

WISCONSIN MAPPING BULLETIN

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CARTOGRAPHER'S
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TOPO MAPPING PLANS

The Wisconsin Topographic Mapping Committee has not held a meeting since late September. The Chair, State Geologist Dr. Meredith Ostrom and the State Cartographer, Art Ziegler, have been actively preparing recommendations for the State's mapping programs. Primary considerations will be:

1. Completion of the 1:100,000-scale county map series for the entire state (expected by mid-1987);
2. A program of cooperative funding for the revision of the 7 1/2' quad series;
3. Determining Wisconsin's share of the cooperative funding necessary to acquire total state coverage for a 7 1/2' quad digital line graph of the Public Land Survey net.

In anticipation of the next biennial budget cycle, the Committee is trying to locate funding sources to continue Wisconsin's cooperative mapping program with the U.S. Geological Survey. Previous state agency cooperative funding sources have come under the close scrutiny of budgetary officials. The Committee plans to meet in late winter/early spring to decide on a course of action. The Bulletin will report on these new developments. Contact Art Ziegler for more detailed information, 608/262-6852.

WISCONSIN DOCUMENTS IN IOWA

There are Wisconsin public land survey documents housed in Iowa archives. An inventory done by the Minnesota Land Surveyors' Association turned up a considerable amount of Wisconsin material even though they only had time to do a quick search. They examined field notes, railroad patents, survey documents, and Government Land Office correspondence to other G.L.O.'s, to county surveyors, and to citizens. One box (#13) included maps and original field notes from the Wisconsin Territory including the lands ceded by the Chippeway (sic) Indians of the Oneida Reservation. There's undoubtedly a wealth of materials waiting for an eager researcher. Contact the Iowa State Historical Department, East 7th and Court Avenue, Des Moines, IA 50319 for more information.

source: Wisconsin County Surveyors Association, Newsletter, July 1986

STATE CARTOGRAPHY COMMITTEE NEWS

The Committee on State Cartography, the 7-member committee that advises and oversees the State Cartographer's Office (SCO), met January 21st to review the SCO's current activities and mid-year budget. The Committee reached several newsworthy decisions.

First, the Committee decided that the SCO, which is operating under stringent budget conditions, should continue to produce and issue county cartographic catalogs (first editions) free-of-charge. Similarly, the SCO will continue to provide inquiry services and the Wisconsin Mapping Bulletin at no charge. As the SCO considers new publications, it will decide on questions of reimbursements or fees.

Second, owing to limited funding, the SCO will postpone all prototype, experimental or developmental cartographic products or publications until the next Committee meeting in April/May. At this time, the SCO should have a clearer perspective on the possible support coming from the next biennial budget.

Third, because of fiscal constraints and uncertainty, the SCO will issue coverage of only blocks of contiguous Wisconsin counties in its proposed publication, Status of County Surveyors and Section Corner Remonumentation Report during this fiscal year. The SCO will postpone production of the completed publication until it has determined the status of printing funds at the end of the fiscal year.

Lastly, the Committee directed the SCO to closely analyze all expenditures according to these guidelines, and to give priority to continuing SCO in-state services.

INTERAGENCY DATA SHARING

An informal group of state agency people have been meeting since October to discuss developing a shared geographic data base. Representatives from the Departments of Natural Resources and of Transportation, from the University and from the Wisconsin Geological Survey are striving to agree on base map data elements. They also are attempting to compile a data inventory form. The SCO hopes to participate in the inventory. More information is available from Dave Fletcher (DOT) 608/266-1357 or from Bill Shaw (DNR) 608/266-2432.

COUNTY MAPS, WHERE ARE YOU?

Elsewhere in this issue we list a large number of county 1:100,000-scale maps recently published by USGS (Note the graphic showing their incorrectly given locations.) But, although they appear in USGS's New Publications, don't rush over to the Wisconsin Geological Survey for your copies. It can take up to a year before the WGS receives copies for distribution.

Here's what happens: After a county map is printed, it sits in a bundle awaiting shipment to the Denver distribution center. After travelling to Denver, it waits to be checked in. (See item on USGS response time.) Once unpacked, it sits in storage until someone determines who automatically receives it. Then the map is pulled, repacked, and shipped to, in this case, the WGS. Further slowing down the process is the low priority given to the county maps; they rank below quadrangles, geologic maps, etc. After a map leaves the printer it is virtually impossible to track its whereabouts until the Distribution Section has it on its shelf ready to distribute.

So, if you want a recently published county map, order it from USGS Western Distribution Center. As the primary distribution center, they receive the maps much sooner than a secondary distributor. You may want to check with Rochelle at WGS Map Sales first because, if she has it, she can get it to you more quickly than USGS Denver. Contact Rochelle at 608/263-7389.

USGS RESPONSE TIME

According to Dwight Canfield, USGS Sales-Denver, turn-around time for map and book orders will be 2 weeks beginning this January. The USGS Sales staff has dug out from under 187 40,000-pound truckloads of maps which began arriving from Arlington, VA (see July, 1986 Bulletin) late last spring even before they had the shelves to store them. The entire inventory from the now phased-out USGS Eastern Distribution is already stored in Building 810 in Denver. USGS Sales, which has received authorization to expand its staff by 19 employees, is presently transferring Western Distribution Branch stores from Building 41 to Building 810. This transfer will complete the consolidation of the Eastern and Western Distribution Branches that is expected to save \$1 million per year in operating costs. Map distribution and book products services have the respective

addresses: U.S. Geological Survey, Map Distribution Section, Federal Center, Box 25286, Denver, CO 80225, phone 303/236-7477 and U.S. Geological Survey, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, CO 80225, phone 303/236-7476.

ARC/INFO COMES TO UW

ARC/INFO is a comprehensive software package for geographic analysis developed by the Environmental Systems Research Institute of Redlands, California. It is now available on the Madison Academic Computing Center's (MACC) VMS Vax through a joint venture of the University of Wisconsin-Madison Landscape Architecture Department, the Graduate School, and MACC.

The package, which uses the INFO database management system, serves as a geographic information system (GIS). It offers extensive capabilities for creating and manipulating cartographic and thematic databases, as well as two-dimensional map projection and drawing. ARC/INFO complements and expands the University's other GIS software, in particular, ODYSSEY.

About 100 people attended a one-day orientation for the software package held in November by MACC, the Center for Land Information Studies, and the College of Agricultural and Life Sciences' Land Information and Computer Graphics Facility. Fourteen people subsequently completed a two-week training course with lectures and labs. Participants came from various UW-Madison departments and programs; the Wisconsin Departments of Natural Resources, Transportation, and Agriculture; the Wisconsin Geological and Natural History Survey; Dane County offices; and the Water Resources Division of the U.S. Geological Survey.

ARC/INFO is available to UW-Madison researchers, state and local government agencies, or anyone with a MACC account on the VAX system. For more information about such accounts contact Victor Scherer at MACC, 608/262-3570. To learn more about potential uses of ARC/INFO in land information studies, contact Prof. Ben Niemann, 608/263-6506 or Prof. Nick Chrisman, 608/263-5534.

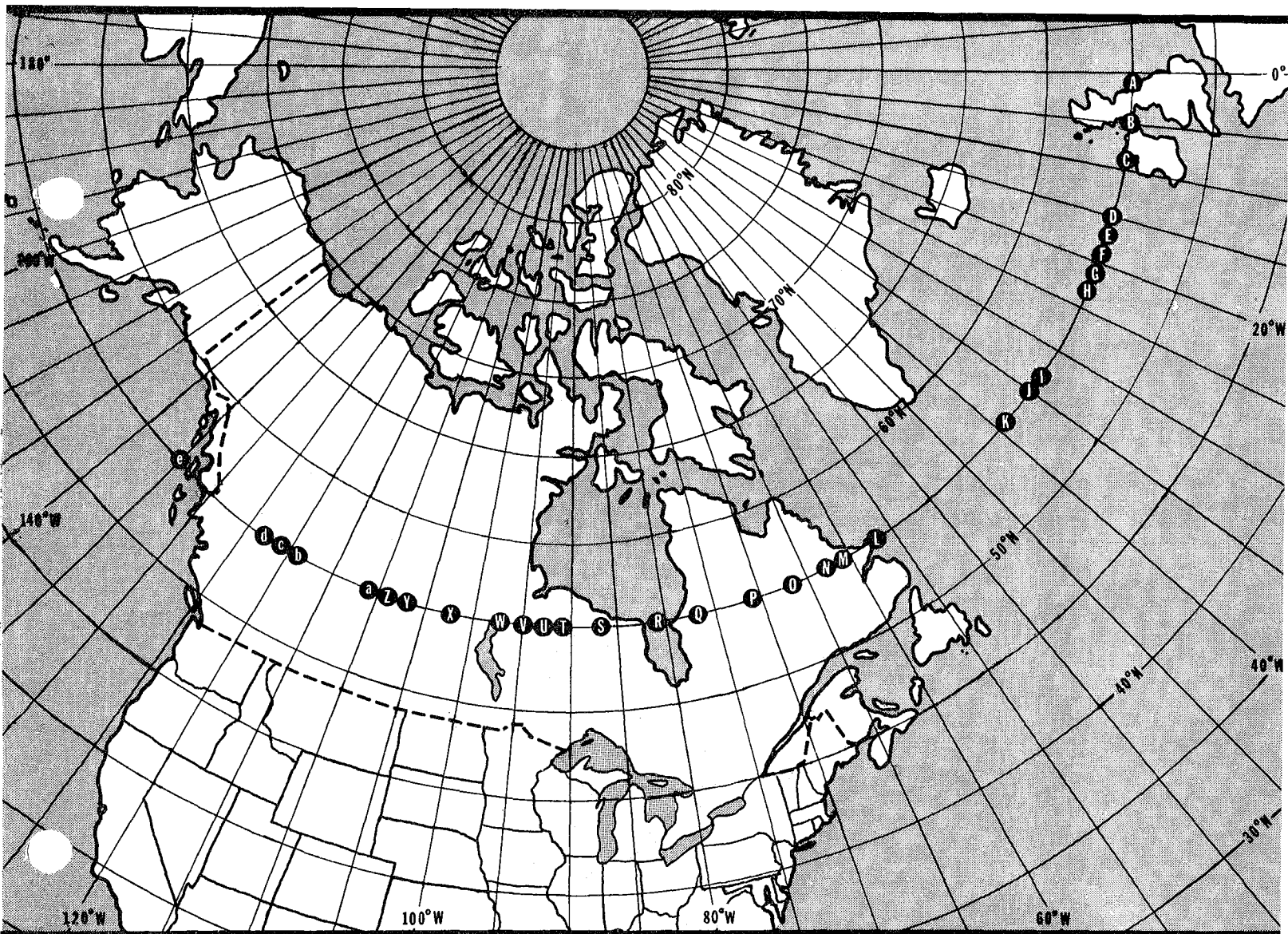
source: MACC News/4, Dec. 22, 1986 and Institute for Environmental Studies Newsletter, Dec. 1986

ADAMS COUNTY IN ENGLAND?

The USGS New Publications has incorrectly listed county maps by their FIPS Code in the latitude/longitude columns. For example the Federal Information Processing Standard (FIPS) number for Adams County is 55001; 55 indicates Wisconsin; 001 stands for Adams County. USGS had Adams County at 55 degrees latitude, 1 degree longitude. This places it on the east coast of England.

We enjoyed plotting the coordinates found in the April through September issues. USGS has since corrected the problem. Here are the counties which were relocated:

A. Adams	I. Dunn	Q. Marquette	Y. Rusk
B. Barron	J. Eau Claire	R. Monroe	Z. St. Croix
C. Brown	K. Fond du Lac	S. Outagamie	a. Sauk
D. Calumet	L. Juneau	T. Pepin	b. Taylor
E. Chippewa	M. Keweenaw	U. Pierce	c. Trempealeau
F. Clark	N. La Crosse	V. Polk	d. Vernon
G. Columbia	O. Langlade	W. Portage	e. Waupaca
H. Crawford	P. Manitowoc	X. Richland	



(map by Bj Wooding, SCO Production Staff)

BASE MAPS: A PLANNING TOOL

In its recent newsletter, the West Central Wisconsin Regional Planning Commission (WCWRPC) maintains that a current, easy-to-read community base map is a prerequisite for good municipal planning and management. A base map for municipal planning purposes is a map that portrays a limited amount of data about a community's physical and political boundaries. Compared to potential long-range benefits for a community, large or small, the investment in acquiring such a map is minimal.

As the name implies, it is used as a "base" on which to display additional information. A base map should contain at least the following information: streets and street names (both existing and platted); physical features such as lakes and rivers; lot lines; railroad tracks; and right-of-ways. Some base maps may include lot numbers and dimensions. Accuracy and a suitable scale are essential.

Base maps are used to make other maps such as zoning, thoroughfare, land use and official maps. Many communities plot their sewer and water systems on a base map for easy reference. Officials and planners can inventory municipal facilities such as manholes, lift stations, and traffic signs on the base map. Annexations, new housing construction, vacant lots and road conditions can also be charted.

It is possible to compile base maps from existing maps. All that is necessary for this is to redraft and expand the maps to include new subdivisions and streets. In some cases, an adequate map does not exist and a base map must be constructed from scratch. Rather than using costly field surveys of each parcel, the WCWRPC employs existing property descriptions, certified survey maps (CSM's), plats, topographic quadrangles, and air photos to make a base map. The Commission obtains information on deeds, CSM's, and plat references from local tax assessors and county register of deeds offices. Each parcel is drawn up from the corresponding legal description and joined to other parcels to create the base map. Detail of information, scale, and final map size are tailored to fit a particular client's needs.

Most base maps are drafted on mylar, a durable and stable plastic material that allows reproduction on a standard blueprint machine. The WCWRPC maintains its own blueprint machine, which accommodates mylars up to 42" wide and of any length.

Paper prints or additional mylar copies may be made from the base mylar for the cost of reproduction. The Commission, in addition, has access to a firm that will enlarge or reduce maps photographically. Thus, additional sizes and scales can be produced from the original base map without encountering further labor costs. For more information on community base maps compiled by the WCWRPC contact Lois Ristow, Graphics Coordinator, at 715/836-2918.

source: WCWRPC's The Region, Sept.-Oct, 1986



1990 CENSUS PLANS

LOCAL REVIEW PROCESS

The Census Bureau plans to involve local officials in pre- and post-census reviews. Pre-census maps, showing political boundaries as of 1988, will be mailed to local officials in July 1989. This will be followed by pre-census housing counts in November 1989. Officials will then have 45 days in which to review the counts.

Following the 1990 Census, local officials will have an additional opportunity to review census counts. The Bureau will send post-census maps to local officials in July 1990 and post-census housing counts in September 1990. Officials will then have 10 to 15 days to review them.

TIGER

TIGER, an acronym for Topographical Integrated Geographic Encoding and Referencing system, is a computer system which will produce census maps for the entire nation. Though still in its developmental stages, the system is progressing on schedule. The Census Bureau has already used TIGER to generate maps of the test census sites. One major advantage of TIGER is that it eliminates human error by allocating block numbers to every block in the country. The system will also produce 1990 census maps of uniform page size, another advantage for data users. For more information on TIGER, contact the Regional Census Center, 55 East Jackson Blvd., Suite 1304, Chicago, IL 60604, phone 312/353-6251.

source: WSDC News, Summer/Fall, 1986

PONIATOWSKI 45°-90°

While John Gesicki of Poniatowski, WI (population 111) derives satisfaction from knowing that his hometown has established its claim to fame as the center of the northern half of the western hemisphere, State Cartographer, Art Ziegler lost a good night's sleep over its notoriety. Although, as Gesicki readily points out, the true site is located a half-mile west and a quarter-mile north of Poniatowski in the town of Rietbrock, the Associated Press covered the colorful story of how Gesicki has promoted both the site and Poniatowski. Apparently the AP story attracted far-off attention, for Art Ziegler received what, at first, he thought was a call from Wausau (WI) from someone trying to locate Gesicki. Actually, the caller was from Warsaw, Poland and the call caught the State Cartographer off guard at 5:00 in the morning. The State Cartographer's Office has not heard from the caller since. For anyone interested in learning more about Poniatowski and its claim to fame as the center of the northern half of this hemisphere, or in joining the 45-90 Club please call John Gesicki at 715/352-3094.

REMOTE SENSING DATA ARCHIVE

In 1984, Federal Legislation called for the establishment of a space data archive to house all the imagery from the Apollo and Gemini missions, all the past LANDSAT data, as well as the future acquisitions of LANDSAT, SPOT (French), and ERSOS (Japanese) data. The National Oceanic and Atmospheric Administration (NOAA) is developing the administrative program with cooperation from the U.S. Geological Survey.

According to Peggy Howard of the NOAA archives planning team, future acquisitions will be selected for their scientific, technical, or historical merit. Current funding comes from the soon-to-be-phased-out LANDSAT program. In FY89, the archive will seek its own budget. The archives planning team expects to publish a brochure explaining the center's policy and philosophy later this summer. The USGS EROS Data Center in Sioux Falls, SD will be the repository for the research materials. Call Peggy Howard at 301/763-4522 for more information on the National Satellite Land Remote Sensing Archive (name not yet officially determined).

USGS LAND USE/LAND COVER MAPPING

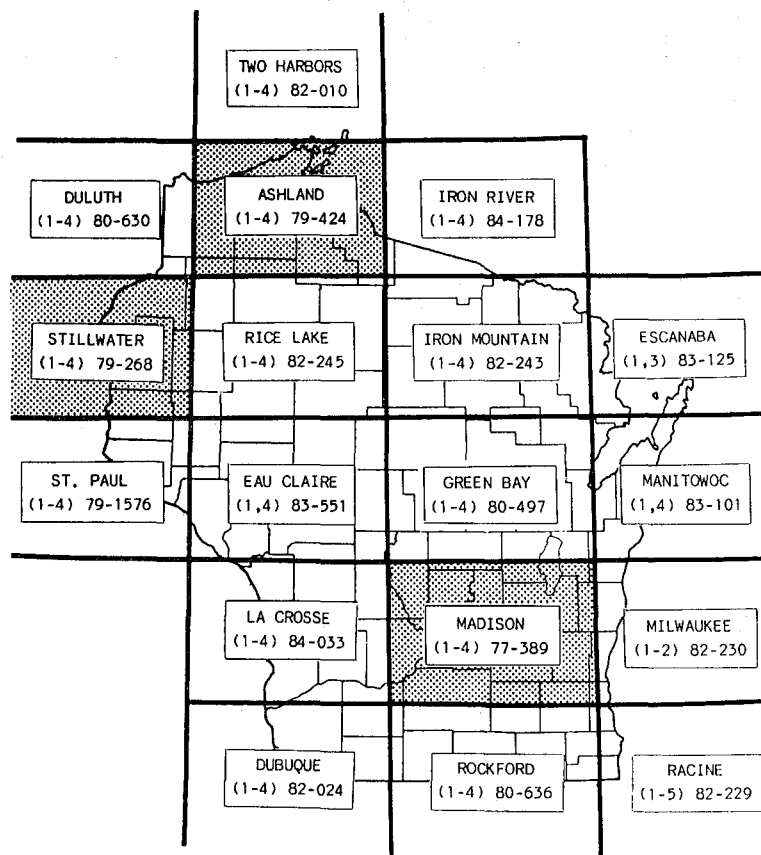
In 1975, the U.S. Geological Survey began a land use mapping program to provide land use and land cover maps and related data for the entire United States. The classification system was developed to meet the needs of Federal and State agencies for an up-to-date overview of land use and land cover. Both open-file (OF) reports and U.S. GeoData digital tapes are being produced. In addition, some L-series maps are available.

Most of the OF maps in this series have been produced by conventional interpretation techniques from high-altitude color-infrared photographs. They are keyed to the 1:250,000 topographic map series.

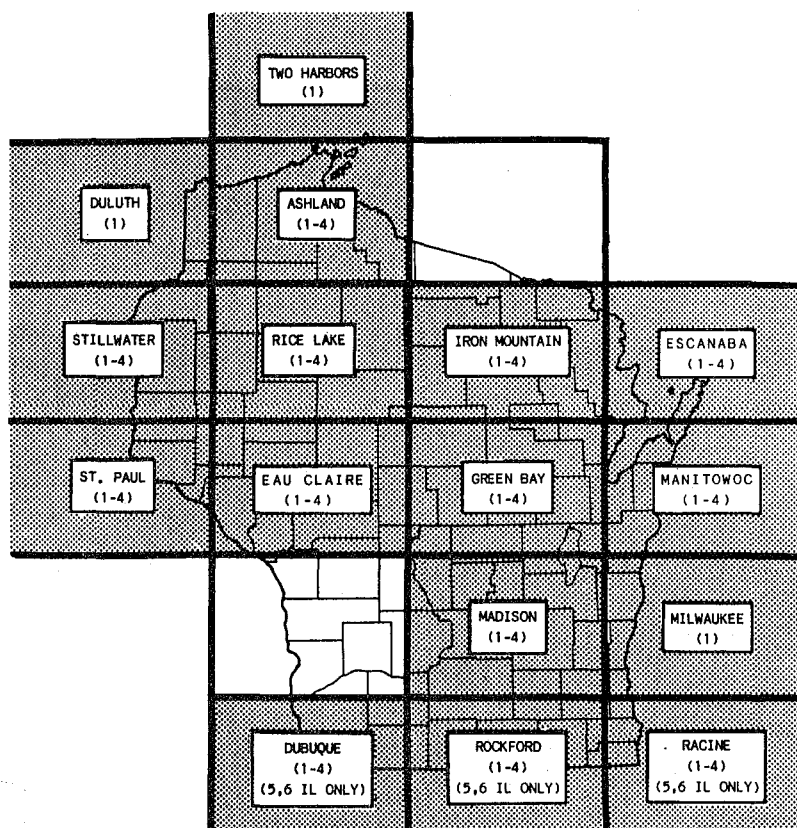
Printed L-series maps (#1 in OF series) have land use and land cover information in black over planimetric base map detail in another color.

The US GeoData digital maps are derived from the Land Use and Land Cover maps and thematic overlays that are registered to 1:250,000- and 1:100,000-scale base maps. The maps are processed through the

LAND USE/LAND COVER MAPS



AND USE/LAND COVER DIGITAL TAPES



LEGEND

ASHLAND (1-4)	Quadrangle name	US GeoData tapes available
	Associated maps available	

LEGEND

<div><div>RACINE</div><div>(1-5) 82-229</div></div>	Quadrangle name	<div></div>	Printed L-series map available
	Open-file number		
	Open-file maps available		
		<u>QUADRANGLE</u>	<u>L-SERIES #</u>
		ASHLAND	L-172
		MADISON	L-192
		STILLWATER	L-198

Geographic Information Retrieval and Analysis System (GIRAS) to produce data tapes in both vector polygon format and composite theme grid cell format. All maps are stored in the Universal Transverse Mercator (UTM) coordinate system and are available in ASCII character or IBM binary format.

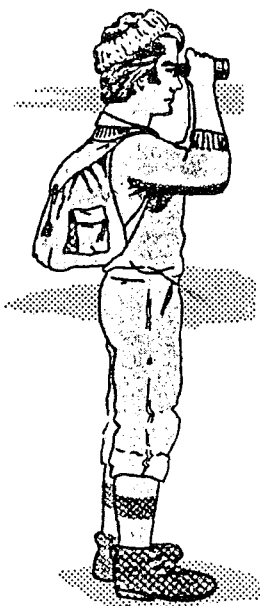
Codes for the available land use and land cover and associated maps are as follows:

- 1 Land use and land cover map
- 2 Political unit map
- 3 Hydrologic unit map
- 4 Census county subdivision map
- 5 Federal land ownership map
- 6 State land ownership map

The OF series also includes a positive of the 1:250,000 cultural base.

For more information, contact: Ed Cain, Mid-Continent Mapping Center - NCIC, U.S. Geological Survey, 1400 Independence Road, Rolla, MO 65401, phone 314/341-0857.

PAST AND COMING EVENTS



ENVIRONMENTAL STUDIES GIS SEMINAR

January 23 - May 8, 1987. The UW-Madison's Institute for Environmental Studies offers a 1 credit seminar (IES 900) entitled "Research and Educational Needs for Geographic/Land Information Systems". The spring semester seminar is held on Fridays from 1:20 to 3:15 p.m. at 122 Commerce. It will consist of a series of discussions focused on the breadth of research needs required to foster the development of the institutional, economic, and technical components of modern geographic/land information systems. For more information contact: Prof. Ben Niemann, Jr. at 608/263-6506 or 608/263-7750.

SOUTHEASTERN WISCONSIN LAND SURVEYORS

January 29th. The Society of SE Wisconsin Land Surveyors has set up the following chapter meeting schedule for 1987: January 29th, March 12th, May 14th, September 10th, October 22nd, and December 3rd. Contact Richard Stenzel (414/567-5632) for topics and location.

WISCONSIN LAND INFORMATION ASSOCIATION

February 26th, Madison, WI. The second WLIA meeting will be held at the Midway Motor Lodge from 3-5 p.m. The Wisconsin URISA Chapter is sponsoring the meeting to promote land records modernization in the state. Representatives from local government, state agencies, and related professional organizations will discuss educational activities, legislative action, and networking. Anyone with an interest in land information is invited to participate. Information on upcoming meetings is available from Christine Reinhard 608/262-6850.

DECORATIVE MAPS COURSE

March 5, Milwaukee, WI. Howard Deller, literature analyst for the American Geographic Society (AGS) Collection of the University of Wisconsin-Milwaukee's Golda Meir Library, will present a non-credit course on the history and significance of decorative cartography. "Decorative Maps and the Stories They Tell" will meet from 7:00-8:30 p.m. beginning March 5 and continuing for six Thursdays. Mr. Deller will illustrate lectures with hundreds of color slides of European and American decorative maps from 1450 to 1950. The lectures, which will emphasize the relationship between art and cartography, are sponsored by UW-Milwaukee's Department of Off-Campus Instructional Programs. Mr. Deller will offer a similar course in July through the UW-Milwaukee Elderhostel program. For more information and registration material contact: Howard Deller at 414/963-6282 or 414/963-8922.

AM/FM MEETING

March 12, Milwaukee, WI. The local Automated Mapping/Facilities Management (AM/FM) group will hold its next meeting at the Brookfield Marriott on Moorland Road, beginning at 5:30. At present, the group has not selected a theme for the meeting. For further information contact Ed Hedges, Wisconsin Power and Light, 222 W. Washington Ave., Madison, WI 53703, phone 608/252-5764.

ENGINEERING REFRESHER COURSE

March 18-20, Milwaukee, WI. This civil engineering refresher course has been designed as a fast-paced comprehensive review of the most important concepts in civil engineering. The review will assist those planning to take the Practice of Engineering (PE) examination on April 9-10, 1987 (deadline date for receipt of applications by the Wisconsin Examining Board is February 6). Although the course has generally been attended by engineers preparing for this exam, many people have used past courses to review PE principles. A review of surveying will be presented by Gilbert Roderick, Associate Professor, Civil Engineering, UW-Milwaukee, during the afternoon of March 18. The fee for enrollment is \$465; this includes program materials, texts, lunches, and refreshments. Programs will be held in the South Hall at the UW-Milwaukee Civic Center Campus, 929 North 6th Street. For further information or to reserve a place (limited enrollment) call 414/224-1833 or toll free from Wisconsin call 800/222-3623.

1987 WISCONSIN ACADEMY SYMPOSIUM: CALL FOR PAPERS

April 24-25, Ripon College, WI. The Wisconsin Academy of Sciences, Arts and Letters invites all Wisconsin faculty, graduate students, and interested individuals to submit abstracts of papers for presentation at the 1987 Annual Symposium on April 25. The Academy also invites undergraduates attending any Wisconsin college or university to submit abstracts of papers to be presented on April 24.

The Wisconsin Academy Review Committee will consider papers on any aspect of the sciences, arts or letters. Abstracts must be no more than 250 words, including title of paper and concise summary of content and conclusions. Please include name, address, telephone number of author(s), and any audio-visual equipment needed. Abstracts should be typed, double-spaced, on 8 1/2 x 11" white bond paper. They must be received no later than January 30, 1987. Abstracts for the Undergraduate Scholars Program must be received by March 2, 1987. Undergraduate abstracts must be accompanied by a written endorsement from a faculty member/sponsor. Send abstracts to the Wisconsin Academy, 1922 University Avenue, Madison, WI 53705-4099. For further information contact Laura DeRose at 608/263-1692.

PECORA XI SYMPOSIUM

May 5-7, Sioux Falls, SD. The symposium, "Satellite Land Remote Sensing - Current Programs and a Look to the Future," will open with discussions of policy concerning satellite remote sensing by leaders from federal agencies, Congress, the United Nations, industry, and universities. U.S. scientists and scientists representing international organizations will present remote sensing applications during a poster session and plenary sessions held on the second day. Representatives from leading research and development agencies and companies in Canada, Europe, India, Japan, the People's Republic of China, the U.S., and the USSR have been invited to discuss future remote sensing system plans and programs. The symposium will close with a provocative discussion of user perspectives on current programs by a panel of experts representing all sectors of the user community. The audience will be invited to participate. For more information contact: Phyllis G. Wiepking, Pecora XI Committee, EROS Data Center, Sioux Falls, SD 57198, phone 605/594-6551.

(continued next page)

EVENTS, continued

XIIth NATIONAL SURVEYING TEACHER'S CONFERENCE

July 5-10, Madison, WI. The University of Wisconsin-Madison will host the XIIth National Surveying Teacher's Conference whose theme will be "Surveying the Future". The conference will focus on educational issues in Cartography, Geodesy, Geographic Information Systems, Photogrammetry, Remote Sensing, and Surveying. The five-day conference will include plenary sessions, concurrent sessions, panel discussions, optional short courses, and lab tours.

The plenary and concurrent sessions will concentrate on educational requirements, emerging technologies and their impact on curriculums, computers in the classroom and laboratory, and many more topics. Two optional short courses on "Global Positioning Systems" and "Geographic Information Systems" are planned in connection with the conference.

The registration fee, received before June 20, 1987, is \$120 and includes program materials, break refreshments, a picnic, and banquet. After June 20th the fee is \$140.00. Enrollment is limited. For more information on the program contact: Professor Paul R. Wolf, Conference Chairman, XIIth National Surveying Teacher's Conference, Dept. of Civil and Environmental Engineering, Rm. 1204 Engineering Bldg., UW-Madison, Madison, WI 53706, 608/262-1978. For registration information contact: Ms. Maureen Sundell, Wisconsin Center, 702 Langdon Street, Madison, WI 53706, 608/262-5514.

ASPRS/ACSM/WFPLS: CALL FOR PAPERS

October 4-9, Reno, Nevada. "Prospecting New Horizons" will be the theme of the fall 1987 Convention of the American Society for Photogrammetry and Remote Sensing, the American Congress on Surveying and Mapping, and the Western Federation of Professional Land Surveyors. Convention organizers are asking for papers that: reveal unique or unusual approaches with new technologies; probe the implications of recent government actions; or explore the impact of legal liabilities and court decisions on the professions. Proposals must be typewritten in English on one side of a sheet of paper. They should describe the paper's major thrust and include its title, name(s) of author(s), position, professional affiliation, address, and telephone. Deadline: Proposals must be received by February 1, 1987.

Camera-ready manuscripts of accepted papers are due May 15, 1987. Authors may submit proposals to or request more information from: ASPRS, Sky Chamard, P.O. Box 10761, Eugene, OR 97440; ACSM, Paul Lamoreaux, Jr., 3942 Kent Way, San Francisco, CA 94080; WFPLS, Bob Cray, 4086 400th Ave. W., Oak Harbor, WA 98277.

GIS '87 SAN FRANCISCO: CALL FOR PAPERS

October 26-30, San Francisco, CA. "Into the Hands of the Decision Maker" is the theme of the second Geographic Information Systems Conference and Workshop. The American Society of Photogrammetry and Remote Sensing and the University of California-Berkeley

will co-sponsor the meeting. Please submit title and a 200-300 word description of papers planned for a 20-minute presentation. Proposals must be submitted by April 15, 1987. Final text of accepted papers is due July 30, 1987. Send proposals to: GIS -'87 San Francisco, Russell Congalton, Dept. of Forestry & Resource Management, University of California, Berkeley, CA 94720, phone 415/642-5170.



NHAP II BECOMES NAPP

Major changes are underway in the National Aerial Acquisition Programs in Wisconsin. The current National High-Altitude Photography Program (NHAP II) over Wisconsin is 70% complete. It has not been accepted from the contractor and is not yet available for purchase. The remaining 30% is scheduled to be flown in June through August of 1987.

Starting in 1987, the NHAP program will be changed to the NAPP (National Aerial Photography Program) with significant revisions. The most important of these are: larger scale photography; all photography will be color infrared (no black-and-white); partial state coverage will be available; with the new format, photography will be centered on 1/4 quads rather than whole quads; two pricing quotations (one for contributors, the other for non-contributors); a wider range of enlargements; a faster turn-around time on requests for coverage; and a choice of flight seasons.

These changes should make the photography better adapted to various state needs. The cooperative pricing intends to make the coverage more economical than that currently being planned for in-state acquisition.

The State Cartographer's Office is preparing a complete flyer with all current information, including prices, states currently in the program, contact points and a coverage diagram. Call or write to request the Wisconsin NAPP flyer.



U.S.G.S. WATER RESOURCES

The new main office number for the USGS Water Resources Division is 608/274-3535. The Division's new location is 6417 Normandy Lane, Madison, WI 53719-1133. Cartographer Greg Allord's number is 608/276-3810.

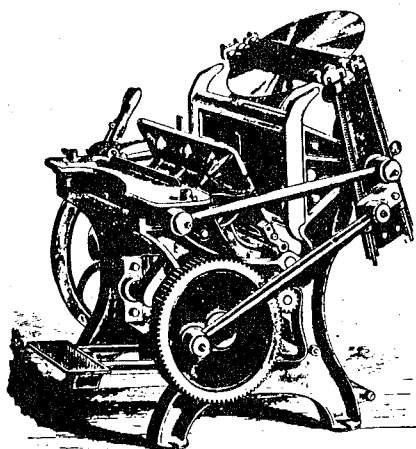
BUS TO BALTIMORE

Ron Ripp, the Dane County Surveyor, will charter a deluxe bus to Baltimore for the ACSM/ASPRS conference if there is a sufficient number of riders. Call Ron at 608/266-4251 to sign up for what promises to be a memorable trip.

LANDSAT FUNDING STATUS

Landsat customers should note that recent articles and rumors about an EOSAT shutdown and subcontract termination pertain to the future development of Landsat 6 and 7 satellites and ground systems. This is a result of no government funding for fiscal year 1987. The current Landsat 4 and 5 operations will continue as before, as these activities have been funded for the 1987 fiscal year. For further information or clarification contact Karla Sprenger, NCIC Coordinator/EDC, EROS Data Center, Sioux Falls, SD 57198, phone 605/594-6507.

NEW MAPS



STATE HIGHWAY MAP

The Dept. of Transportation will soon distribute a new state highway map. Taking a clue from some other states' "slick" highway maps, the DOT consulted a graphics designer and developed a whole new look for its official map. Copies will be available from the regional DOT offices. Or, request one from your legislator.

MADISON BUILDINGS ATLAS

The Sanborn Map Company has completed an update of its coverage for Madison, WI based on a July 1986 field survey. The 2-volume atlas contains more than 150 individual maps, which show building outlines, street addresses, building use, and construction details. The complete set of bound volumes of 17" x 22" black-and-white maps costs \$795.00. Those who have the 1977 large color atlas edition and wish to have it updated may call for a firm price quote. Individual atlas maps are also available. To obtain individual copies send a map or sketch specifying the area of your interest; you will then receive a price quote. 35mm microfilm is available on aperture cards in either black-and-white or color. For more information contact the Sanborn Map Company, Inc., A Division of Real Estate, Inc., 629 Fifth Avenue, Pelham, NY 10803, phone 914/738-1649 or 212/597-4910.

PHOTOREVISED 7 1/2' QUAD

A 1985 photorevised edition of the FOND DU LAC 7 1/2' quadrangle is now available from the USGS. Originally surveyed in 1955, its most recent photorevision date is 1985. The 1:24,000-scale map has a 10-foot contour interval. It is available for \$2.50 from the U.S. Geological Survey, Map Distribution Section, Federal Center, Box 25286, Denver, CO 80225 or the Wisconsin Geological Survey, 3817 Mineral Point Rd., Madison, WI 53705, phone 608/263-7389.

LAKE SUPERIOR RELIEF IMAGES

The Land Management Information Center (LMIC) of the Minnesota State Planning Agency has produced two colored, shaded relief images of Lake Superior and northeastern Minnesota. The images, produced for the Minnesota Historical Society, are to be part of a permanent display housed at the Split Rock Lighthouse located on Lake Superior's North Shore.

The LMIC produced the images by processing image data on its PRIME 9955 computer, then downloading this to its matrix PCR film recorder via an IBM AT to produce slides. For its display the Historical Society had 8" x 10" film positives made, from which four-by-eight foot color transparencies were created.

The LMIC can produce 35mm slide images, 8" x 10' film positives or transparencies, and 3-D mesh maps printed on high-gloss bond and tailored to customer needs. For further information and exact prices contact John Hoshal, Land Management Information Center, Minnesota State Planning Agency, 65 Metro Square Building, 7th & Robert Streets, St. Paul, MN 55101, phone 612/296-1202.

CAMPUS ACCESSIBILITY MAPS

The UW-Madison Cartography Lab has prepared a set of ten wheelchair access maps, encompassing the entire campus. The multi-colored maps, which have a scale of approximately 1" = 150', depict the rise in slope per 25' interval. Symbols portray the following: curb access, direction of slope, direction of cross slope, sheltered and unsheltered bus stops, disabled parking, information, grade level entrances with less than and more than an 8-pound pull, entry widths less than 32", elevators, telephones usable from a wheelchair, and telephones for people with hearing impairments. The maps, which fold into a 10" x 7 1/2" durable cardboard folder, were developed by Bruce Blasch, formerly with the UW-Madison Department of Rehabilitation Psychology and Special Education, Onno Brouwer, Associate Director of the Cartography Lab and Blair Mathews, an assistant dean of students. Map sets should be available in all UW-Madison department offices. They have been distributed to students, staff and faculty members with mobility and hearing impairments. People who need maps but have not received the set may contact the McBurney Resource Center at 905 University Ave., Madison, WI 53715, phone 608/263-2741 (voice/TDD).

source: WisconsinWeek, December 10, 1986.

LAKE WAPOGASSET BASE MAP

The Lake Wapogasset and Bear Trap Lake Sanitary Sewer District Map, 1986, is an example of base map projects the West Central Wisconsin Regional Planning Commission has undertaken (see Base Maps: A Planning Tool). The WCWRPC produced the map, which involved researching 153 deeds, 15 plats, and 30 certified survey maps, at the request of the Sanitary Sewer District. The map comes in two sizes and scales: 1" = 400' measuring 60" x 24" (one sheet) and 1" = 200' measuring 108" x 42" (three sheets). In addition to standard cultural features, it shows tax parcel numbers and sewer lines. The Sanitary District will take orders (a price has not yet been determined). Contact them at Lake Wapogasset and Bear Trap Lake Sanitary District, Box 12, Deronda, WI 54008, phone 715/268-7761.

MORE COUNTY MAPS AVAILABLE

Mike Czechanski reports that the Wisconsin Geological Survey has just received twenty more USGS 1:100,000-scale Wisconsin County Series Maps. This brings the total number of available county maps to 30 (see October 1986 Bulletin, p. 6). The new maps include: BUFFALO, BURNETT, DODGE, FLORENCE, FOREST, GREEN LAKE, IOWA, JACKSON, KENOSHA, LINCOLN, MENOMINEE, MILWAUKEE, OCONTO, OZAUKEE, PRICE, SAWYER, SHEBOYGAN, VERNON, WASHINGTON, and WOOD. You may purchase folded copies for \$4.00 from the Wisconsin Geological Survey, 3817 Mineral Point Road, Madison, WI 53705, phone 608/263-7389.

MAILING LIST UPDATE

In April, the SCO will begin to verify its mailing list. You won't have to do anything; the Post Office and Brenda will handle the details. However, if you could furnish us with a better, more complete address now, it would make our job easier and less expensive.

Then in July, after we have a clean mailing list, we'll include a short questionnaire with the Bulletin. We want to develop a useful data base using our mailing list so we can mail out specific notices and publications, or reach special audiences.

The struggle with ever-shrinking budgets forces us to trim our mailing list. Don't be zapped off our computerized list; please review your address label and then answer our little subscriber survey in July.

JACKSON COUNTY CATALOG

The JACKSON County Cartographic Catalog, consisting of 116 pages, is now the 42nd catalog of the series available. We are expecting to complete LINCOLN in the spring, with JUNEAU and MONROE to follow in mid-summer. Beginning with LINCOLN, catalogs will feature an expanded geologic maps section, a new library address section, a French SPOT satellite imagery page, a revised Landsat page, and more extensive footnotes and cross-references. Also appearing will be a user's guide to help people find sources more easily.

LAND RECORDS VIDEO

Confused about just what land records are? Unsure if there really is a need for improvement? Now there's a video to explain the complexity of land records, "Land Records Modernization: Issues, Applications, and Recommendations". The VHS video defines land records, explains the problem using a typical landowner's experience, and offers efficiency and cost effective recommendations. The National Geodetic Survey funded the project, with additional support from the UW-Cooperative Extension and the UW-Madison's Dept. of Landscape Architecture. The UW-Madison's Institute for Environmental Studies will handle its distribution. Its anticipated price is \$25.00. Contact Ben Niemann 608/263-7750 for more information. More details will appear in the April Bulletin.

COUNTY PLAT BOOKS

The following Wisconsin 1987 County Land Atlas and Plat Books are available for: ADAMS, BROWN, DANE, and OCONTO Counties. Recently available 1986 plat books include BUFFALO, BURNETT, COLUMBIA, MARATHON, PORTAGE, and SAWYER (see July 1986 Bulletin for additional plat books published in 1986). JUNEAU, MONROE, MANITOWOC, DUNN, LAFAYETTE, and PRICE County 1987 plat books (in that order) will be available in the next one to three months. Books cost \$20.00 each, except BUFFALO, COLUMBIA, DANE, LAFAYETTE, MANITOWOC, MONROE, PRICE, and SAWYER which cost \$18.00 each. A 10% discount applies to orders of 10-49 books. Postage and handling is \$3.00 for the first book and \$.50 for each additional book. Wisconsin residents pay a 5% sales tax (Illinois residents, 6%). All books are shipped UPS which requires a street address for delivery. Send orders and checks to: Rockford Map Publishers, Inc., P.O. Box 6126, Rockford, IL 61125, phone 800/435-0712.

GREAT LAKES INDIAN HISTORY ATLAS

Atlas of Great Lakes Indian History, 1986, edited by Helen Hornbeck Tanner, cartography by Miklos Pinther. The Atlas, described by one reviewer as "an absolute triumph", represents the culmination of ten years of research at The Newberry Library. In a sequence of thirty-three newly researched color maps, the 224-page atlas displays the movement of Indian communities from 1640 to 1871, when treaty making between the U.S. Government and Indian tribes ended. Accompanying text and illustrations provide an informative history of the land and its people. Hardcover editions are available for \$57.50. Paperback editions are expected to be available on March 12th for \$24.95. Shipping costs are extra. You can order copies from Harper and Row Publishers, Keystone Industrial Park, Scranton, PA 18512, phone (mail order) 1-800/638-3080. (Check with your local bookstore first.)

NHAP VIDEOTAPE

The USGS's EROS Data Center has released a videotape of the National High-Altitude Photography Program. The tape features Viktoras Skema, a geologist with the Pennsylvania Geological Survey, who has used NHAP photography in mapping Pennsylvania counties with bituminous coal resources. Schools, groups, or individuals interested in learning about the uses of the latest in aerial photo technology may obtain copies of the videotape. Customers should supply blank tapes to the EROS Data Center. They will copy the video in either the 3/4" Umatic or 1/2" VHS format, or you may request a copy on loan from the Center. Tapes, loan requests, and inquiries should be sent to Don Becker, Technical Information, EROS Data Center, Sioux Falls, SD 57198, phone 605/594-6175.

MAP COPYRIGHTS

The International Map Dealers Association is distributing a small brochure entitled "Questions and Answers About Map Copyrights." It is available to non-IMDA people only in a set of 10 for \$1.00. Send your dollar, or check payable to IMDA, to IMDA, P.O. Box 1789, Kankakee, IL 60901.

ADAMS COUNTY

pleistocene map, no. 3, p. 4

AERIAL PHOTOGRAPHY (see also REMOTE SENSING)

Dunn Co., no. 3, p.1
multi-county, no. 4, p. 1, 2
NHAP & NHAP II, no. 2, p. 6, 9; no. 1, p. 8

ASHLAND COUNTY

plat book, no. 3, p. 3

BARRON COUNTY

atlas, no. 3, p. 4
Cumberland map, no. 2, p. 6
pleistocene map, no. 3, p. 4
soils maps, no. 3, p. 4

BAY LAKE RPC

maps, no. 3, p. 3

BOUNDARIES, STATE

no. 1, p. 12-15

BROWN COUNTY

Green Bay maps, no. 3, p. 3; no. 2, p. 4
DNR photography, no. 4, p. 1
1:100,000 map, no. 4, p. 6

BUREAU OF LAND MANAGEMENT

no. 3, p. 2

BURNETT COUNTY

property no. sys., no. 1, p. 10

CALUMET COUNTY

plat book, no. 3, p. 3
1:100,000 map, no. 4, p. 6

CENSUS BUREAU

Ag maps, no. 1, p. 7
factbook, no. 3, p. 8
info. services, no. 3, p. 9
legal boundaries, no. 4, p. 3
1980 maps computerized, no. 4, p. 8
1990 update, no. 4, p. 3; no. 3, p. 4

CHIPPEWA COUNTY

soils map, no. 3, p. 4
1:100,000 map, no. 1, p.2

CLARK COUNTY

1:100,000 map, no.4, p. 6

COLUMBIA COUNTY

catalog, no. 4, p. 9

COMMITTEE ON STATE CARTOGRAPHY

no. 1, p. 2

COUNTY CARTOGRAPHIC CATALOGS

counties available, no. 4, p. 9

CRAWFORD COUNTY

1:100,000 maps, no. 4, p. 6

DANE COUNTY

land records, no. 4, p. 2
DNR photography, no. 4, p. 1

(continued next page)

INDEX, continued

DUNN COUNTY

aerial photog., no. 3, p. 1
1:100,000 map, no. 1, p. 2

EAU CLAIRE COUNTY

land use/land cover, no. 3, p. 3
town base maps, no. 2, p. 6
1:100,000 map, no. 1, p. 2

ESCANABA LAND USE/LAND COVER

no. 3, p. 3

FLORENCE COUNTY

historical map, no. 3, p. 3
pleistocene, no. 3, p. 4

GEODETIC CONTROL (see also SURVEYING)

Chart & Geod. Serv., no. 4, p. 9
geodetic coordinator, no. 1, p. 3
GPS, no. 1, p. 11
NAVD, no. 2, p. 8
prices, no. 4, p. 8
publications, no. 4, p. 10

JEFFERSON COUNTY

DNR photography, no. 4, p. 1
plat book, no. 3, p. 3

KENOSHA COUNTY

topo mapping, no. 3, p. 5

KEWAUNEE COUNTY

Casco, no. 3, p. 3

LAND RECORDS

BLM, no. 3, p. 2
cadastre, no. 3, p. 5, 8
committee, no. 4, p. 9
Dane Co., no. 4, p. 2
Inst. Land Info., no. 2, p. 10
Land Info. Newsletter, no. 2, p. 8
Lucinda, no. 2, p. 8
Town of Randall, no. 2, p. 8

LANDSAT

EOSAT, no. 4, p. 3
user notes, no. 3, p. 9

LANGLADE COUNTY

plat book, no. 3, p. 3
pleistocene map, no. 3, p. 4
Red River, no. 3, p. 3
soil surveys, no. 4, p. 6
1:100,000 map, no. 4, p. 6

MANITOWOC COUNTY

plat index, no. 4, p. 9
1:100,000 map, no. 4, p. 6

MAPS, AUTOMATION

atlas software, no. 2, p. 6; no. 1, p. 8
Census maps, no. 4, p. 8
digital mapping, no. 4, p. 4, 5
earth's relief digital data, no. 4, p. 10
fed. digital cartog., no. 4, p. 8
Randall project, no. 2, p. 8

MAPS, GENERAL (see also TOPOGRAPHIC MAPS)

Ag census, no. 1, p. 7
AGS Ortelius repro's, no. 3, p. 8
Bay-Lake RPC, no. 3, p. 3
bedrock, no. 1, p. 7
chart price increase, no. 3, p. 9
county plats, no. 3, p. 3
curiosity feature, no. 2, p. 3; no. 1, p. 15
FEMA format, no. 3, p. 2
glacial geologic, no. 4, p. 6
Green Bay, no. 3, p. 3; no. 2, p. 4
ice age, no. 2, p. 6; no. 1, p. 7, 8
IES climatic map proj., no. 4, p. 5
Iron River geologic, no. 4, p. 6; no. 3, p. 3; no. 2, p. 4
Lake Michigan dive chart, no. 4, p. 6
land use/land cover, no. 3, p. 3; no. 1, p. 8

magnetic declination, no. 2, p. 8
outdoor map, no. 4, p. 6
pleistocene, no. 3, p. 4
precambrian basement map, no. 3, p. 3
preservation, no. 1, p. 3
rare map facsimiles, no. 3, p. 8
relief maps, no. 4, p. 6
St. Peter Sandstone, no. 1, p. 7
soil maps, no. 3, p. 3, 4; no. 2, p. 7; no. 1, p. 4
snowmobile trails, no. 4, p. 6
tactile maps, no. 3, p. 8; no. 4, p. 6
1:100,000 status, no. 1, p. 5

MARINETTE COUNTY

no. 3, p. 3

MILWAUKEE COUNTY

America's heartland, no. 1, p. 10
topo mapping, no. 3, p. 6
UW endowment, no. 3, p. 2

OCOINTO COUNTY

farmland preservation, no. 3, p. 3

ONEIDA COUNTY

plat book, no. 3, p. 3

OUTAGAMIE COUNTY

catalog, no. 4, p. 9
1:100,000 map, no. 4, p. 6

OZAUKEE COUNTY

plat book, no. 3, p. 3
topo mapping, no. 3, p. 6

PEPIN COUNTY

1:100,000 map, no. 1, p. 2

PIERCE COUNTY

no. 1, p. 2, 3

POLK COUNTY

plat book, no. 3, p. 3
1:100,000 map, no. 1, p. 2

PORTAGE COUNTY

bedrock map, no. 1, p. 7
pleistocene map, no. 3, p. 4

PUBLICATIONS OF INTEREST

cadastre report, no. 3, p. 8
Cartomania, no. 2, p. 8
census factbook, no. 3, p. 8
Congressional Districts Atlas, no. 1, p. 11
directory of map collections, no. 1, p. 4
Earth's surface, no. 4, p. 10
GIS, exemplary sys., no. 1, p. 11
GIS Journal, no. 4, p. 10
history of cartography, no. 3, p. 8
ice age brochure, no. 2, p. 6
land title standards, no. 4, p. 10
large-scale map guidelines, no. 4, p. 9
map collections, world directory, no. 3, p. 8
NGS publications, no. 4, p. 10
Scott process color guide, no. 3, p. 8
spatial data proceedings, no. 4, p. 9
specs manual, no. 3, p. 6
SPOT newsletter, no. 3, p. 6
Wisconsin's Foundations, no. 3, p. 6
Wis. land info., no. 2, p. 8

RACINE COUNTY

topo mapping, no. 3, p. 5

REMOTE SENSING (see also LANDSAT)

EOSAT, no. 4, p. 3
McNaiers, no. 2, p. 2
satellite data users, no. 4, p. 8
SLAR imagery, no. 4, p. 3
SPOT launch, no. 2, p. 2

ROCK COUNTY

soils map, no. 3, p. 4

SAUK COUNTY

1:100,000 map, no. 4, p. 6

SHAWANO COUNTY

plat book, no. 3, p. 3

SHEBOYGAN COUNTY

plat book, no. 3, p. 2

SOIL CONSERVATION SERVICE

soil surveys, no. 4, p. 6; no. 3, p. 7; no. 2, p. 7; no. 1, p. 8

SOUTHEASTERN WIS. REG. PLAN. COMM.

no. 3, p. 5-6

STATE CARTOGRAPHER'S OFFICE

mailing updates, no. 4, p. 8
office moves, no. 3, p. 9
on road, no. 4, p. 9; no. 1, p. 2
personnel, no. 4, p. 9; no. 3, p. 9; no. 1, p. 3
regional conferences, no. 2, p. 1
Science Hall, no. 1, p. 3
specs manual, no. 3, p. 6

SURVEYING (see also GEODETIC CONTROL)

GPS and DOT, no. 1, p. 11
Land Surveyors Board, no. 4, p. 9
land office moves, no. 4, p. 8
land title standards, no. 4, p. 10
law & section lines, no. 4, p. 2
PLSS quiz, no. 1, p. 6

TAYLOR COUNTY

Potawatomi study, no. 3, p. 1
1:100,000 map, no. 4, p. 6

TOPO MAPPING COMMITTEE

no. 4, p. 1; no. 2, p. 1

TOPOGRAPHIC MAPS

indexes, no. 1, p. 8
large-scale mapping, SEWRPC, no. 3, p. 5-6
photorevised 7 1/2', no. 1, p. 7
sales outlets, no. 3, p. 10; no. 2, p. 2-4
state index/catalog books, no. 4, p. 9; no. 2, p. 6
topo commemoration, no. 2, p. 1
topo curiosity, no. 2, p. 3
1:100,000 county maps, no. 4, p. 6; no. 3, p. 3
1:100,000 quads, no. 1, p. 5

TREMPEALEAU COUNTY

1:100,000 map, no. 4, p. 6

U.S. GEOLOGICAL SURVEY

C&GS, no. 4, p. 9
distribution services, no. 3, p. 4; no. 2, p. 8
indexes, no. 2, p. 6
mid-continent conference, no. 1, p. 1, 2
new chief, no. 2, p. 8
new office, no. 3, p. 9
NMD officer, no. 4, p. 2

VERNON COUNTY

Dell on the map, no. 1, p. 6
plat book, no. 3, p. 3

VILAS COUNTY

plat book, no. 3, p. 3
pleistocene map, no. 1, p. 7

WALWORTH COUNTY

plat book, no. 3, p. 3

WASHBURN COUNTY

Spooner, no. 1, p. 7

WASHINGTON-OZAUKEE COUNTIES

plat book, no. 3, p. 3

WAUKESHA COUNTY

topo mapping, no. 3, p. 6

WISCONSIN GEOLOGICAL SURVEY (see also MAPS)

publications, no. 3, p. 4; no. 1, p. 7

WOOD COUNTY

bedrock map, no. 1, p. 7
pleistocene map, no. 3, p. 4
1:100,000 map, no. 1, p. 2

WAUPACA COUNTY

plat book, no. 3, p. 3

WAUSHARA COUNTY

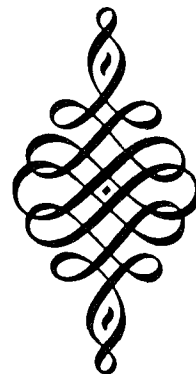
soil survey maps, no. 1, p. 8

WEST CENTRAL WIS. REG. PLAN. COMM.

maps, no. 2, p. 6

WINNEBAGO COUNTY

DNR photography, no. 4, p. 1



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