

WISCONSIN TOPOGRAPHIC MAPPING COMMITTEE

On July 9, 1981, Mr. Larry Borgerding, Chief of the U.S. Geological Survey Mid-Continent Mapping Center met with the Wisconsin Topographic Mapping Committee to review a provisional mapping program for 7½' topographic quadrangles. This provisional mapping program will affect all areas of the United States not currently covered by the standard 15' topo quads. The provisional maps recommended by USGS could be produced at approximately 25% less cost than the standard 7½' quad. Its intent is to allow the USGS to complete the 7½' mapping scale (1:24,000) for the entire United States in the 1987-88 timeframe. Completion of the standard 7½' topo mapping program for the total United States extends past the year 2000.

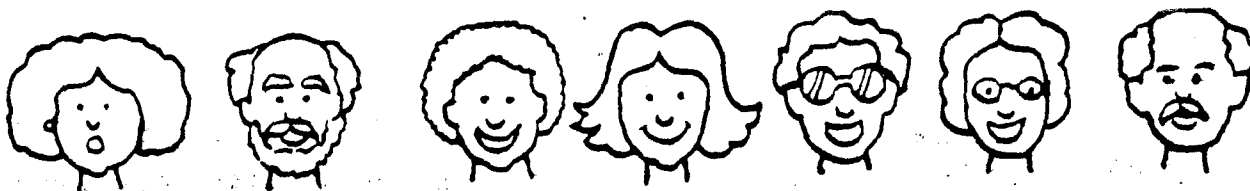
The provisional map would be printed in four colors (black, brown, red and green). No final scribing would be done other than the preparation of various tint plates (e.g., forest, city). The compilation manuscripts from the stereoplotter would be used for reproduction negatives. The printing would include miscellaneous hand-lettered labels and elevations. In summary the USGS would print a half final-drafted, half hand-compiled-lettered 7½' quad.

Since this provisional addition would apply to only 31 of the 1,155 Wisconsin 7½' topographic quads, the Committee strongly recommended to Mr. Borgerding that this provisional edition change NOT be applied to Wisconsin.

Mr. Borgerding met with state mapping groups in Michigan and Illinois. Since their programs are less than 50% complete it appears that these 2 states will have the provisional edition specifications applied to their remaining 7½' production.

A quick summary of Wisconsin's 7½' topographic mapping program follows:

a. printed maps received by the Wisconsin Geological & Natural History Survey	818	70.8%
b. currently contracted for production (in all phases)	267	23.1%
c. not yet authorized for production (as of July '81)	<u>70</u>	<u>6.1%</u>
TOTAL 7½' QUADS REQUIRED		1155 100%



READER SURVEY RESULTS

The January readership survey was highly successful. A total of 404 questionnaires (34%) out of 1190 were returned. A large portion of our readers (33%) have been with us since 1975 when we first began publishing the Bulletin. Since 1976 we have gained about 150 readers a year.

Readers said the most useful articles are on aerial photography (81%), new topographic maps (84%), new maps available (88%) and state mapping programs (75%). These types of articles, along with soil survey information, are the ones they most often used in decision making and planning. Readers usually keep their copies of the Bulletin in their own offices (65%) or in their libraries (21%). We're glad not too many people throw them away (only 8%).

Although no plans are being made to start charging for the Bulletin, we were curious to know how much people would be willing to pay for a subscription. We thought this would generally indicate how "valuable" our service is to our readers. A total of 7% would pay up to \$6.00; 22% would pay \$4.00; 32% would pay \$2.00; and 4% indicated they would probably pay something. Of the 24% who indicated they wouldn't pay for a subscription, many said they simply had little or no money for subscribing and they sincerely hoped we wouldn't begin to charge. With such a great deal of public interest and support for the Bulletin, we will certainly continue our free service for as long as possible.

More articles on surveying, tax mapping, historical maps, technical terms, and general mapping procedures and applications were requested. We will try to incorporate these features into future issues. If anyone would like to write a short article on a particular aspect of mapping we would certainly be interested in publishing it.

Many individuals sent in comments and suggestions. We thank all of you for your compliments and will take your constructive criticism into consideration in our future issues. We welcome your continued input (see following article).

READER COMMENTS

The inside of the Bulletin mailer provides our readers with a form for feedback, input and address changes. Here are two recent returns:

David Hinds, Sauk Co. Extension Resource Agent: "I find the Wisconsin Mapping Bulletin the only comprehensive source of mapping available. It keeps me completely up to date on new developments in mapping and helps to answer many questions that are received by my office. Keep up the good work!"

G.M. Eisenburg of Ernest K. Lehmann & Assoc., Minneapolis: "The Mapping Bulletin keeps our office current on available maps and air photographs necessary to our exploration and geological activities in Wisconsin and surrounding states. We have no other consolidated source for this type of information. Keep up the good work!"

It certainly is nice to be appreciated! Thank you!

Elsewhere in this issue are news items submitted by readers. Please keep us informed of your programs, new products and upcoming events.

CR, editor

COMING EVENTS



SOUTHERN LAKE MICHIGAN SECTION, ACSM

On August 7, 1981 the Southern Lake Michigan Section of the American Congress on Surveying and Mapping is holding a quarterly meeting in Madison. It will be held at the Wisconsin Department of Transportation and Hoffman House-West.

The program consists of:

- 2:00-4:30 Tour of D.O.T. Special Services
 - Stereocompilation group
 - Photocompilation group
 - Ground Control group
- 4:45-5:30 Business meeting--Brothers Room, Hoffman House-West (two blocks from D.O.T.)
- 5:30-6:30 Cocktail hour (cash bar)
- 6:30-7:30 Dinner (reservation required)
- 7:45-8:30 Speaker: Prof. Phil Muehrcke, U.W. Geography Dept., Director-Cartographic Lab and author of Map Use. His topic is "Finding an Honest Map".

The public is invited. For dinner reservations contact Christine Reinhard, Program Coordinator at 608/262-3065.

NORTH AMERICAN CARTOGRAPHIC INFORMATION SOCIETY

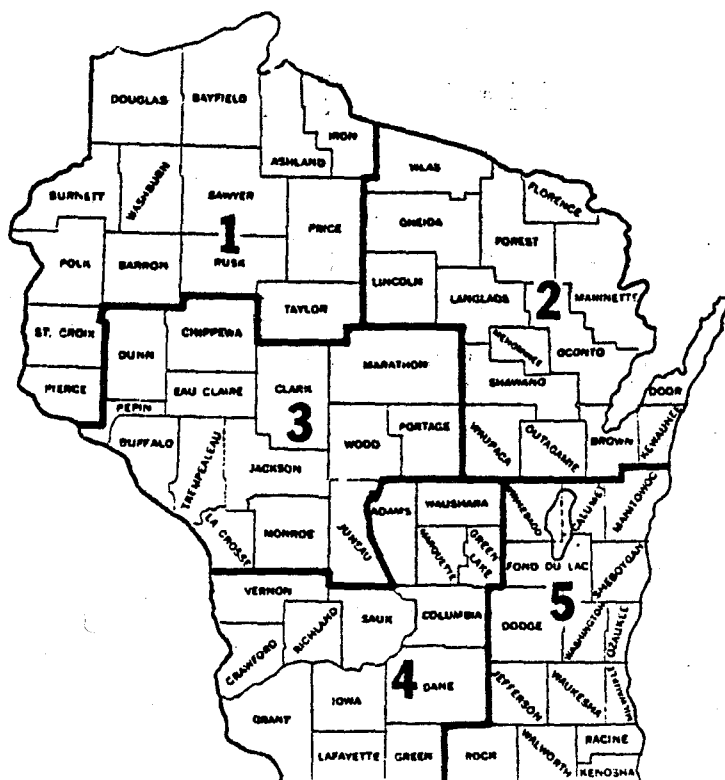
On Sept. 30-Oct. 3, 1981, NACIS will hold its 1st annual meeting at the Sheraton Hotel, Gatlinburg, Tennessee. NACIS was formed to: "promote communication, coordination, and cooperation among the producers, disseminators, curators and users of cartographic information...." This 1st annual meeting will consist of technical and business sessions, speakers, tours of cartographic facilities, and informal information exchange events. For further information contact: Donald Daidone, Newman Library, Virginia Tech, Blacksburg, Virginia 24061, 703/961-6131 or Christine Reinhard, 144 Science Hall, Madison, WI 53706, 608/262-3065. Anyone involved with map information is urged to attend.

ASP-ACSM FALL TECHNICAL MEETING

The theme of the American Society of Photogrammetry--Am. Congress on Surveying and Mapping's meeting (Sept. 9-11, San Francisco, Sept. 14-16, Honolulu) is "80's Era of Change". A variety of informative sessions, technical workshops, tours and two floors of exhibits will be offered. For more information contact Lee W. Aggers, U.S.G.S., 345 Middlefield Road, M/S 31, Menlo Park, CA 94025.

COUNTY REAL PROPERTY LISTER ASSN.

Their 29th Annual State Convention is being held at the Radisson Hotel in La Crosse on Sept. 16-18, 1981. The Conference theme is "New Dimensions-Challenges of the Future." They will be re-districting from three to five statewide districts (see following map). For more information contact Jeff Bluske, Convention Host, at the Land Title and Mapping Dept., Room 105, La Crosse County Courthouse, 400 North 4th Street, La Crosse, WI 54601, 608/785-9637. (continued on next page)



Real Property Lister Districts

source: Jeff Bluske

GREAT LAKES ENVIRONMENTAL INFORMATION SHARING VIII

The annual conference will be held September 16-18 in Cincinnati, Ohio. It serves as a means for individuals working in environmental information facilities to share resources and exchange information. Conference sessions on the 17th will convene at the U.S. EPA Auditorium and on the 18th at the Netherland Hilton Hotel. Environmental information specialists from governmental, academic, commercial and non-profit organizations are welcome to participate in the GLEIS meeting. For further information contact JoAnn Johnson, U.S. EPA Library, 26 W. St. Claire, Cincinnati, OH 45268, 513/684-7701.

MULTIPURPOSE CADASTRE

The seminar on multipurpose cadastre of the Wisconsin Society of Land Surveyors is definitely scheduled for October 23rd and 24th at the Marriott Inn in Brookfield, WI. No agenda or schedule of events was available at the time this Bulletin went to press. The WSLS is co-sponsoring the seminar with the Am. Congress on Surveying and Mapping. For more information contact your local Wisconsin land surveyor who is a member of WSLS, or Harold Charlier at 414/549-1533.

UW-EXT. DEPT. OF ENGINEERING

The UW-Extension Dept. of Engineering has announced a Value Engineering Professional Development Program consisting of 8 special courses, 4 independent study courses, a new Value Engineering Specialist diploma program and a travelling classroom. The special courses begin in Madison in September. For more information contact: Value Engineering Programs, Dept. of Engineering, UW-Extension, 432 N. Lake St., Madison, WI 53706, 608/262-2061.

ASP-ACSM SECTIONAL TECHNICAL CONFERENCE

The Western Great Lakes Region of the American Society of Photogrammetry and the Southern Lake Michigan Section of the American Congress of Surveying and Mapping are sponsoring a joint two-day technical conference on November 13 and 14, 1981 in the Chicago metropolitan area. (continued on next page)

The program will appeal to a broad spectrum of professionals, academicians, and students. On the agenda are speakers from the National Geodetic Survey, the Defense Mapping Agency, the United States Geological Survey, the EROS Data Center, several universities, local government agencies, and businesses. Joel Morrison, National President of ACSM, and George Zarzycki, National President of ASP, will be featured speakers.

The cost is \$3.50 for students and \$10.00 for all others who pre-register. Meals are extra. For a detailed agenda and registration form write or call: Charles O' Connor, Bureau of Maps and Plats, City of Chicago, 121 N. LaSalle St., Chicago, IL 60602 (312/744-4996), or Ronald Lampe, Chicago Aerial Survey, 2140 S. Wolf Road, DesPlaines, IL 60018 (312/298-1480).

ACADEMY OF INFORMATION & PLANNING

The Academy of Information and Planning organized its first luncheon seminar in April of 1980. Since that time it has been meeting monthly, usually on the last Wednesday of the month. It offers programs of interest to those who acquire or create planning information. The Academy of Information and Planning luncheons are held at various locations in downtown Chicago. For information on the locations and agendas for upcoming meetings contact Robert Lima at 312/848-3232.

SECOND INTERNATIONAL CONFERENCE ON GEOLOGICAL INFORMATION

This conference will be held May 24-28, 1982 at the Colorado School of Mines, Golden, Colorado. There will be technical sessions covering all aspects of geoscience information (including maps) and field trips to national and international geoscience information centers located in the Denver area. For more information, or to receive the First Circular, contact Dederick C. Ward, Geology Library, University of Illinois at Urbana-Champaign, 223 National History Bldg., Urbana, IL 61801.



ACSM AND BLM

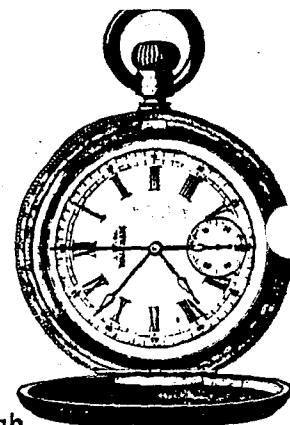
A Memorandum of Understanding between the American Congress on Surveying and Mapping (ACSM) and the Bureau of Land Management (BLM) was signed on January 30, 1981 calling for a cooperative program of workshops on cadastral surveying.

The purpose of the agreement is to help improve the surveyors' knowledge of the Public Land System and Federal Survey Law.

Under the terms of the agreement, BLM will provide the instruction while ACSM will make all the arrangements for presentation, pay the costs, and assume the financial risks. Continuing Education Units (CEU's) will be awarded to participants for completion of the courses.

Marshall W. Davies, Education Director, ACSM, and Jerry Ives, of BLM's Service Center, said that the first course is being planned for June 1981. (*see coming events, multipurpose cadastre*)

UPDATES



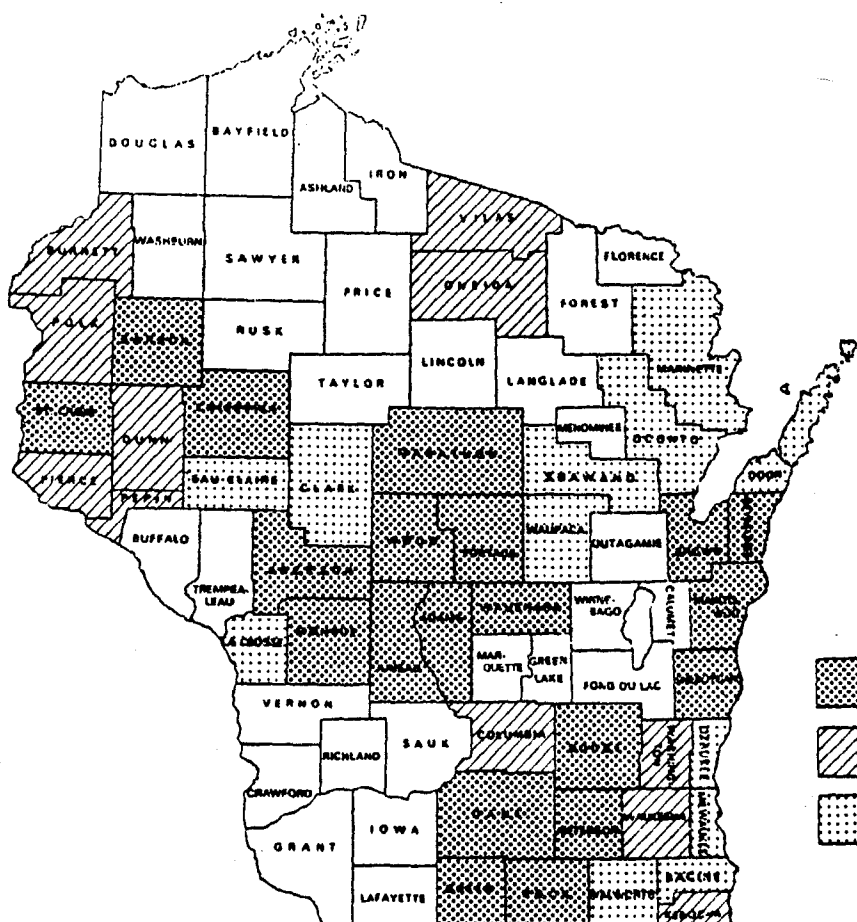
NATIONAL GAZETTEER (v. 7, no. 2, p. 7)

As reported in the Bulletin, the U.S. Geological Survey and the U.S. Board of Geographic names are preparing state gazetteers listing feature and place names shown on 7½' topographic quads. The Wisconsin volume, as of June 10, 1981, is through the edit stage and awaiting final update and formatting. Based on the production pipeline experiences of other states, the final Wisconsin volume can be expected within 6 months.




WETLANDS MAPPING STATUS (v. 7, no. 1, p. 3)

The following graphic illustrates the current status of wetlands mapping by the Department of Natural Resources (DNR). Mapping is available for 20 counties. An additional 23 counties are scheduled to be completed by the end of this calendar year. The Southeastern Wisconsin Regional Planning Commission is under contract with the DNR for wetlands interpretation of their regional area. The Commission expects to complete their 7-county area by January 1, 1982.

Preliminary wetlands maps have been sent to 16 counties under DNR regulation 115 for county input. The counties are: Dane, Dodge, Sheboygan, Manitowoc, Kewaunee, Brown, Juneau, Adams, Monroe, Wood, Portage, Waushara, Marathon, Barron, Chippewa and St. Croix. The DNR anticipates releasing preliminary maps for another 20 counties by the end of 1981. For more information contact Steve Fix, DNR, 101 S. Webster, Madison, WI 53702, 608/266-8852.



WETLANDS MAPPING
IN
WISCONSIN

-  available
-  in progress
-  scheduled for completion in 1981

(continued on next page)

UPDATES, CONTINUED

DEVELOPMENTAL MAPPING HANDBOOK (v. 7, no. 2, p. 10)

The office handbook Production of Prototype County Maps at 1:100,000 Scale has been distributed to all county offices and regional planning commissions. This 60-page manual describes how to convert map reproducible plates (separations) available from the U.S. Geological Survey into various county mapping formats. Four multicolored map samples are included in the handbook.

Since we printed the handbook, the U.S. Geological Survey made several important changes in the map separations numbering system for the 1:100,000-scale map series. On pages 5 and 6 and in table 2 on page 30, the following change should be made by current holders of our manuals.

Separations: 015 is now Built Up Area Tint
016 is now Secondary Roads, Class 3, 4 & 5 (not including state or federal highways)
023 is now Public Land Survey Lines

A limited number of this handbook are still available for distribution. If you would like a copy please submit your request in writing to the State Cartographer's Office.

WISCONSIN REMOTE SENSING APPLICATIONS PROJECT (v. 5, no. 4, supplement p. 6)

This past spring the Institute for Environmental Studies of the University of Wisconsin-Madison held a series of workshops and training sessions as described in the October 1980 Bulletin. Approximately 100 people from various state, regional, public service and local government organizations attended the sessions. The Institute is now considering Remote Sensing Applications Projects to demonstrate the use of LANDSAT and high-altitude photography. The following proposals were submitted:

1. Inventory of irrigated lands in Portage County, Wisconsin;
2. Evaluation of watershed land use and lake quality trends in northern Wisconsin;
3. Location of bedrock crevices beneath shallow soils in northeastern Wisconsin;
4. Statewide mapping for farmland preservation.

The State Cartographer's Office would appreciate comments from readers on these proposed projects or any other project applicable to high-altitude photography or LANDSAT data interpretation. Please address your comments to Art Ziegler.



We have just been informed that Ms. Jeanne Storm has been appointed director of the Plat Review Section in the Department of Development replacing Bob Chittenden. Ms. Storm's number is (608) 266-3200. Mr. Chittenden now resides in Nekoosa.

NEWS FROM CENSUS

MAPS

1980 census maps showing block, tract, enumeration district, and place boundaries now are available. They do not show urbanized area boundaries but they do indicate some of the census designated places which may be deleted from the final 1980 census maps.

Currently these maps are only being sold on a package basis for individual States, standard metropolitan statistical areas (SMSA's), and counties. Each package for an individual area may include any one or all of the following types of maps: 1) county, 2) place, 3) place and vicinity, and 4) metropolitan/vicinity map series.

The cost of diazo paper prints of the maps for Wisconsin is \$1,439.64. A \$30 handling charge is to be added to each order. For information about specific maps, or for prices on SMSA or county maps in the series, contact: Data User Services Division, Customer Services (maps), Bureau of the Census, Washington, D.C. 20233, telephone 301/449-1600.

FINAL POPULATION AND HOUSING UNIT COUNTS

These reports present final official population and housing unit counts from the 1980 census and for 1970. The reports show population and housing unit counts for the following areas or their equivalents: State, counties, county sub-divisions, incorporated places, census designated places, standard metropolitan statistical areas (SMSA's) and congressional districts of the 96th Congress.

The Wisconsin volume is Report No. 51 and costs .85¢. Make check or money order payable to: SUPERINTENDENT OF DOCUMENTS, and mail to the Bureau of the Census, (address above).

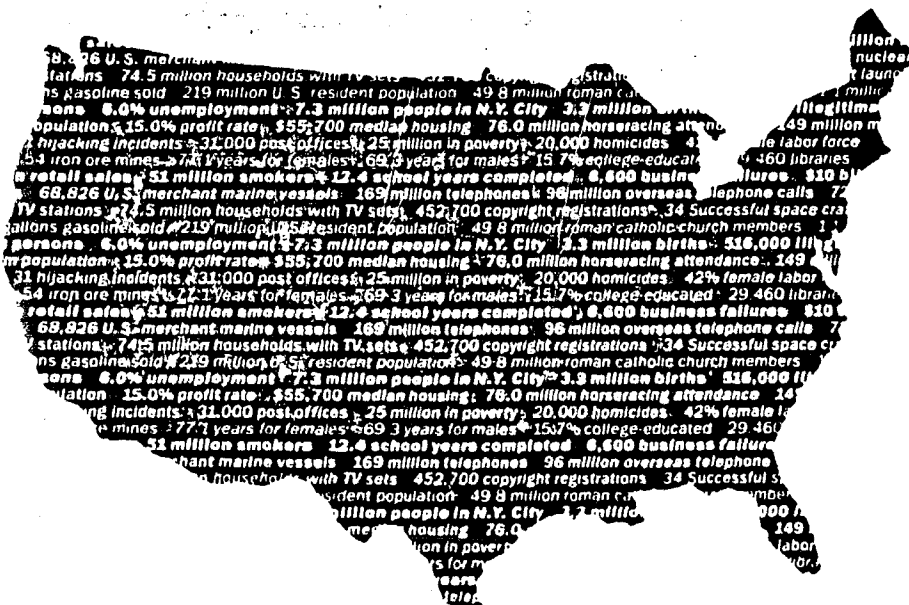
STATE AND METROPOLITAN AREA DATA BOOK 1979

This is the first in a new series of books showing data for the United States, states and metropolitan areas, to be issued biennially. It is an indispensable reference tool for market researchers, business analysts, legislators, social scientists, planners, administrators, teachers, librarians, and others. The stock number is 003-024-01638-9; 630 pages (paper) at \$12 (also available on microfiche). Order from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.

POCKET DATA BOOK, USA 1979

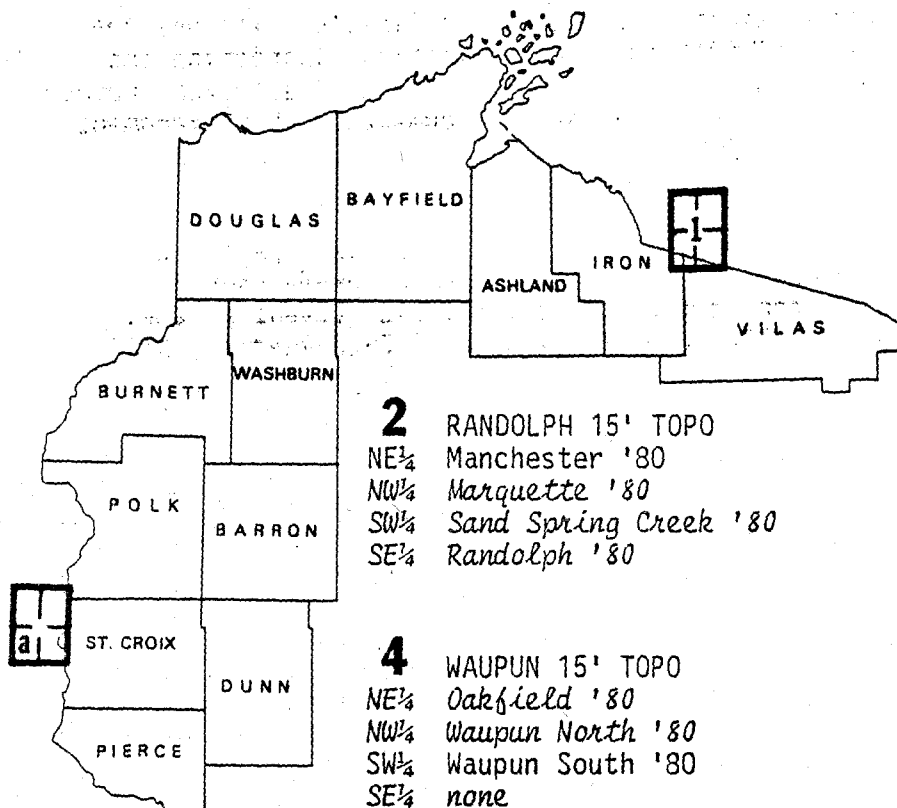
This Census publication is the sixth edition in their continuing series of popular, compact and portable reference books. Charts and summary text are featured.

Order stock number 003-024-02682-1 from the Superintendent of Documents (address above).



NEW PRODUCTION FROM U.S. GEOLOGICAL SURVEY

These newly published 7½' topographic quadrangle maps (1:24,000) are listed by their location on the superseded 15' topographic map of the area. They are available from the Wisconsin Geological Survey, 1815 University Ave., Madison, WI 53706 (608) 263-7389. Topographic quadrangles are \$1.50 each.



1 LITTLE GIRLS POINT 15' TOPO
NE¼ none
NW¼ none
SW¼ Oronto Bay '80
SE¼ Little Girls Point '80

2 RANDOLPH 15' TOPO
NE¼ Manchester '80
NW¼ Marquette '80
SW¼ Sand Spring Creek '80
SE¼ Randolph '80

3 FOX LAKE 15' TOPO
NE¼ Brandon '80
NW¼ Markesan '80
SW¼ Fox Lake '80
SE¼ Buckhorn Corner '80

4 WAUPUN 15' TOPO
NE¼ Oakfield '80
NW¼ Waupun North '80
SW¼ Waupun South '80
SE¼ none

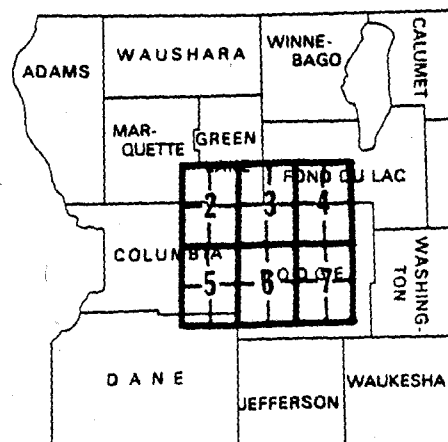
5 COLUMBUS 15' TOPO
NE¼ Fall River '80
NW¼ Rio '80
SW¼ North Bristol '80
SE¼ Columbus '80

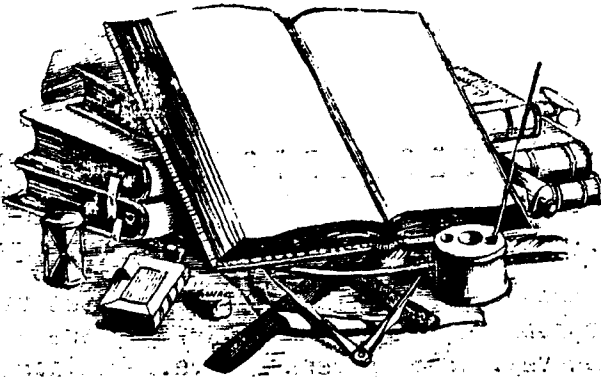
6 BEAVER DAM 15' TOPO
NE¼ Beaver Dam '80
NW¼ Lost Lake '80
SW¼ Astico '80
SE¼ Reeseville '80

7 HORICON 15' TOPO
NE¼ Mayville South '80
NW¼ Horicon '80
SW¼ Clyman '80
SE¼ Hustisford '80

PHOTOREVISED 7½' TOPOGRAPHIC QUADS
a Stillwater, 1977 PR '80

NOTE: Order 7½' quads by name, NOT by the index number or letter used here for location.





PUBLICATIONS

OF

INTEREST

EXAMINATION OF DISTANCE MEASURING DEVICES

This manual for State and local weights and measures officials describes the devices to be tested, testing equipment and its calibration, inspection and testing procedures, and a reporting system. 1980, 54 pages, illus. Stock number 003-003-02276-4. Order from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 for \$3.75.

WISCONSIN SOCIETY OF LAND SURVEYORS NEWSLETTER

The Newsletter is WSLs's official publication. It is published periodically for its membership and for the betterment of the surveying profession. Contact Harold Charlier (WSLS Secretary and Editor) at 2935 Coventry Lane, Waukesha, WI 53186 for more information. (submitted by Fred Zietlow, WSLs Vice-President)

REPORT FOUR--METES AND BOUNDS DESCRIPTIONS

By Jesse E. Fant, Alver R. Freeman and Carlisle Madson. REPORT FOUR, initially published as a reference book for land surveyors, is also an excellent reference book for attorneys, title insurance companies, abstractors and others who create real property descriptions, or evaluate the quality of an existing description. REPORT FOUR provides the basic style and technical definitions needed for most types of property descriptions. The new 1980 revised hard-cover edition is now available at a cost of \$21.10 plus \$1.50 for postage and handling. Make checks payable to: Alver R. Freeman and send to him at 8315 Dupont Avenue South, Minneapolis, MN 55420.

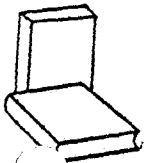
ILLINOIS MAPNOTES

The goals of Illinois Mapnotes are to promote a dialogue on state-wide needs and priorities for spatial data and data handling systems and to promote communication among producers and users of spatial data. Two issues are planned during the initial year of the newsletter. It will then become a quarterly. To receive this free publication, contact "Illinois Mapnotes" Laboratory for Cartography and Spatial Analysis, Department of Geography, Northern Illinois University, DeKalb, IL 60115.

PLANNING FOR NATURAL AND PHYSICAL RESOURCES DATA COLLECTION BY WISCONSIN STATE GOVERNMENT

This is a summary plan (64 pages) for improving Wisconsin's natural and physical resources data activities and organization. The Department of Administration, responding to the directive in Wisconsin Statute 16.967, examined how state and federal agencies in Wisconsin collect and finance natural resource data collection. The plan's primary use is to improve the cost-effectiveness of statewide resource data collection programs and, through inter-agency coordination, expand the usefulness of data that is collected, displayed and stored by state agencies.

(continued on next page)



PUBLICATIONS, CONTINUED

Three technical reports also are available that detail the project's findings by program. Selected resource data standards are appended to the summary plan. For additional information regarding the summary plan, please contact Craig Adams 608/266-2125 or Barbara Larsen 608/266-6851 at Department of Administration, Division of State Executive Budget and Planning, 101 South Webster Street, P.O. Box 7864, Madison, WI 53707.

REMOTE SENSING BIBLIOGRAPHIES

Doctoral Dissertations Pertaining to Remote Sensing and Photogrammetry: A Selected Bibliography

This bibliography lists doctoral dissertations pertaining to remote sensing and photogrammetry written in the United States and Canada between 1945 and 1980. Over 300 dissertations from approximately 75 colleges and university are included. It appeared in Photogrammetric Engineering and Remote Sensing, Vol. 47, No. 5, May 1981, pp. 617-629. Reprints of the article are available from the author, Bob Merideth (address below).

Bibliography of Thesis Pertaining to Remote Sensing and Related Topics at the University of Wisconsin-Madison

This 1981 list contains 65 Masters and Doctoral Theses pertaining to remote sensing, airphoto interpretation, photogrammetry, and geo-information systems. Each entry contains the author's name, thesis title, type of thesis, department or program, year, number of pages, major professor, and the University of Wisconsin-Madison Memorial Library call number. Bob Merideth is the compiler (address below).

Bibliographies on Land Use Planning with Emphasis on Remote Sensing, Airphoto Interpretation, Cartography, and Computer Data Bases

This 4-page list includes selected bibliographies on land use planning and environmental management with emphasis on remote sensing, airphoto interpretation, cartography, and computer data bases. It was published in June 1981. All three of these bibliographies are available from Robert W. Merideth Jr., Environmental Remote Sensing Center, U.W.-Madison, Madison, WI 53706.

MAGNETIC FIELD MODELS

The National Geophysical and Solar-Terrestrial Data Center (NGSDC) has recently issued a flier which summarizes the availability of magnetic field models. These mathematical models have been developed to deal with the variations in the earth's main magnetic field. This flier is available from the EDIS/NGSDC (D62), 325 Broadway, Boulder, CO 80303, 303/497-6478. Ask for flier #81-TGB-18.

CHECKLIST OF PRINTED MAPS OF THE MIDDLE WEST TO 1900: WISCONSIN

The map collections of many libraries were searched for pre-1900 maps of Wisconsin by Michael J. Fox and Elizabeth Singer Maule of the State Historical Society of Wisconsin. The list is particularly complete for bird's-eye views and land ownership maps. Robert Karrow of the Herman Dunlap Smith Center for the History of Cartography at the Newberry Library was the general editor. The Wisconsin volume (1981) is the sixth in the series published by G.K. Hall & Co. The price of \$85.00 makes it prohibitive for personal purchase. Your public or local university library may have it in the reference section.

NEW MAPS AND AERIAL PHOTOGRAPHY

GROUND-WATER-QUALITY ATLAS OF WISCONSIN

This report by Phil A. Kammerer, Jr. of the U.S. Geological Survey summarizes water quality data for 2,443 single-aquifer wells. The data for dissolved solids and minerals are given by aquifer and by county on colored maps at a scale of 1" = 52 miles. The 36-page report contains 39 maps of this type. This atlas is Information Circular 39 of the Wisconsin Geological Survey, 1815 University Ave., Madison, WI 53706. It's cost is \$5.00.

WISCONSIN MINERAL DEVELOPMENT ATLAS

The Wisconsin Geological and Natural History Survey has produced the Wisconsin Mineral Development Atlas. The Atlas shows where zinc and lead exploration have occurred in Grant, Iowa, and Lafayette Counties. The Atlas consists of 1,138 maps (scale 1 inch = 200 feet) and includes data from as far back as the 1800's. Well logs accompany the maps. Data are added to the maps as they are acquired. Because the amount of data is overwhelming, the WG&NHS plan to eventually computerize the Atlas to make the information more accessible.

The Atlas was compiled with the cooperation of the WG&NHS, USGS, U.S. Bureau of Mines and mining companies. At present, two copies of the Atlas are available. One is at the WG&NHS office in Madison and the other is at a Survey branch office at the Univ. of Wisconsin in Platteville.

U.S.G.S. OPEN-FILE REPORTS

Microfiche and black-and-white paper copies of the following reports may be obtained from the Open-File Services Section (OFSS), Western Distribution Branch, U.S. Geological Survey, Box 25425, Federal Center, Denver, CO 80225 (telephone: 303-234-5888). When ordering, please use the open-file number and full title. Check or money order, in exact amount for open-file reports ordered, should be payable to U.S. Geological Survey. Prepayment is required.

FLOOD-PLAIN AREAS OF THE MISSISSIPPI RIVER, MILE 866.8 TO MILE 888.0 MINNESOTA, by G.H. Carlson and L.C. Guetzkow. 11 over-size sheets. Microfiche \$5.50; paper copy \$19.75, Water-Resources Investigations, Open-File Rpt. No. 80-0972.

MAP OF THE UNITED STATES SHOWING DISTANCES FROM URBAN AREAS HAVING POPULATIONS GREATER THAN 2,500, by J.B. Epstein, 1 over-size sheet, scale 1:7,500,000 (1 inch = about 118 miles). Microfiche 50¢; paper copy \$1.75, Open-File Rpt. No. 81-0157.

1:100,000 METRIC TOPO MAP

The SOLON SPRINGS 1980 1:100,000-scale (intermediate), metric topographic map is now available from the U.S. Geological Survey. Each intermediate-scale map is prepared on a 30' x 60' format. Solon Springs is the SW $\frac{1}{4}$ of the Ashland 1:250,000. It's printed on a 24" x 40" sheet; the contour interval is 10 meters; the cost is \$2.00. Order from the Eastern Distribution Branch, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

BEDROCK GEOLOGY OF WISCONSIN

This is a full-color, page-size map of the bedrock geology of Wisconsin. The Precambrian area in north-central Wisconsin is shown in much greater detail on this April 1981 map than on the superceded 1971 map. It's available from the Wisconsin Geological Survey, 1815 University Ave., Madison, WI 53706 for \$.25.

NEW MAPS AND AIR PHOTOS, CONTINUED

SW WISCONSIN FARMLAND MAPS

As part of the Southwestern Wisconsin Planning Commission's farmland preservation planning effort, the following maps (most in color) have been prepared for each township in their 5-county planning area:

Agricultural Soils (prime, statewide, local)
Steep Topography (>20% slopes)
Land-Use (developed land use, 1979/80 data)
Woodlands & Wetlands (woodlands from 1978/79 air photos)
Parcel Lines & Ownership (1978/79/80)

These maps are at the following scales:

<u>COUNTIES</u>	<u>SCALE</u>
Iowa	1" = 1000'
Richland	1" = 1000'
Grant	1" = 2000'
Green	1" = 2000'
LaFayette	1" = 2000'

These one-of-a-kind maps were prepared using prints of soils maps and U.S.G.S. derived bases. They can be viewed at the SWWRPC office, 426 Karrmann Library, Platteville, WI 53818.

source: Steven Hoffland, SWWRPC Farmland Preservation Planner



EAST CENTRAL WIS. PHOTOGRAPHY

The 1980 aerial photography flown by the East Central Wisconsin Regional Planning Commission is available to the public. The foliage-free prints are at a scale of 1" = 400' and each covers a area of four square miles. Coverage is available for:

Calumet	Shawano
Fond du Lac	Waupaca
Green Lake	Waushara
Marquette	Winnebago
Outagamie	

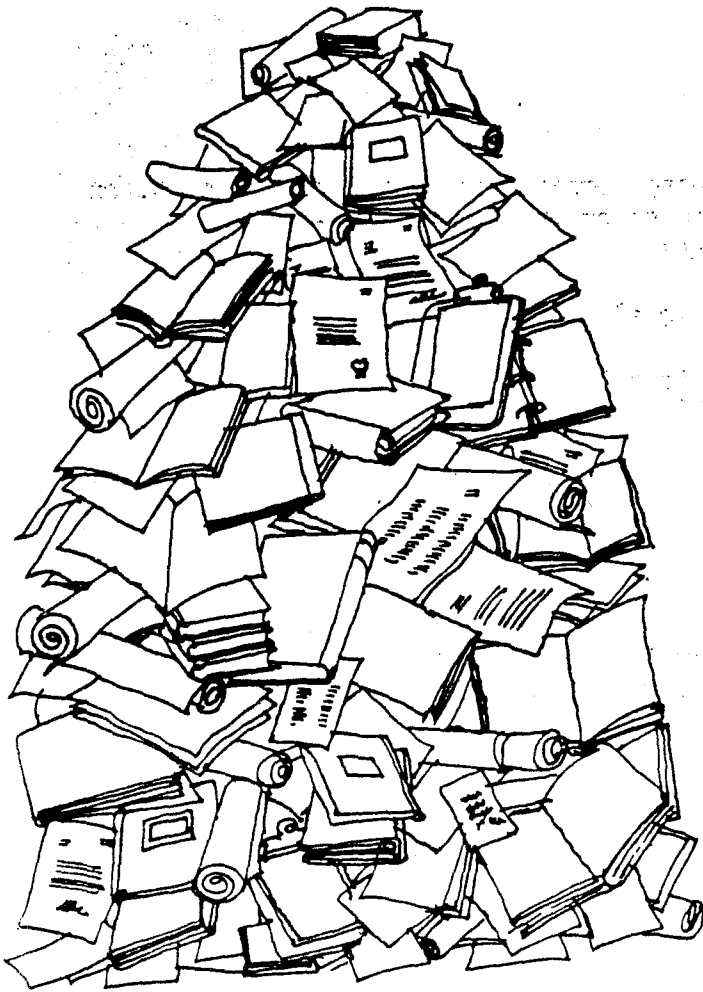
Contact the ECWRPC, Cartographics Section, 140 Main Street, Menasha, WI 54952, 414/729-1100.

source: ECWRPC

CARTOGRAPHIC DATA

ACQUISITION IN

WISCONSIN



In January 1981, the State Cartographer's Office, after review and approval by the Committee on State Cartography, submitted a proposal to the U.S. Department of Interior, Geological Survey (USGS) National Cartographic Information Center for a cooperative program entitled "Cartographic Data Acquisition in the State of Wisconsin".

The object of our proposal to USGS is to locate, inventory and index the cartographic holdings of county, regional and major municipal offices in the state. This collected information will be processed onto encoding sheets for entry into the National Cartographic Information Center's (NCIC) computerized cartographic catalog. At the same time the inventory's

format will be modified to be compatible with the format of the State Cartographer's Office union catalog. The development of a union catalog is specified by statute 36.25 (12m) (a) "Establish and maintain a union catalog of current and historical reference and thematic maps of all scales available in municipal, county, state and federal agencies relating to this state."

Under the proposal the USGS would cooperatively fund 50% of the cost of this data acquisition. Currently the office has a Project Assistant preparing technical manuals, a glossary and encoding procedures. A trial test of these materials was run in Jefferson County in June 1981. It is planned, that beginning in August or September, a representative of this office will visit local and regional government offices and collect information on their cartographic holdings. The eventual completion of this project will provide this state with a complete collection of cartographic data in a union catalog with automated options for retrieval and dissemination. As this project progresses the Bulletin will keep you informed of its status.

For more information contact Ms. Wendy Ormont, Inventory Coordinator, State Cartographer's Office, 608/262-3065.



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