

in land cover and habitat in the coastal regions of the United States.

Because TM data provides current land cover information, it can be used to map urban cover, update urban-rural boundaries, and identify the urban fringe zone for planning. Further examples of TM data use for oil spill tracking, water quality assessment, air pollution, and global warming demonstrate the vast amount of analytical and mapping uses of Landsat imagery and data. Landsat 6 will provide even further value of this data to the mapping community with the introduction of a 15 meter panchromatic band.

EOSAT is interested in making Landsat data grants available to researchers. They have made an agreement with NASA to dedicate up to 25% of productive capacity to the collection of research data selected by NASA, which will then pay 50% of the list price for this data set and will distribute the data to researchers for noncommercial use. EOSAT will use all revenues from these NASA purchases to make grants to researchers.

### recent publications

#### GEOGRAPHIC INFORMATION SYSTEMS

A publication entitled *Geographic Information Systems (GIS) and Mapping—Standardization and Applications* (Special Technical Publication (STP) 1126) is available from the American Society for Testing and Materials. It contains twenty-six papers from a 1990 Symposium sponsored by the United States Geological Survey and the American Society for Testing and Materials (ASTM)

Section D18.01.03 on Remote Sensing and D18.01.05 on Mapping and GIS. The purpose of the symposium was to bring together engineers and scientists to provide a forum for exchanging experiences and findings related to GIS; learn from a variety of applications; promote technology transfer; and provide educational resources for GIS, maps, and remote sensing. Persons desiring a copy of the publication should contact the ASTM Marketing and Sales Office, 1916 Race Street, Philadelphia, Pennsylvania 19103 (215) 299-5536.

A number of current publications are available from the American Society for Photogrammetry and Remote Sensing (ASPRS). These include: *Geographic Information Systems: A Guide to the Technology* by John Antenucci, Kay Brown, Peter Croswell, Michael Kevany, and Hugh Archer; *Introductory Readings in Geographic Information Systems*, edited by Donna Peuquet and Duane Marble; *The Integration of Remote Sensing and Geographic Information Systems* (Proceedings of a special NCGIA session held at the 1991 ASPRS-ACSM Annual Meeting). To obtain a price list and more information, contact: ASPRS, P.O. Box 1269, Evans City, PA 16033; (412) 772-0070, fax (412) 772-5281.

The Extension Service of the University of Minnesota has released a 12 page publication titled *Introduction to Data Analysis Using Geographic Information Systems*. The publication provides basic information about the analytical capabilities of geographic information systems and describes some of the computer programs used by a GIS for map analysis. The cost of the publications is \$2. To order, request item

NR-FO-5740 and send a check or money order payable to the University of Minnesota to: Distribution Center, 3 Coffey Hall, University of Minnesota, 1420 Eckles Ave., St. Paul, MN 55108-6064. The Telephone number for the Distribution Center is (612) 625-8173. Their Federal Tax ID number is 41-6007513.

#### DIGITAL DATA AND ELECTRONIC ATLASES

Strategic Mapping has announced the release of *StreetBase Plus* files. The files are derived from Dynamap 2000, an enhanced set of TIGER files originally developed by Geographic Data Technology. StreetBase Plus provides a higher address match rate when compared to StreetBase or standard TIGER files. StreetBase Plus files contain over 10 million valid address ranges, zip code information for all street types and unique street segments. In addition to the requirements for running Atlas Software, your system must be equipped with at least: 2 MB RAM and DOS 3.3 or higher. Contact: Strategic Mapping, Inc., 4030 Moorpark Ave, Suite 250, San Jose, CA 95117; (408) 985-7400, fax (408) 985-0859.

Omnigraphics has announced a new series: *The Omni Gazetteer State Series*. The series will cover all 50 states individually and will be available starting in September with the *Omni Gazetteer of New York State*. Each volume will cover a state's populated places, plus structures, facilities, locales, historical places, landmarks, and named geographic features. For more information contact: Paul Rogers, Omnigraphics, Inc., Penobscot Building, Detroit, MI 48226; (800) 234-1340, fax (313) 961-1383.

Applied Optical Media Corporation has two CD-ROM atlases available for sale. *American Vista*, an atlas of the United States, has a visual interface that provides access to a rich multimedia environment with more than 600 Megabytes of maps, information, pictures, and sound. High resolution maps, topographical maps, resource and industry maps from Hammond Inc, and searchable data from the 1990 U.S. Census. Retail price \$79.95. *World Vista*, an international atlas, includes maps and data of the new republics of the old Soviet Union. It also has access to a rich multimedia environment with more than 600 Megabytes of maps, information, pictures, and sound. It includes high resolution maps and data from Rand McNally. Retail Price: \$79.95. System Requirements for both products are MPC: MPC or 386sx PC with CD-ROM drive and sound and meeting MPC specifications with 2 MB of RAM; at least 640x480, 256 color display capabilities (512K VRAM) and Windows 3.1 (Windows 3.0 only if Multimedia Extensions 1.0 is properly installed). For the Macintosh: Color Macintosh with 2 MB RAM running System 7.0. For more information contact: Applied Optical Media Corporation, 1450 Boot Road, Building 400, Westchester, PA 19380; (215) 429-3701, fax (215) 429-3810.

## MAPPING

MicroImages Press recently announced the publication of *A Guide to Map and Image Processing* by Dr. Merri P. Skrdla. This 292-page, soft cover edition is a technical reference on the selection and use of a second generation desktop or laptop microcomputer system for integrated GIS, image processing CAD, spatial databases, AM/FM, and desktop mapping. The retail price is \$20. Contact:

MicroImages, Inc., 201 North 8th Street, Suite 15, Lincoln, Nebraska, 68508-1347; (402) 477-9554.

## MAPPING SOFTWARE

GEOVISION, Inc. has released *StatMapIII*. StatMapIII for Windows is a statistical mapping program that provides the capability to match demographic data values to geographic coordinate files in order to create thematic maps for analysis and presentation. StatMapIII allows direct access to U.S. Census Bureau TIGER base map and 1990 Census databases. The minimum system requirements are MS-DOS 3.31 or later, Microsoft Windows 3.0 or later, PC using an 80286 or better, 2MB memory, Floppy disk drive, Hard disk (40 MB minimum), EGA or VGA graphics adapter and monitor, Microsoft Mouse or compatible device. Contact GEOVISION, Inc., 5680-B Peachtree Parkway, Norcross, Georgia 30092; (404) 448-8224, fax (404) 447-4525.

## MAP USE

The National Council for Geographic Education has published *The Language of Maps*, as the first monograph in their *Pathway in Geography Series*. The publication, authored by Professor Phil Gersmehl of the University of Minnesota, is a supplementary manual that introduces students to the language(s) used to express ideas about spatial relationships. The volume is recommended for use in introductory courses in geography and map reading. Topics covered include: basic spatial concepts, various types of maps and analytical tools used by the map reader, spatial ideas of distance, direction, area, and volume, scales and grids, and drainage, settlement and forest

pattens, etc. To order, send \$15 plus \$2 for shipping and handling payable to the National Council for Geographic Education to: National Council for Geographic Education, 16A Leonard Hall, Indiana University of Pennsylvania, Indiana, Pennsylvania 15705-1087; (412) 357-6290.

The Third Edition of *Map Use, Reading - Analysis - Interpretation* written by Phillip C. Muehrcke and edited by Juliana O. Muehrcke, is now available. The new edition has over 500 illustrations, 10 new chapters, exercises added to each chapter, text updates from beginning to end, and more information about the impact of electronic technology. To order send a check or money order for \$32 to: JP Publications, P.O. Box 44173, Madison, Wisconsin 53744.

## MAPS

The Association of Canadian Map Libraries and Archives (ACMLA) is offering *Standard Topographical Maps of Canada, 1904-1948*, a 31-page softcover booklet that lists maps produced by surveyors working for the Canadian Government. The maps show mountain ranges, lakes, rivers, and streams for different areas of Canada. In addition, the book includes 22 map-sheet illustrations. The cost is \$10. Also available are *Early Canadian Topographic Map Series: the Geological Survey of Canada, 1842-1949*, and *Sectional Maps of Western Canada, 1871-1955: An Early Canadian Topographic Map Series*. These softcover booklets list sheets of sectional maps that contain township boundaries and topographic features. Each costs \$15. Contact : ACMLA, c/o MAPS, National Archives of Canada, Ottawa, Canada K1A ON3; (613) 995-1079.