland: Avalon Peninsula		A681	Siberia	5203
North Africa		P502	Sicily City Plans	M993
North America--Special Strategic Maps		8201	Sierra Leone	G442 G541
North Carolina	V742	V842	Solomon Islands	X611
North Dakota	V771	V871	South Africa	Z501
Northeast Greenland		C521	South American Air Strips	7301
Northern Europe		M515	South American Transportation	T201
Northern Honshu		L773	South Carolina	V746 V846
Northern Japan		L561	South Dakota	V773 V873
Northern Karafuto		L761	South Japanese Islands	W511
Northern Rhodesia	Y401	Y541 Z441	Southeast Arabia	K461
Northern South America		E401	Southeast Asia Briefing Graphic	L307
Northwest Europe		M503	Southeast Asia Briefing Map	5213
Ogasawara-Gunto		W711	Southeast Asia Road Maps	5308
Ohio	V752	V852	Southeast Greenland	C541
Oklahoma	V783	V883	Southeastern Borneo	T631
Oregon		V792	Southern Asia	5208
Pacific--Special Strategic Maps		9101	Southern Honshu	L775
Palau Islands	W752	W853 W854	Southern Japan	L591
Palestine		K631	Southern Karafuto	L762
Pennsylvania	V731	V831	Southern Morocco	P632
			Southwest Greenland	C531

Southwest Iceland	C861	Wake Island	W822
Southwestern Asia	K502	Washington	V791 V891
Spain	M781 M782 M783 M784 M785 M786 M787	West Africa	G501 G503 G504
Spain and Portugal Road Maps	M481	West Virginia	V754 V854
Spain City Plans	M981	Western Borneo	T732
St. Christopher (or) St. Kitts	E748	Western Hemisphere--Strategic Planning Maps	1130
Straits of Gibraltar	M582	Western Iceland	C761
Suez Canal	P572	Western Siberia	N502 N571
Sulu Archipelago	S741	Western South America	J401
Sumatra	T511	Western United States	V502
Surinam City Plans	E991	Wisconsin	V761
Syria	K421 K521	World	1101 1103 1104 1106 1107 1125 1140 1301 1404
Taiwan (Formosa)	L594	World Climate Zones	1105
Taiwan (Formosa) Road Map	L491	World Outline Maps--Area	1105 1106 1204
Tennessee	V741 V841	World Planning Maps	1102
Texas	V782 V882	World Road Maps	1304W
Tonga Islands	X671 X871	World Strategic Planning Maps	1130
Tongareva	X772	Wyoming	V774
Trinidad	E742	Yasawa Group	X752
Tripoli	P661		
Tripolitania City Plans	P961		
Truk Islands	W851		
Tunisia Communications	P451		
Turkey	K511		
United States	V501 V502 8202 8205		
United States Railroad Maps	8204		
Uruguay City Plans	H971		
U.S. Strategic Maps	V401		
U.S.S.R.	1203		
U.S.S.R.--Administrative Areas	5103		
U.S.S.R. and Adjacent Areas	5104		
U.S.S.R. and Adjacent Countries	1104		
Venezuela City Plans	E981		
Vermont	V713 V813		
Virginia	V734 V834		
Viti Levu Island	X751		

G.S.G.S. (Geographical Section, General
Staff, British War Office)

[all Series Numbers preceded by G.S.G.S.]

Africa	1764 2465
Africa (Air)	4072-A
Africa Communications	4209
Africa Road Map	4256
Albania	4418
Albania City Plans	4415
Algeria	4180 4232
Asia	2555
Asia and Europe	2957
Asiatic U.S.S.R.--Railways	4207

Atlantic Islands, Porto Santo and Desertas	4343	France and Belgium	4040
Azores 4122 4123 4124 4141 4321	4331	France City Plans	4234
Bahrein Island	4305	French North Africa	4175
Balearic Islands 4134 4373	4376	French West Africa	4149
Belgium	4420	Germany	4346 4414
Belgium and N.E. France	4336	Germany Road Maps	4478
British Columbia	590	Great Britain (Aeronautical)	4369
Buka and Bougainville	4344	Holland	2541
Burma and Thailand	4218	Holland--Railways & Waterways	4183
Canary Islands 4120 4121 4132 4306		Hong Kong	3961
4307 4308 4309 4310	4342	Iceland	4186
Canary Islands City Plans	4333	Iceland (Air)	4140
Cape Verde Archipelago	4125	India	4203
Cape Verde Islands 4110 4111 4112		Ireland	4142
4113 4114 4115 4116 4117 4118	4119	Italy	4164 4228 4229 4230
Caucasia and Neighboring Territories	4327	Italy and Neighboring Countries (Railways)	4176A
China	2400	Italy City Plans	4380
China and Japan	4034	Java and Madera	1981
Corsica	4398	Lampedusa and Linosa	4406
Corsica City Plans	4381	Libya	4236
Crete	4160	Madagascar	4243
Cyprus	3974 4242	Madeira	4313
Cyrenaica	4076	Malaya, Kedah and Perlis	4254
Dodecanese City Plans	4161 4168	Malaya, Kelantan	4251
East Central Asia	4222	Malaya, Pahang	4253
East Indies	3860	Malaya, Perak	4255
East Indies, Timor & Islands	4271	Malaya (Road Map)	3910
Eastern China	3789	Malaya, Trengganu	4252
Egypt	4084 4085 4208	Malta and Gozo	3859
England and Wales	3957	Mediterranee Orientale	4281
Europe (Air)	4072	Middle East	3919 4213
European Russia--Railways	4206	Morocco	4173
Faeroes	4139	Morocco City Plans	4241
Finland	4093	Murmansk	4313
France	2738 4238 4249 4250	Murmansk Area	4363
		Murmansk Railway	4224

Near and Middle East	4108	St. Kitts and Nevis	2942
New Guinea and Papua	4383	Straits of Gibraltar	2920
Norway	4090 4246 4419	Suez Canal	3753
Northwest Europe	4042	Sumatra	4184
Palestine	4078 4079	Sweden	4091 4092
Pantelleria	4162	Syria	4194 4195
Portugal	4145	Syria and Lebanon	4244
Portugal Road Map	4352	Tripoli	3980
Samoa Islands	4300	Tripolitania City Plans	4374
Sardinia City Plans	4378	Tunisia	4225 4226 4227
Scotland	3958	Tunisia City Plans	4274
Sicily City Plans	4379	Tunisie Communications	4408
Southern Asia	4340	Turkey	4193 4235 4292
Spain	4109	U.S.S.R. & Adjacent Countries	3953
Spain & Portugal Railway Map	4170	U.S.S.R. (Asia)	4219
St. Christopher (or) St. Kitts	2941	[all Series Numbers preceded by G.S.G.S.]	

NEWS NOTES

Maps to be noted in Wilson Indexes

In response to a request from the Geography and Map Division, Special Libraries Association, all Wilson indexes [*Library Literature, et al.*] will now note those articles that contain a map or maps. Henceforth the present "il" for illustration and "por" for portrait will be augmented to show maps when they appear.

Wilson Library Bulletin, Dec. 1976

New Library Acquisitions List

The Geography Library, University of Auckland, Auckland, New Zealand, has issued its No. 1 (July-September 1976) of a quarterly listing of maps newly added to the collection. The title is CARTE-QUART, and had five pages in the first issue.

courtesy of Lewis Armstrong

New organization of National Map Collection, Public Archives, Canada

The old Canadian and Foreign Sections have been dissolved and five new sections have been established: Early Canadian Cartography; Modern Cartography; Government Cartographical and Architectural Records; External and Internal Services; and Documentation Control.

Betty Kidd, Chief, NMC

ATLASES CATALOGED AT UCLA

by

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

- G
1019 The International atlas : Der Internationale Atlas : El Atlas inter-
R15in nacional : L'Atlas international. -- [Rev. ed.] -- Chicago : Rand
1977 McNally, c1977.
xvi, 312, 222 p. : chiefly col. maps ; 39 cm.
At head of title: Rand McNally.
English, French, German, and Spanish.
1. Atlases. I. Rand McNally and Company. \$45.00
- G
1019 The Times atlas of the world / Times Books in collaboration with John
T48ac Bartholomew & Son Limited. -- 5th ed. -- London : Times Books, 1975.
1975 xl, 223 p., 123 leaves of col. plates : col. ill., col. maps ; 46 cm.
"Maps prepared by John Bartholomew & Son Limited, Edinburgh."
Legend sheet laid in.
ISBN 0-7230-0138-3.
1. Atlases, British. I. Bartholomew (John) and Son, ltd. II. Times
Books, London.
- G
1030 Westermann, Georg, firm, publishers, Brunswick.
W52a Grosser Atlas zur Weltgeschichte / hrsg. von Hans-Erich Stier ...
1976 [et al.] ; bearb. von Hans-Erich Stier ... [et al.] ; unter Mitarbeit
von Ekkehard Aner ... [et al.]. -- 9. Aufl. -- Braunschweig : G. Wes-
termann Verlag, 1976.
[viii], 170, 78 p. : chiefly col. maps ; 30 cm.
1. Geography, Historical - Maps. I. Stier, Hans Erich, 1902-
II. Title.
- G
1271 Raymond, Parish, Pine & Plavnik.
S1R217 The State of Maryland historical atlas ; a review of events and
1973 forces that have influenced the development of the State. [Annapolis]
State of Maryland, Dept. of Economic and Community Development, 1973.
60 p. illus., col. maps. 28 x 44 cm. \$6.00
Includes bibliographical references MARC 73-620104 MAP
1. Maryland - Historical geography - Maps. 2. Maryland - History.
I. Maryland. Dept. of Economic and Community Planning. II. Title.
- G
1545 Atlas of Mexico / Stanley A. Arbingast ... (et al.). - (2d ed.) -
A881 Austin : Bureau of Business Research, University of Texas at Austin,
1975 c1975.
164, (1)p. : ill. (some col.), maps (some col.) ; 28 x 37 cm.
Bibliography: p. 163-164
CONTENTS: Physical setting.-History.-Population.-Agriculture.-
Transportation, services, and commerce.-Industry.
ISBN 0-87755-187-1 : MARC 75-11269 MAP \$15.00

The San Diego State University
Social Science Research Laboratory (SSRL)

The Social Science Research Laboratory (SSRL) promotes instruction, research, and interdisciplinary exchanges and cooperation concerning research and instruction in the social sciences, and develops capabilities to facilitate these endeavors. SSRL is located in the College of Arts and Letters, and is governed by an Executive Committee comprised of the director and departmental representatives. Combining resources in Economics, Geography, political Science, and Sociology, SSRL transforms departmental resources and capabilities into collective resources in order to benefit the social science community. SSRL is organized in four sections: 1) Computational Section; 2) Data Resource Section; 3) Map Section; and 4) Survey Research Section.

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- Information about using computing services at SDSU, SUDC, and Northridge facilities
- More than 100,000 map sheets, including U.S. Geological Survey and DMA depository items
- Consultation on computer programming on a limited basis ; Consultation on computer utilization
- Access to (4) Keypunches, (8) Computer Terminals, (30) Calculators
- Access through job submittal (RJE) to the Computing Facilities
- Consultation on finding and using maps
- Consultation on finding and using printed data
- Consultation on using other SDSU computing facilities
- Consultation on survey design and execution
- Consultation on costing-out services through SSRL

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Richard Hofstetter, Director
 Social Science Research Laboratory
 San Diego State University
 San Diego, California 92182

or call: Carole Outhouse
 Data Resource Section 286-5845

or

Doug Coe
 Computational Section 286-5845

or

Muriel Strickland
 Map Section 286-5845

ADDENDUM TO TREASURE MAP LIST

by

Donald A. Wise
 Geography and Map Division
 The Library of Congress

A Descriptive List of Treasure Maps and Charts in the Library of Congress was published in 1973.¹ This edition contained a total of 155 items identified as treasure maps and atlases. Among the professional literature there seems to be a paucity of articles on treasure maps and atlases.^{2,3} Each year the growing public interest in this topic results in the publication of additional cartographic materials specializing in shipwrecks, lost mines, and hidden treasures. The following items have been identified and added to the list of treasure maps in the Library of Congress:

1. American Pioneer Trails Association. Oregon Council. Oregon's historic trails and "story spots". 1:1,300,000. ©1945. Col. 33 x 41cm. Pictorial. (G4291.S1 1945.A7)
 Brief descriptions of 83 historic sites are identified and keyed to map.
2. Bates, George T. A few of the shipwrecks on Cape Cod. Scale ca. 1:270,000. 52 x 72cm. Blueprint. (G3762.C35P57 1975.B3)
 Includes text "Historic Cape Cod" and "Alphabetical arrangement of the wrecks".
 Available from Historic Maps Ltd., P.O. Box 3488, South Postal Station, Halifax, Nova Scotia B3J 3J2. \$3.50
3. _____. A map of Hemloc Island Nova Scotia. No scale. 30 x 33cm. Blueprint. (G3422.H4E75 1975.B3)
 Shows location of Boot Hill, supposed site of a treasure hidden by the pirate Captain Kidd.
 Available from Historic Maps Ltd. (no. 2) \$1.75
4. _____. A map of Oak Island, Nova Scotia. No scale. 30 x 33cm. Blueprint. (G3422.O2E75 1975.B3)
 Shows the location of "The money pit", "stone triangle", and "smuggler's cove".
 Available from Historic Maps Ltd. (no. 2) \$1.75
5. _____. A map showing the area in the vicinity of the wreck of the French-man-of-war *Le Chameau*: a 60 gun ship from France for Quebec via Louisbourg - lost with all hands the night of August 25, 1725. No scale. 30 x 33cm. Blueprint. (G3422.C29P51 1725.B3)
 Shipwreck site "*Le Chameau*". Includes text taken from "N.S.H.S. Collections".
 Available from Historic Maps Ltd. (no. 2) \$1.75

6. _____. Nova Scotia "treasures". Scale ca. 1:2,000,000. 30 x 32cm.
(G3421.E75 1975.B3)
Includes descriptive index, which locates 23 shipwreck and treasure sites.
Available from Historic Maps Ltd. (no. 2) \$1.75
7. _____. Oak Island: the treasure island of Nova Scotia. No scale. Blue
Line print. (G3422.02E75 1975.B31)
Shows "money pit" and "Smuggler's Cove".
Available from Historic Maps Ltd. (no. 2) \$1.75
8. _____. Pirates and piracy in Nova Scotia waters. Scale ca. 1:100,000.
70 x 57cm. Blue line print. (G3421.S1 1975.B3)
Descriptions of pirate activities.
Available from Historic Maps Ltd. (no.2) \$3.50
9. _____. Sable Island, the graveyard of the Atlantic. Scale ca. 1:100,000.
32 x 49cm. (G3422.S2P57 1947.B3)
Some ships shown pictorially with date, name, and type of ship indicated.
Includes historical text and list of wrecks dating from 1633 to 1947.
Available from Historic Maps Ltd. (no. 2) \$1.75
10. _____. Ships wrecked on Sable Island the graveyard of the Atlantic.
Scale ca. 1:63,000. 55 x 69cm. Blueprint. (G3422.S2P57 1947.B31)
Includes text and chronology of wrecks dated 1633 to 1947.
Available from Historic Maps Ltd. (no. 2) \$3.50
11. _____. Some marine mysteries and tragedies in Nova Scotia waters.
No scale. 52 x 69cm. Blueprint. (G3421.P57 1886.B3)
Includes chronology of 18 ships which disappeared from 1777 to 1886.
Available from Historic Maps Ltd. (no. 2) \$3.50
12. _____. Some ships of war lost off the coast of Nova Scotia. No scale.
31 x 48cm. (G3421.P57 1822.B3)
Sites of 22 shipwrecks dating from 1725 to 1822 are shown.
Available from Historic Maps Ltd. (no. 2) \$1.75
13. _____. S.O.S.-Shipwreck, more early recorded wrecks around the coast
of Nova Scotia, 1831-1861. No. 2. No scale. 51 x 69cm. Blue line
print. (G3421.P57 1861.B3)
Includes chronological list of 159 shipwrecks with descriptions.
Available from Historic Maps Ltd. (no. 2) \$3.50
14. _____. S.O.S.-Shipwreck, some early recorded wrecks around the coast
of Nova Scotia, 1583 to 1873. No. 1. No scale. 52 x 69cm. Blue line
print. (G3421.P57 1873.B3)
Includes chronological list of 270 shipwrecks with descriptions.
Available from Historic Maps Ltd. (no. 2) \$3.50

15. _____. S.O.S.-Shipwreck, still more early recorded wrecks around the coast of Nova Scotia, 1861-1887. No. 3. No scale. 56 x 72cm. Blue line print. (G3421.P57 1887.B3)
Includes chronological list of 183 shipwrecks with descriptions.
Available from Historic Maps Ltd. (no. 2) \$3.50
16. Bordner, Carl J. Buried & sunken treasure on Florida's lower west coast. 1:1,000,000. ©1973. 32 x 27cm. (G3932.C6E75 1973.B6)
Descriptions of 35 treasure sites keyed to the map.
Available from Carl Bordner, 2736 Jamaica Street, Apt. 3, Sarasota, Florida 33581. \$1.00
17. Boston Harbor Research. Shipwrecks of Boston Harbor. No scale. ©1974. col. 44 x 55cm. Pictorial. (G3764.B6P57 1974.B6)
Includes "Roll call of major shipwrecks", and text.
18. Carlisle, Norman and Jeffrey. Treasure hunt, U.S.A., 100 places to look-and perhaps find-a fortune this summer. No scale. Col. 21 x 33cm. Pictorial. 1966. (G3701.E75 1966.C3)
Map shows 100 hidden treasure sites.
19. Drake, (Walter) and Sons. Treasure map of the United States. 1:5,000,000. ©1957. 66 x 107cm. (G3701.E75 1957.D7)
445 treasure sites are briefly described.
20. Greenberg, Jerry. Grand Cayman: underwater guide. No scale. ©1975. Col. 46 x 60cm. (G4967.G7E63 1975.G7)
Map shows locations of 11 shipwrecks, one sunken plane, and general location of three centuries of wreckage.
Available from Seahawk Press, 6840 S.W. 92 Street, Miami, Florida 33156.
21. _____. Jerry Greenberg's map of the John Pennekamp Coral Reef Park. 1:80,000. ©1973. Col. 49 x 64cm. (G3932.J6 1973.G7)
Shows wreckage at two places: Capt. Tom's Wreck and M/V Benwood sunk in 1942.
Available from Seahawk Press, 6840 S.W. 92nd Street, Miami, Florida 33156.
22. La Guilbaudière, Jouhan de. Description des principaux endroits de la mer du Sud depuis les 52 degrés 30 minutes sud, où est le d'estroit du Magelland jusqu'au 41 degréz nord, qui est l'jsle de Calliforne, faite sur les lieux par le s^r. Jouhan de la Guilbaudiere. Dressé et dessine les plans qui l'accompagnent, sur ses mémoires par le sieur Hanicle, ingenieur ordinaire du roy. [1696]. 35 col. maps (part fol.) 38cm. Manuscript. [Phillips 1154] (G1100.L3 1696Vault).
This atlas represents the type of cartographic information needed by pirates operating in the Pacific Ocean during the 17th Century.

23. Hamilton, Lewis W. and Gray, J. Mason. Hamilton and Gray treasure map. No scale. ©1974. 97 x 74cm. Pictorial. (G3931.E75 1974.H3)
Shows 24 treasure sites, 16 abandoned towns, 26 shipwreck sites, etc.
24. Hayward, Janet R. Colorado ghost towns, lost treasures, forts and gem sites. Scale ca. 1:3,250,000. 19 x 26cm. ©1972. (G4311.E75 1972.H3)
Map accompanied by descriptive index to 109 sites.
25. Hilson, Stephen E. Treasures of Alaska. Scale ca. 1:217,500. ©1974. 3 sheets. Col. 115 x 115cm. Pictorial. (G4372.A46.E635.S217.H5)
Shipwrecks are located; historical notes appear on all map sheets.
Available from: Van Winkle Publishing Company, 84 W. 20th Street, Holland, Michigan 49423.
26. Historical Documents Company. Treasure map, approximate locations of many sunken and buried treasures according to history, legend, and research. No scale. Col. 36 x 31cm. Pictorial. (G3321.E75 1965.H5)
Shows sunken and buried treasures along the Atlantic coast from Newfoundland to northern South America including the Caribbean area.
27. Johnson, Robert Neil. California-Nevada Ghost Town Atlas. 1st Ed. ©1967. 23cm. 48p. (G1526.A1J6 1967) [Le Gear 11333]
Lost Arch Mine is shown on page 9. \$2.00
Available from Cy Johnson & Son, Box 288, Susanville, California 96130.
28. _____. Gold Diggers Atlas. 64p. 23cm.
Locates a number of treasure sites.
Available from Cy Johnson & Son (no. 27) \$2.50
29. _____. N.W. Gem Fields and Ghost Town Atlas. 5th Ed. ©1975. 47p. 23cm.
Shows locations of 28 treasure sites.
Available from Cy Johnson & Son (no. 27) \$2.00
30. _____. Southwestern Ghost Town Atlas. 1st Ed. ©1968. 23cm. 48p. (G1496.A1J6 1968)
Locations of 23 lost mines are shown.
Available from Cy Johnson & Son (no. 27) \$2.00
31. Lechler, George L. Treasures, sunken boats, and ghost towns, in the State of Louisiana. Scale ca. 1:900,000. ©1973. Col. 73 x 58cm. Pictorial. (G4011.E75 1973.L4)
Descriptive comments clutter the face of this map.
32. Malin, Richard O. Puget Sound and San Juan Islands. 2nd Ed. Scale ca. 1:150,000. ©1975. Col. 122 x 60cm. (G4282.P8 1975.M3)
A great number of shipwrecks are shown.

33. National Geographic Society. ["Atocha" site]. 1:15,625,000. ©1976. Col. 8 x 7cm.
Map appeared in the National Geographic Magazine, June 1976, issue. Shows two shipwreck sites: Atocha and Margarita.
34. _____. Grave of 600 ships. Scale ca. 1:200,000. ©1967. Col. 26 x 17cm. (G3651.P57 1967.N3)
Map appeared in the National Geographic Magazine, September, 1967, issue. Includes location and identification of wrecks.
35. _____. [Saint-Pierre, Saint Pierre and Miquelon.] No scale. ©1967. Col. 9 x 17cm. (G3654.S23 1967.N3)
Map appeared in the National Geographic Magazine, September, 1967, issue. Includes list of shipwrecks.
36. _____. Truk's ghostly fleet now helps biologist study the sea. No scale. ©1976. Col. 25 x 25cm.
Map appeared in the National Geographic Magazine, May, 1976, issue. Identifies 19 Japanese shipwrecks and locates 14 other unidentified wrecks.
37. Rand McNally and Company. The AMP treasure map. No scale. ©1971. 31 x 46cm. Pictorial. (G3701.E75 1971.R31)
52 treasure sites are briefly described and keyed to the map.
38. Shea, Phillip D. Brier Island, Fundy graveyard: Shipwrecks since 1797-. Scale ca. 1:40,000. 55 x 43cm. ©1970. Pictorial. (G3422.B7P57 1970.S5)
61 wrecks are listed along with ship name and year lost.
39. Sinclair Oil Company. Herewith is presented a chart of treasure and other matters of interest in the dominions, commonwealths, and certain former Southern Colonies ... now all sovereign states in free America. No scale. Col. 25 x 33cm. Pictorial. (G3861.E75 195-.H4)
11 treasure sites are briefly described and keyed to map.
40. Smiley, Russ. Padre Island, Texas. 1:235,000. ©1968. Col. 76 x 50cm. Pictorial. (G4032.P2 1968.S5)
Wreck of the Nicaragua shown along with shrimper wreck. Locations of 7 reported treasure sites.
41. Stewart, William Herman. Map of Arizona's lost gold mines and ghost towns with notes on prospecting for gold, silver, and other treasures. Scale ca. 1:2,000,000. ©1974. 45 x 38cm. Pictorial. (G4331.E75 1974.S7)
Includes descriptive notes and index to lost mines. \$2.00
Available from William H. Stewart, 3528 Camino Real, Sarasota, Florida 33579.

42. _____. Map of Nevada's lost gold mines and ghost towns, with notes on prospecting for gold, silver, and other treasure. Scale ca. 1:2,200,000. ©1974. 43 x 38cm. Pictorial. (G4351.E75 1974.S7)
22 legendary lost mines are listed.
Available from William H. Stewart (no. 41) \$2.00
43. _____. Map of New Mexico's lost gold mines and ghost towns, with notes on prospecting for gold, silver, and other treasure. Scale ca. 1:2,000,000. ©1974. 43 x 38cm. Pictorial (G4321.E75 1974.S7)
Includes descriptive notes.
Available from William H. Stewart (no. 41) \$2.00
44. _____. Treasure hunter's tourist map of fishing, boating, skin diving on the Florida Keys, Marathon and Key West. Scale ca. 1:165,000. ©1972. 47 x 58cm. Pictorial. (G3932.F5E75 1972.S8)
Locates 35 wrecks including 21 Spanish galleons.
Available from William H. Stewart (no. 41) \$2.00
45. Sullivan, Robert F. Shipwrecks of Cape Cod. Scale ca. 1:134,900. ©1969. 57 x 38cm. (G3762.C35P57 1969.S8)
Index to shipwreck locations.
46. Terry, Thomas P. Great Lakes treasure wreck atlas. 1st ed. ©1974. 31p. 28cm. (G1107.G7T4 1974)
361 wreck sites are located on 5 maps.
Available from Specialty Products, 2233 South 22nd Street, LaCrosse, Wisconsin 54601.
47. _____. United States treasure map atlas. 1st Ed. ©1974. 142p. 28cm. (G1201.E75T4 1974)
Includes more than 5,000 treasure sites.
Available from Specialty Products (no. 46)
48. United States. National Park Service. Padre Island National Seashore. 1:570,000. 1972. Col. 43 x 16cm. (G4032.P22 1972.U5)
Wreck of the Nicaragua shown.
49. Viceroy, Monte R. Big Bear Lake valley. Scale ca. 1:40,000. ©1946. 33 x 66cm. (G4362.B5E635 1946.V5)
Two legendary lost gold mines are shown.
50. Young, Art. Old gold mines, Dahlonega, Georgia. 1:36,000. ©1971. 49 x 43cm. (G3924.D15H2 1971.Y8)
63 gold mine sites are shown.

This addendum of treasure maps and atlases indicates that public interest

and the market for sales of these materials continues to expand. Furthermore, treasure map cartography has developed into some distinctive formats and designs.

In conclusion, treasure maps have emerged as a specialized form of cartography and as a unique collector's item.

- ¹ Wise, Donald A. A descriptive list of treasure maps and charts in the Library of Congress. 2nd Edition. Washington, D.C.: U.S. Government Printing Office, 1973, 30p.
- ² Wise, Donald A. "Treasure Maps". Special Libraries Association, Geography and Map Division Bulletin, No. 101, September, 1975, p. 15-22.
- ³ Wise, Donald A. "Pirate and Treasure Atlases". Western Association of Map Libraries Information Bulletin, Vol. 7, No. 1, November, 1975, p. 41-44.

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"Possible Sources of Wreck Information", 1977 edition, has just been released by the U.S. National Ocean Survey, Rockville, Maryland 20852. This four-page leaflet describes information on this subject available from the Library of Congress, National Archives & Records Service, Internal Revenue Service (concerning tax laws regarding wealth acquired by salvage from sunken or buried treasure), various collections that include information on Great Lakes wrecks, and a list of 29 published works available from commercial sources. All agencies are listed by address, and commercial sources and prices are given where available. Of possible interest to West Coast librarians are the following:

Gibbs, J. A., Jr. "Shipwrecks of the Pacific Coast." (2nd edition) Binford & Mort, Publishers, 2505 S.E. 11th Avenue, Portland, OR 97242. \$4.50

Gibbs, J. A., Jr. "Pacific Graveyard" and "Shipwrecks of the Pacific Coast". A complete account of all wrecks, 50 tons and over, along the Pacific coast of the United States. \$5.50

Newell, Gordon R. "SOS North Pacific; Tables of Shipwrecks Off the Washington, British Columbia and Alaska Coasts." Binford & Mort, Portland, OR; 1955.

Rumsey, M. "Shipwreck Bay". Morrow Publications, 4163 Market Street, San Diego, CA 92102. \$3.95

The Editor

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NEW PRICE LIST

The U.S. Geological Survey has revised some of its prices for remote sensing data, effective January 1, 1977.

The former prices were established August 1, 1975, so it is timely that the new price schedule is published in these pages for your attention.

The Editor



PRICE LIST

STANDARD REMOTE SENSING DATA
U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



JANUARY 1, 1977

SATELLITE DATA

STANDARD LANDSAT			BLACK and WHITE		COLOR	
IMAGE SIZE	NOMINAL SCALE	PRODUCT FORMAT	UNIT PRICE	PRODUCT CODE	UNIT PRICE	PRODUCT CODE
55.8mm (2.2 in.)	1:3369000	Film Positive	\$8.00	11		
55.8mm (2.2 in.)	1:3369000	Film Negative	10.00	01		
18.5cm (7.3 in.)	1:1000000	Paper	8.00	23	\$12.00	63
18.5cm (7.3 in.)	1:1000000	Film Positive	10.00	13	15.00	53
18.5cm (7.3 in.)	1:1000000	Film Negative	10.00	03		
37.1cm (14.6 in.)	1:500000	Paper	12.00	24	25.00	64
74.2cm (29.2 in.)	1:250000	Paper	20.00	26	50.00	66
COLOR COMPOSITE GENERATION					50.00	59

NOTE: 1) Portrayed in false color (infrared) and not true color
2) Cost of product from this composite must be added to total cost

COMPUTER COMPATIBLE TAPES (CCT)				
TRACKS	b.p.i.	FORMAT	SET PRICE	PRODUCT CODE
7	800	Tape Set	\$200.00	82
9	800	Tape Set	200.00	83
9	1600	Tape Set	200.00	84

MANNED SPACECRAFT DATA

SKYLAB S190A			BLACK and WHITE		COLOR	
IMAGE SIZE	NOMINAL SCALE	PRODUCT FORMAT	UNIT PRICE	PRODUCT CODE	UNIT PRICE	PRODUCT CODE
55.8mm (2.2 in.)	1:2850000	Film Positive	\$ 8.00	11	\$10.00	51
55.8mm (2.2 in.)	1:2850000	Film Negative	10.00	01		
16.3cm (6.4 in.)	1:1000000	Paper	8.00	23	12.00	63
32.5cm (12.8 in.)	1:500000	Paper	12.00	24	25.00	64
65.0cm (25.6 in.)	1:250000	Paper	20.00	26	50.00	66

SKYLAB S190B			BLACK and WHITE		COLOR	
IMAGE SIZE	NOMINAL SCALE	PRODUCT FORMAT	UNIT PRICE	PRODUCT CODE	UNIT PRICE	PRODUCT CODE
11.4cm (4.5 in.)	1:950000	Paper	\$ 6.00	22	\$ 8.00	62
11.4cm (4.5 in.)	1:950000	Film Positive	8.00	12	12.00	52
11.4cm (4.5 in.)	1:950000	Film Negative	10.00	02		
21.8cm (8.6 in.)	1:500000	Paper	8.00	23	12.00	63
43.4cm (17.1 in.)	1:250000	Paper	12.00	24	25.00	64
86.9cm (34.2 in.)	1:250000	Paper	20.00	26	50.00	66

APOLLO/GEMINI			BLACK and WHITE		COLOR	
IMAGE SIZE	NOMINAL SCALE	PRODUCT FORMAT	UNIT PRICE	PRODUCT CODE	UNIT PRICE	PRODUCT CODE
55.8mm (2.2 in.)	Variable	Film Positive	\$ 8.00	11	\$10.00	51
55.8mm (2.2 in.)	Variable	Film Negative	10.00	01		
27.6cm (10.9 in.)	Variable	Paper	8.00	23	12.00	63
45.5cm (17.9 in.)	Variable	Paper	12.00	24	25.00	64

AIRCRAFT DATA

144

AERIAL MAPPING		BLACK and WHITE		COLOR	
IMAGE SIZE	PRODUCT FORMAT	UNIT PRICE	PRODUCT CODE	UNIT PRICE	PRODUCT CODE
22.9cm (9.0 in.)	Paper	\$ 3.00	23	\$ 7.00	63
22.9cm (9.0 in.)	Film Positive	5.00	13	15.00	53
22.9cm (9.0 in.)	Film Negative	6.00	03		
45.7cm (18.0 in.)	Paper	10.00	24	25.00	64
68.6cm (27.0 in.)	Paper	15.00	25	30.00	65
91.4cm (36.0 in.)	Paper	20.00	26	50.00	66

PHOTO INDEXES		BLACK and WHITE		FILM SOURCE	
IMAGE SIZE	PRODUCT FORMAT	UNIT PRICE	PRODUCT CODE		
25.4x30.5cm (10x12 in.)	Paper	\$5.00	36	B & W - Size A	
OTHER	Paper	5.00	37	B & W - Size B	

NASA RESEARCH		BLACK and WHITE		COLOR	
IMAGE SIZE	PRODUCT FORMAT	UNIT PRICE	PRODUCT CODE	UNIT PRICE	PRODUCT CODE
55.8mm (2.2 in.)	Film Positive	\$ 3.00	11	\$10.00	51
55.8mm (2.2 in.)	Film Negative	4.00	01		
11.4cm (4.5 in.)	Paper	3.00	22	7.00	62
11.4cm (4.5 in.)	Film Positive	4.00	12	12.00	52
11.4cm (4.5 in.)	Film Negative	5.00	02		
22.9cm (9.0 in.)	Paper	3.00	23	7.00	63
22.9cm (9.0 in.)	Film Positive	5.00	13	15.00	53
22.9cm (9.0 in.)	Film Negative	6.00	03		
22.9x45.7cm (9x18 in.)	Paper	6.00	31	20.00	69
22.9x45.7cm (9x18 in.)	Film Positive	10.00	14	30.00	56
22.9x45.7cm (9x18 in.)	Film Negative	12.00	04		
45.7cm (18.0 in.)	Paper	10.00	24	25.00	64
68.6cm (27.0 in.)	Paper	15.00	25	30.00	65
91.4cm (36.0 in.)	Paper	20.00	26	50.00	66

MISCELLANEOUS

MICROFILM		BLACK and WHITE		COLOR	
FORMAT		ROLL PRICE	PRODUCT CODE	ROLL PRICE	PRODUCT CODE
16mm (30.5m/100 ft.)		\$15.00	72	\$40.00	73
35mm (30.5m/100 ft.)		20.00	72	45.00	73

KELSH PLATES		BLACK and WHITE	
FORMAT		UNIT PRICE	PRODUCT CODE
Contact Prints on Glass Specify thickness (0.25 or 0.06 inch) and method of printing (emulsion to emulsion or through film base).		\$12.00	70

TRANSFORMED PRINTS		BLACK and WHITE	
FORMAT		UNIT PRICE	PRODUCT CODE
From convergent or transverse low oblique photographs		\$ 8.00	71

VIEWING SLIDES		COLOR	
FORMAT		UNIT PRICE	PRODUCT CODE
35mm mounted duplicate of available printing master		\$ 1.00	50

NOTE: 35mm original will require additional \$5.00, not to include cost of mounted duplicate.

Complete roll reproduction delivered in roll format carries a 50% reduction in frame pricing. Custom processing of non-standard products is available at three times the standard product price. If a non-standard size is desired, the cost is three times the next larger standard product price. Priority service with guaranteed five working days shipment is offered for standard products only, at three times the standard product price. Extra care should be taken to insure that monies and related order forms are forwarded to the same facility.

NEW MAPPING OF WESTERN NORTH AMERICA

CONTRIBUTIONS BY: MB = Mary Blakeley, Head Map Librarian, University Library, University of Arizona, Tucson, Arizona
 AB = Anna Blustein, Atlas Cataloger, University Research Library, University of California, Los Angeles, CA
 EP = The Editor (from material in hand & pub. blurbs)

ARIZONA MB

Arizona. Highways Division. Photogrammetry and Mapping Services.

Atlas of Santa Cruz County. Prepared by the Arizona Dept. of Transportation, Highways Division in cooperation with the U.S. Dept. of Transportation, Federal Highway Administration. Phoenix, Ariz., Dept. of Transportation, 1975 - Scale of maps 1:126,720 and 1:24,000.

General highway map Apache County, Arizona, 1974. Prepared ... in cooperation with the U.S. Dept. of Transportation, Federal Highway Administration. Phoenix, Ariz., 1974. Scale ca. 1:250,000.

General highway map Coconino County, Arizona. Prepared by the Arizona Dept. of Transportation, Highways Division, Photogrammetry and Mapping Services in cooperation with the U.S. Federal Highway Administration. Phoenix, 1975. Scale ca. 1:250,000.

Arizona. State Climatologist.

[Arizona climate] Prepared under the direction of the State Climatologist, the Laboratory of Climatology, Arizona State University. [Phoenix, Ariz.] Arizona Resources Information System, 1975. (Arizona Resources Information System. Cooperative publication no. 5) Scale ca. 1:3,000,000; 1 map 1:1,000,000. Contents: 1. National Weather Service stations as of March 1975.-- 2. Evaporation and evapotranspiration.-- 3. Arizona precipitation.-- 4. Solar energy.-- 5. Arizona temperatures.

Available from State Climatologist, Laboratory of Climatology, Arizona State University, Tempe, AZ 85281. [\$1.00 per sheet or \$3.00 per set of 5 maps]

Climatic regions of Arizona. Prepared under the direction of the State Climatologist, the Laboratory of Climatology, Arizona State University. Phoenix, Ariz., Arizona Resources Information System, 1976. Scale ca. 1:3M.

Available from State Climatologist, Laboratory of Climatology, Arizona State University, Tempe, AZ 85281. [\$2.00]

Druitt, Charles E

Mean annual temperature map, State of Arizona, 1976. Prepared by Charles E. Druitt. Phoenix, Ariz., Arizona Oil and Gas Conservation Commission, 1976.

Available from Arizona Oil and Gas Commission, 8686 North Central Avenue, Suite 106, Phoenix, AZ 85020.

First National Bank of Arizona, Phoenix, Ariz.

City of Casa Grande, Pinal County, Arizona. [Phoenix, Ariz.] 1975. Scale ca. 1:25,000.

Phoenix Mapping.

Yuma, Arizona aerial photograph & street map (including San Luis). Prepared for Valley National Bank Arizona Information Service. [Phoenix, Ariz.] 1976.

Available from Arizona Information Service, P.O. Box 71, Phoenix, AZ 85001.

United States. Geological Survey.

Arizona NASA ERTS-1 satellite image map, 1972-1973. Prepared and published by the U.S. Geological Survey in cooperation with the National Aeronautics and Space Administration. Experimental printing. Reston, Va., 1974. Scale 1:500,000.

CALIFORNIA

Marine Exchange of the San Francisco Bay Region.

Golden Gate Atlas. Fourth, completely revised edition. 1976.

EP

This 97-page atlas is the only regional maritime and world trade reference work for this area. It presents up-to-date detailed reports on all the shipping facilities in the region, with indexed maps for each, including the Ports of San Francisco, Oakland, Alameda, Richmond, Redwood City, Stockton, Sacramento, Benicia, and the San Pablo-Suisun Bays complex. It also highlights government and commercial shipping and world trade services, details ship anchorages, lists ocean routes, and has a cross-indexed shipowners and agencies directory.

Available at special library rate of \$1.50 net, including post and handling, from Marine Exchange, 303 World Trade Center, San Francisco, CA 94111, or call (415) 982-7788.

Robinson, John W

Trails of the Angeles ; 100 hikes in the San Gabriels / by John W. Robinson ; photos by author except as credited. -- [New revised ed. -- Berkeley [CA]: Wilderness Press, c1976.

256 p. ; ill., maps (1 fold in pocket) ; 20 cm. -- (Wilderness Press Trail Guide series). Bibliography : p. 253-254. ISEN : 911824-51-0.

1. San Gabriel Mountains. 2. Hiking - California - San Gabriel Mountains.

Western Economic Research Co.

ZIP Code Maps of California: Northern California, 24 counties; San Francisco Bay Area, 13 counties; Central California, 11 counties; Southern California, except L.A. 5-county & San Diego; Los Angeles 5-county area; San Diego County.

All maps are 30"x 42", except San Diego which is 26"x 34". All six maps are available as paper prints [at \$8.00 each] or as Mylar overlays [at \$15.00 ea.] Prices include delivery in U.S., California orders add tax.

Western Economic Research Co., 13437 Ventura Blvd., Sherman Oaks, CA 91423 or phone (213) 981-9762.

Winnett, Thomas.

Mono craters / by Thomas Winnett. - Berkeley, Calif. : Wilderness Press,
AB c1975.

88 p., [2] leaves of plates : ill. (some col.) maps (1 fold col. in pocket)
16 cm. (High Sierra hiking guide ; no. 15)

On cover: Mono craters: eastern Yosemite and the June Lake area.

Bibliography: p. 85-86. Includes index. ISBN 0-911824-16-2 : \$3.95

1. Mono Co., Calif.-Description and travel-Guide-books. 2. Hiking-
California-Mono Co. 3. Trails-Mono Co., Calif. I. Title. MARC 72-89916

NEW MEXICO

Sherman, James E

AB Ghost towns and mining camps of New Mexico [by] James E. and Barbara H.
Sherman. Maps by Jim Cooper. [1st ed]. Norman, University of Oklahoma
Press [1975]

x, 270 p. illus. 29 cm. Bibliography : p. 259-261. MARC 72-9525
ISBN 0-8061-1066-X : \$9.95 ISBN 0-8061-1106-2pbk.

1. Cities and towns, Ruined, extinct, etc.-New Mexico. 2. New Mexico-
History. I. Sherman, Barbara H., joint author. II. Title.

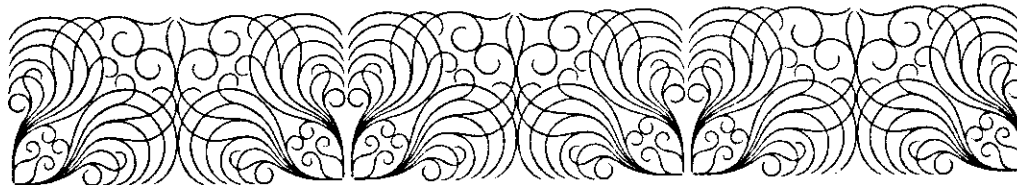
ARIZONA, COLORADO, IDAHO, MONTANA, NEW MEXICO, NORTH DAKOTA, OREGON, SOUTH DAKOTA, UTAH, WYOMING, AND EASTERN STATES.

EP The U.S. Bureau of Land Management, Office of Special Mapping, Denver,
Colorado, produces on a quarterly basis [latest indexes are dated Jan. 1,
1977] Intermediate Scale Map Index[es] for each of the above States.

Each index indicates the quad name and number, and the date of edition,
for Surface Management maps (which show patented (private) lands, Indian
lands, known state-owned lands and Federally-owned lands; the Surface-
Minerals Management edition has the extent of Federally-owned mineral
rights overprinted on the Surface edition. Scale of the maps are at
1:126,720 and 1:100,000.

Indexes indicate how to make map selection, state prices, and give the
addresses of BLM offices within the state.

Indexes available from: Bureau of Land Management ATTN: D-150
Denver Service Center
Denver Federal Center, Building 50
DENVER, CO 80225



MAP WORKSHOP TO BE OFFERED

The special workshop "Maps and the Media Center" will be offered again this summer by the Dept. of Library Science, Southern Oregon State College. The two week, 2-credit-hour course will run from 8am to 10am each day June 20-July 1, 1977. For school librarians, media specialists, teachers, geographers, and anyone interested in maps, topics will include sources of free and inexpensive maps, evaluation, cataloging/indexing, circulation/use, and the literature/reference sources. Types of maps will include historic, topographic, political, economic, recreation, navigation, aerial photographs, satellite, globes, atlases, and wall maps. Credit via Library Science 407(g), or Geography 407(g) can be applied to graduate or undergraduate programs. For information: Harold Otness, Technical Services Librarian, Southern Oregon State College Library, Ashland, Oregon 97520.

Other workshops to be offered include:

Security in Media Centers. Library Science 407(G). June 13-17. 9:00-1:00

Government Documents for the School Teacher or Media Specialist. Library Science or Social Science 407(G). June 20-July 1. 1:00-3:00

Selection and Classification of Non-Book Materials. Library Science 487(G) July 5-15. 1:00-4:00

SPECIAL LIBRARIES ASSOCIATION, GEOGRAPHY & MAP DIVISION,
CONFERENCE PROGRAM 1977, NEW YORK HILTON, NEW YORK CITY.

Mon. June 6

1-3PM Business Meeting

3-3:30 Dr. Walter Ristow, Chief, Geography & Map Division, Library of Congress: "Heirs of Eratosthenes: 40 years of Map Librarianship"

3:30-5 Professional Papers, Session I

William Easton, Illinois State University, "War Games and Maps"

Charles Seavey, University of Northern Iowa, "Maps as Documents/ Documents as Maps"

Charles Taylor, National Archives & Records Service, "So You Want to Microfilm Maps?"

Frank Swinnerton, Chief, National Cartographic Information Center, "Maps & Related Cartographic Products available from U.S.G.S."

8PM OPEN HOUSE at residence of Richard Eades Harrison (Div. Mem. only)

Tues. June 7

10:30-12 Professional Papers, Session II

Barbara Berthelsen, Cornell University, "The Sparks Maps at Cornell"

Mary Severson, Rand McNally & Co., "Map Librarianship in Private Industry: an operating example"

Roman Drazniowsky, American Geographical Society, "Status Report"

12-2 Book & Author Lunch (co-sponsored with Publishing Div.): Isaac Asimov

3-4 Professional Papers, Session III

Jean M. Ray, Southern Illinois University, "A Map Librarian's Quest for European Information Sources"

Graham Lea & James Shearer, Geosystems, "Computerized Indexing of the Institute of Geological Sciences (UK), Geological Map Coll."

Defense Mapping Agency speaker: "DMA's Map Depository Program"

4-5 "The Antiquarian Map Field: a trinity here, too"

Dealer & Collector (to be announced)

Librarian: Alexander O. Vietor, Yale University

Wed. June 8

2-3PM Henry Hope Reed, Curator, Central Park, "Central Park" (in the park)

Thu. June 9

FIELD TRIP: George Cary, Rutgers Univ; "Ethnic Neighborhoods/Manhattan"