

DUNN COUNTY AERIAL PHOTOGRAPHY

Dunn County acquired current aerial photography in April 1986. Mark Hurd Aerial Survey, Inc. flew the photography using black-and-white panchromatic film. The original prints are at a scale of 1" = 2000' (1:24,000) with each 9" x 9" photo covering four township sections. The photography (non-stereo) is intended for use in zoning, planning, erosion control, and for updating tax/parcel mapping. Diazo prints of mylar enlargements at a scale of 1" = 400' and 9" x 9" photo prints should be available in August. A discount applies to requests for total county coverage. For information, prices and requests contact: Paul E. Gessler, Land Records Coordinator, Land Conservation Dept., Room 306 Courthouse, 800 Menominie, WI 54751, phone 715/232-1496

POTAWATOMI STUDY

The Northwestern Regional Planning Commission (NWRPC), in cooperation with the State Historical Society, is sponsoring a historical and archaeological survey in TAYLOR County at the site of a former Potawatomi settlement. Preliminary archival and historical research indicates the Potawatomi lived in the community, previously an abandoned logging camp, from 1870 until 1904. Other findings include photographs of some of the community leaders and maps indicating trails crossing the area.

Prior to the settlement's establishment, the federal government had moved the Potawatomi out of Wisconsin to Kansas. It is believed that as a traditional tribe they resisted assimilation and returned to Wisconsin, settling at the Taylor County site, where they lived until a smallpox epidemic infected the community. As was often the case, the Indians may have been unjustifiably blamed for bringing the epidemic to the area. Shortly thereafter, it appears that the Potawatomi left the settlement.

The survey project has received widespread support. Taylor County. the Taylor County Historical Society, the University of Wisconsin-Extension, the National Forest Service, and the NWRPC have pledged financial and inkind support. Officials of the Taylor County Community Education Center also strongly back the project. Supporters agree that the site could prove an important educational resource for communicating information about aspects of Indian culture.

(source: NWRPC 1985 Annual Report)

BUREAU OF LAND MANAGEMENT

The Eastern State Office of the U.S. Department of the Interior's Bureau of Land Management (BLM) provides information from over 7 million survey and land title records along with data from tract books for 13 public land states. These include: Alabama, Arkansas, Florida, Illinois, Indiana, Iowa, Louisiana, Michigan, Minnesota, Missouri, Mississippi, Ohio, and WISCONSIN.

Every month, the Office furnishes certified photostat copies of patents. Patents (deeds) are the documentary means by which the Federal Government transfers title of public domain land parcels to private citizens, companies, or local governments. Most requests for copies come from title attorneys and abstract companies who. before they insure title to a particular parcel of land, want to make sure the federal government no longer owns it. These records are essential to individuals or firms interested in mineral exploration for ascertaining whether the federal government reserved mineral rights when it conveyed title to the land. Many requests also come from the Southern States where many land titles were lost when county courthouses were burned during the Civil War. Land records are also valued for historical research.

To expedite its services the BLM asks members of the general public to provide the legal description of a parcel or parcels when requesting a patent copy. This includes the subdivision of the land section (i.e., NW 1/4, NE 1/4 or government lot), township number and direction (N or S), range number and direction (E or W), survey meridian, state, county and other pertinent information. One should also provide home and office telephone numbers.

The price for copies of patents or conveyance documents is \$12.00 each. Tract book pages and survey plats cost \$4.00 each. Field notes cost \$4.00 for the first page and \$1.00 for each additional page. Case file records are \$.25 per page. Regulations require that payment be received before the requested material is sent out. Therefore, opening an advance deposit account will greatly expedite an order.

Mail inquiries, orders, or applications for an advance deposit account to the: Bureau of Land Management, Eastern States Office, 350 South Pickett Street, Alexandria, VA 22304.

NEW FEMA MAP FORMAT

The Federal Emergency Management Agency (FEMA), which administers the National Flood Insurance Program (NFIP), is altering the format of its floodplain maps. The original format consists of two maps, Flood Insurance Rate Maps (FIRMS's) and Flood Boundary and Floodway Maps (FBFM's). The FIRM, used primarily by insurance agents in writing insurance policies and by the general public for determining if a structure is located within the floodplain, delineates the 100-year flood boundaries, 100-year elevations, and zones rated for insurance purposes. The FBFM delineates the 100-year floodplain boundaries, the 100-year floodway (that portion of the overbank floodplain carrying most of the flood) boundaries, and the locations of stream valley cross sections used to determine flood elevation.

FEMA's new format combines the information depicted by the FIRM and FBFM on one map. Implementation of the one map format began in October 1985 and has been limited to communities for which new studies are being prepared. In 1988 FEMA will begin to retrofit original maps.

The new single maps include an alphanumeric grid system to determine which streets and roads are in the flood hazard area. Flood-prone streets are indexed and major landmarks depicted so that individual properties can be easily located. Crosshatching signifies the floodplain and a dashed line plus shading with a half-tone screen delineates the 500-year flood boundary. Cross sections and 100-year flood elevations are displayed as in the original format. FEMA's new format identifies the elevation reference marks, but descriptions of the marks are now included in the narrative.

Another major change for the new format floodplain maps is that they will be published on a county-wide basis that includes all the incorporated communities within a county. That is, new maps will show flood information beyond the corporate limits of municipalities. A frequently heard complaint about FEMA maps has been that they simply stop at municipal limits. County-wide mapping will also address the problems of the unavailability of maps of groups of communities sharing a common watershed or floodplain, and of cases in which FEMA separately maps municipalities or counties with a common stream as the boundary. County-wide mapping is intended to promote a regional floodplain management perspective. FEMA wil(introduce the new method on a case jcase basis according to cost effectiveness in 1987. For many counties in which most communities are already mapped the new method may be a foregone opportunity, at least in 1987. Counties with large urban communities, such as Milwaukee or Waukesha counties, will be the best candidates in the coming years. If extensive restudies or revisions are anticipated in a particular county the opportunity to switch to the countywide approach exists.

For specific information on FEMA mapping in Wisconsin contact Bob Watson, Wisconsin DNR, Floodplain/Shoreline Management, phone 608/266-8037.

(source: <u>Illinois Mapnotes</u>, Issue no. 7, and personal communication)

UW-MILWAUKEE ENDOWMENT

One of the UWM Geography Department's highest priorities is to bring exp visiting lecturers to the campus. lack of funds, however, has stymied this effort. Professor Harold Mayer and his wife, Florence Mayer, decided to alleviate the problem by providing an endowment. As a result, the Harold and Florence Mayer Distinguished Geographical Lecture Series will begin in 1986-87.

The endowment will be used to provide honoraria and to pay the expenses of visiting lecturers who will give public lectures sponsored by the Geography Department. Graduate geography faculty will invite experts who are distinguished for their contributions to geography or a closely related field, or who are known for their applications of the science to business, government, or the arts.

Professor Mayer has taught at UWM for 12 years. He was a long-time faculty member at the University of Chicago and also taught at Kent State University. A specialist in urban geography and transportation, Mayer served as director of research for the Chicago Planning Commission and held a similar post in Philadelphia.

Even though he recently turned 70, Professor Mayer plans to remain an active faculty member at UWM and to see his endowed lecture series flourish.



LAND USE/LAND COVER

The following land use, land cover, and associated maps are available as open-file (OF) publications from the USGS, Mid-Continent Mapping Center, 1400 Independence Road, Rolla, MO 65401:

ESCANABA, MI, WI; Lat. 45° to 46°, ong. 86° to 88°; OF #83-0125 MICHIGAN A WISCONSIN.

EAU CLAIRE, WI, MN; Lat. 44° to 45°, Long. 90° to 92°; OF #83-0551 WISCONSIN & MINNESOTA.

Data sets for the two quadrangles consist of five stable base reproducibles keyed to the appropriate U.S.G.S. topographic map at 1:250,000. The maps are (1) land use and land cover, (2) political unit, (3) hydrological units, (4) census county subdivision, and (5) planimetric base. Each is available as a diazo print for \$4.00. Film positives of the maps or the cultural base may be purchased for \$40.00 each. The open-file number, title, and prepayment (add \$1.00 postage and handling for orders under \$10.00) are required to order.

PRECAMBRIAN BASEMENT MAP

Precambrian Basement Map of the Northern Mid-Continent, USA. This 1:1,000,000-scale map accompanies a 16-page open-file report compiled by P.K. Sims, which is available in paper for \$9.75 or on microfiche for \$4.75. To purchase the report specify the open-file report number OF 85-0604, the full title, and send a check or oney order payable to the Department of the Interior-USGS, to: U.S. Geological Survey Books and Open-File Reports Section, Federal Center, Bldg. 41, Box 25425, Denver, CO 80225.

IRON RIVER GEOLOGIC MAP

Surficial Geologic Map of the Iron River 1° by 2° Quadrangle, Michigan and Wisconsin, by W.L. Peterson, 1985. The 1:250,000-scale map (lat. 46° to 47°, long. 88° to 90°) measures 41" by 49" and shows the distribution of glacial landforms, glacial sediments, and alluvium. Additional features include diagrams describing ice lobe movements and the history of glacial lakes in the northern part of the quadrangle, cross sections showing subsurface distribution of glacial sediments, and a small map depicting red, gray, and brown till distribution. The map can be obtained by sending \$3.10 (plus \$1.00 for postage and handling) payable to the U.S. Geological Survey, and specifying ordering code I-1360-C, MICHIGAN, WISCONSIN to: U.S. Geological Survey Map Distribution Section, Federal Center, Bldg. 41, Box 25286, Denver, CO 80225.

COUNTY PLAT BOOKS

The following 1986 <u>County Land Atlas</u> and Plat Books are available for Wisconsin: ASHLAND, CALUMET, JEFFERSON, LANGLADE, ONEIDA, POLK, SHAWANO, SHEBOYGAN, VERNON, VILAS, WALWORTH, WASHINGTON-OZAUKEE, and WAUPACA. Books cost \$20.00 each, except ONEIDA, SHEBOYGAN, and VILAS which cost \$18.00 each. A 10% discount applies to orders of 10-49 books and a 20% discount to orders of 50 or more. 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, and a street address is required for delivery. Send orders and checks to: Rockford Map Publishers, Inc., P.O. Box 6126, Rockford, IL 61125, phone 800/435-0712.

1:100,000 COUNTY TOPO UPDATE

The WGS has received sets of production negatives for 31 1:100,000scale county topographic maps and several more sets are expected imminently. The 31 counties are: ADAMS, BARRON, BUFFALO, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DUNN, EAU CLAIRE, JUNEAU, KEWAUNEE, LA CROSSE, LANGLADE, MANITOWOC, MARQUETTE, MENOMINEE, MONROE, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, RICHLAND, RUSK, SAUK, TAYLOR, TREMPEALEAU, VERNON, WAUPACA, and WOOD. We have not yet received information about when published litho copies will be available.

BAY OF GREEN BAY MAPS

Mark Kolb of the Green Bay Map Company is compiling 30 detailed maps covering the Bay area for use by sport fishers, boaters, and divers. The page-size, laminated maps are waterproof and designed to fit in 3-ring binders for easy reference. Features include a compass rose showing magnetic variation, Loran locations, bouys, emergency numbers, fishing information, narrative on the bottom structure (submerged reefs, etc.), and vernacular names of Bay islands. Although the maps are not for navigational purposes they feature National Ocean Service depth soundings, and show depths in deeper water with greater detail and frequency than conventional NOAA charts. Scales for the maps will vary according to the area depicted. Individual maps cost \$1.95. The areas of the Fox River-DePere Dam, Larson's Reef, and Sturgeon Bay are currently available. Soon to be released are Oconto, Dyckesville, and Marinette. For more information or orders contact: Mark Kolb, Green Bay Map Co., 1303 South Webster Ave., Green Bay, WI 54301, phone 414/437-6277.

BAY-LAKE REGIONAL PLANNING MAPS

All orders for the following maps can be placed by writing or calling the Bay-Lake Regional Planning Commission, Suite 450, S.E. Bldg., U.W.G.B., Green Bay, WI 54301-7001, phone 414/465-2135. Your order will be invoiced to you for the cost of materials ordered plus postage.

Oconto County Farmland Preservation Maps, 1985, 1" = 2000'; the maps include (1) Base, (2) Land Use, (3) Septic Tank Suitability, (4) Agricultural Production, (5) Ownership, and (6) Zoning maps for 31 congressional townships. Maps are available for \$2.00 each.

Town of Red River Zoning Map, 1985 and Town of Casco Zoning Map, 1985. Both maps have a 1" = 800' scale and each sells for \$6.00.

Florence County Historical Survey Maps, 1985, and City of Marinette Historical Survey Map, 1985. The former maps were produced on a U.S.G.S. quadrangle base, the latter map on a City of Marinette D.O.T. base. The maps were produced for inhouse use by the Bay-Lake Regional Planning Commission and are not reproducible. They can be viewed at the Bay-Lake Office. The Wisconsin Geological Survey, however, maintains a copy of the Marinette map.

(continued)

NEW MAPS, continued

FORTHCOMING FROM THE WGS

The following maps are in various stages of preparation according to Mike Czechanski, WGS staff cartographer. More information is available from; the Wisconsin Geological Survey, 3817 Mineral Point Road, Madison, WI 53705, phone 608/263-7393.

COUNTY PLEISTOCENE MAPS

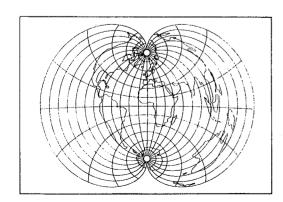
WGS has completed pleistocene geology maps of ADAMS, BARRON, FLORENCE, LANGLADE, PORTAGE, and WOOD Counties. The maps, which have been prepared in conjunction with WGS Information Circulars, have a 1:100,000-scale. They are expected to be available in late summer or early fall.

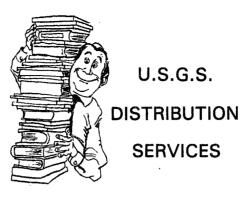
COUNTY SOIL MAPS

WGS soil scientists have designed a new system for evaluating the pollutant attenuating abilities of soils. Interpretive maps at a 1:100,000-scale for BARRON, CHIPPEWA, and ROCK Counties are complete. WGS expects to have the first of the three maps, Barron, published in late August or early September.

BARRON COUNTY ATLAS

WGS hydrogeologists are preparing the first complete atlas for Barron County; this will be a prototype for other county atlases. The following list comprises the expected categories of sheets and the number of sheets per category the WGS hopes to include in the atlas: general features (9 sheets), soils (2), Pleistocene geology (2), bedrock geology (4), hydrogeology (6), water levels (4), water table (2), water quality (8), pollution sources (7), and pollution potential (1). Most featured maps will have scales of 1:250,000 with the remainder at 1:100,000. Publication is expected at the end of 1986.





The U.S. Geological Survey has begun consolidating its facilities for the nationwide distribution of maps, scientific books and reports, and general-interest publications into a single building in suburban Denver. The move is expected to save \$1 million per year in operating costs.

As a result the U.S.G.S. Eastern Distribution Branch will be phased out. The facilities at 1200 South Eads Street in Arlington, VA (map sales and distribution) and 604 South Pickett Street in Alexandria, VA (sales and distribution of professional papers, bulletins, circulars, and other book products), will close. The Eastern Branch will merge with the Western Distribution Branch, now in Building 41 at the Denver Federal Center pending a final relocation to Building 810, a former regional, federal supply warehouse.

Over-the-counter sales ended May 1, 1986 at the Arlington, VA facility and mail-order processing was discontinued July 1, 1986. All sales except books ended at the Alexandria, VA facility on April 21, 1986; U.S.G.S. will discontinue book sales there on September 21, 1986.

After consolidation, map distribution services for all states will be provided by the U.S. Geological Survey, Map Distribution Section, Federal Center, Box 25286, Denver, CO 80225.

Distribution services for book products will be handled by the U.S. Geological Survey, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, CO 80225. Over-thecounter sales for maps and book products will be in Building 41 at the Denver Federal Center until relocation to Building 810. Two U.S.G.S. Public Inquiries Offices in the Washington, D.C. area will continue to sell limited numbers of maps and books, but large orders should be directed to the consolidated facility in Denver.

The consolidation will not affect customer service at more than 2800 private map dealers who sell U.S.G.S. topographic maps, and who continue to provide this service in their respective regions. 1990 CENSUS UPDATE

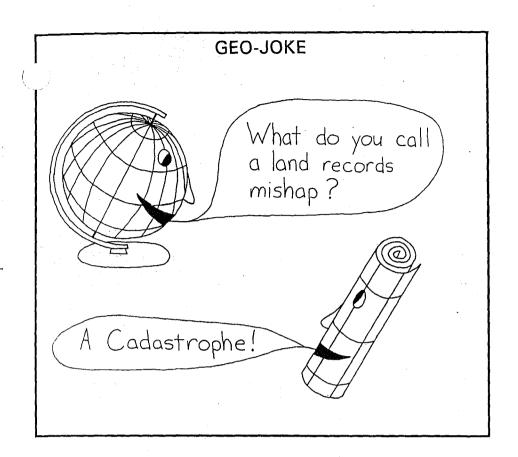


In preparation for the 1990 Census, the Bureau of the Census has begun the process of dividing the entire nation into blocks. A block is the smallest geographic unit for which census data is available. In metropolitan areas a block usually conforms to a city block. In nonmetropolitan areas a block is a geographic area bounded by some physical features, such as roads or waterways. Several combined blocks form block groups which contain approximately 300 housing units. metropolitan areas block groups are combined to form census tracts. In nonmetropolitan areas block groups are combined into block numbering areas which are usually limited to about 1500 housing units.

To assure greater accuracy, the Census Bureau solicits states' assistance in the Block Numbering Area (BNA)/Block Group (BG) process. States can participate in one of two ways: (1) propose BNAs and BGs to the Bureau or (2) review BNAs and BGs proposed by the Bureau and recommend boundary adjustments. Wisconsin has opted for the second alternative.

The Wisconsin Department of Administration, as the official state coordinating agency for the BNA/BG process, is working with the state's regional planning commissions (RPCs) to review block boundaries. Department of Transportation maps with proposed BNA/BG boundaries were sent in March to the RPCs for review. For those counties not represented by an RPC, maps were sent either to the county planner or county extension agent. The BNA/BG process was completed in June. For more information on the BNA/BG process contact Bob Naylor, Demographic Services Center, 608/266-1927.

(source: <u>Wisconsin State Data</u> <u>Center News</u>, Winter/Spring 1986)



CADASTRE LEAD AGENCY DESIGNATED

A Budget Reconciliation bill (P.L.99-272) recently signed into law included legislation designating the National Oceanic and Atmospheric Administration's (NOAA) Office of Charting and Geodetic Services (C&GS), acting through the Federal Geodetic Control Committee (FGCC), as the principal federal agency for developing a multipurpose cadastre. The Senate report on an earlier Senate version of the bill includes the following language from the 1980 National Academy of Sciences report on multipurpose cadastres:

"NOAA's Office of Charting and Geodetic Services performs important functions relating to land information systems. In order to improve cost effectiveness, efficiency, and productivity of the Nation's land record system, the Committee notes that the Office of Charting and Geodetic Services, acting through the Federal Geodetic Control Committee (FGCC), will be roviding leadership and enlisting

e support and cooperation of other rederal agencies, state and local government, and any public or private organizations, in the development of a multipurpose land information system. Such a system will include: a reference frame consisting of a geodetic network; a series of current large-scale maps; a cadastral overlay delineating all cadastral parcels; a unique identifying number assigned to each parcel issued as a common index of all land records in information systems; and a series of land data files, each including a parcel identifier for purposes of information retrieval and linking with information in other data files.

The legislature action means Congress and the president recognize the need to coordinate federal surveying mapping and other land related data bases, and the need for one agency to lead these efforts, as suggested by the National Academy and endorsed by the American Congress on Surveying and Mapping (ACSM) and the American Society for Photogrammetry and Remote Sensing (ASPRS) as part of their 1985 cadastre task force report.

(source: <u>Field Notes</u>, April 1986 ACSM and ASPRS)

LARGE-SCALE TOPO MAPPING IN SEWRPC COUNTIES

The Southeastern Wisconsin Regional Planning Commission (SEWRPC) has long recommended that the county and municipal governments within its seven-county region prepare largescale topographic maps to National Map Accuracy Standards. The maps are to be prepared photogrammetrically to National Map Accuracy Standards and are to be based upon a SEWRPC recommended monumented control survey network. The control network relates the U.S. Public Land Survey system to the State Plane Coordinate System.

The topographic maps and attendant survey control will prove helpful in aspects of county planning, local public works engineering, and in private land development. The county programs represent an important capital investment on the part of SEWRPC counties, providing a foundation for the eventual creation of modern automated land record systems. In 1976, RACINE County became the first county in the SEWRPC region to complete such a mapping and control survey program.

Like Racine's program, the programs of Kenosha, Waukesha, and Ozaukee Counties are designed to prepare 1 inch equals 200 feet scale, 2-foot contour interval, topographic maps.

KENOSHA County began its large-scale countywide topographic mapping and control survey program in 1980. Upon completion of an additional 20 square miles of mapping under the county program in 1986, large-scale topo maps will have been prepared for 258 square miles or 93 percent of the county's total area. The county will recover, monument, and place an additional 45 U.S. Public Land Survey section and quarter-section corners on the State Plane Coordinate System for a total of 1,155 corners or 96 percent of such corners in the county. Kenosha County provided basic funding for the program with supplemental funding from the Wisconsin Department of Natural Resources under the State Floodplain and Shoreland Mapping Program (eliminated by the State Legislature in early 1986), and from the National Oceanic and Atmospheric Administration's Coastal Management Program. County officials hope to complete large-scale topo mapping during the next two years. (continued)

SEWRPC MAPPING, continued

WAUKESHA County, which began its program in 1981, will complete mapping of an additional 32.25 square miles in 1986 for a total of 297 square miles or 51 percent of the county's total area. The 1986 program includes revision of large-scale topographic mapping of 33.75 square miles prepared under previous regional and municipal programs. The county will recover, monument, and place an additional 125 U.S. Public Land Survey section and quarter-section corners on the State Plane Coordinate System for a total of 1.517 or 60 percent of the county's corners. Waukesha County contributed basic funding for the programs, with additional monies provided by the DNR, the Cities of Brookfield and Waukesha, the Towns of Lisbon and Pewaukee, and the Villages of Dousman and Sussex.

In 1986 OZAUKEE County is undertaking a mapping and control survey program along selected reaches of the Milwaukee River, Cedar Creek, and Mole Creek. With the completion of 15.50 square miles of new large-scale topographic maps, the county's program and previous regional and municipal programs will have mapped 66 square miles or 28 percent of the county. In addition, the county will revise 2 square miles of previously prepared topographic mapping. Recovery, monumentation, and placement of 69 U.S. Public Land Survey section and quarter-section corners on the State Plane Coordinate System will result in a total of 363 corners, or 34 percent of the county's corners. Ozaukee County will provide basic funding for the program, with supplemental funding coming from the Federal Emergency Management Agency and the Village of Saukville.

MILWAUKEE County is undertaking two large-scale topographic mapping and control survey programs in 1986: the Lake Michigan coastal area and the Lincoln Creek drainage basin program in the northeastern and north-central portions of the county. The programs are designed to prepare 1 inch equals 100 feet scale, 2-foot contour interval topographic maps based on the monumented control survey network.

The Lake Michigan coastal area program includes preparation of new topographic maps for a 2.50-squaremile area, and recovery, monumentation, and placement of 26 U.S. Public Land Survey section and quarter-section corners on the State Plane Coordinate System. The maps are being prepared as part of a coastal erosion control study. Funding for mapping and control surveying is being provided by the National Oceanic and Atmospheric Administration under the Federal Coastal Management Program, by Milwaukee County, and by the Villages of Fox Point, Shorewood, and Whitefish Bay.

The Lincoln Creek area program encompasses the preparation of topo maps for an 8.50-square-mile area and recovery, monumentation, and placement of 53 U.S. Public Land Survey section and quarter section corners. The Milwaukee Metropolitan Sewerage District is funding the program. The maps will assist engineering studies to precisely determine the location and configuration of channelization improvements along Lincoln Creek. They will also prove useful in implementing City of Milwaukee floodplain zoning, as well as in planning, public works engineering, and private land development.

A total of 124 square miles, or 51 percent of the Nilwaukee County will have been mapped under the county program and previous regional and municipal programs with the completion of the new topo mapping. The two programs will add 79 U.S. Public Land Survey section and quarter-section corners to the State Plane Coordinate System for a total of 847 corners, or 80 percent of the county's corners.

SEWRPC features a complete report on the mapping and control survey programs in its March-April 1986 "SEWRPC Newsletter". <u>Wisconsin</u> <u>Mapping Bulletin</u> featured articles on large-scale topographic mapping and survey control in the SEWRPC counties in the October 1985, October 1984, and July 1983 editions. For additional information contact the Southeastern Wisconsin Regional Planning Commission, Old Courthouse, P.O. Box 769, Waukesha, WI 53187-1607, phone 414/547-6721.





OF INTEREST

COUNTY CATALOG SPECS MANUAL

Production Specifications and Guidelines for the Wisconsin County Cartographic Catalog Series, 1986 by C. Reinhard, M. Balikov, J. Laedlein. This manual explains in detail the production of the county cartographic catalogs. It covers compilation, drafting, editing, policies and procedures. Instructions are given for the preparation of each county catalog page. The 230-page manual is available free-of-charge to libraries, cartography departments, and educators. Send your requests to Christine Reinhard, Catalog Editor, at the State Cartographer's Office.

WISCONSIN'S FOUNDATIONS

Wisconsin's Foundations: A Review of the State's Geology and its Influence on Geography and Human Activity, 1 by Gwen M. Schultz, explains Wisconsin's geology and its effects on the people who live, work, and travel there. Foundations combines field work with a survey of geologic literature to create a comprehensive resource for the casual to the scholarly reader. Gwen Schultz is an Associate Professor of Geography at the University of Wisconsin-Madison and has received awards for her science writing. The 224-page book includes hundreds of photos and drawings, numerous color plates, diagrams, charts, and a complete glossary. It is available in paper for \$19.95 from Kendall/Hunt Publishing Co., 2460 Kerper Boulevard, Dubuque, Iowa 52001, phone 319/588-1451. Science educators may receive a copy of the book free for 30 days for consideration as a classroom or personal resource.

SPOT NEWSLETTER

With the publication of its new quarterly newsletter, "SPOTLIGHT", the SPOT Image Corporation intends to open an active line of communication with its clients, U.S. users of data and imagery from the world's first commercial remote sensing satellite For information about the newslett(or SPOT data and fees, write: SPOT Image Corporation, 1897 Preston White Drive, Reston, VA 22091-4326, phone 703/620-2200.

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July 1096

STATUS OF SOIL SURVEYS: RESPONSES

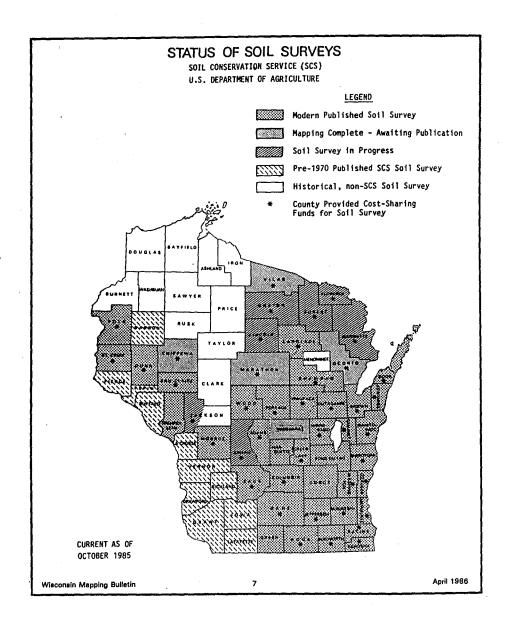
Kurt W. Bauer, Executive Director of the Southeastern Wisconsin Regional Planning Commission (SEWRPC), wrote to us to provide additional information concerning the "Status of Soil Surveys", graphic published in the April 1986 <u>Bulletin</u>. The graphic depicts the seven SEWRPC counties as having provided cost-sharing funds for soil surveys. Mr. Bauer would like us to note that:

"these surveys were completed for the entire 2,689-square-mile region under a cooperative program managed by this Commission (SEWRPC) and funded by this Commission itself, the counties, the Wisconsin Department of Transportation, the then U.S. Bureau of Public Roads, and the then U.S. Housing and Home Finance Agency, as well as the U.S. Soil Conservation Service itself. The program, however, was unique in that the U.S. Soil Conservation Service prepared the mapping to specifications prepared by this Commission--specifications which differed markedly from the standard cifications used by that agency--

the surveys were accompanied for the first time in Wisconsin with a wide range of interpretations for urban, as well as rural, planning application, and for engineering application.

Indeed, the program was a pioneering one in the United States at the time and attracted much attention nationally and internationally not only because of its sheer scale and technical content but because of the cooperative intergovernmental funding involved."

The soil survey status graphic also invited a response from Wayne Gibson of the Wisconsin DNR, who provided us with a reference to a BAYFIELD County Soil Survey Reconnaissance book (U.S.D.A., Soil Conservation Service Series 1939, No. 30, issued April 1961). The source of our graphic, the SCS's "Status of Soil Surveys. Wisconsin" October 1985, shows Bayfield as one of 13 counties having "No Soil Survey in Progress". Our graphic modified this category to read "Historical, non-SCS Survey" as the counties we show in this category, excepting Bayfield, had reconnaissance vs prior to the founding of the 30 1 1935. According to the -30. ategories we use, Bayfield County should be depicted as having a "Pre-970 Published SCS Soil Survey".



Recent changes in the classifications the SCS uses on their soil survey status maps may help to explain why our modification of their categories let Bayfield slip through the cracks. A look at the October 1983 edition of the SCS map will show the counties now depicted as having "No Soil Survey in Progress", as having had a "Reconnaissance Soil Survey". Many of these reconnaissance surveys, principally for Northwestern Wisconsin counties, were conducted in the early 1900's. The SCS no longer includes this category, reasoning that it would give the misleading impression that surveys exist for these counties when such surveys are inadequate for any detailed planning purposes. While Bayfield has a SCS survey, this reconnaissance survey was compiled in the 1920's and 1930's and thus it too is inadequate for planning needs.

The new January 1986 SCS soil survey status graphic reflects this concern for planning needs by now distinguishing between counties having a "Soil Survey Published After 1969". This latter category comprises ten counties in West Central and Southwestern Wisconsin, plus BARRON County.

Our April <u>Bulletin</u> graphic uses categories very similar to SCS's January 1986 graphic (received in June '86). One possible solution to the problem Wayne Gibson brought to light would be to delete "non-SCS" from the category we call "Historical, non-SCS Soil Survey". If there's still some confusion, please contact Frank Anderson at the Soil Conservation Service, 4601 Hammersley Road, Madison, WI 53711, phone 608/264-5587.

PUBLICATIONS, continued

HISTORY OF CARTOGRAPHY, VOLUME ONE The History of Cartography, edited by J.B. Harley and David Woodward, is an ambitious six-volume project representing the first comprehensive history of maps and mapping worldwide from pre-history to the present. Each volume will be amply illustrated with color and black-and-white reproductions of original maps. Other features include extensive bibliographies, appendixes listing surviving maps, maps illustrating locations referred to in the text, and complete subject and name indexing.

The first volume, now available from the University of Chicago Press, presents a critical synthesis of mapping in Europe and the Mediterranean basin from its earliest prehistoric manifestations through the High Middle Ages. The 592-page, hardbound volume includes 36 color plates and 200 halftones. It sells for an estimated \$55.00 from the University of Chicago Press, 11030 S. Langley Avenue, Chicago, IL 60628, phone 312/621-2736.

AGS ORTELIUS REPRODUCTIONS

The American Geographical Society Collection is making available a limited edition of four maps from the English edition of Abraham Ortelius' famous atlas <u>Theatrum Orbis Terrarum</u> published in London in 1606: Typus Orbis Terrarum, 1587, plate #1; Americae Sive Novi Orbis, 1587, plate #5;

Europam, Sive Celticam Veteram, 1595,
plate #viij;

Maris Pacifici, 1589, plate #6. Accompanied by a handsome "Prospectus" and a certificate of authenticity, the reproductions are printed by a fourcolor Heidelberg press on acid free, archival quality paper. Orders will be mailed, postpaid, and specially packaged. The price of \$100 for a set of four maps is a contribution to the friends of the UW-Milwaukee Golda Meir Library and is tax deductible as allowed by tax laws. For information call the AGS Collection toll free at 800/558-8993 or, in Wisconsin, at 414/963-6282.

SCOTT PROCESS COLOR GUIDE

The 12" x 12" <u>Guide</u> displays some 5000 colors produced by superimposing the four basic process inks in the form of solids and screen tints from 5% to 100%. Each color is identified by the different percentages of its color components. Useful suggestions and directions are offered. Copies can be obtained for \$20.00 each, tax included, from S.D. Scott Printing Co., Inc., 145 Hudson Street, New York, NY 10013.

TACTILE MAPS DIRECTORY

The International Directory of Tactile <u>Map Collections</u> presents the first comprehensive list of tactile maps available for use, loan, or sale throughout the world. The maps range from typical world maps and maps of cities and countries, to very specialized ones, such as a "Nautical Chart of the Apostle Islands." The <u>Directory</u> is available at no cost from the National Library Service for the Blind and Physically Handicapped, Library of Congress, Washington, D.C. 20542.

MAP COLLECTIONS WORLD DIRECTORY

The second and greatly expanded edition of the IFLA World Directory of Map Collections features important collections of all kinds in 65 countries. Each directory entry lists the name of the collection, address, telephone and telex numbers, date of founding and collection history, size and format (including roll maps and microforms for the first time), cataloging systems, reader facilities, reference services, conservation procedures, and details on staff, reproduction services, and interlibrary loans. The directory costs \$36.00 and is distributed in North and South America by K.G. Saur, Inc., 175 Fifth Ave., New York, NY 10010, phone 212/982-1302.

CENSUS BUREAU FACTBOOK

This yearly Census Bureau publication, the Statistical Abstract of the United States, offers data on income, education, occupations, health, religion, and leisure, as well as information on guides to other statistical publications and sources. The 1986 version has some 1000 pages and 1600 tables. Paperback copies of the 1986 abstract may be purchased for \$22.00 each (GPO Stock No. 003-024-06368-9), clothbound copies for \$27.00 each (GPO Stock No. 003-024-0369-7) prepaid from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, or from GPO bookstores in major cities. Holders of a Master Card, Visa, or a GPO account number may phone orders to 202/783-3238.

CADASTRE MARKET REPORT

The first in-depth report on the cadastre market estimates that utilities and local government will spend up to \$90 billion between now and the year 2000 to automate their mapping facilities records system. Written by ACSM-ASPRS member Jerry Robinson, the 1986 Intelligent Infrastructure Market Report says the cadastre, or "intelligent infrastructure", is a "huge emerging market that dwarfs even the interstate highway program" and is "the biggest thing ever in U.S. surveying, mapping and civil engineering."

(source: <u>Field Notes</u>, April 1986, ACSM, and ASPRS)

RARE MAP FACSIMILES

The Library of Congress offers the following facsimiles of four rare maps housed in its Geography and Map Division collection. Each facsimile uses the finest color printing on heavy paper stock, and is accompanied by a descriptive pamphlet written by a Map Division specialist.

The Mediterranean (item #Clr). Produced in 1559 by a Majorcan cartographer, Mateo Prunes, it is highly decorated with bold pictorial representations of cities, kings, and exotic animals. It measures 27" x 39" and costs \$20.00.

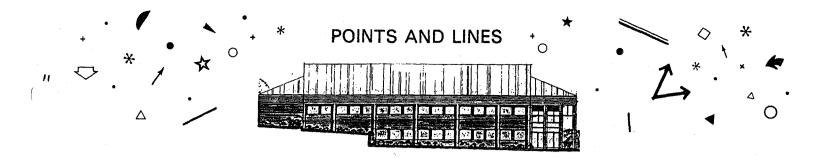
World Map (Agnese) (item #C2r). This map, produced by Genoese mapmaker Battista Agnese, shows Magellan's circumnavigation and a route from Spain to Peru. Measuring 9 3/4" x 13 5/8" it costs \$10.00.

The North Pacific (item #C85m1). This chart is from the Portuguese "secret atlas" compiled in 1630 by Joao Teixeira Albernaz I, the most notable Portuguese cartographer of the early 17th century. The chart displays an 8-point compass rose, crisscrossing rhumb lines, and degrees of latitude. It measures 31 1/2" x 20 3/4" and it costs \$20.00.

World Map (Forlani) (item #C85m2). It is an excellent example of the maps/ printed from copper plates in mid-16 century Italy. Produced by Paolo Forlani of Verona and published by Venetian Ferdinando Bertelli in 1565, the map is decorated with windheads, sea monsters, ships, and land animals; it also depicts the legendary Seven Cities of Cibolo in the American Southwest. Measuring 34 1/4" x 22 1/2", it costs \$20.00.

To order, send a check or money order payable to The Library of Congress, Library of Congress Information Office, Box A, Washington, D.C. 20540, phone (ordering information) 202/287-5112. When ordering indicate item #, description, price (may be subject to change) and quantity. Add a \$2.00 shipping fee for U.S. orders (foreign orders \$6.00). Payment by check must be in U.S. dollars drawn on a U.S. bank. International money orders are not acceptable.





LANDSAT USER "NOTES" ENDS

The National Oceanic and Atmospheric Administration's (NOAA) "Landsat Data Users NOTES" ended with its March 1986 issue. NOAA produced issues 25 through 35, including a supplemental issue. Earlier issues were published by the U.S.G.S.'s EROS Data Center. The Earth Observation Satellite Company (EOSAT) intends to provide Landsat users with its own newsletter. Those currently receiving "Notes" will automatically receive EOSAT's newsletter. For information write or call: EOSAT Subscription Services. 4300 Forbes Blvd., Lanham, MD 20706, phone 800/344-9933.

OFFICE MOVES

The main office of the State Cartographer's Office will move across the hall to better, more comfortable quarters in August. The only change is the room number; it will be 155 Science Hall. Please change your iling lists, etc. The phone numbers main the same.

CENSUS BUREAU INFORMATION SERVICES

The Census Bureau's "Data User News" lists the following user service phone numbers and contacts, which may be of interest to <u>Bulletin</u> readers:

Map Information, 301/763-7818. Map Orders, Wendell McManus, 812/288-3213. Maps for 1979/1980, Lawrence Taylor, 301/763-5720. Computer Graphics and Mapping, Frederick Broome, 301/763-7818.

GBF/DIME System, 301/763-7315. Regional Office, Chicago, IL, Stanley D. Moore, 312/353-6251. Information Services, 312/353-0980.

WCGE CALL FOR PAPERS

Those interested in presenting a paper at the Wisconsin Council for the Geographic Education paper session at the joint West Lakes AAG/WCGE meeting in Green Bay on October 2-4, 1986 (see "Past and Coming Events") should submit the title and a brief abstract not to exceed 200 words by August 31. (AAG West Lakes will be sending out their own call for papers). Abstracts should include: thor's name, address, telephone mber, and professional affiliation.

aber, and professional affiliation. Please send abstracts of proposed papers to Howard Deller, AGS Collection, P.O. Box 399, University of Wisconsin-Milwaukee, Milwaukee, WI 53201.

NEW U.S.G.S. OFFICE

May 23, 1986 marked the date of ground breaking ceremonies for a new building that will house the Madison offices of the U.S. Geological Survey, Water Resources Division, District 5. The 1300-square foot building will be erected at 6417 Normandy Lane, just off Odana Road on Madison's west side. Project developers will lease the building to the U.S.G.S., which will remain at its 1815 University Avenue address until August 14, 1986. For an interim period the Geological Survey will be housed at Thirty On the Square, 30 W. Mifflin Street, until the move to the new building on September 17, 1986. U.S.G.S. telephone numbers will remain the same.

CARTOGRAPHER NEWS

Curtis Musselman, UW-Madison MS Cartography 1986, won the "Best Student Entry" in the Student-Academic category of the ACSM Map Design competition in spring 1986 for his map of the East Central Wisconsin Martial Rule Area. He completed this map as a project for Geography 572, Graphic Design in Cartography. The UW-Madison Cartography Laboratory won an "honorable mention" in category 3 (Thematic) for its map of the Ice Age Trail.

Anne Godlewska, Assistant Scientist and Assistant Director of the History of Cartography Project, was the leading candidate for both the Queen's National Scholarship and the Webster Fellowship to support a position as Assistant Professor of Geography at Queen's University, Kingston, Ontario. She chose the Queen's National Scholarship and will begin work there this fall. She will continue to work for the History of Cartography project half-time. She also received a National Endowment for the Humanities Fellowship for work at the Newberry Library, Chicago from April to October in 1987.

Brian Harley, co-editor on the History of Cartography project, will be leaving the University of Exeter, England to take up permanent residence in Wisconsin on or around August 8. He begins at the University of Wisconsin-Milwaukee as Professor of Geography this fall, where he will teach history of cartography.

(source: David Woodward, UW-Madison Geography)

CHART PRICE INCREASES

Under a Reconciliation Bill, recentl signed by President Reagan effective since June 25, 1986, conventional nautical charts (\$5.50), folios (\$3.50), and small craft charts (\$4.75) will be \$7.25. Aeronautical sectionals and VFR terminals will increase to \$3.50 per chart from \$2.75. ONC and TPC charts are not affected by the recent legislation.

T-SHIRT SALES INCREASE - SERVICE TO IMPROVE

The University of Wisconsin-Madison ACSM Student Chapter wishes to apologize to those few individuals who have had to wait a long time for thein Map Cow and Soil T-shirts. Response to the notice in the January Bulletin was beyond our expectations. To improve our service we have changed our supplier and will now be selling only green, blue, black and red Tshirts and blue, black, and red sweatshirts.

SCO STAFF CHANGES

The winds of graduation have swept once again through the State Cartographer's Office. After three years, our Automated Cartography Project Assistant Mark Wiljanen will be leaving us to assume a position as Assistant Professor of Geography at Chicago State University. His replacement in the half-time appointment is Irena Fraczek. She is pursuing a PhD in cartography while here from Poland. Irena brings a great deal of experience in computer cartography to the Office as well as a delightful accent.

Marty Balikov, the Assistant Editor on the County Cartographic Catalog series, has also graduated and will soon leave to become a Geographic Information Systems/Project Manager at the Environmental Systems Research Institute in Redlands, California. Christina Erickson will be filling the half-time appointment. Christina is a Masters student in cartography. She received a BS degree in general science from Oregon State University.

The production staff has three new faces, none of whom are named Mark or anything that sounds like Mark. But now we have a Christina and a Christine. At least that won't cause as much stuttering as Mark, Marty, Marvin, Mark, and Mark did.

(continued)

POINTS AND LINES, continued

LEGISLATIVE UPDATE

The passage of SB 288, enacted as 1985 Wisconsin Act 136, limits liability of municipal airport owner's for noise damages. Official maps will provide advance notice to property owners within a designated 3-mile affected area. The law is designed to protect considerable investments in public airports from encroachment of inappropriate landuse zoning as determined by the local government unit. Should a municipal airport owner protest a zoning change within the 3-mile airport designation, the change may only occur after the municipality's governing body approves it with a 2/3 majority vote.

TOPO SALES OUTLET

The following is an addition to the list of U.S.G.S. topographic map sales outlets appearing in the April 1986 Bulletin. We hope to continue to print any additions or corrections to the list under "Points and Lines": Lampert, Lee & Associates, 10968 Hwy. 54 East, Wisconsin Rapids, WI 54494, phone 715/344-0068.

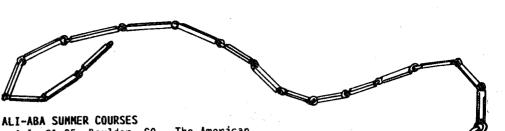
CONNECTION MACHINE

With the following analogy Daniel Hillis described the powerful new computer he's designed: "The conventional computer is to the Connection Machine what the bicycle is to a supersonic jet." Hyperbole or not, should initial kinks be worked out, the computer, housed inside a 5' lexicon plastic cube, will have roughly the same computing power as the Cray X-MP supercomputer at a quarter of the cost. Showing its stuff at a recent public debut, the computer transformed a stereographic image transmitted by a pair of television cameras into a detailed two-dimensional contour map in a mere 2 seconds.

(source: Time, June 9, 1986)

CONTINUING-ED ENGINEERING PROGRAM California State University, Fresno's Center for Applied Engineering Research offers an array of continuing education short courses and workshops for engineers, surveyors, and other technicians. According to its preliminary schedule, 40 different short courses and workshops are given between May 1986 and January 15, 1987.

James Crossfield, formerly of the University of Wisconsin-Madison, is developing the program. Those interested in obtaining a schedule/course listing, or learning more about the program should contact him at the Dept. of Civil and Surveying Engineering, CSU, Fresno, CA 93740-0094, phone 209/294-2965.



July 21-25, Boulder, CO. The American Law Institute-American Bar Association and the Lincoln Institute of Land Policy (LILP) presented a comprehensive update program on land use which combined three popular ALI-ABA courses: "Land Use Litigation", "Land Planning and Regulation of Development," and "The Compensation Issue".

August 21-23, San Diego, CA. ALI-ABA will offer another land use study course, "Eminent Domain and Land Valuation Litigation". The course lasts 2 1/2 days and costs \$375. For information about registration, accommodations, credit, or scholarships, write Donald M. Maclay, Director, Courses of Study, ALI-ABA, 4025 Chestnut Street, Philadelphia, PA 19104, phone 215/243-1630 or 800/CLE-NEWS.

INTERGRAPH SEMINARS

- August 5-7, Brookfield (Milwaukee Marriott). Intergraph Corporation will sponsor three days of seminars during which their civil engineering experts will demonstrate the capabilities of interactive graphics systems and software packages using case specific situations. Tuesday's seminar, "Local Government," addresses utility mapping, land records, and planning. An "Architectural Design" seminar offers sessions Tuesday evening and Wednesday morning. Seminars on "Mechanical Design" and on "Electronics Design" are scheduled on Wednesday and on Thursday. There is no registration fee for seminar sessions. For additional information call Dave Weber at Intergraph's Milwaukee Office, phone 414/355-1900.
- NATIVE AMERICANS AND THE CENSUS August 5, Minneapolis, MN. The Census Bureau will hold a regional meeting with American Indian Tribes and organizations from Wisconsin, Illinois, Michigan, and Minnesota. The purpose will be to receive suggestions from Native Americans for the 1990 Census and to inform them of the Bureau's plans for the decennial census.

The meeting is free and open to interested individuals. Packets and registration forms have been sent to tribes and organizations. The Bureau will assist in paying travel expenses for one person from each organization or tribe for those travelling more than 50 miles to the meeting. For more information contact the Decennial Planning Division, Bureau of the Census, Washington, D.C. 20233, phone 301/763-4358.

PAST AND COMING VENTS

URISA ANNUAL CONFERENCE

August 10-14, Denver, CO. The Urban and Regional Information Systems Association will hold its 24th annual conference at the Marriott 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.

AN/FM CONFERENCE IX AND EXECUTIVE CONFERENCE

August 11-14, Snowmass, CO. "Integrating AM/FM Technology: The Corporate Resource" is the theme of this Automated Mapping/Facilities Management Conference. Sixty speakers representing utilities, telephone companies, equipment manufacturers, AM/FM services, and local, state, and federal governments will present papers. AM/FM also offers introductory and advanced preconference seminars. On August 11-13 "The Executive Conference" will take place at Snowmass as well. It is designed to educate executives and government officials with limited automated mapping knowledge who m shortly need to make informed decisions about AM/FM systems. For information about these conferences or future ones, please write or call: AM/FM International, 8775 E. Orchard Road, #820, Englewood, CO 80111, phone 303/779-8320.

EVENTS, continued

1986 WSLS SUMMER MEETING

August 22-23, the Cambrian Lodge, Wisconsin Dells. The Wisconsin Society of Land Surveyors' Summer seting will have as its theme Camaraderie & Fun". In store for Friday is a golf outing, an evening boat trip on the Wisconsin River, and a poolside cookout, followed by music and dancing. Saturday's activities include a board meeting, contests and exhibits, followed by a general membership meeting. For further information contact Harold Charlier. 414/781-1000.

AM/FM INTERNATIONAL REGIONAL CHAPTER

September 11, Milwaukee, WI. The first meeting of the newly established Automated Mapping/Facilities Management Regional Chapter is now being arranged by John O'Neill of Wisconsin Bell in Milwaukee. More information about the group is available from Reinhard Meihsner, Wisconsin Gas Company, 626 E. Wisconsin Ave., Milwaukee, WI 53202, phone 414/291-6716.

WRPLA ANNUAL MEETING

September 17-19, Stevens Point Holiday Inn. The Wisconsin Real Property Listers Association will hold its 34th Annual State Meeting. This year's meeting will serve as a learning session for all 72 Wisconsin counties. Nuane Wunsch, Assistant Counsel for mmonwealth Land and Title Insurance, Janne Storm of the Department of Development, and Guy Rogers, Supervisor, State Forest Tax Unit will speak on the following topics: Marital Property Reform; Plats and Certified Survey Maps; and Managed Forest land. Also on the agenda are talks entitled "In My County I Do..." and "Mapping Concepts". More information is available from: Jermaine R. Small, Pres. WRPLA; Rock Co., 51 S. Main Street, Janesville, WI

WCA ANNUAL CONVENTION

53545, phone 608/755-2113.

September 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 308, Madison, WI 53713-1897.

WEST LAKES AAG MEETING

October 2-4, Green Bay, WI. The West Lakes Association of American Geographers will meet on the UW-Green Bay campus. Opening speaker is Fraser Heart. There will be paper sessions on Friday and a variety of field trips to Door County on Saturday. A fee

edule is not yet available. For re information contact Prof. Bill Laatsch, Department of Regional Analysis, UW-Green Bay, Green Bay, WI 54301, phone 414/465-2709. The conference is open to all interested persons.

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XII NATIONAL SURVEYING TEACHER'S CONFERENCE



"SURVEYING THE FUTURE"

A CONFERENCE ON EDUCATION IN CARTOGRAPHY, GEODESY, GEOGRAPHIC INFORMATION SYSTEMS, PHOTOGRAMMETRY, REMOTE SENSING AND SURVEYING

> University of Wisconsin Madison, Wisconsin July 6 - 10, 1987

In Cooperation With:

The American Congress on Surveying and Mapping The American Society for Photogrammetry and Remote Sensing

The Institute for Land Information

The Wisconsin Society of Land Surveyors

CALL FOR PAPERS

The Program Committee for the XIIth National Surveying Teacher's Conference invites proposals for papers to be presented at the conference to be held in Madison, Wisconsin. Please submit your proposal as soon as possible to assist the committee in planning, and to assure an early committment to selected speakers.

PAPERS WILL BE ACCEPTED IN THE FOLLOWING TECHNICAL AREAS:

- SURVEYING
- REMOTE SENSING
- PHOTOGRAMMETRY
- GEODESY

 GEOGRAPHIC INFORMATION SYSTEMS/ LAND INFORMATION SYSTEMS/ MULTIPURPOSE CADASTRES CARTOGRAPHY

SUGGESTED TOPIC AREAS:

- Changing Educational Requirements Equipment
- Curriculum Development
- Emerging Technologies .
- Computers in Education
- Accreditation
- Continuing Education .
 - Job Market/Job Placement
 - Student Professional Organizations
 - PROPOSALS SHOULD INCLUDE:
 - · Title of Paper
 - · Author's Name, Address, Telephone Number,
 - Professional Affiliation and Position
 - · Abstract (Not to Exceed 200 Words)

ADDITIONAL DETAILS:

- · Authors from all appropriate disciplines are encouraged to submit proposals
- · Proposals must be received by November 15, 1986
- · Authors of accepted papers will be notified by December 15, 1986
- · Final Papers will be required by March 15, 1987
- · Presentation time for selected papers will be limited to 20 minutes

MAIL PROPOSALS TO:

Professor Paul R. Wolf, Program Committee Chairman XIIth National Surveying Teachers's Conference Department of Civil and Environmental Engineering Room 1204 Engineering Building University of Wisconsin Madison, Wisconsin 53706 (608)262-1978

Wisconsin Mapping Bulletin

· Research Needs · Textbooks and Other Resource Materials • Programs for 2 Year/4 Year/Graduate Level

Program Administration

- · History of Surveying Education

WSLS MEETINGS

October 10, Marriott Inn, Brookfield, WI. The Wisconsin Society of Land Surveyors will host a "Roads" seminar. Directed by Attorney Robert Kay, the seminar will be of interest to surveyors, county and municipal officials, or others concerned with right-of-way issues. Contact Harold Charlier, 414/781-1000 for further information.

October 15, the Northeast Chapter holds its membership meeting. For information contact Dave Hinzy, Chapter Secretary, 414/458-5921.

October 23, will mark the date of the Milwaukee Chapter membership meeting. Contact Dick Stenzel, 414/786-1777 for more information.

ONLINE 1986 CONFERENCE/EXPOSITION November 4-6, Palmer House, Chicago, IL. The focus of ONLINE '86 will be on Laserdisks and the impact they're making in the information industry. Other popular topics include microcomputing applications, endusers, public/academic library applications, business information, and new technologies. Also featured will be a new session: "What's New in Databases". The full conference registration fee is \$295.00 before October 3, \$375.00 afterward. Single day registration and group discounts are available. To request additional information or an official registration form write to; ONLINE '86, Tasha Heinrichs, 11 Tannery Lane, Weston, CT 06883, phone 203/227-8466.

ASPRS/WGLR & ACSM/SLMS FALL MEETING November 7, Wood Dale, IL. At the Elmhurst Country Club in Wood Dale, (west of O'Hare, near Rosemont) IL, the American Society of Photogrammetry and Remote Sensing/Western Great Lakes Region and the American Congress on Surveying and Mapping/Southern Lake Michigan Section will hold a joint fall meeting. The program will include a talk by Jack Dangermond of the Environmental Sciences Research Institute on Geographic Information Systems and one by William Chatterton, a Madison, WI attorney, on the Liability Environment for Mapping. Other speakers will be announced. Also scheduled are an evening social hour, banquet, business meeting, and closing speaker. For information contact prof. Richard Dahlberg, Dept. of Geography, Northern Illnois University, DeKalb, IL 60115, phone 815/753-0631, or Prof. John Campbell, Dept. of Geography, UW-Parkside, Kenosha, WI 53141, phone 414/553-2569.

THE STATE CARTOGRAPHER'S OFFICE ISSUES THE WISCONSIN MAPPING BULLETIN IN JANUARY, APRIL, JULY AND OCTOBER. IT IS DISTRIBUTED FREE OF CHARGE ON REQUEST.

THE EDITOR WELCOMES NEWS ON COMPLETED OR ONGOING PROJECTS, PUBLISHED MAPS OR REPORTS, CONFERENCES/WORKSHOPS. LOCAL AND REGIONAL INFORMATION IS

PLEASE SEND ALL COMMENTS, Corrections, and news Items to:

CHRISTINE REINHARD,

ESPECIALLY REQUESTED.

STATE CARTOGRAPHER'S OFFICE,

155 SCIENCE HALL MADISON, WI 53706, 608/262-3065.