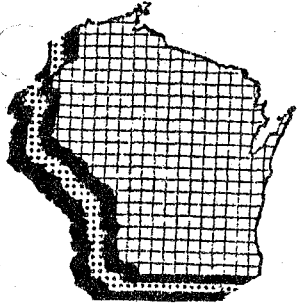


# Wisconsin Mapping Bulletin

Volume 2, No.4

Oct. 1976

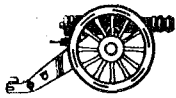


Information on Cartographic activities and Aerial Photographic coverage in the State of Wisconsin; published periodically by the State Cartographer's Office, 144 Science Hall, University of Wisconsin, Madison, Wisconsin 53706.

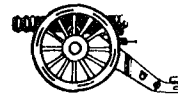
---

## ★ FIRST METRIC MAP ★

The first metric map was recorded in Wisconsin March 4, 1976. The Wisconsin Public Service Corp. filed a certified survey map and deed with metric measurements in the Portage County Register of Deed's Office. The map marks the beginning of the eventual conversion to the metric system. Until that time however the measurements will be converted to the English system in order to be compatible with the other records in the Portage County offices.



## QUADRANGLE PRICE INCREASE



The Wisconsin Geological Survey is now selling 7½' and 15' topographic quadrangle maps for \$1.50. All other prices as noted in the July Bulletin remain the same.



## WISCONSIN SOCIETY OF LAND SURVEYORS FILM

An excellent film "The Land Surveyor and You" has been prepared by the Wisconsin Society of Land Surveyors with support of several other professional organizations. On September 16th the film was shown at the annual convention at Elkhorn of the Wisconsin Tax Listers, who supported its production. It received enthusiastic plaudits.

The color film, professionally prepared, describes in a clear, concise manner the history and current practices of land surveying. The film is available for free showings to groups or organizations. Contact your local surveyor who is a member of the Society for particulars.

Congratulations to the Society and their supporters on this endeavor, considered to be the first public oriented surveying film in the country.

---

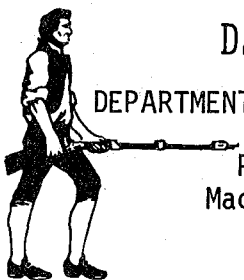
## D.N.R. AND D.O.T. ADDRESS CHANGES

DEPARTMENT OF NATURAL RESOURCES

P.O. Box 7921  
Madison, WI 53707

DEPARTMENT OF TRANSPORTATION

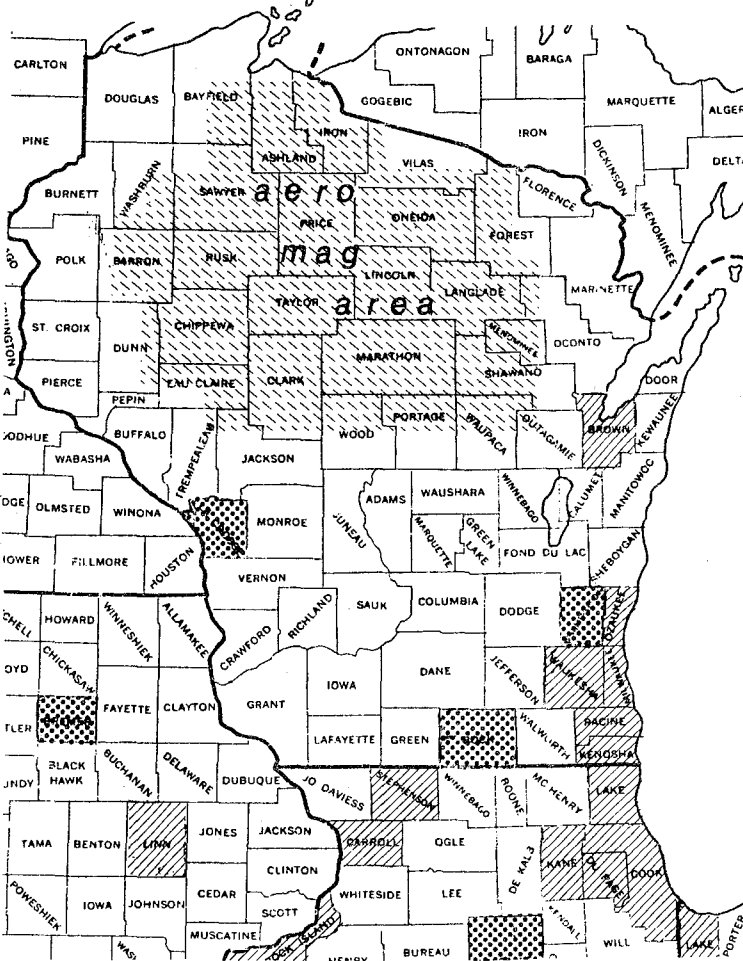
Engineering Services Section      Document Sales  
P.O. Box 7916                              P.O. Box 7426  
Madison, WI 53707                        Madison, WI 53707



# WISCONSIN AEROMAGNETIC SURVEY MAPS

The Wisconsin Geological and Natural History Survey, in cooperation with the Department of Physics, University of Wisconsin-Oshkosh, has announced the availability of aeromagnetic maps for a large portion of the north central area of the state. The computer drawn maps indicate variations in magnetic intensity as determined by an airborne survey flown at an elevation of 500 feet above the land surface along north-south lines spaced one-half mile apart. They are used primarily to help determine the distribution of rock formations in the bedrock surface and thus act as a guide in the search for mineral deposits.



A detailed index of available maps may be obtained from the Survey on request. Diazo paper and plastic copies of individual maps are available at one or more of the scales 1:24,000, 1:48,000 and 1:62,500. Copies may be purchased pre-paid at a cost of \$1.00 for paper and \$2.50 for plastic from the Wisconsin Geological and Natural History Survey, 1815 University Ave., Madison, WI 53706. Sales tax is included. Plastic maps are designed to be used as overlays to standard topographic and planimetric quadrangle maps which can be purchased from the Survey.



## NEW FROM U.S.G.S.

1:100,000 Scale  
COUNTY FORMAT MAPS

Status of Products Available  
July 1, 1976

-  Production Authorized  
No Copy Available
-  Advanced Planimetric  
Copy Available  
(No Contours)

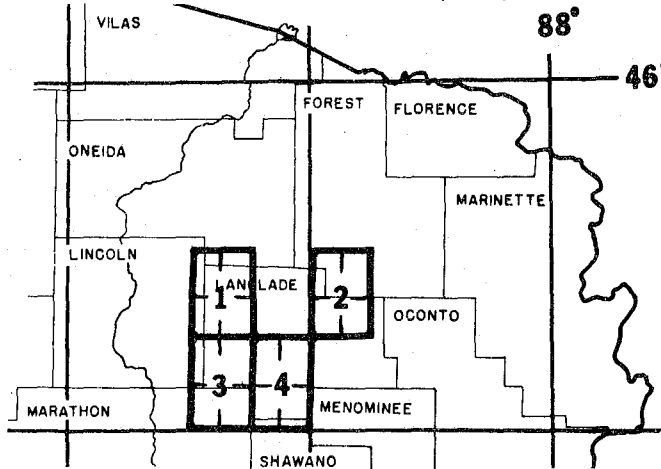
Advance material should be  
ordered from the following  
address:

Mid-Continent Mapping Center  
U.S. Geological Survey  
1400 Independence Road  
(314) 364-3680 Ext. 107

The U.S. Geological Survey County Map Series at a scale of 1:100,000 (1" = 1.578 mile) will be comparable in detail to the 15' quad, 1:62,500 scale Topographic Series. Initially only Planimetric (no contours) editions will be produced, however all sheets will eventually have contours and a metric interval is being considered. In their production the Survey is using a multiple drafting-separation technique to allow county requestors the widest latitude in ordering the reproduction copy they may require.

# NEW PRODUCTION FROM U.S. GEOLOGICAL SURVEY

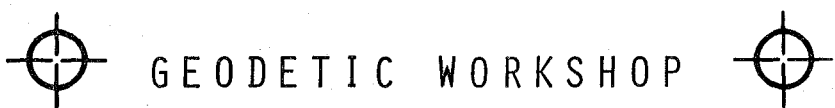
These newly published 7½' topographic quadrangle maps (1:24,000) are listed by their location on the superseded 15' topographic or planimetric map of the area. They are available from the Wisconsin Geological Survey, 1815 University Ave., Madison, WI 53706 (608) 262-0586. Topographic quadrangles \$1.50.



- |  |   |
|--|---|
| <p><b>1</b> PARRISH 15' PLAN</p> <p>NE¼ Enterprise '73</p> <p>NW¼ Parrish '73</p> <p>SW¼ Gleason '73</p> <p>SE¼ Bavaria '73</p>  | <p><b>2</b> LILY 15' PLAN</p> <p>NE¼ Roberts Lake '73</p> <p>NW¼ Mole Lake '73</p> <p>SW¼ None</p> <p>SE¼ None</p>      |
| <p><b>3</b> DOERING 15' PLAN</p> <p>NE¼ Black Brook '73</p> <p>NW¼ Doering '73</p> <p>SW¼ Kalinke '73</p> <p>SE¼ Hogarty '73</p> | <p><b>4</b> ANTIGO 15' PLAN</p> <p>NE¼ Bryant '73</p> <p>NW¼ Antigo '73</p> <p>SW¼ Aniwa '73</p> <p>SE¼ Mattoon '73</p> |

## 90° WEST LAKES DIVISION --- A.A.G. MEETING

The West Lakes Division will hold its annual meeting of the Association of American Geographers at the University of Northern Iowa, Cedar Falls, IA on October 28, 29, and 30, 1976. In addition to a wide variety of topics being presented, Professor Richard E. Dahlberg, Chairman, Geography Department, Northern Illinois University will host a panel discussion on the METRIC CONVERSION OF THE NATIONAL MAPPING PROGRAM. Representatives of Illinois, Iowa, Minnesota, Wisconsin and the U.S. Geological Survey are scheduled to be on the panel which will make its presentation on Friday the 29th of October.



AMERICAN CONGRESS ON SURVEYING AND MAPPING - NATIONAL GEODETTIC SURVEY  
SURVEYING INSTRUMENTATION AND COORDINATE COMPUTATION WORKSHOP

When: January 27-29, 1977  
 Where: Sheraton Park Inn, N.W., Brooklyn Park (Minneapolis) MN  
 Cosponsor: Minnesota Land Surveyors Association  
 Contact: Donald W. Schmidt, Route 5, Box 158, Forest Lake, MN 55025  
 Fee: \$100

## WISCONSIN MAP SOCIETY

Persons interested in establishing a map society in Wisconsin are again requested to contact Mr. Wilfred Beaver, Curator-Historian of the Monroe County Historical Society, Inc., Box 422, Sparta, WI 54656.

Mr. Beaver would like to obtain originals or reprints of early maps of Monroe County. Any map of the area, regardless of age or condition, would be appreciated.



# NEW FROM CENSUS

## REPORTS OF SPECIAL CENSUSES TAKEN IN THE SECOND HALF OF 1975

Population counts for special censuses taken in the second half of 1975 have been published in the Current Population Reports series P-28 Special Censuses, No. 1537, "Summary of Special Censuses Conducted by the Bureau of the Census Between July 1, 1975 and December 31, 1975," available from GPO for 35 cents, GPO No. C3.186:P-28/1537. The areas covered in Wisconsin are listed below. Areas covered by special censuses conducted July 1, 1974 to June 30, 1975 are listed in the Wisconsin Mapping Bulletin, Vol. 2, No. 2, April 1976.

WISCONSIN AREAS	(County)	WISCONSIN AREAS	(County)
Browntown village	(Green)	Plover village	(Portage)
De Soto village	(Vernon)	Wheaton town	(Chippewa)
Hayward city	(Sawyer)	Wisconsin Dells city	(Columbia)
Lafayette town	(Chippewa)		

## SELECTED CURRENT POPULATION REPORTS

All publications listed below are available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

### P-25 Population Estimates and Projections series

Projections of the Voting Age Population for States: November 1976. 16 pp., 35 cents, GPO Catalog No. C3.186:P-25/No. 626.

### P-28 Special Censuses series

Special Census of Green Bay, Wisconsin: February 11, 1976. 16 pp., 35 cents, GPO Catalog No. C3.186:P-28/No. 1540.

### Urban Atlas

Milwaukee, Wisconsin. \$2.55, GPO Catalog No. C3.62/7:GE 80-5080.



## 1974 CENSUS OF AGRICULTURE PRELIMINARY REPORTS AVAILABLE



Preliminary reports from the 1974 Census of Agriculture are now being issued on a flow basis and should be available for all counties by September 1976.

The four-page preliminary report consists of 167 statistics about farms, land in farms, operator characteristics, expenses, sales, livestock and crops; each of which are shown for both 1974 and 1969. The report contains two graphics, a pie chart showing land use by percentage for each county in 1974 and a bar chart of eight statistics displaying the relative increase or decrease from 1969 to 1974.

Preliminary reports are for sale by the Subscriber Services Section, Bureau of the Census, Washington, D.C. 20233 and the Department of Commerce district offices for 25 cents per copy. Specify which county or state summary is desired.





## WALWORTH COUNTY MAPS



Bedrock geology map of Walworth County, by R.G. Borman, 1 sheet, 1 pl., scale 1:62,500 (1" = about 1 mile), U.S.G.S. Open-file report No. 76-462.

Bedrock topography map of Walworth County, by R.G. Borman, 1 sheet, 1 pl., scale 1:62,500, U.S.G.S. Open-file report No. 76-463.

Water-table map of Walworth County, 1973, by R.G. Borman, 1 sheet, 1 pl., scale 1:62,500, U.S.G.S. Open-file report No. 76-464.

Map showing thickness of unconsolidated materials of Walworth County, by R.G. Borman, 1 sheet, 1 pl., scale 1:62,500, U.S.G.S. Open-file report No. 76-465.

Copies are available from the Wisconsin Geological Survey, 1815 University Avenue, Madison, WI 53706 for \$1.00 each (608) 262-0586.



## RECENT AERIAL PHOTOGRAPHY



The Agricultural Stabilization and Conservation Service (ASCS) acquired aerial photography over four southern counties during September of this year. The counties are DANE, GREEN, IOWA, and LAFAYETTE. Photography is now being processed by the U.S.D.A. photographic laboratory in Salt Lake City, Utah and copies should be available in the state and county agricultural offices by late October or early November. The photography was primarily flown to assess current drought conditions in these counties as the previously available agricultural photography is from 1968-69. It is interesting to note that this is the first ASCS aerial photography flown in Wisconsin since 1974.

For those persons desiring more information on this photography contact your county or state ASCS office after copies of the prints have been received, i.e., late October or early November.



## FORTHCOMING MAPS



In the final stages of preparation at the Cartographic Laboratory of the University of Wisconsin-Madison are two maps worthy of special note.

"EARLY OR NATIVE VEGETATION OF WISCONSIN" This map is being produced under contract for the Forest Service, U.S. Department of Agriculture. The original compilation was by Professor Robert Finley, UW-Extension, Geography, from the original field notes and base maps of the Public Land Survey. The map, at scale 1:500,000 (1" = ~~1/2~~ 1/2 miles) will be a full color rendition and will indicate the following; three categories of wetlands vegetation, two categories of grassland and brush, five categories of deciduous forest and six or more categories of mixed-coniferous-deciduous forest. Printing release is anticipated in early 1977.

LANDRAP No. 10, "GLACIAL DEPOSITS OF WISCONSIN; Sand and Gravel Resource Potential" This map is being jointly funded by the Department of Administration and the Wisconsin Geological and Natural History Survey. The map is also at a scale of 1:500,000 (1" = ~~1/2~~ 1/2 miles). It will be a full color rendition and will include the following: outwash, pitted outwash, ground moraine, end moraine, and glacio-lacustrine (glacial lake) deposits plus showing open water and non-glacial areas. Scheduled printing is for November 1976.

## ❁ PUBLICATIONS OF SPECIAL INTEREST ❁

### ❑ BOUNDARIES OF THE UNITED STATES AND THE SEVERAL STATES

by F.K. Zandt, 1975, U.S. Geological Survey, Professional Paper 909, 191 p., \$5.20.

This is a comprehensive historical description of the National and State boundaries, with citations of the controlling treaties, statutes, court decisions, and international agreements. It replaces Bulletin 1212, published in 1966. The contents, including geographic data, have been revised to include information obtained through 1974. It is illustrated with maps, photographs, and historical diagrams. Available from the U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202, \$5.20.

### ❑ THE NATURE OF MAPS. ESSAYS TOWARD UNDERSTANDING MAPS AND MAPPING

by Arthur H. Robinson and Barbara Bartz Petchenik, 1976, University Chicago Press, 138 p., \$8.95.

The Nature of Maps, the result of five years of collaboration, addresses the need for a general theory of cartography that would explain the uniqueness of maps. Robinson and Petchenik examine how a map accomplishes what its maker intends and how the making and viewing of maps relate to different forms of knowing and communicating. The fundamental nature of the map is viewed from a philosophical perspective, and the uniqueness of a map as a cognitive system is discussed.

'2' ~ ! TWO YEARS OF PROGRESS ! ~ '2'

August marked the second anniversary of the operation of the State Cartographer's Office. In searching for a statistic to mark the occasion, we had to discard office personnel strength (we haven't grown in people) and size of office space (we occupy the same space as 1974).

Although we can not take credit for it, we do take pleasure in reporting that in the last two years over 90 new 7½' topographic maps were printed, drawing the state ever nearer the goal of complete coverage, now at about 46%. And there are 292 quadrangles in various stages of completion, which eventually will increase that percentage to over 70.

We do feel encouraged at the acceptance of the official publication of the office, the Wisconsin Mapping Bulletin. It is now distributed to over 700 requestors, causing some concern over rising postal rates.

But probably the statistic best suited to mark the occasion is that we have over 300 requests for our new Aerial Imagery catalog. And it hasn't even gone to the printing press at this time! Hopefully it will be available by the first of 1977.

We would like to hear from you should have any suggestions or comments on the Bulletin's content or ideas for needed future publications. News items are also very welcome.

The Wisconsin Mapping Bulletin is distributed free of charge by request. Articles may be reproduced without permission provided acknowledgement is given. Any comments or corrections should be sent to the State Cartographer's Office, 144 Science Hall, Madison, WI 53706 (608) 262-3065.

