LION APPAREL, INC., UNIFORM GROUP
6450 Poe Avenue
Dayton, OH 45413
(513) 898-1949, ext. 253
Fax: (513) 898-6715
E-mail: B1whyte@aol.com
Contact: Buckley Whyte, Director of Sales—Government

Lion Apparel is a family-owned marketer and manufacturer of high-quality, American-made uniform products and protective apparel. Lion specializes in total uniform program management. Our program management includes: a large selection of field tested garments; exclusive distribution to only your employees; employee uniform allowance management; and periodic reporting on all employee uniform purchases. Your uniforms will be available for immediate shipping from our large inventory and state-of-the-art distribution center. Lion is committed to minimizing the time, effort, and money you will spend on your uniform program, allowing you to focus your attention on other matters. Call us today for more information.

WOLVERINE WORLDWIDE, INC.
(616) 866-5500
Fax: (616) 866-5658
Contact: Nicole Junod, Marketing Director

Wolverine® boots and shoes since 1883. From work boots to rugged outdoor footwear, Wolverine has been making a difference since 1883. And the difference is DuraShocks®. Patented, impact-cushioning soles that make our boots the world’s most comfortable—guaranteed.

By combining the DuraShocks technology from Wolverine’s Work and Sportsmen boots with unique patterns, Wolverine Wilderness creates the ALL-TERRAIN SPORT category. The result is a boot ready to take on the elements, yet so comfortable, spending considerable time outdoors
becomes second nature.
Innovative styling gives these boots their flair. Technology makes them equipment for the outdoors.

Thanks to ongoing advances in comfort technology, leather tanning and boot construction, Wolverine's reputation for performance footwear continues to thrive in the world's most comfortable boots you can buy, or your money back. Guaranteed. Work like hell. Feel like heaven. For a dealer nearest you, call (800) 543-2668.

**Application Development Software**

**Sprengnether Instruments, Inc.**

4150 Laclede Avenue
St. Louis, MO 63108
(314) 535-1682
Fax: (314) 535-1252
Contact: Robert Leugoud, Executive Vice-President

Sprengnether Instruments, Inc.'s APG++, an object-oriented application development software package, allows users and programmers to quickly develop data acquisition applications for DOS-based field computers, saving both time and money. Multiple forms with tables, fields, and software buttons are easily designed in the APG++ drag-and-drop workdesk. A wide variety of mathematical, logical, database, output, and view navigation actions can be attached to forms, tables, fields, or buttons. An integrated database allows users to design the database, indexes, and mapping to view fields. Designed APG++ applications can be easily modified to adapt to rapidly changing environments. Recorded data can be exported to an ASCII upload file. The APGRUN™ software module runs APG++ applications in reduced memory requirement for field computers such as the Sprengnether TMDR™. Users cannot alter the designed application with APGRUN. Call for APG++ demonstration disks.

**Bridges**

**Atlantic Industries Limited**
PO Box 220, Cape Road
Dorchester, New Brunswick
Canada E0A 1M0
(506) 379-2455
Fax: (506) 379-2290
Contact: Kenzie MacPherson, Director of Marketing

Atlantic Industries Limited specializes in modular Bolt-a-Bin Bridge Abutments, which are ideal for remote locations. The lightweight modular steel panels are easily bolted together without requiring specialized heavy equipment. Atlantic Industries also manufactures SuperCor Box Culverts and arches, which eliminate stream-bed interference, and reduce bridge maintenance costs substantially. Span are available up to 50 feet, and provide for two-lane traffic. Steel footings are also available for a limited range of sizes for remote sites. Call us for more information.

**BIG “R” MANUFACTURING & DISTRIBUTING, INC.**

PO Box 1290
Greeley, CO 80632
(970) 356-9600
Toll-free: (800) 234-0734
Fax: (970) 356-9621
E-mail: 72110.1203@compuserve.com

BIG “R” manufactures and distributes heavy-duty portable and permanent steel bridges, and pedestrian and recreation bridges for use in the forestry and logging industries. Heavy-duty portable steel bridges are available in lengths ranging from 20 to 150 feet and can be constructed in any width. Made in narrow modular panels, they can be pulled into place at even the most remote locations. The bridges are constructed of painted or weathering steel material, including special paint for tropical and coastal areas. They provide the strength to handle all your off-highway loads (such as HS30, U80, U102, or L90) and are maintenance free. As an option, timber run-
ACORM™ (American Cyanamid Optimal Reforestation Manager) helps foresters and landowners make better forestry investment decisions for southern pine stands. ACORM lets you quickly calculate yields for three levels of herbicide site-prep intensity, compared to high- and low-intensity mechanical site prep. The program also projects values at each rotation age, to determine maximum Bare Land Value (BLV). It prints an easy-to-read summary of recommendations and financial data, including Net Present Value (NPV) and Internal Rate of Return (IRR). New version ACORM 2.0 adds a flatswoods prescription key and financial evaluation of herbaceous weed control, plus other enhancements, to this university-designed expert system. ACORM is Windows-based and compatible to Windows 3.1 and Windows '95. Registered users will automatically receive a free upgrade to ACORM 2.0. New users can get ACORM 2.0 for only $39 with free upgrades. Contact your Cyanamid Forestry Products Specialist, or call the number above for ordering information.

PACIFIC MERIDIAN RESOURCES
5915 Hollis Street, Bldg. B
Emeryville, CA 94608
(510) 654-6980
Fax: (510) 654-5774
E-mail: pmr@crl.com
Contact: Gene Forsburg, Principal

Pacific Meridian Resources is an integrated GIS, remote sensing, and forestry consulting firm. It uses aerial photography, satellite imagery, and airborne scanning to classify and monitor forests, range, wetlands, and other vegetation. The firm employs a variety of GIS software to update maps and to analyze timber supply, wildlife habitat, watershed impact, and land-use alternatives.

Other services include system design, onsite assistance, training, and imagery procurement. Pacific Meridian also develops applications software, including LUCCAS for land change detection, FIRE! for simulating wildfire spread, and SFT for testing the spatial feasibility of harvest scheduling solutions.

The firm's forestry practice includes inventory design and implementation, appraisal, forest planning and management, and timber sale administration.

Pacific Meridian's clients include forest products companies, Native American tribes, financial institutions, landowners, utility companies, trusts, and government agencies. Its multidisciplinary staff are also located in Salt Lake City, Atlanta, Juneau, and Portland, Oregon.

See our advertisement on page 59.
VESTRA Resources, Inc.
962 Maraglia Street
Redding, CA 96002
(916) 223-2585
Fax (916) 223-1145
E-mail: mapmaker@vestra.com
http://www.snowcrest.net/vestra/
Contact: Dean Angelides, Vice-President

VESTRA Resources, Inc.'s powerful software is the result of the need to increase the efficiency and productivity in our busy GIS consulting firm. VESTRA's GIS software products are designed to streamline the process of map production and analysis. Using the power of ESRI's ARC/INFO® VESTRA MapMaker®, you can quickly design, construct, and generate publication-quality map products. VESTRA LUS Modeler™ provides a systematic framework for information management, analysis, and mapping land-use suitability for various planned activities VESTRA is an authorized ARC/INFO application developer.

The newest member of VESTRA's suite of products is VESTRA ep®, EcoSystem Planning Express—an approach and toolset for use in preparing long-range forest plans. VESTRA is currently establishing a number of VESTRA ep® service providers. See our advertisement on page 11.

Environmental Services

VESTRA Resources, Inc.
962 Maraglia Street
Redding, CA 96002
(916) 223-2585
Fax (916) 223-1145
E-mail: mapmaker@vestra.com
http://www.snowcrest.net/vestra/
Contact: Dean Angelides, Vice-President

VESTRA Resources, Inc. provides solutions for your environmental service needs by offering GIS consulting and training, sustained yield planning, environmental modeling, publication-quality mapping, and the VESTRA ep® suite of environmental planning tools. Projects undertaken by VESTRA range in scope from small environmental impact statements covering several thousand acres to large, multistate GIS efforts that cover more than 35 million acres.

VESTRA provides solutions through partnerships with many fine companies. ESRI software and certified training is available at our Corporate Training Center in Redding, California. VESTRA offers image processing and digital orthophoto production using ERDAS IMAGINE® EOSAT®, Landsat data is also available through VESTRA.

VESTRA's shop in Redding, California, can handle both large and small projects cost-effectively. VESTRA is dedicated to providing high-quality products. The fact that 90% of our current projects are with repeat clients is a testament to that commitment. See our advertisement on page 11.

Erosion Control Products

BONterra AMERICA
355 West Chestnut Street
Geneseo, ID 83832
(800) 882-9489
(208) 285-0701
Fax: (208) 285-0201
E-mail: bonterra@moscow.com
Contact: Leslie Dickerson, Inside Sales

BonTerra® is a trusted name throughout the world for quality erosion control products made from straw, coir fiber, and synthetic fibers. We know that permanent erosion control is best achieved with permanent vegetation. BonTerra's wide line of erosion control and wetland/shoreline restoration products provide protection from erosion and stimulate rapid vegetation growth.

BonTerra® products are tested by UWRL (Utah Water Research Laboratories) and the Texas Transportation Institute. Extensive research is conducted to determine each product's effectiveness at reducing soil loss under various site conditions. The tests are conducted using flumes, soil-filled test beds, variable slopes, and rainfall simulation. Test results (shown as ASTM test measurements) are listed in our literature and on our sample labels, making product selection simple when designing to performance parameters.

Contact us for literature and samples of BioLogs®, BogMat®, CFMats™, S1™, S2™, C52™, C2™, CP2™, SFB™, SFB12™, HP-90™, and our EcoNet line of 100% biodegradable RECPs.

Finance/Insurance/Investment Services

AMERICAN CYANAMID FORESTRY PRODUCTS
One Cyanamid Plaza
Wayne, NJ 07470
(800) 545-9525, ext. 512
Fax: (201) 831-3858
Contact: Telemarketing Department

ACORM™ (American Cyanamid Optimal Reforestation Manager) helps foresters and landowners make better forestry investment decisions for southern pine stands. ACORM lets you quickly calculate yields for three levels of herbicide site-prep intensity, compared to high- and low-intensity mechanical site prep. The program also projects values at each rotation age, to determine maximum Bare Land Value (BLV). It prints an easy-to-read summary of recommendations and financial data, including Net Present Value (NPV) and Internal Rate of Return (IRR). New version ACORM 2.0 adds a flatwoods prescription key and financial evaluation of herbaceous weed control, plus other enhancements, to this university-designed expert system.

ACORM is Windows-based and compatible to Windows 3.1 and Windows '95. Registered users will automatically receive a free upgrade to ACORM 2.0. New users can get ACORM 2.0 for only $39 with free upgrades. Contact your Cyanamid Forestry Products Specialist, or call the number above for ordering information.
THE OUTDOORSMAN AGENCY
PO Box 61127
Columbia, SC 29260
(800) 849-9288
Fax: (803) 799-6609
Contact: Andrew D. Woodham Jr.

The Outdoorsman Agency specializes in insuring consulting foresters. Our comprehensive general liability policy includes the following: errors and omissions coverage, controlled and prescribed burning coverage, and pesticide and herbicide applicators coverage. It has been specifically designed for the unique needs of foresters. Also available is hunting-lease liability insurance for large landowners leasing hunting rights to hunting clubs. Our programs are underwritten by admitted companies rated “excellent” by A.M. Best. Prompt premium quotations and policy issuance are standard procedure. Telephone inquiries are welcome.

THE SUPPLY CACHE, INC.
Gear for Wildland Fire
PO Box 863
Fort Collins, CO 80522
(800) 839-0821
Fax: (970) 224-3458
E-mail: jfelix@aol.com
Contact: Jim or Diane Felix, Owners

The Supply Cache, Inc. was created in 1991 to provide quality gear and accessories for wildland fire fighters. We provide a broad range of gear and related items. Our focus is on products for the individual. Line packs, helmets, headlamps, gloves, nomex clothing, first-aid supplies, books, and training materials are just a few of the products we carry. Call for a free catalog and price list.

FORESTRY CONSULTANTS

FOREST BIOMETRICS
655 West Burnside Road, #5
Gresham, OR 97030
(503) 667-2164
Fax: (503) 666-3427
E-mail: jdarney@aol.com
Contact: James D. Arney, PhD, Owner

Professional services in forest inventory, growth modeling, and harvest planning for over 20 years. Specializing in development of growth and harvest projections in six western states and three provinces. Author of Stand Projection System (SPS) and Forest Projection System (FPS) growth models. We have developed localized taper, site, and yield relationships for over 20 western tree species. Currently distributing Cruise Compiler ($75); FPS growth model ($75); and Forest Scheduler ($350). All software use common species-specific libraries and databases; offer MS-Windows and Microsoft ODBC database access; have direct linkages to GIS databases; and use either metric or English units. The user may localize or add species coefficients to the supplied libraries. The cruise compiler handles fixed plots, variable plots, nontimber species, snags and down, and woody debris. The growth model forecasts natural stands, mixed species, plantations, thinning, and fertilization. The forest scheduler uses a binary search to schedule acres, volumes, and values for up to 10 variable-length periods into the future. Call, fax, or e-mail for more details.

JAMES W. SEWALL COMPANY
147 Center Street, PO Box 433
Old Town, ME 04468
(207) 827-4456
Fax: (207) 827-3641
E-mail: edson@jws.com
Contact: David Edson, Vice-President of Forestry & Natural Resources

Sewall Company is a natural resources and forestry consulting firm with 115 years of experience. We attribute our enduring success to the application of leading-edge technologies by skilled personnel. Services provided include the appraisal of forestland, natural areas, conservation easements, commercial and industrial properties, and partial interests; forest inventory design and implementation; remotely sensed image processing, enhancement, and classification; the development of GIS coverages and linked databases for stand-level forest management systems and broader industry analysis; forest economics and investment analysis; feasibility and resource availability studies; aerial photography and photo interpretation; global positioning systems (GPS) services; forest management; urban forest inventories and management plans; and expert testimony.

Our 125 employees include professional foresters, appraisers, business and resource analysts, GIS and mapping specialists, photogrammetrists, engineers, surveyors, and pilots. Our experienced team can provide the integrated services you require.

PACIFIC MERIDIAN RESOURCES
5915 Hollis Street, Bldg. B
Emeryville, CA 94608
(510) 654-6980
Fax: (510) 654-5774
E-mail: pmr@crl.com
Contact: Gene Forsburg, Principal

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spatial feasibility of harvest scheduling solutions.

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Pacific Meridian's clients include forest products companies, Native American tribes, financial institutions, landowners, utility companies, trusts, and government agencies. Its multidisciplinary staff are also located in Salt Lake City, Atlanta, Juneau, and Portland, Oregon.

See our advertisement on page 59.

VESTRA Resources, Inc. is a premiere staff are also located in Salt Lake City, Atlanta, Juneau, and Portland, Oregon.

See our advertisement on page 59.

VESTRA Resources, Inc. is a premiere geographic information systems (GIS) solution provider offering a wide range of products and services—from project-oriented GIS database construction and map production to design, development, and implementation of integrated GIS applications. VESTRA and its six registered professional foresters have helped many major forest products firms establish or expand their GIS capabilities.

VESTRA's GIS consulting services include: user needs assessments; data source evaluations; database design; application design; hardware and software configuration; customized strategies for software development, implementation, and maintenance; system documentation; hardware and software installation; and training in the use of a variety of GIS software products.

The steady growth of VESTRA since its creation in 1988 is the result of our commitment to providing high-quality, timely, and cost-effective products that reflect both innovative uses of technology and the ability to understand the needs of our clients.

See our advertisement on page 11.

Forestry Supplies

**FORESTRY SUPPLIERS, INC.**
205 West Rankin Street
Jackson, MS 39201
(800) 647-5368
Fax: (800) 543-4203
Contact: Jerry Pelly, Vice-President of Sales

Outfitting foresters since 1949, Forestry Suppliers, Inc. has grown into one of the world's largest distributors of professional forestry instruments and supplies. One of our most requested items is Suunto's MC-ID "Professional" Mirror-Sighting Compass. A gem of a compass, the MC-ID features a built-in clinometer, declination adjustment, and 1:25,000 and 1:50,000 map scales. Four models are available: Quadrant, Azimuth, Azimuth with Luminous Bezel, and NEW Azimuth with built-in bubble level. Best of all, they're all backed by a lifetime warranty from Suunto!

For more information on these or any of the products we carry, call (800) 360-7788 for a FREE copy of our new 560-page Catalog 47. It has everything you want and more.

See our advertisement on page 28.

GIS/Mapping Products

**ASHTECH, INC.**
1170 Kifer Road
Sunnyvale, CA 94086
(408) 524-1400
Fax: (408) 524-1500
E-mail: ebranch@ashtech.com
Contact: Charles Branch, GIS Marketing Manager

Reliance™ Decimeter GPS System ($8,950). A GPS positioning system suitable for forestry asset management. Includes a GPS receiver accurate to less than one meter, a backpack carrying system, and data processing software for updating and validating geographic databases.

Reliance Submeter GPS System ($6,950). A GPS positioning system suitable for forestry asset management. Includes a GPS receiver accurate to less than one meter, a backpack carrying system, and data processing software for updating and validating geographic databases.

Reliance FS/2 Datalogging Kit ($2,495). A Husky FS/2 rugged, handheld system controller for use with both the Decimeter and Submeter GPS systems. Includes FAMLog data collection software for GPS receiver control and field asset descriptions.

Reliance STEP 1™ ($1,495). Pen-for-Window data collection software linking both the Reliance Decimeter and Submeter GPS systems to a portable PC. Includes background map display, customizable forms for extensive description of field assets, and data processing software for updating GIS's.

Reliance Base Station ($8,950). Complete GPS base station system for differential correction of GPS receivers in both postprocessed and real-time modes. Windows-based data collection software allows automatic collection of base station data.

**EARTH RESOURCE MAPPING**
4370 LaJolla Village Drive, Suite 900
San Diego, CA 92122
(619) 558-4709
Fax: (619) 558-2657
E-mail: queries@ermapper.com
http://www.ermapper.com
Contact: Paul Levine, Sales Manager

ER Mapper is an advanced digital image processing data integration and mapping production system created to help foresters integrate, enhance, visualize, interpret, and present geographic data. In contrast to conventional “disk-to-disk” products, ER Mapper features a breakthrough that allows truly interactive “real-time” integration and processing of data. The point-and-click graphical user interface streamlines complex image processing tasks to provide a fast, flexible “what if” tool.

Classify raster images. Analyze your forest resources for crown closure, species, stand type, or vigor with pow-
erful and easy-to-use supervised and unsupervised image classification.

Manage resources. Combine data from database or GIS products, including an editable link to ARClINFO coverages. Convert vector regions to vector polygons. Calculate polygon

Flexibly produce maps. Produce accurate maps from a regional to a local level. Highlight forest stands or change. Add grids, text, automatic classification keys, and north arrows quickly and easily. Get high-quality output to all devices from the built-in PostScript compatible hardcopy engine.

Try before you buy! Ask for your free CD-ROM containing ER Mapper, full online manuals, tutorials, example images, and a free data viewer.

EPPL7
658 Cedar Street
St. Paul, MN 55155
(612) 296-1201
Fax: (612) 296-1212
E-mail: eppl7@lmic.state.mn.us
Contact: Ken Pekarek

The Minnesota Land Management Information Center proudly announces a new upgrade of the Environmental Planning and Programming Language geographic information software. EPPL7 is a full-featured raster GIS with vector input and graphic overlay capabilities.

EPPL7 is the result of work that began in 1972 at the University of Minnesota and continues here at LMIC today. It is used widely in Minnesota, the United States, and 20 other nations around the world. Academics who teach GIS will want to use EPPL7 for the classroom. Consider University of Nebraska Associate Professor James W. Merchant’s praise in “Resource Materials for Teaching GIS,” Geo Info Systems (April 1993): “The EPPL7 demonstration package is...simply an outstanding GIS tutorial. I strongly urge those who are unfamiliar with the demo to obtain a copy.”

A description of EPPL7 and a copy of the EPPL7 demo disks are available from LMIC on the World Wide Web (http://www.lmic.state.mn.us), FTP, or through the US mail. To sample EPPL7’s analysis capabilities, visit our Web site to receive news updates and an advance order form.

An EPPL7 license is $500. Multiple-copy licenses are available at significant discounts for public agencies, non-profit organizations, and educational institutions. Low-cost student licenses are available. Call or write for details.

Forest Resources Systems Institute (FORS)
122 Helton Court
Florence, AL 35630
(205) 767-0250
Fax: (205) 767-3768
E-mail: davefors@aol.com
Contact: Software Specialist

FORS/MAP is a low-cost, full-featured desktop mapping package for foresters. The FORS/MAP system features an easy-to-learn approach to computer mapping for timber sales, stewardship plans, inventory design, harvest plans, and other mapping needs. Produce high-quality, accurate, professional maps from almost any data source, including aerial photographs, USGS quad maps, survey data, deed descriptions, and GPS data. FORS/MAP is used by hundreds of forestry consultants, forest products companies, universities, and state and federal agencies.

FORS/MAP includes a digitizing tablet, software for closing a traverse, CADD software, the FORS/MAP manual, and telephone support. FORS also offers workshops for hands-on training. The complete FORS/MAP system is available for $845 for FORS members and $925 for nonmembers.

FORS is a nonprofit, member-based organization that promotes and distributes its raster-based geographic analysis package, IDRISI IDRISI is designed to be easy to use yet provide professional-level GIS.
image processing, and spatial statistics analytical capability on both DOS and Windows-based personal computers. IDRISI for the Windows platform, first released in 1995, adds graphical user interface, flexible cartographic composition facilities, and an integrated database management system to its already extensive analytical toolkit. Special routines for change and time-series analysis, spatial decision support, and uncertainty analysis and incorporation are included. The cost of IDRISI for Windows for government users is $495 plus shipping and handling. The IDRISI project also distributes the Applications in Forestry workbook that is one of six volumes included in the UNITAR workbook series, “Explorations in Geographic Information Systems Technology.” The cost of each workbook is $75 plus shipping and handling.

See our advertisement on page 12.

JAMES W. SEWALL COMPANY
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Old Town, ME 04468
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Fax: (207) 827-3641
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Contact: David Edson, Vice-President of Forestry & Natural Resources

Sewall Company is a natural resources and forestry consulting firm with 115 years of experience. We attribute our enduring success to the application of leading-edge technologies by skilled personnel. Services provided include: the appraisal of forestland, natural areas, conservation easements, commercial and industrial properties, and partial interests; forest inventory design and implementation; remotely sensed image processing, enhancement, and classification; the development of GIS coverages and linked databases for stand-level forest management systems and broader industry analysis; forest economics and investment analysis; feasibility and resource availability studies; aerial photography and photo interpretation; global positioning systems (GPS) services; forest-land management; urban forest inventories and management plans; and expert testimony.

Our 125 employees include professional foresters, appraisers, business and resource analysts, GIS and mapping specialists, photogrammetrists, engineers, surveyors, and pilots. Our experienced team can provide the integrated services you require.

Laser Technology, Inc.
7070 South Tucson Way
Englewood, CO 80112
(303) 649-1000
Fax: (303) 649-9710
http://www.lasertech.com
Contact: Blair Zykan, Vice-President of Sales and Marketing

Laser Technology is a leading manufacturer of laser-based surveying and mapping systems. These hand-held lasers make range, azimuth, and vertical angle measurements to nearly any object without reflectors or multiple-person crews. They also interface easily with any GPS system for GIS data capture. LTI lasers are used nationwide by leading private organizations and government agencies for a variety of mapping and measurement applications.

The Criterion Series of survey lasers enables field workers to perform boundary, site, and engineering surveys. These portable, cost-effective systems facilitate plot layout, stem mapping, and diameter measurements as well.

LTT’s new Impulse is designed for quick distance checks and reliable height calculations. The Impulse puts the power of pulse ranging and tilt measurements into a rugged, 2-lb waterproof instrument.

Whether you need to inventory resources in the field or at the sawmill, you’ll find LTI has a laser-based solution that’s right for you.

PACIFIC INTERNATIONAL MAPPING
101-4218 Commerce Circle
Victoria, British Columbia
Canada V8Z 6N6
(604) 727-0727
Fax: (604) 727-3153
E-mail: maps3d@pim.bc.ca
Contact: Rob Schule

Pacific International Mapping (PIM) is a Canadian company specializing in digital mapping. It was established in 1985 and is based in Victoria, British Columbia.

Over the last five years, PIM has placed increasing emphasis on developing a suite of software programs for digital mapping called MAPS 3D. This series, based on Bentley System’s Microstation®, provides a flexible, powerful, and reliable set of production tools for digital data acquisition and validation on a desktop PC.

MAPS 3D provides the modern forester with the mapping tools required for total resource planning: VQO’s, biodiversity, watershed restoration, and inventory management. The tools are modular and permit the collection, validation of topology, georeferencing, and batch-manipulation of data prior to input into a GIS. Forestry applications include surface modeling (slope, elevation, and aspect); classification; and visualization.

Already the system of choice throughout the public and private sectors of BC’s forestry industry, MAPS 3D can help you, too.

PACIFIC MERIDIAN RESOURCES
5915 Hollis Street, Bldg. B
Emeryville, CA 94608
(510) 654-6980
Fax: (510) 654-5774
E-mail: pmr@crl.com
Contact: Gene Forsburg, Principal

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VESTRA RESOURCES, INC.
962 Maraglia Street
Redding, CA 96002
(916) 223-2585
Fax: (916) 223-1145
E-mail: mapmaker@vestra.com
http://www.snowcrest.net/vestra/
Contact: Dean Angelides, Vice-President

VESTRA Resources, Inc. is a premiere geographic information systems (GIS) solutions provider offering a wide range of products and services, from project-oriented GIS database construction and map production to design, development, and implementation of integrated GIS applications.

VESTRA has a well-equipped GIS production shop staffed with dedicated professionals who have extensive experience in developing high-quality GIS databases and presentation-quality map products for a variety of clients. VESTRA's shop in Redding, California, can handle both large and small projects cost-effectively.

The steady growth of VESTRA since its creation in 1988 is the result of our commitment to providing high-quality, timely, and cost-effective products that reflect both innovative uses of technology and the ability to understand the needs of our clients.

See our advertisement on page 11.

GPS Equipment and Services

ASHTECH, INC.
1170 Kifer Road
Sunnyvale, CA 94086
(408) 524-1400
Fax: (408) 524-1500
E-mail: cbranch@ashtech.com
Contact: Charles Branch, GIS Marketing Manager

Reliance™ Decimeter GPS System ($8,950). A GPS positioning system suitable for forestry asset management. Includes a GPS receiver accurate to within 1 cm (stationary) and 30 cm (dynamic), a backpack carrying system, and data processing software for updating and validating geographic databases.

Reliance Submeter GPS System ($6,950). A GPS positioning system suitable for forestry asset management. Includes a GPS receiver accurate to less than one meter, a backpack carrying system, and data processing software for updating and validating geographic databases.

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GEOGRAPHIC POSITIONING
140 Arkansas Street
Monticello, AR 71655
(501) 367-7410
Fax: (501) 367-7520
Contact: Jason Heyn, Division Manager

Geographic Positioning is a leading-edge company conducting sales and service of GPS and GIS systems to a wide variety of customers. Geographic Positioning represents only the finest GPS/GIS manufacturers. These include Advanced Research Corporation, Communication Systems International, and Corvallis Microtechnology Geographic Positioning’s service is customized for the individual client. Information provided ranges from accurate acreage maps to GIS map files to import into ARC/INFO or similar systems. Some of the companies employing these services include International Paper, Resource Management Service, Boise Cascade, and Bear Island Timberland.

Geographic Positioning, a division of Timberland Enterprises, provides the highest quality in sales and service at a competitive cost. Regional offices support the entire eastern United States. Call toll-free today at (888) 367-8561 with any questions or to request literature on the GPS/GIS products and services. Geographic Positioning looks forward to meeting and exceeding your GPS and GIS needs.

See our advertisement on page 52.
Magellan Systems Corp.
960 Overland Court
San Dimas, CA 91773
(909) 394-5000
Fax (909) 394-7050
Contact: Mike Etherington, Marketing and Sales Manager

Magellan Systems, a leading manufacturer of versatile, reliable, and affordable global positioning system (GPS) receivers, offers forestry managers a variety of professional positioning and data collection products for timber management, including the hand-held ProMARK X GPS receiver/data logger, the FieldPRO V hand-held GPS receiver, and the MBS-1 12-channel base station. The 10-channel ProMARK X-CP will generate carrier-phase, post-processed differential GPS accuracy within a single meter. The company's low-cost FieldPRO V serves as a basic positioning and mapping tool while also providing field crews with an affordable navigation device. The MBS-1 generates pseudorange and carrier-phase data for postprocessing differential GPS corrections and will interface with any portable GPS receiver system through RINEX. Magellan products interface with a variety of geographic information systems (GIS) formats, databases, and spreadsheets.

Optico Field Equipment and Supplies
5013 Pacific Highway East, Suite 3
Fife, WA 98424
(800) 303-1519
Fax (206) 926-1230
Contact: Frank Maguire, Area Sales Manager

Sales, rental, servicing, and training for Trimble GPS products, Nikon and Pentax survey instruments, AGL and Pro Shot lasers, and Criterion range lasers. Field equipment and supplies including compasses, clinometers, cruisers' vests, flagging tape, tapes and chains, HP calculators, data collectors, meteorological instruments, drafting supplies, and more. Fast, efficient service; competitive pricing; first-class products. See our advertisement on page 10.

Hand-Held Data Collectors

Juniper Systems
1740 North Research Park Way
Logan, UT 84341-1941
(801) 753-1714
Fax: (801) 753-1896
Contact: Jim Saalfeld, Vice-President of Natural Resources

Juniper Systems specializes in field computing solutions for forest management applications. We offer top-performing DOS-based Field Computers and economical Field Books. Both units are rugged and waterproof for use in harsh conditions. We also provide data-recording accessories and software packages for timber cruising, forest inventory, and regeneration surveys.

A field computing system from Juniper Systems offers the following advantages: (1) data are quickly collected by hand-keying information into a Field Computer or scanning a bar code template that emulates your paper tally; (2) the Field Computer does the tedious tallying and number crunching; (3) data are automatically transferred from the Field Computer into your desktop computer, completely eliminating costly transcription errors; and (4) data are imported into your database or spreadsheet program for immediate report generation.

With a field computing system, you will do more work with fewer people and get faster, more accurate results. Contact us to discuss your application.

Sprengnether Instruments, Inc.
4150 Laclede Avenue
St. Louis, MO 63108
(314) 535-1682
Fax: (314) 535-1252
Contact: Robert Leugoud, Executive Vice-President

Sprengnether Instruments, Inc. offers both hardware and software solutions for field computing in hostile environments. The TMDR is an ultra low power, hand-held field computer, operating for 120 hours on batteries. It features a large 40-character x 16-line screen, a 60-key keyboard, and 1–3 megabytes of memory. The TMDR offers noncomputer users simplicity of operation, applications flexibility, field reliability, and PC programmability through APG++. APG++ is an object-based software development tool that allows users to quickly design custom data acquisition applications for DOS-based systems without programming. Forestry applications that can be easily modified include stand inventory and cruising. Demonstration disks are available for APG++, Stand, and Cruise. Call us for more information on solutions to your field computing needs.
ACORM™ (American Cyanamid Optimal Reforestation Manager) helps foresters and landowners make better forestry investment decisions for southern pine stands. ACORM lets you quickly calculate yields for three levels of herbicide site-prep intensity, compared to high- and low-intensity mechanical site prep. The program also projects values at each rotation age to determine maximum Bare Land Value (BLV). It prints an easy-to-read summary of recommendations and financial data, including Net Present Value (NPV) and Internal Rate of Return (IRR). New version ACORM 2.0 adds a flatwoods prescription key and financial evaluation of herbaceous weed control, plus other enhancements, to this university-designed expert system. ACORM is Windows-based and compatible to Windows 3.1 and Windows '95. Registered users will automatically receive a free upgrade to ACORM 2.0. New users can get ACORM 2.0 for only $39 with free upgrades. Contact your Cyanamid Forestry Products Specialist or call the number above for ordering information.

Estimate forest cover easily and accurately with the GRS_Densitometer. When used with line-point transect sampling, the GRS_Densitometer combines horizontal and vertical vegetation sampling. This enables the collection of resource information across the landscape (horizontally) at different forest canopy levels (vertically). Transect sampling with the GRS_Densitometer provides estimates of cover for any element in a forested environment, such as trees, shrubs, herbaceous, snags, etc. This method of sampling has been shown to be accurate, objective, and repeatable between observers.

Other related products are the Trans_in and Trans_sum. Trans_in is a data collection program allowing you to edit and process data as it is collected. Trans_sum is a data summary program that processes data collected by Trans_In, and is useful for generating vegetation cover descriptions while onsite or in the office.

GRS also provides expertise and services related to GIS and image processing/remote sensing technologies.

Costs: GRS_Densitometer: $60; Trans_in: $500; Trans_sum: $500.

See our advertisements on pages 10, 56.

Protect your field personnel with the Tick-Attack® Kit—the most advanced first aid kit for tick bites! This compact kit features a “credit card” style package that can be carried at all times and is always available when you need it. Each kit contains a high-tech tick removal tool, color identification photos, optical magnifier, specimen storage well, topical antiseptic, adhesive bandage, tick log, and educational materials—all in a case weighing less than one-half ounce that fits along with your credit cards! Used by government agencies in more than 100 national forests in 25 states. Reduce risk of Lyme disease! Order your kits at (800) MINI-KIT. $9.95 each.
Mobile Field Applications

MAPFRAME CORPORATION
4809 Cole Avenue, Suite 270
Dallas, TX 75205
(214) 443-9540
Fax: (214) 443-9544
Contact: Diane McQuarie, Marketing Manager

MapFrame's innovative pen-based software brings the power of mobile computing to forestry inventory and GIS. The software runs on high-powered pen computers far exceeding the capabilities of conventional hand-held data collectors. With MapFrame software, you can quickly update and verify timber management information on site, efficiently monitoring field conditions. Download data from your corporate GIS and make changes in the field directly on an electronic map. Sketch, measure, and write notes (using the screen as an acetate overlay), then upload the information back in the office. The result: immediate and appreciable performance gains through increased effectiveness and the elimination of redundant data entry. To make sure you get exactly what you need for mobile resource management, we offer easy customization options. Prebuilt modules (defining a variety of mapping, graphics, forms, and database functions) can be quickly configured for job-specific solutions. Clients, in effect, "choose" the desired elements for their particular solution.

Poison Ivy/Oak Control

HYDROMER, INC.
35 Columbia Road
Branchburg, NJ 08876
(800) 564-2828
Fax: (908) 526-3633
Contact: Lee A. Generale, Director of Sales and Marketing

Keep your workforce working! Hydromer's Poison Oak and Ivy Barrier lotion provides up to eight hours of protection against the oil in these plants that causes the allergic reaction on the skin. Available in convenient 4-oz. bottles or 64-oz. dispensing units. Call for more information and prices.

ORAL IVY, INC.
104 Guy's Lane
Bloomsburg, PA 17815
(717) 389-1814
Fax: (717) 389-0126
Contact: Robert A. Miller, President

Oral Ivy® prevents ivy, oak, and sumac poisoning. All you need to do is take five drops of Oral Ivy daily in water or juice to stimulate your body's natural defenses against poison ivy, oak, and sumac. Foresters all across the US are taking Oral Ivy and no longer worrying about the agony that used to be inevitable for many of them. Oral Ivy is safe and effective. Employers find it cuts lost time and worker compensation claims due to ivy and oak poisoning. All this peace of mind and cost savings for just 7 cents a day! The 1.2-ounce squeeze bottle lasts about six months, and costs only $12.50. Better yet, when you buy a dozen, the cost per bottle is $7.50, a mere 4 cents a day. Oral Ivy is available through many forestry and safety products suppliers, or may be ordered direct by calling us at 1-800-553-6778.

Red Tail Publishing

RED TAIL PUBLISHING
PO Box 493591
Redding, CA 96049-3591
(800) 473-3824
Contact: Mary Livingston, Owner

"Where does wood come from?" Tyler, age 6. "Will we ever run out of trees?" Rachel, age 8.

From paper to medicine, forests touch our lives every day. *Forests, Trees & Wood* represents today's forestry. It is the first book in Red Tail Publishing's natural resource series. The full-color illustrations coupled with the positive message about our forests and their future make an enjoyable read. Foresters, teachers, and parents have found this book and accompanying study guide to be an asset when teaching about forestry.

"When I grow up I want to work in the forest," Andy, age 9. "It is so true to life...and I've seen a lot of forests in my day," Irene Pittman, age 98, retired teacher.

Hardcover, 32 pages, color illustrations. Includes study guide. Ages: Children up to 10 years old. $14.95 plus $3 shipping. Call for shipping costs for multiple books. Resale and educational discounts available.

Remote Sensing

EARTH RESOURCE MAPPING
4370 LaJolla Village Drive, Suite 900
San Diego, CA 92122
(619) 558-4709
Fax: (619) 558-2657
E-mail: queries@ermapper.com
http://www.ermapper.com
Contact: Paul Levine, Sales Manager

ER Mapper is an advanced digital image processing data integration and map production system created to help foresters integrate, enhance, visualize, interpret, and present geographic data. In contrast to conventional "disk-to-disk" products, ER Mapper features a breakthrough that allows truly interactive "real-time" integration and processing of data. The point-and-click graphical user interface streamlines complex image processing tasks to provide a fast, flexible "what if" tool.

Classify raster images. Analyze your forest resources for crown closure, species, stand type, or vigor with powerful and easy-to-use supervised and unsupervised image classification.

Manage resources. Combine data from database or GIS products, including an editable link to ARC/INFO coverages. Convert raster regions to vector polygons. Calculate polygon statistics.

Flexibly produce maps. Produce accu-
rate maps from a regional to a local level. Highlight forest stands or change. Add grids, text, automatic classification keys, and north arrows quickly and easily. Get high-quality output to all devices from the built-in PostScript compatible hardcopy engine.

Try before you buy! Ask for your free CD-ROM containing ER Mapper, full online manuals, tutorials, example images, and a free data viewer.

**Geographic Resource Solutions**

1125 16th Street, Suite 213
Arcata, CA 95521
(707) 822-8005
Fax: (707) 822-2864
E-mail: grs@northcoast.com
Contact: Tim Hill

Geographic Resource Solutions (GRS) is a recognized industry leader in vegetation mapping using digital imagery. Our staff have extensive backgrounds in forest inventory, remote sensing, and computer science. GRS incorporates measured field data, GPS, GIS, and image processing techniques to produce detailed vegetation inventories over large areas. Proven methodologies developed by GRS have provided clients with the most accurate and cost-effective solutions that are commercially available. Don't take our word for it, see for yourself. Call GRS for a sample data set that includes a GIS layer and satellite imagery.

See our advertisements on pages 10, 56.

**James W. Sewall Company**

147 Center Street, PO Box 433
Old Town, ME 04468
(207) 827-4456
Fax: (207) 827-3641
E-mail: edson@jws.com
Contact: David Edson, Vice-President of Forestry & Natural Resources

Sewall Company is a natural resources and forestry consulting firm with 115 years of experience. We attribute our enduring success to the application of leading-edge technologies by skilled personnel. Services provided include: the appraisal of forestland, natural areas, conservation easements, commercial and industrial properties, and partial interests; forest inventory design and implementation; remotely sensed image processing, enhancement, and classification; the development of GIS coverages and linked databases for stand-level forest management systems and broader industry analysis; forest economics and investment analysis; feasibility and resource availability studies; aerial photography and photo interpretation; global positioning systems (GPS) services; forestland management; urban forest inventories and management plans; and expert testimony.

Our 125 employees include professional foresters, appraisers, business and resource analysts, GIS and mapping specialists, photogrammetrists, engineers, surveyors, and pilots. Our experienced team can provide the integrated services you require.

**Pacific Meridian Resources**

5915 Hollis Street, Bldg. B
Emeryville, CA 94608
(510) 654-6980
Fax: (510) 654-5774
E-mail: pmr@clt.com
Contact: Gene Forbush, Principal

Pacific Meridian Resources is an integrated GIS, remote sensing, and forestry consulting firm. It uses aerial photography, satellite imagery, and airborne scanning to classify and monitor forests, range, wetlands, and other vegetation. The firm employs a variety of GIS software to update maps and to analyze timber supply, wildlife habitat, watershed impact, and land-use alternatives.

Other services include system design, onsite assistance, training, and imagery procurement. Pacific Meridian also develops applications software, including LUCCAS for land change detection, FIRE! for simulating wildfire spread, and SFT for testing the spatial feasibility of harvest scheduling solutions.

The firm's forestry practice includes inventory design and implementation, appraisal, forest planning and management, and timber sale administration.

Pacific Meridian's clients include forest products companies, Native American tribes, financial institutions, landowners, utility companies, trusts, and government agencies. Its multidisciplinary staff are also located in Salt Lake City, Atlanta, Juneau, and Portland, Oregon.

See our advertisement on page 59.

**Seeding Services/Products**

**Lawyer Nursery, Inc.**

950 Highway 200 West
Plains, MT 59859-9706
(406) 826-3881
Fax: (406) 826-5700
E-mail: pln3881@montana.com
Contact: Mike Johnson, Sales Manager

Our bare root nurseries in Plains, Montana, and Olympia, Washington, produce seedlings and transplants for reforestation, reclamation, windbreaks, Christmas trees, and ornamental liners. We offer the largest selection of species, sizes, and grades available in the industry, with over 300 species and varieties of native and nonnative trees and shrubs. Annual production capacity of 25 million plants. Shipping from modern cold storage facilities by refrigerated truck or UPS to all states. Seed division offers over 900 species of trees and shrubs with worldwide sources.
establishment. For the past 12 years, we have been the leader in container seeding technology and production in the Southeast. This technology is responsible for the resurgence in successful planting of longleaf pine across the southeastern US. More recently, IFSCO has become a major supplier of bare root seedlings for a wide variety of forestry projects on forest industry, public agency, and private lands. Seedling production (container and bare root) is currently based in the Southeast. Seed is procured and shipped throughout the world. IFSCO also operates full-service seed testing facilities. The company mission is “helping people grow trees.” Call today for more information.

**LAWYER NURSERY, INC.**
950 Highway 200 West
Plains, MT 59859-9706
(406) 826-3881
Fax (406) 826-5700
E-mail: phn3881@montana.com
Contact: Mike Johnson, Sales Manager

Our bare root nurseries in Plains, Montana, and Olympia, Washington, produce seedlings and transplants for reforestation, reclamation, windbreaks, Christmas trees, and ornamental liners. We offer the largest selection of species, sizes, and grades available in the industry, with over 300 species and varieties of native and nonnative trees and shrubs. Annual production capacity of 25 million plants. Shipping from modern cold storage facilities by refrigerated truck or UPS to all states. Seed division offers over 900 species of trees and shrubs with worldwide sources.

**PAULOWNIA HARDWOOD TREES, CAROLINA PACIFIC INTERNATIONAL, INC.**
304 East Chatham Street
Cary, NC 27511
(800) 706-5037
Fax: (919) 462-0302
Contact: Scot Corbett, President

Carolina Pacific International, Inc. specializes in Paulownia hardwood plantations. The company is a leader in the production of genetically improved seedling stock. CPII’s patent-applied super tree, “Paulownia elongata Carolina,” has gained widespread acceptance and phenomenal results in the US since its release to the market in 1994.

“Elongata Carolina” prefers well-drained sites with sandy loam and grows to harvestable maturity in 8-12 years. Properly managed plantations can return up to $10,000 per acre in a 10-year growing term. Planting season is April through September.

Replanting after harvest is not necessary as the trees regenerate from the cut stump. The timber is lightweight, blond in color, and strong. It makes excellent furniture, veneer, molding, plywood, and decorative panels. It accepts stain well, is very dimensionally stable and has a similar appearance to and the woodworking qualities of mahogany. Call for an information package and price list.

See our advertisement on page 35.

**WINSTRIP, INC.**
PO Box 5095
Mills River, NC 28742
(704) 891-6226
Fax: (704) 891-8581
Contact: Sarah J. Lupfer, Special Projects Manager

Winstrip is a patented containerized growing system designed to provide optimum rootball aeration and air pruning of roots, resulting in an exceptionally healthy, vigorous root system. Since all the benefits of the Winstrip System are based on the free flow of air under and through the tray, growing must take place on an open table. Use of the Winstrip in reforestation projects in Haiti, and subsequent added improvements over eight years, have led to a revolutionary growing system that promotes the natural growth pattern of the tree’s penroots in the nursery stage. Winstrip trays are injection molded, and are designed to last for many growing seasons. Each tray measures approximately 10” x 20”, holds 72 plants, and has a cell depth of 5”. Tray prices are $3.97 FOB Fletcher, NC. Call us for more information.

**Signs**

**GREENLINE PRODUCTS**
1616 Commerce Drive
Stow, OH 44224
(800) 438-4733
Fax: (800) 232-9872
Contact: Sally Chamberlain, Sales Representative

GreenLine Products identification and general purpose markers are manufactured from recycled materials. GreenLine products contain 50% postconsumer-recycled, engineered polymers. More durable than glass-filled or commodity materials. GreenLine high-impact recycled polymers can withstand repeated impacts at varying rates of speed. They will not rust, kink, dent, or remain bent after impact like steel or other products. They also will not harm auto bumpers and do not require maintenance like wooden posts. The low water absorption materials will not delaminate or become brittle from freeze-thaw cycles. They maintain their integrity, providing exceptional performance in high-wind conditions, in extreme hot and cold temperature, and after exposure to the sunlight. GreenLine’s high-gloss polymers offer improved visibility day or night. GreenLine offers an assortment of decals for parks, roads, and all government departments’ special needs. Our GSA contract number is GS-07-8404C. Contact Sally at GreenLine for information and prices.
Voss Signs has been providing signs for the forest industry for over 30 years. We screen-print our signs on both aluminum and plastic, which has proven to be long-lasting and durable for many applications such as boundary markers, forest preserve signs, warning signs, trail markers, or other sign needs.

We have complete typesetting and art facilities or we can work from your artwork. Give us a call at (315) 682-6418 or (315) 682-7335. We will promptly return a quotation. A proof of your sign will be provided before final production.

Thanks for making Voss Signs your sign company.

Laser Technology is a leading manufacturer of laser-based surveying and mapping systems. These hand-held lasers make range, azimuth, and vertical angle measurements to nearly any object without reflectors or multiperson crews. They also interface easily with any GPS system for GIS data capture. LTI lasers are used nationwide by leading private organizations and government agencies for a variety of mapping and measurement applications.

The Criterion Series of survey lasers enables field workers to perform boundary, site, and engineering surveys. These portable, cost-effective systems facilitate plot layout, stem mapping, and diameter measurements as well.

LTI’s new Impulse is designed for quick distance checks and reliable height calculations. The Impulse uses the power of pulse ranging and tilt measurements into a rugged, 2-lb waterproof instrument.

Whether you need to inventory resources in the field or at the sawmill, you’ll find LTI has a laser-based solution that’s right for you.

Optico Field Equipment and Supplies

5013 Pacific Highway East, Suite 3
Fife, WA 98424
(800) 303-1519
Fax: (206) 926-1230
Contact: Frank Maguire, Area Sales Manager

Sales, rental, servicing, and training for Trimble GPS products, Nikon and Pentax Survey Instruments, AGL and Pro Shot lasers, and Criterion range lasers. Field equipment and supplies including compasses, clinometers, cruisers’ vests, flagging tape, tapes and chains, HP calculators, data collectors, meteorological instruments, drafting supplies, and more. Fast, efficient service; competitive pricing; first-class products. See our advertisement on page 10.

SnakeStake Marking Products

416 Chelsea Woods
Lexington, KY 40509
(606) 226-9457
Fax: (606) 231-0055
http://www.mis.net/snake/
Contact: Charles Black

SnakeStake Marking Products has introduced a new, improved, flexible survey marker. The marker can be fastened to virtually any surface: earth, blacktop, concrete, coal, bedrock, masonry, wood, reinforcing steel, and even ice. SnakeStakes are 1.25 feet long and 1.25 inches wide, come in “construction orange” for excellent visibility, and require no flagging. SnakeStakes are manufactured from a special 10-mil plastic that can withstand desert to arctic climates. One hundred stakes weigh 20 ounces. SnakeStake’s flexibility enables the marker to spring back into position when bumped or knocked over by vehicles, etc. Even if flattened by a direct wheel load, SnakeStake can easily be re-creased by hand and it will stand erect. SnakeStake is used in all types of survey work, marking trails, archaeological sites, landscaping, forestry, mining and quarrying, stockpiling materials, underwater layout, and building construction. Contact us today for more information.

The Nelson Paint Company is considered the world’s leading authority in forestry marking paints and paint marking equipment for the forest industry. Nelson products are the standard by which all similar products are measured, from their world famous nonsettling, fade-resistant SUPER-SPOT TREE AND LOG MARKING PAINT to the specialized tools used for its application.

The Nelson PAINT CAN/HAND GUN revolutionized the forest industry by making it easy, efficient, and economical to mark trees. It was fol-
lowed by AERO-SPOT (the first forestry paint in an aerosol can), the felt-tipped PAINT HAMMER, a flexible TUBE MARKER, and the “007” PAINT PELLET PISTOL for marking long distances.

Nelson products are sold direct and through leading forest product suppliers worldwide. For more information on Nelson products, write, phone, or fax the Nelson location nearest you.

**Tree Water Use**

**PP SYSTEMS, INC.**

619 Primrose Street
Haverhill, MA 01830
(508) 374-1064
Fax (508) 374-0972
E-mail: mdppsystems@delphi.com
Contact: Michael L. Doyle, Director of Sales

Remote Data Systems, Inc. (RDS) manufactures affordable, highly reliable, battery-operated, shallow ground water and surface water level monitoring instruments. Using microprocessor controlled measurement, each unit comes pre-programmed to collect data at variable timed frequencies within a wraparound memory. Downloading of data is accomplished through wireless infrared transmission to a hand-held computer/calculator. These versatile products are used for wetland hydrology studies, storm water monitoring, waste application and systems monitoring, and forest hydrology studies. Shipped “live” from the factory, each unit is ready to go when you receive it. Use this equipment to economize your data-gathering activities, improve data quality, and increase your overall productivity. Prices start at $845. Lease plan is also available. Begin now and put RDS technology to work for you. Let us know how we can help you get the results you need.

**Water Measurement Analysis Tools**

**AVENTECH RESEARCH, INC.**

2700 Steeles Avenue W., Suite 202
Concord, Ontario
Canada L4K 3C8
(905) 669-8018
Toll-free: (800) 235-7766
Fax: (905) 669-8085
E-mail: aventech@passport.ca
Contact: Stephen Foster, Head, Sales and Marketing

Aventech Research, Inc. manufactures advanced airborne meteorological sensors to improve the safety and efficiency of forest protection. Forest fire behavior, smoke management, prescribed burn safety, and off-target drift of aerially applied pesticides are critically influenced by site-specific, upper-air meteorology. Our aircraft sondes define temperature (e.g., mixing heights), wind, and humidity conditions aloft using operation support aircraft (e.g., Cessna 172) with real-time digital radio telemetry to a ground-based PC. The speed, mobility, and flexibility of airborne platforms offer unique capabilities for defining local conditions aloft in three dimensions. Such local upper-air reconnaissance data minimizes the impact of unexpected weather on the environmental responsibility and safety of forest protection operations.

**Weather Measurement Equipment**

**Remote Data Systems, INC.**

PO Box 2522
Wilmington, NC 28403
(910) 313-0105
Fax: (910) 452-0060
Contact: John Lacer

Remote Data Systems, Inc. (RDS) manufactures affordable, highly reliable, battery-operated, shallow ground water and surface water level monitoring instruments. Using microprocessor controlled measurement, each unit comes pre-programmed to collect data at variable timed frequencies within a wraparound memory. Downloading of data is accomplished through wireless infrared transmission to a hand-held computer/calculator. These versatile products are used for wetland hydrology studies, storm water monitoring, waste application and systems monitoring, and forest hydrology studies. Shipped “live” from the factory, each unit is ready to go when you receive it. Use this equipment to economize your data-gathering activities, improve data quality, and increase your overall productivity. Prices start at $845. Lease plan is also available. Begin now and put RDS technology to work for you. Let us know how we can help you get the results you need.

**Editor's note: Inclusion in the Buyers Guide does not represent endorsement of the Society of American Foresters.**