VOLUME 12 NUMBER 2 APRIL 1986 W_{ISCONSIN} M_{APPING} BULLETIN Christine Reinhard Editor Art Ziegler State Cartographer STATE CARTOGRAPHER'S OFFICE 144 Science Hall Madison, WI 53706 608/262 - 3065Est. 1973

TOPO MAP COVERAGE COMMEMORATION

Federal and state officials gathered at a ceremony to recognize the long-awaited. statewide topographic map coverage of Wisconsin at 1:24,000-scale (1" = 2,000'). The events took place at 11:30 a.m. in the Governor's conference room, State Capitol, on Monday, April 21, 1986. Lowell Starr, the new chief of the U.S. Geological Survey's National Mapping Division and Larry Borgerding of the Mid-Continent Mapping Center presented a certificate and a framed quadrangle to the Governor for the State's observance of this milestone in topographic mapping. The certificate was one of the first topo quads completed in Wisconsin. It had been signed by the directors of the Department of the Interior and U.S.G.S. It also bore the seals of both organizations. The framed quadrangle, Portage, was one of the last topos to come off the press.

Following an informal luncheon held at Union South, speakers from the U.S. Geological Survey, State agencies, and the University of Wisconsin gave a series of short presentations on various aspects of topographic mapping including programs of the U.S.G.S., impacts on land records, automated digital capabilities, and future prospects. Following this, officials of the U.S. Geological Survey and the Wisconsin Topographic Mapping Committee met to discuss future state mapping in an open meeting held at the Wisconsin Geological Survey.

In the evening, participants adjourned to an informal dinner at historic Quivey's Grove on Madison's southwest side.

REGIONAL CARTOGRAPHIC CONFERENCES

The SCO is making preliminary plans for a Northeast Wisconsin Regional Cartographic Conference similar to those held in 1985 (Southwest in Richland Center, West Central at Eau Claire, and Northwest at Hayward). The Northeast conference is planned for late summer and will include from 9 to 12 counties. The SCO will notify the county officials, regional planning offices, and state district offices in those counties. Other conferences are planned for the remainder of 1986. The Bulletin will announce the meetings as they are arranged.

SPOT LAUNCH

MCNAIERS

TOPO MAP SALES OUTLETS

SPOT 1, the first commercial remote sensing satellite, was successfully launched from a French Guiana site at 8:44 p.m. EST on February 21 and placed in its proper orbit fifteen minutes later. The launch vehicle was a French Ariane 1 rocket. Hours later, engineers found the satellite operating to design specifications. SPOT (Systeme Probatoire d'Observation de la Terre) is a project of the French government through the Centre National d'Etudes Spatiales.

Gilbert Weill, President of SPOT Image Corporation of Reston, Virginia, the exclusive U.S. marketing organization for SPOT data, noted, "This launch marks the commercial beginning of the satellite remote sensing industry. While earth observation by satellite is not new, the attributes of SPOT make that technology available to commercial users on a worldwide basis for the first time ever."

Also released on launch was the Agreement of Terms and Conditions for acquisition of SPOT data and fee schedules for the first of the series of SPOT satellites. By providing this information to users before satellite data becomes available, SPOT Image Corporation intends to quickly enter into commercial agreements with primary customers in order to begin fulfilling requests for data as soon as the system is pronounced operational and commissioned, approximately 60 days after launch.

SPOT offers three new features to the remote sensing user community: higher resolution data, stereoscopic viewing, and rapid revisit time.

SPOT data will offer 20-meter resolution in the multispectral mode and 10-meter resolution in the pancromatic mode. Studies of SPOT simulation imagery, ongoing worldwide since 1980 and done over U.S. sites in 1983, have indicated great potential for the data in all areas using remote sensing information as well as opening new markets because of the increased resolution.

For further details contact SPOT Image Corp., 1897 Preston White Drive, Reston, VA 22091-4326; phone (703) 620-2200; telex 4993073.

source: The Photogrammetric Coyote, vol. 9, no. 1

Graduate students and Professors Frank Scarpace and Thomas Lillesand of the University of Wisconsin-Madison's Environmental Remote Sensing Center (ERSC) are devising a computer system that examines aerial photographs in order to pinpoint old toxic waste dumps. The Microcomputer Aerial Image Enhancement Reconnaissance System (MCNAIERS) is designed to pick out distinctive "visual signatures" of trench-and-fill dump sites that may contain hazardous waste.

According to a March 1985 report from the congressional Office of Technology Assessment, only half of the nation's estimated 10,000 buried toxic waste dumps have been located. In the past, aerial photography has been used to find sources of toxic leaks in known contaminated areas, but MCNAIERS may make it possible to locate dumps before they cause contamination, and necessitate more extensive and costly clean-up.

Paul Thies, a member of the ERSC research team, explains that soil used to fill waste site trenches has different compaction and soil moisture characteristics and may have a slightly different color than surrounding soils. Such telltale marks, partially obscured by plant growth or weathering, may be revealed on aerial photographs analyzed by MCNAIERS.

The program compares the thousands of tiny dots that make up an aerial photograph, looking for linear patterns caused by the differences in intensity and color of adjacent dots. Patterns that may indicate the boundaries between fill dirt and surrounding soil are enhanced by the computer and then superimposed on the original photograph.

People with good local knowledge of the identified areas must be called in to eliminate "innocent" boundary lines such as overgrown roads and tracks. Thus, according to Thies, because of the critical role of human memory and the loss of this knowledge over time, speed is essential.

Large-scale testing of MCNAIERS begins this spring.

source: Institute for Environmental Studies Newsletter, February 1986

There are many U.S.G.S. topographic map sales outlets throughout the state. Most stock quadrangles for only their immediate geographic area (i.e., local, county, and area coverage). Some outlets may limit themselves to popular high-volume sales topo quads, while others have selections whose coverages range from local to multi-state, and may include special maps. Be sure to write or call to verify what's available, the price per quad, postage costs, and delivery times.

Please notify the State Cartographer's Office of any additions or corrections to this list. Information is current as of July 1985.

Antigo Sport Sales 713 Superior Street Antigo, WI 54409 715/623-7666

Northward Bookstore 112 Vaughn Avenue Ashland, WI 54806 715/682-9772

Smith Insurance & Real Estate, Inc 111 W. Front Street P.O. Box 231 Ashland, WI 54806 715/682-2725

Campus Bookstore Beloit College Beloit, WI 53511 608/365-1697

R.H. Batterman Co., Inc. 2857 Bartells Drive Beloit, WI 53511 608/365-4464

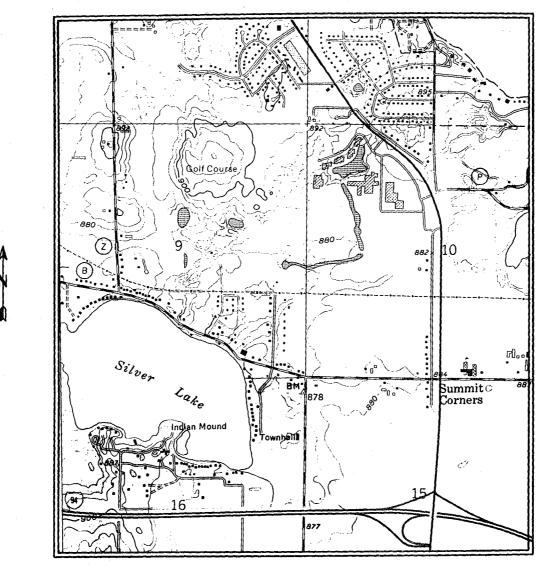
Jerry's Sport Shop 5 Main Street Boulder Junction, WI 54512 715/385-2414

Lakeshore Technical Inst. 1290 North Avenue Cleveland, WI 53015 414/458-4183

Forest Republican Publishers, Inc. 108 W. Madison Street P.O. Box 216 Crandon, WI 54520 715/478-3315

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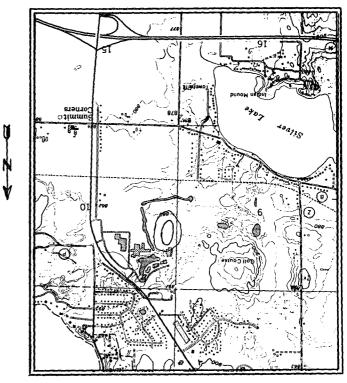
TOPO CURIOSITY



This portion of the Oconomowoc East U.S.G.S. 7.5 - minute topoquad (photorevised 1976) is missing one of the most prominent landmarks in that area visible from Interstate 94. What is it, and where should it appear on this map? (Shown at actual scale.)

TOPO CURIOSITY ANSWER

The Olympia ski hill, a human-made hill approximately 180 feet high, does not appear on the 1976 photorevised topoquad of the area, though it had been built at the time of revision. (Scale reduced.)



TOPO SALES, continued

Vilas County Clerk Courthouse, N. Main Street P.O. Box 369 Eagle River, WI 54521 7.15/479-6469

Green Bay Map Company 1303 South Webster Avenue Green Bay, WI 54301 414/437-6277

Risberg Recreational Real Estate, Inc. 202 W. First Street P.O. Box 551 Hayward, WI 54843 715/634-2656

Ubbie's Sport Shop 142 Iowa Avenue P.O. Box 227 Hayward, WI 54843 715/634-4000

Real Estate Description Dept. Jefferson County Courthouse 320 S. Main St., Room 109 Jefferson, WI 53549 414/674-2500

Clarkson Map Company 1225 Delanglade Street P.O. Box 208 Kaukauna, WI 54130 414/766-3000

Beauti-View Resort Route 1, Box 251 La Farge, WI 54639 608/337-4711

Rusk County Land Conservation Courthouse 311 Miner Ave., E. Ladysmith, WI 54848 715/532-5272

Geological & Natural History Survey 3817 Mineral Point Rd. Madison, WI 53705 608/263-7389 Iverson Engineering Assoc., Inc. 7618 Westward Way Madison, WI 53717 608/833-4080

S.D. Schwark Surveying W2730 Heineman Road Merrill, WI 54452 715/873-4731

Milwaukee Map Service, Inc. 4519 W. North Avenue Milwaukee, WI 53208-1233 414/445-7361

BJ's Sport Shop, Inc. 917 Highway 51 North Minocqua, WI 54548 715/356-3900

Dorwin Map Co. 304 Oneida Street P.O. Box 305 Minocqua, WI 54548 715/356-6851

U.S./Canadian Map Company, Inc. 1919 American Ct. P.O. Box 249 Neenah, WI 54956 414/731-0101

Birchland Realty Hwy. 13, South P.O. Box 388 Park Falls, WI 54552 715/762-3276

Turney Real Estate 163 N. 4th Avenue Park Falls, WI 54552 715/762-3251 -

Birchland Realty, Inc. 198 S. Lake Ave. P.O. Box 25 Phillips, WI 54555 715/339-2181 Racine Blueprint 1015 Washington Ave. Racine, WI 53403 Milwaukee area 414/342-2734 (Racine area 631-6160

Oneida County Forestry Dept. Courthouse P.O. Box 400 Rhinelander, WI 54501 715/369-6140

Barnes Land Office Star Route, Box 6198 Solon Springs, WI 54873 715/795-2542

Doerre Hardware, Inc. 116 West Jefferson Street Spring Green, WI 53588 608/588-2166

Northwest Outlet 1814 Belknap Street Superior, WI 54880 715/392-1122

Honey Rock Camp 8660 Honey Rock Road Three Lakes, WI 54562 715/479-7474

J & J Sports 24 W. Wisconsin Avenue Tomahawk, WI 54487 715/453-3144

Marathon County Clerk Marathon County Courthouse 500 Forest Street Wausau, WI 54401 715/847-5500

The Quiet Hut 117 North Fremont Street Whitewater, WI 53190 414/473-2950

Kiedrowski Engineering, Inc. 4340 80th St. South Wisconsin Rapids, WI 54494 715/421-0444



IRON RIVER MINERAL RESOURCES MAP

Mineral-Resources Map of the Iron River 1° by 2° Quadrangle, Michigan and Wisconsin, 1985. The scale is 1:250,000, latitude 46° to 47°, and longitude 88° to 90°; the map measures 33" x 39". Shown are zones of known mineral resources and areas likely to contain undiscovered mineral deposits. It can be obtained by sending a check or money order for \$3.10 (and \$1.00 for postage and handling), payable to the U.S. Geological Survey and specifying the ordering code I-1360-A-MICHIGAN, WISCONSIN, to: Eastern Distribution Branch, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202 (Address changes July 1, 1986. See Points and Lines.)

GREEN BAY

City of Green Bay Map, 1986 is nearing publication and should be available in May. This multi-colored map (scale 2 1/4" = 1 mile or 1:28,000) features parks, recreational facilities, revised street names, political boundaries, and points of interest. It measures 24 1/2" x 35 1/2" and costs \$1.00. The map is available from the Green Bay Area Chamber of Commerce, Attn: Carol Jones, 400 S. Washington, Green Bay, WI 54301, (414/437-8704).

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PAST AND COMING EVENTS

WISCONS IN HAP SOCIETY

April 2, UW-Milwaukee Golda Meir Library. Douglas Stone, Map Conservator for the American Geographical Society Collection, gave a talk entitled "Map Collecting: Are You Getting What You Paid For?". Mr. Stone, whose specialization includes paper microscopy, was available to offer helpful hints to those who brought their own "problem" maps.

For additional information on the Wiscons in Map Society contact: Virginia Schwartz, Milwaukee Public Library, 814 W. Wisconsin Ave., Milwaukee, WI 53233.

WGLR/ASPRS AND SLMS/ACSM SPRING MEETING April 11, Kenosha. Wisconsin Great Lakes Region/American Society of Photogrammetry and Remote Sensing and the Southern Lake Michigan Section/American Congress on Surveying and Mapping convened their Spring Meeting at the Holiday Inn, Kenosha, Wisconsin. The program included talks on digital mapping from the perspective of state government agencies, educational institutions, and private computer graphics firms. or additional information contact: doward Turner, Dept. of Civil Engineering, Purdue University, W. Lafayette, IN 47907, (317/494-6719) or Dick Dahlberg, Dept. of Geography, N. Illinois University, DeKalb, IL 60115, (815/753-6827).

URISA HILWAUKEE CONFERENCE

April 17, Milwaukee. The Urban and Regional Information Systems Association (URISA) held a conference entitled "Computer Mapping and Geographic Information Systems from Many Perspectives". The program included talks on state-of-the-art computer mapping and information systems from the perspective of a variety of users at regional, state, and national levels. For information about URISA and its conferences contact: URISA Secretariat, 319 C Street SE, Washington, D.C. 20003, (202/543-7141).

EROS WORKSHOPS, 1986
April 21-25, Sioux Falls, SD. The USGS/EROS Center will hold a workshop entitled "Spatial Data Analysis for Resource Assessment". The workshop will include: an overview of spatial data characteristics and geographic information systems; discussion of urrent methods (capabilities and (imitations) as applied to natural resource problems; and team problems to demonstrate uses of microcomputer technology.

May 12-16, Sioux Falls, SD. The workshop "Sampling Design and Accuracy Assessment for Remote Sensing" feature concepts and practical approaches for multi-level sampling designs incorporating remotely sensed data and statistical methods to assess thematic map accuracy.

June 9-13, Sioux Falls, SD. USGS/EROS will present "Remote Sensing Principles and Practices", a workshop introducing state-of-the-art remote sensing methods including the latest satellite and aircraft systems. The workshop will emphasize cost-effective applications of remotely sensed data for resource planning.

For information and application material for the above conferences, contact: Training and Assistance
Officer, USGS/EROS Data Center, Sioux Falls, SD 57198, (605/594-6114).

AAG ANNUAL HEETING

May 3-7. Minneapolis, NN. The Association of American Geographers (AAG) will convene at the Hyatt Regency and Holiday Inn Downtown. The meeting will encompass workshops, field trips, site visits, special events, and talks on a dazzling array of subjects. For a preliminary program send \$2.50 to the AAG Central Office, 1710 Sixteenth St. N.W., Washington, D.C. 20009. For information concerning registration, write the Central Office or contact Robert Aangeenburg, 202/234-1450.

AM/FM EASTERN CONFERENCE

May 5-7, Williamsburg, VA. The Automated Mapping/Facilities Management International (AM/FM) Eastern Regional Conference will feature some of the best presentations from the AM/FM National Conference of 1985, in addition to new papers and special reports on technological developments of interest to current or prospective users.

For more information or registration forms, write or call: AM/FM International, 8775 E. Orchard Rd., Suite 820, Englewood, CO 80111, (303/779-8320).

REMOTE SENSING SHORT COURSE

June 16-27. UW-LaCrosse will host a course introducing remote sensing to geography/earth science secondary school teachers. The course will emphasize developing practical learning units based on data acquired by earth observation satellite systems and will look at new techniques for area studies opened by remote sensing advances. The course is sponsored by

the National Science Foundation and course tuition will be waived.

For more information or an application form, contact: Extended Education, UW-LaCrosse, LaCrosse, WI 54601, (608/785-8565) as soon as possible.

VEGETATION REMOTE SENSING WORKSHOP June 22-27, Ann Arbor, MI. The University of Michigan, School of Natural Resources announces the Ninth Annual Vegetation Remote Sensing Workshop. The workshop is organized in three parts: a primer session offering an introduction to image interpretation; a basic session of intensive lecture, discussion, and field work focusing on the use of remote sensor data for analysis and monitoring; and two special seminars on remote sensing applications for damage assessment and geographic information systems. For applications and detailed information write: School of Natural Resources, Remote Sensing Laboratory, University of Michigan, Ann Arbor, MI 48109-1115.

(continued on page 6)

NEW MAPS, continued

WCWRPC MAPS

The West Central Wisconsin Regional Planning Commission (WCWRPC) has completed maps for the towns of Brunswick, Drammen, Ludington, and Otter Creek (EAU CLAIRE COUNTY). These page-size 1985 maps have a scale of 1" = 1 mile (1:63,360), and feature a street reference grid. They are available for \$.10 each from West Central Wisconsin Regional Planning Commission, Attn: Lois Ristow, 124 1/2 Graham Avenue, Eau Claire, WI 54701, (715/836-2918).

The WCWRPC is scheduled to complete a 1986 base map for the city of Cumberland (BARRON COUNTY) which will be printed in three sizes. The smaller of the three measures 42" x 48", with a scale of 1" = 400'; the second measures 66" x 108", with a scale of 1" = 200'; the largest is printed in several sheets with a scale of 1" = 100'. The map features lot lines, street names, water bodies, and corner/section numbers. It can be obtained by contacting Dennis Rockow, City Treasurer, P.O. Box 155, City of Cumberland, Cumberland, WI 54829, (715/822-2752).

STATE INDEX/CATALOG BOOKLETS

Wisconsin Index to Topographic and Other Map Coverage and its companion publication the Wisconsin Catalog of Topographic and other Published Maps, July 1985 will replace the previously used and outdated single-sheet indexes. The Index identifies quadrangle areas by reference code, map name, and scale, and will be valid indefinitely. The companion Catalog, which is to be updated periodically, lists names, dates, and prices of maps currently available. The Wisconsin Index/Catalog will be available from the State Cartographer's Office, Room 144 Science Hall, University of Wisconsin, Madison, WI 53706-1404, (608/262-3065) by mid-June. The Index/Catalog can also be obtained from the Mid-Continent Mapping Center, U.S. Geological Survey, 1400 Independence Road, Rolla, MO 65401, (314/341-0851).

U.S.G.S. INDEXES

NHAP II INDEX. A new index map depicting coverage by the second National High-Altitude Photography (NHAP II) program is now available from the U.S.Geological Survey. NHAP II photographs are taken during the growing season in order to be used for vegetation, agricultural resource and crop survey analyses. Approximately 8 percent of the 48 conterminous states have been photographed, with completion expected in 1990. Single copies of the index map, published in October 1985 (updated quarterly) are available free from the Eastern

Distribution Branch, USGS, 1200 South Eads Street, Arlington, VA 22202 (Address changes July 1, 1986. See Points and Lines.) Also available:

Status and Progress of Topographic Mapping (7.5 and 15 Minute Series), Oct. 1985;

Index to 7.5 Minute Orthophotoquad Mapping, Oct. 85;

Index to USGS/DMA 1:50,000-Scale, 15 Minute Mapping, Jan. 1985;

Index to 1:100,000 and 1:250,000-Scale Land Use and Land Cover Maps, Oct. 1985:

Index to Intermediate-Scale Mapping (1:100,000-Scale Quadrangle) (1:50,000 and 1:100,000-Scale County Format Maps on reverse side), Oct. 1985;

Index to Digital Line Graphs (DLG) from 1:24,000-Scale Maps and Digital Elevation Model (DEM) Data, Jan. 1986 Index to Small-Scale Maps of the United States, Jan. 1984;

Index to USGS Topographic Map Coverage of the National Park System, Feb. 1984.

ATLAS SOFTWARE

MacAtlas, clip-art series, enables you to produce presentation quality maps on your MacIntosh using MacPoint and Image Writer (or the new Laser-Writer). The entire MacAtlas set includes four volumes, which include 28 base maps of the USA, showing states, census regions and census divisions; 25 maps of the world and continents at several scales; county maps east of the Mississippi; and county maps west of the Mississippi. The suggested retail price for the four volumes purchased as a set is \$199.00. For more information or to order MacAtlas write: Micro Maps, Box 1353, Morristown, NJ 07960, or call 201/658-4333.

FREE BROCHURE

Ice Age, 1985, a brochure published by the Wisconsin Dept. of Natural Resources and the National Park Service features general information on highway access, glacial features, recreation, facilities and services for the nine units of the Ice Age National Scientific Reserve and maps of five units. It also provides information on glacial landforms and Wisconsonian glaciation. Single copies are available free from the Wisconsin Geological Survey, 3817 Mineral Point Road, Madison, WI 53705, (608/263-7389).

EVENTS, continued

P.O.B. & FORESIGHT COMBINE TO PRESENT CHICAGO SEMINAR

Point of Beginning (P.O.B) magaziand FORESIGHT are jointly sponso a computer seminar for Surveyors and Civil Engineers entitled "Automation and Computerization- The Building of a Total Surveying System". Held in conjunction with A/E/C Systems 86, the seminar will include two half-day sessions, June 24 & 25, at McCormack Place in Chicago. The seminar is designed to assist the Surveyor and Civil Engineer automate field and office procedures.

Advanced registration fees are \$125 for each half-day session, or \$195 for both. Registration includes the conference, all handout materials, admission to the exhibit hall and a pass to attend a 3:00 p.m. A/E/C seminar. For additional seminar information and registration, contact P.O.B. Publishing, P.O. Box 810, Wayne, MI 48184, (313/729-8400).

NATIVE AMERICANS AND THE CENSUS

August 5, Wausau, WI. The Bureau of the Census will hold a regional meeting with native American organizations in Illinois, Michigan, Minnesota and Wisconsin to discuss 199 census plans. For more information, contact the Decennial Planning Division, Bureau of the Census, Washington, DC 20233, phone 301/34358.

NCIC AFFILIATES MEETING

August 11-15, Denver, CO Federal Center. The U.S.G.S., National Cartographic Information Center (N.C.I.C.) is planning a national meeting of all its affiliates. This is the first time all state affiliates will meet to review N.C.I.C. programs and to discuss policy. For details contact Walt Wagner, U.S.G.S.-Eastern, 703/648-5914.

URISA ANNUAL CONFERENCE

August 10-14, Denver, CO. The Urban and Regional Information Systems
Association will hold its 24th annual conference at the Marriot Hotel in Denver. The conference theme, "What's The Difference?", stresses evaluation of information systems technology. For more information, write to URISA 86, 319 C Street SE, Washington, DC 20003.

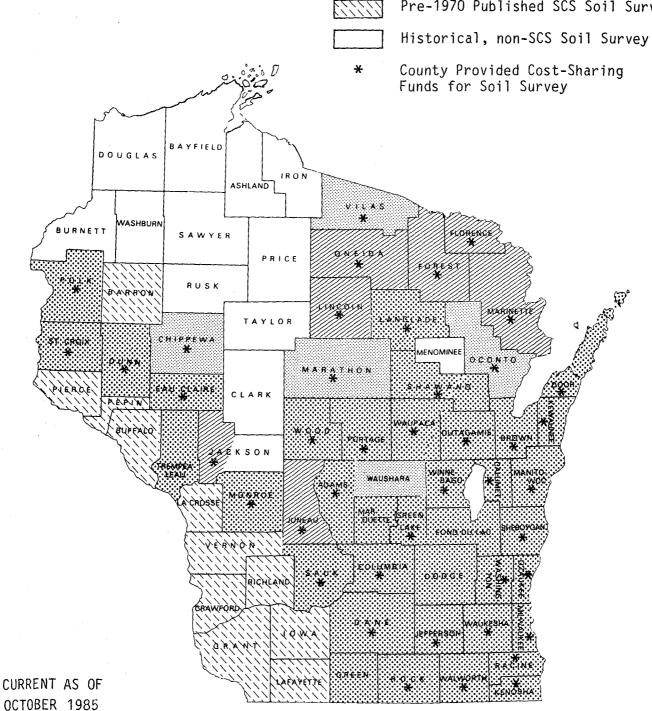
WCA ANNUAL CONVENTION

Sept. 21-24, Appleton, WI. The Wisconsin Counties Association (WCA) will hold its 48th Annual Convention and Exhibition in Outagamie County at the Paper Valley Hotel and Conference Center. For more information, write to: WCA, 802 West Broadway, Suite Madison, WI 53713-1897.

STATUS OF SOIL SURVEYS

SOIL CONSERVATION SERVICE (SCS)
U.S. DEPARTMENT OF AGRICULTURE

Modern Published Soil Survey Mapping Complete - Awaiting Publication Soil Survey in Progress Pre-1970 Published SCS Soil Survey Historical non SCS Soil Survey



TOWN OF RANDALL DEMONSTRATION PROJECT REPORT

In the October 1985 Bulletin we announced that a report on the cooperative effort for an automated mapping/land information system demonstration project would be available as of January 1986. Owing to printing system problems the date they'll be available has been pushed back to June 1, 1986. The State Cartographer's Office will have a limited supply of copies which can be obtained upon request.

NORTH AMERICAN VERTICAL DATUM (NAVD)

NAVD releveling activities are in progress in Wisconsin. Information on the progress or status of National Geodetic Survey field control surveys in Wisconsin may be obtained by contacting Harold Beard, Chief, Field Operations Section, N/CG161, Rockville, MD 20852, phone 301/443-8141.

NEW CHIEF AT USGS NATIONAL MAPPING DIVISION

Lowell E. Starr has succeeded Rupert B. Southard as chief of the National Mapping Division of the U.S. Geological Survey, Department of the Interior, at the U.S.G.S. National Center in Reston, VA.

In his new post, Starr, 50, directs the National Mapping Program of the U.S.G.S., the nation's largest civilian map-making agency.

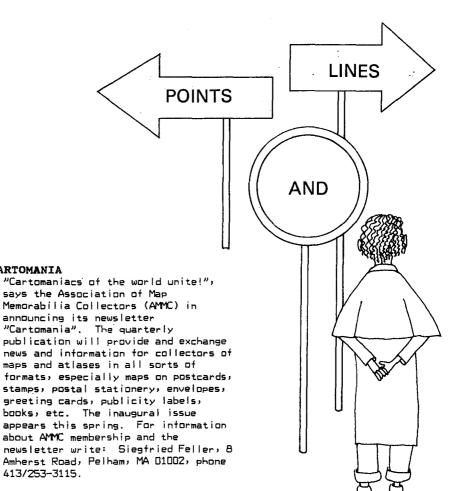
Rupe Southard, a 40-year veteran of federal service, recently retired after serving as mapping chief since 1978.

TOPO QUIZ REPLY

Carolyn Heidemann writes, "Oulu isn't as hard to locate as you think it is if you are a Finn or if you've read of the Oulu Hotshots band. There are at least three license plates in Stoughton with Oulu as part of the personalized license. Watch for one of them near the University Bookstore (Madison). The pronunciation is 50'-100." (reference January 1986, p. 15)

LUCINDA

The Land Use and Conservation Information Network Data Access program (LUCINDA) is a new service which enhances the networking ability of people working on land issues such as farmland preservation. The service provides names, addresses, phone numbers, interests and areas of expertise of people working on particular issues. It includes information ranging from data on soils and trees to land protection, mode! ordinances for the transfer of development rights, and sample conveyances for a wetlands easement program. For more information write: Kevin Coyle, president, American Land Resource Association, 5410 Grosvenor Lane, Bethesda, MD 20814, phone 301/493-9140.



MAGNETIC DECLINATION SERVICES

CARTOMANIA

The National Geophysical Data Center (NGDC) offers several magnetic data services to surveyors. These include the Present Magnetic Declination, and the Tables of Magnetic Declination for Past Years. The former service is free and information for a specified point may be obtained by calling Susan McLean 303/497-6478 at NGDC. The latter service comprises State Tables of Magnetic Declination (\$18.00 per state, \$195 for conterminous US), Historic Declination for a Point (\$20.00), and Magnetic Station Site Description (\$35.00). Inquiries should be addressed to the National Geophysical Data Center, NOAA Code E/GC4, 325 Broadway, Boulder, CO 80303, phone 303/497-6541. Note: U.S.G.S. periodically publishes a chart showing the magnetic declination. The latest "Magnetic Declination in the United States' chart may be obtained from the U.S. Geological Survey, Western Distribution Branch, Box 25425; Federal Center, Denver, CO 80225.

WISCONSIN LAND INFORMATION NEWSLETTER

The Wisconsin Land Information Newsletter, now in its third year, and with a circulation of 9000, reports on research, institutional arrangements, and applications aimed at modernizing and integrating land records.

Its latest issue reports on the work of the Wisconsin Land Records Committee appointed by the Governor last summer.

Bernard Niemann Jr., professor of landscape architecture and environmental studies, is editor of the newsletter. For more information contact Barbara Weisman, 1040 WARF Building, University of Wisconsin-Madison, Madison, WI 53706, phone 608/263-6843.

source: Institute for Environmental Studies Newsletter , April 1986

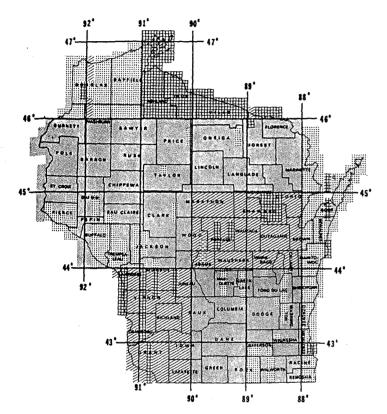
U.S.G.S. EASTERN DISTRIBUTION CENTER CLOSES

The Eastern Distribution Branch of the U.S.G.S.'s National Mapping Division is moving to Denver, Colorado. Both map and book sales are affected. As of July 1, 1986 send your map orders to: U.S. Geological Survey, Map Distribution, Federal Center, Building 41, Bax 25286, Denver, CO 80225. After September 1, 1986, book orders should go to: U.S. Geological Surv Books and Open-File Reports, Federa Center, Building 41, Box 25425, Denver, CO 80225.

WISCONSIN NHAP COVERAGE

NHAP I 1980 - 1984 NHAP II

1981 1983 1982 1984



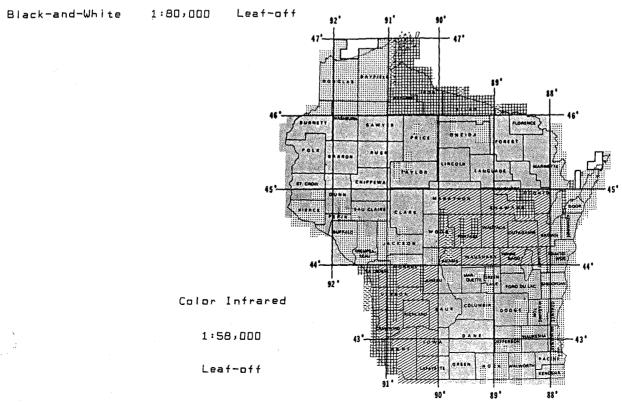
The State of Wisconsin is soon to have new statewide photographic coverage. Mark Hurd Aerial Surveys, Inc. of Minneapolis is the contractor who will begin flying NHAP II coverage of the state during the June through August flying season this year. As detailed in the October 1984 Bulletin; the film types and scales will be the same as the NHAP I coverage shown at left, but the coverage will be leaf-on this time. This new coverage will be indexed by state and the index will extend to the edge of the 1:100,000 quadrangle sheets covering the state. Those areas that are flown this summer should be available sometime this winter.

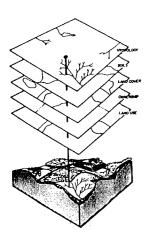
For information on availability and ordering contact:

U.S. Geological Survey EROS Data Center Sioux Falls, SD 57198 (605) 598-6151

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U.S. Geological Survey Mid-Continent Mapping Center NCIC 1400 Independence Road Rolla, MO 65401 (314) 341-0851.





INSTITUTE FOR LAND INFORMATION

The new President of the Institute for Land Information (ILI), elected at its annual meeting in Washington, D.C., on March 18, is Fritz K.A. Petersohn, President of the BSC Group, Boston, Massachusetts, and a professional land surveyor. Vice-Presidents are Katie L. Dixon, County Recorder of Deeds, Salt Lake City, Utah, and R. Laurence Simpson, Executive Director of the Land Registration and Information Service, Fredericton, New Brunswick, Canada. James E. Stem of the National Geodetic Survey (Washington, D.C.) is Secretary, and Clifton J. Fry of the U.S. Geological Survey (Reston, VA) is Treasurer.

The Institute for Land Information is the nonprofit corporation resulting from the merger of the Institute for Modernization of Land Data Systems (MOLDS) and the Land Information Institute (LII). Like MOLDS, the Institute for Land Information is an organization of organizations from all over the world, from public and private sectors, all dedicated to the promotion of modern, multipurpose land information systems.

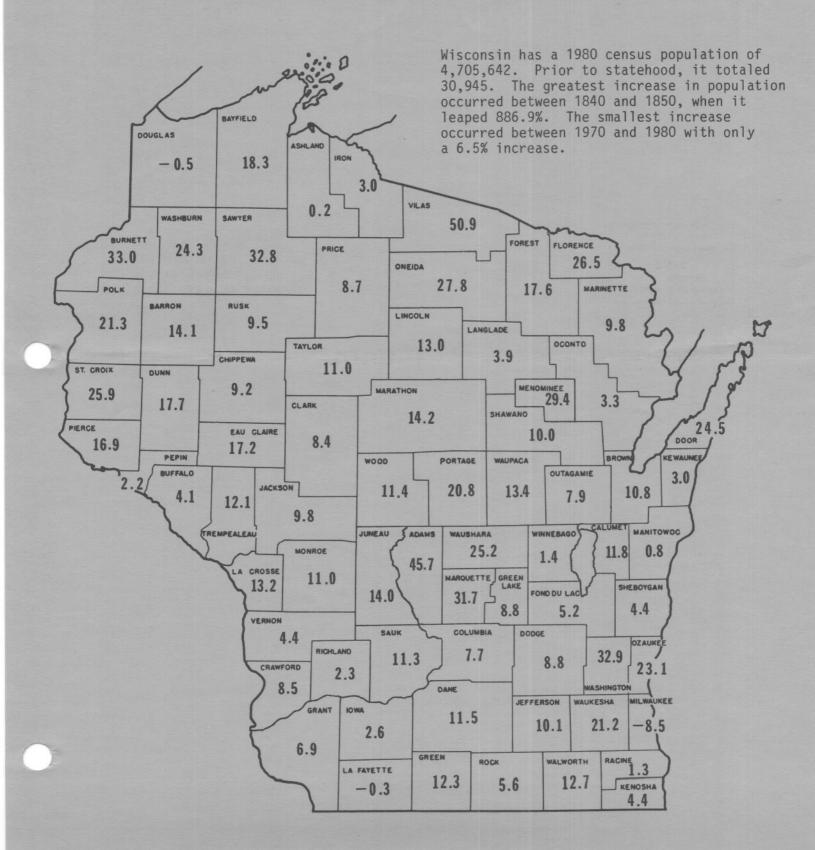
Unlike MOLDS, however, the Institute for Land Information (ILI) has an individual membership division, the Land Information Assembly, open to everyone. Regular members pay \$25 annually, students can join at \$15 per year. Other categories, with annual membership fees, follow: individual (sustaining), \$100; organization (regular), \$500; organization (sustaining), \$1,000. Those interested are encouraged to write Clifton J. Fry, Treasurer, ILI/LIA, c/o National Association of Counties, 440 First Street, NW, Washington, DC 20001.

At the Washington meeting ILI announced plans for a quarterly newsletter (the ILI-AD), to appear as soon as possible. There are also 8 action commissions with ILI, all of which welcome volunteers. Anyone interested is encouraged to contact Fritz Petersohn at 450 Summer Street, Boston, 02210, or R. Laurence Simpson at LRIS, Inc., P.O. Box 6000, Fredericton, New Brunswick, Canada E38 541

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source: URISA News, April 1986

TOTAL POPULATION GROWTH IN WISCONSIN By County 1970-1980



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