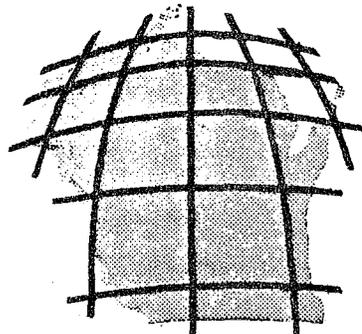


WISCONSIN MAPPING BULLETIN

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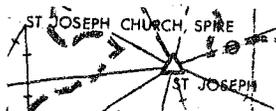
Information on Cartographic activities and Aerial Photographic coverage in the State of Wisconsin; published periodically by the State Cartographer's Office, University of Wisconsin, Madison, WI.

★ GEODETIC CONTROL CATALOG ★

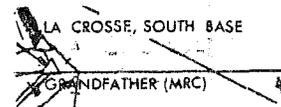
The Catalog of Federal Horizontal Control and Leveling on Wisconsin is now available in limited distribution from the State Cartographer's Office. This catalog documents the coverage of Federal horizontal control and leveling information available from the State Cartographer's Office held by such agencies as the National Geodetic Survey (formerly the U.S. Coast and Geodetic Survey), the U.S. Geological Survey and the National Ocean Survey. The catalog includes the holdings of other federal agencies where information can be requested, such as the Forest Service and the Bureau of Land Management. Page-size indexes are utilized to graphically indicate coverage in the state. Requests for single copies of the Catalog of Federal Horizontal Control and Leveling should be directed to Ms. Chris Hanson, 144 Science Hall, Madison, WI 53706 (608)262-3065.

▣ TOPOGRAPHIC MAPPING BROCHURE ▣

Enclosed with this issue of the Bulletin is a brochure of the Topographic Mapping Subcommittee of the Natural Resources Council of State Agencies. The brochure briefly describes the content of topographic maps produced by the U.S. Geological Survey and the efforts of the state of Wisconsin to complete the modern statewide topographic mapping program. It contains a small index as to coverage of modern topographic maps as of July, 1975. If you would be interested in having additional copies of this brochure for public distribution or educational purposes, contact the State Cartographer's Office, 144 Science Hall, University of Wisconsin, Madison, WI 53706 (608) 262-3065.



PROGRESS ON REMONUMENTATION



The Wisconsin Society of Land Surveyors (WLS) reported in the American Congress of Surveying and Mapping Bulletin (no. 49, May, 1975) that significant progress was being made in remonumentation of Public Land Survey Section corners. While the program on corner restoration and remonumentation is not mandatory by state statute, the WLS reported that in 1975, 34 Wisconsin counties had allocated funds for this purpose.

-- U. S. G. S. COMPLETES STATE HYDROLOGIC ATLASES --
(Refer to Wisconsin Mapping Bulletins, v. 1, no. 2, April and no. 3, July, 1975)

• With the publication of hydrological atlas no. 536, the U.S. Geological Survey, Water Resources Division now has complete hydrologic coverage for the state of Wisconsin. Dates range from 1968 through 1975.

Water Resources of Wisconsin-Upper Wisconsin River Basin, by E.L. Oakes and R.D. Cotter, U.S.G.S. Hydrologic Investigations Atlas HA-536, 1975.

Three sheets: lat. about 45°10' to 46°5', long. about 88°55' to 90°5'. Scale 1:1,000,000 (1 inch = about 16 miles). Sheet 1, introduction, physical setting, water use, and generalized hydrologic budget; sheet 2, ground-water--surface-water relationships, ground water, and irrigation; sheet 3, surface water, summary, agencies having additional information, and selected references. Each sheet 35 by 39 inches. \$2.25/set.

° INDEX OF FLOOD-PRONE AREA MAPS IN WISCONSIN °

The Water Resources Division of the U.S. Geological Survey has published an index to maps of flood-prone areas in Wisconsin. The two-color index illustrates where either 1:24,000 or 1:62,500 scale flood-prone maps are available. The index and the maps may be ordered from the U.S. Geological Survey, Water Resources Division, 1815 University Ave., Madison, WI 53706 (608) 262-2488.

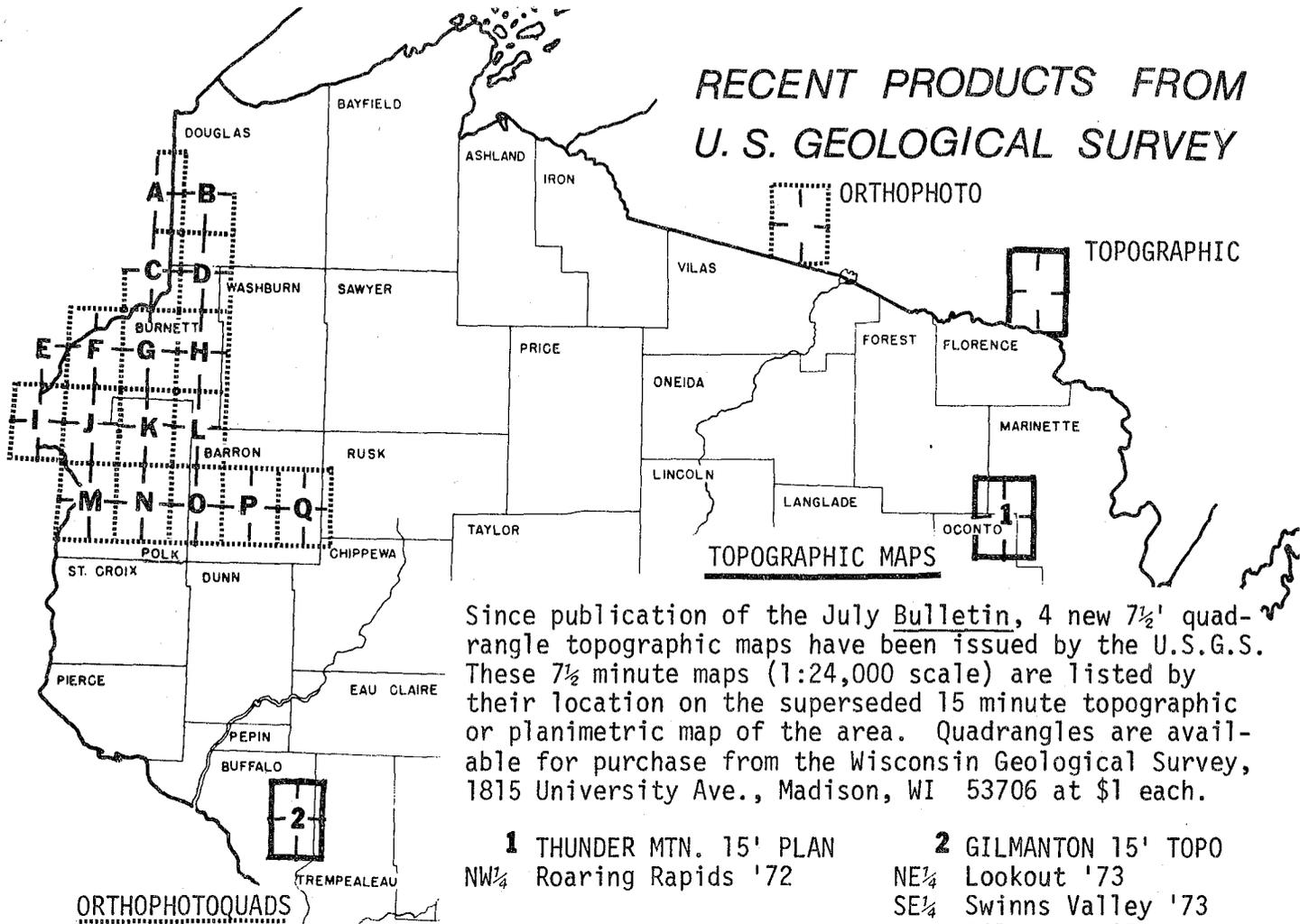
* MODERN SOIL SURVEYS (CONT.) *
(Reference Bulletin, Volume 1, Number 3, July 1975)

Professor Marvin T. Beatty, Statewide Program Chairman for Soil Surveys and Professor of Soil Science, UW-Extension, has written in response to the brief announcement on Modern Soil Surveys in the July Bulletin. The major points Prof. Beatty mentioned are summarized:

- + With reference to county soil surveys which are completed but awaiting publication, Prof. Beatty informs us that a draft copy is available in county offices of the Soil Conservation Service.
- + A more accurate term to express the extent of slope is *percent* rather than degree. To clarify, the slope of the land is in percent (%), i.e. 10% slope.
- + Finally, Prof. Beatty informs us that the proper office to locate a copy of the soil surveys is the county office of the University of Wisconsin-Extension (official education and information dissemination arm of the USDA). Also, the local office of the USDA, Soil Conservation Service will have a copy.

We appreciate Prof. Beatty's comments and regret that the space limitations of the Bulletin prohibit publishing his informative letter in its entirety. Anyone having further questions should direct them to Prof. Beatty at 501 Extension Building, UW, Madison, WI 53706.

RECENT PRODUCTS FROM U. S. GEOLOGICAL SURVEY



Since publication of the July Bulletin, 4 new 7½' quadrangle topographic maps have been issued by the U.S.G.S. These 7½ minute maps (1:24,000 scale) are listed by their location on the superseded 15 minute topographic or planimetric map of the area. Quadrangles are available for purchase from the Wisconsin Geological Survey, 1815 University Ave., Madison, WI 53706 at \$1 each.

- | | |
|--|--|
| 1 THUNDER MTN. 15' PLAN NW¼ Roaring Rapids '72 | 2 GILMANTON 15' TOPO NE¼ Lookout '73 SE¼ Swinns Valley '73 NW¼ Gilmanton '73 |
|--|--|

The U.S. Geological Survey has completed 60 orthophotoquads over northwestern Wisconsin. Diagram above gives specific location. The orthophotoquad is a photomosaic of scale-corrected aerial photography with limited cartographic enhancement. The format is the standard 7½ minute quadrangle and scale is 1:24,000 (1 inch = 2,000 feet). For a more detailed explanation, see page 13 of Catalog of Aerial Photography 1970-1974 on Wisconsin, June 1975.

This area of Wisconsin has coverage at 1:62,500 (15 minute) scale topographic maps only. To order the 1:24,000 scale orthophotoquads, utilize the name of the 1:62,500 quad, for example, Balsam Lake, and the directional orientation of the 4 orthophotos which cover the quadrangle, NW-NE-SE-SW (Balsam Lake NW¼).

Following listing contains the name of the 1:62,500 quad and the available orthophotoquad.

| | | | |
|--|--|-------------------------------------|----------------------------------|
| A HOLYOKE NE¼ & SE¼ | B PATZAU SE¼ & SW¼ | C DANBURY NE¼ & SE¼ & SW¼ | D WEBB LAKE All quads |
| E PINE CITY SE¼ | F GRANTSBURG All quads | G WEBSTER All quads | H HERTEL All quads |
| I RUSH CITY All quads | J MILLTOWN All quads | K FREDERIC All quads | L CUMBERLAND All quads |
| M ST. CROIX DALLES All quads | N BALSAM LAKE All quads | O TURTLE LAKE All quads | P BARRON All quads |
| Q CHETEK All quads | Orthophotoquads are available in standard quadrangle format diazo (ozalid) paper at \$.75 each. Continuous-tone photographic images are also available. Order from: Geological Survey, Box 133, Rolla, MO 65401. | | |

NEWLY PUBLISHED UNION LIST OF TOPOGRAPHIC MAPS

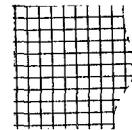
A newly published Union List of Topographic Maps (holdings of the Wisconsin Historical Society and the University of Wisconsin Map Libraries at Madison and Eau Claire) is available from the Cartographic Laboratory, Science Hall, University of Wisconsin, Madison, WI 53706. Copies are priced at \$3.50.

The list, which is a computer printout reduced to 8½ x 11 inches, is current to May 1975. A supplement updates it to Sept. 1975. Included in the publication are two index maps showing in-print and out-of-print maps as of January 1975. The publication contains 154 pages and lists maps at 1:24,000, 1:48,000 and 1:62,500 scale. The list includes such information as availability, contour interval, date of revision and location.

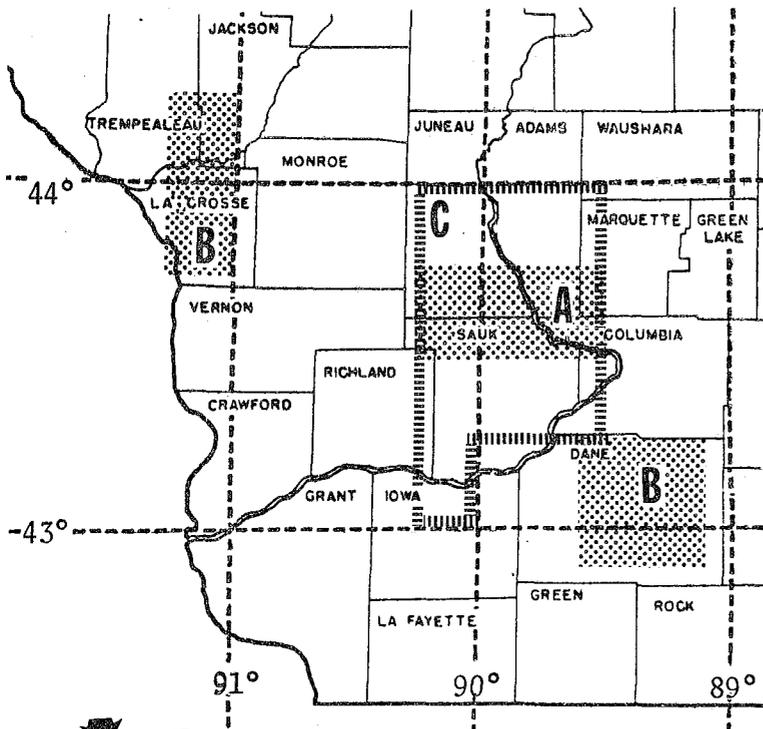
The Union List was compiled by Mary Galneder, University of Wisconsin-Madison, Elizabeth Singer Maule, State Historical Society of Wisconsin, and Nancy Jo Pickett, University of Wisconsin-Eau Claire.



BROWN NOT SHEBOYGAN COUNTY FLOWN



We have been notified of an error in the U.S.D.A., Agricultural Stabilization and Conservation Service aerial photography coverage presented in the recent Catalog of Aerial Photography 1970-1974. Sheboyan County was not flown in 1974 as indicated on page 6. However, A.S.C.S. did acquire 1:40,000 scale photography of Brown County in 1974. Please annotate page 6 of the Catalog accordingly.



U. S. G. S. COVERAGE

Since publication of the aerial photographic catalog, mentioned above, additional coverage has been received from U.S.G.S., Rolla, MO as reflected on graphic at left.

- Area "A" 1:23,000 scale, May 1975
- Area "B" 1:36,000 scale, Nov. 1974
- Area "C" 1:80,000 scale, Nov. 1974
& May 1975

For information on ordering aerial prints refer to page 11 and 12 of the Catalog of Aerial Photography, 1970-1974 on Wisconsin, or contact the State Cartographer's Office at the address listed below.



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