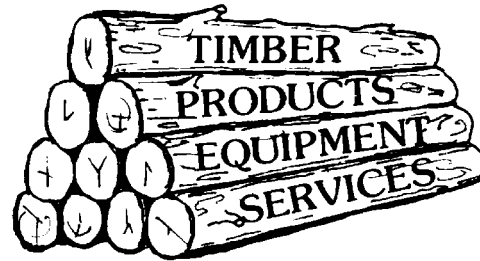




A Service to
Minnesota's
Forest Industry

The Market Place



Fall 2001

Hello. My name is Keith Jacobson. I have taken John Krantz's Utilization & Marketing position on a temporary basis until the Division of Forestry decides which positions to fill after a slew of retirements this summer. My first words are to thank John for his 34 distinguished years with Division of Forestry. He did so much for the citizens and forests of our state, and is deserving of our gratitude for a job well done.

My own background is that of a field forester for DNR for the last 20 years. I started out doing inventory at various places in northern Minnesota for 4 years, then was a forester in Lake City for 15 years. For the past year, I was Utilization & Marketing Forester for southern Minnesota. On to some updates and information:

Recent Happenings in the Forest Product Business in Minnesota

Pulp and Paper

Continued doldrums for this important contributor to Minnesota's economy. A worldwide glut of paper from international overcapacity, a weak worldwide economy and a strong U.S. dollar hurting exports and making imports more attractive are all contributing factors. Continued consolidations are possible in the industry.

Softwood Lumber and OSB

Demand and prices have drifted lower for the past few weeks, following what had been a good recovery this spring. On the bright side, the lowest interest rates in years have contributed to continued fairly strong housing starts, which should help keep demand from softening too much. Also, as many of you have already heard, Cana-

dian softwood lumber has had a 19.3% duty imposed on it after determination by the US Commerce Department that Canada's lumber industry receives unfair subsidies from the government.

Hardwood Lumber Outlook

Stiff overseas competition in the furniture and hardwood dimension industries, along with continued high stumpage prices and decreased profit margin, have contributed to an increasingly tough hardwood lumber market.

Wood Packaging for Products Exported to Europe

In case anyone in the export business has not heard yet, the European Union has enacted emergency measures requiring the treatment and marking of all new

and used *coniferous* (pine, spruce, fir) non-manufactured wood packaging material originating in the US or Canada in order to prevent the introduction of the pinewood nematode. **Only packaging (pallets and crates) bound for Europe is affected.** Acceptable treatment can include heat treatment, fumigation or pressure impregnation. The wood is required to bear a mark indicating the organization that treated the wood and the location of the organization.

Pallets or crates made entirely of *deciduous* species (aspen, oak, cottonwood, etc) or *manufactured wood products* such as plywood, OSB, veneer or particle board **are exempt from the regulations.**

For more information, visit the USDA website at <http://www.aphis.usda.gov/ppq/swp/eunmwp.html>

Certified Forestry

On October 17, the Meridian Institute released results of a study jointly commissioned by the Forest Stewardship Council, the American Forest and Paper Association, and the Home Depot, entitled "A Comparative Analysis of the Forest Stewardship Council and Sustainable Forestry Initiative Certification Programs." We thought you might find this report of value. If you wish to download a copy of the full report or the executive summary, visit www.merid.org/comparison.

Stumpage Prices

Stumpage prices continue to be at historic highs for aspen. Stumpage prices for most other species are holding up well also, with a few exceptions including basswood and ash sawlogs and veneer.

Primary and Secondary Forest Products Directories:

We are in the process of updating our primary (Sawmill) and secondary (Wood Product Manufacturer) Directories. The response to the sawmill survey has been about 60% (quite good, but we hope for better) and the secondary manufacturer survey about 20% (we need to do better here). For those of you who have sent

back your surveys, many thanks. For those of you who have not been contacted or who have chosen not to return the surveys, please consider that these directories serve several important functions:

- First, they are a great marketing tool. They provide a very effective means of linking buyers and sellers of specific wood products. When we get the directories on-line in the next few months, the potential marketing power will increase greatly.

- Second, these directories provide a tremendously useful summary of the forest industry locally by county and in our state as a whole. This is far more important than many people realize. When policy makers such as legislators or County Commissioners, planners or even ordinary citizens ask questions about what the impact of forest industry is in their district or county and why they should care if it remains a vibrant industry, it is important that we not "understate the case". In other words, if you choose not to participate, you can make the forest products industry look smaller and less important than it actually is.

Training Opportunities

The Forest Product Management Development Institute at the U of M has several excellent upcoming training opportunities:



- **Understanding Wood II – The Nature of Principal Wood Products**, introduces

participants to the most common products made of wood. Dates: November 7, 2001 at Cloquet Forestry Center or November 9, St. Paul Campus – U of M

- **Understanding Wood III – Measurement of Wood and Wood Products**, introduces

participants to log and lumber scaling, cord scaling, weight scaling and wood byproduct and residue measurement. Date: November 30, 2001, St. Paul Campus – U of M.

- **Lumber and Building Materials Short Course**, an

intensive 2 week course for those involved in retail and wholesale sales of wood products and building materials, emphasizing product knowledge. Dates: February 4-14, 2002. St. Paul Campus – U of M.

For more information or to register for the courses, contact Jim Bowyer at 612-624-4292 or jbowyer@cnr.umn.edu

Foreseeable Future

It looks like it will be a challenging time in the forest products industry for the foreseeable future. One of the things that has always impressed me about folks in the wood business, however, is their willingness to work hard, adapt and do what needs to be done to stay competitive. We need to pull together in order that wood products and forestry remain an important, viable part of Minnesota's economy and resource management picture. I have on occasion heard folks in the wood products industry talking about foresters as if they were the enemy. In the same vein, I have heard a few foresters characterize folks in the industry as unconcerned about resource management. Clearly, we all need the same thing: Sustainable management of Minnesota's forest resources and a viable forest products industry contributing to the economy. To insure these things into the future, we need to pull together on issues such as public education and logger and forester training. So, what can we do? I suggest that if you are not already involved, consider becoming active with one or more of the following groups:

Wood Promotion Network

The Wood Promotion Network is a three year campaign funded by individual businesses and trade associations in the forest products industry with the goal of promoting wood products and increasing confidence in the sustainability of North America's forests. The catch phrase for their campaign is "Be Constructive: Wood". For more information or to contribute to the Wood Promotion Network, contact Kelly McCloskey, President & CEO of the Network at 604-891-1224 or Email at Kelly@woodisgood.org.

Minnesota Logger Education Program (MLEP)

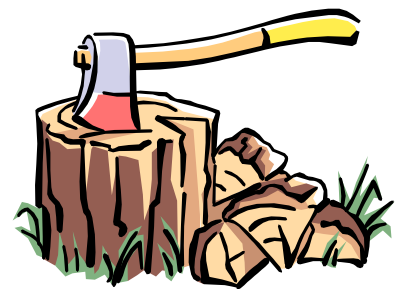
MLEP is a non-profit, member funded organization dedicated to logger training and professional development in the logging industry. They have put on annual training programs for loggers and professional resource managers. Not only do these sessions help in education, they also can provide an important function of facilitating dialogue between loggers and foresters. MLEP's current 500 members are responsible for over 80% of Minnesota's annual timber harvest volume. For more information contact Mike Turner, Executive Director, at 218-722-5442 or Email at www.mlep.org.

Timber Harvesting and Forest Management Guidelines

The Minnesota Forest Resources Council is requesting public review and comment of the existing timber harvesting and forest management guidelines as part of the effort to identify any needed modifications. The guidelines can be viewed on the Council web site at

www.frc.state.mn.us.

Written comments should be sent to Mike Phillips, Council Guideline Development Coordinator, MN DNR Division of Forestry, 500 Lafayette Road, St. Paul, MN 55155-4044.



Where To Go For Help

Where to go for help in these challenging times? Obviously, no government agency is going to make your business a success, but we do offer several sources of help. Folks should consider using some of these services if they see a need in their business. That is why we are here. A partial listing of some of the services provided follows. More in future issues:

DNR Forestry Utilization & Marketing:

Services:

- Provide information and analysis about Minnesota's forest resources.
- Provide information about improving utilization of wood resources, wood residue use and availability.
- Promote markets for under-utilized species.
- Provide marketing help through the publishing and maintaining of forest product directories, the MarketPlace Bulletin, and through one to one contacts.
- Promote rural economic development through partnerships with various agencies and groups.

Staff:

Keith Jacobson, (full-time) St. Paul; 651-296-6491; Email: keith.jacobson@dnr.state.mn.us
Rick Dahlman, (10% of his time) St. Paul; 651-296-6502; Email: rick.dahlman@dnr.state.mn.us
Jeff Edmonds, (10% of his time) Bemidji; 218-755-2894; Email: jeff.edmonds@dnr.state.mn.us
Paul Peterson, (10% of his time) Brainerd; 218-828-2616; Email:

paul.peterson@dnr.state.mn.us
Jean Mouelle, (40% of his time) St. Paul Metro; 651-772-7567; Email: jean.mouelle@dnr.

state.mn.us

Lynn Mizner (20% of her time - Forest Certification Issues) Aitkin; 218-927-7511; Email: lynn.

mizner@dnr.state.mn.us

Steve Vongroven (30% of his time) Mora RC&D Office; 320-679-5860; Email: steve.

vongroven@dnr.state.mn.us

U of M Extension

Consumer information line: 612-624-7712. A graduate research assistant will answer general questions about the properties and uses of wood.

Extension wood products specialists:

Tom Milton - 612-624-5307, e-mail: tmilton@forestry.umn.edu

Information and educational programs dealing with sawmilling, wood preservation treatments and use of treated wood products, wood machining, and general questions relating to the use of wood and wood products.

Harlan Petersen - 612-624-3407, e-mail: hpeterse@cnr.umn.edu

Information and educational programs dealing with wood drying, wood moisture relationships, lumber grading, and general questions relating to the use of wood and wood products.

Natural Resources Research Institute – Duluth

Wood Materials and Engineering Program. Director, Brian Brashaw; 218-720-4248

Research priorities include developing higher value uses for low grade hardwood lumber, implementation of nondestructive evaluation (NDE) technologies for wood components and systems, and efficient use of wood and other materials. We are developing the technical and economic basis for using low grade hardwoods for structural applications and advancing NDE equipment for use in finding decay in logs and trees and defects in hardwood lumber and timber bridge components. A membrane press technology center has been developed and is available for clients. Focused laminating research is completed on materials, processing, and performance of kitchen, furniture components, and store fixtures.

Secondary Wood Products Program. Director, Pat Donahue 218-720-4257

The focus in this area is on added-value wood-based product development. Specifically, the conversion of panel products, lumber, dimension stock, veneer, synthetic laminates, wood/plastic composites, adhesives, and finish coating systems into new, useful market-ready products. Specific areas of expertise are: dry end veneer processing; case-goods (cabinetry/furniture); engineered wood flooring; fenestration (windows and exterior doors); interior millwork (trim, stair parts, and passage doors); building systems – wooden frames.



Equipment Wanted

WANTED Portable mill. 100,000 bd ft + to cut. Contact: Dave Siwek, Siwek Lumber, 350 Valley View, Jordan, MN 55352. Phone: (952) 492-6666. Fax: (952) 492-6676. E-mail: DJSLBR@hotmail.com.

Forest Products Wanted

WANTED White/bur oak crooks, knees, curves, etc. For building and restoring traditional Dutch fishing sailboats/botters, 1 + foot diam. Also, looking for 45 long white/bur oak logs. Contact: Erik Wardenaar, 2195 Bonnie Lane, Golden Valley, MN 55422. Phone: (612) 599-3888. E-mail: sarikfan@earthlink.net.

WANTED Green northern hardwood lumber. Contact: Greg Blomberg, MacDonald & Owen Lumber, Box 238, Banger, WI 54614. Phone: (800) 657-6990. Fax: (608)486-2769. E-mail: GBWMBO@aol.com.

WANTED Hardwood log producers from E Central and NE Minnesota. Buying hardwood species, including birch bolts, deliveries FOB or landings. Contact: Lynn Erickson, Park Falls Hardwoods, 1925 205th Ave, Mora, MN 55051. Phone (612) 860-1232. Fax: (320) 679-9462. E-Mail: Perick@Pine.com.



Forest Products For Sale

FOR SALE (1) 5000 bd ft red oak 4/4 x 8.5'; (2) 800 bd ft basswood 4/4 to 16/4 x 8.5', air dried, 5-7 years. Contact: John Kleszcz, 11431 Zion Rd, Bloomington, MN 55437. Phone: (952) 884-7203.

FOR SALE 2000 Scotch pine, sheared, 6'-12' tall, christmas trees or landscape. Contact: John T. Kolosky, 4166 Kolosky Rd, Moose Lake, MN 55767. Phone: (218) 485-4944.

FOR SALE (1) 100 bf veneer quality 23" dbh black walnut; (2) 712 bf veneer quality 22"-23" dbh green ash; Contact: Shannon Peterson, 21494 Sherwood Ave, Sleepy Eye, MN 56085. Phone: (507) 249-3671. Fax: (507) 249-2115. E-mail: dpete4@juno.com.

FOR SALE Wood Chips, hardwood and softwood, 1/4" size, animal bedding, 1/2" size, energy chip, 3/4" size (pulp chip), 4/4" size, landscaping chip. Contact: Dave or Steve, Arrowhead Wood Product, 1592 Olsonville Rd, Carlton, MN 55718. Phone: (218) 384-3325. Fax: (218) 384-3187. E-mail: grinnellco@uswest.net.

FOR SALE Northern white cedar posts, poles, cabin logs, 8' lumber; square stock, fireplace mantels and other white cedar products, varied grades. Contact: Duane Maki, Maki Wood Products, 36591 Co. Rd. 39, Deer River, MN 56636. Phone: (218) 246-8738. E-mail: makidm@paulbuyan.net.

- FOR SALE Christmas trees for sale, spruce, 5'-10'-15'-20'- tall. You cut or we cut. \$10.00 or b/o. Contact: Emil A. Johnson, 1608 McKinney Lake Rd, Grand Rapids, MN 55744-4362. Phone: (218) 326-5919.
- FOR SALE (1) Red Cedar Garden furniture kits. All parts are sized, all curved pieces pre-cut. You sand parts, assemble chair and sell it. Adirondack chairs, love seats, foot rests and tables, chairs with curved backs. Assembly jigs available. (2) Salvage Douglas fir timbers sawn to your specs., any size orders, southern yellow pine also available; (3) Mantels, trim, rough or planed timber. Contact: Ken Peter, Timber Ridge Lumber, 3703 Hautala Rd, Cloquet, MN 55720. Phone: (218) 879-6665.
- FOR SALE Cedar boards & post, cut to your specs. Custom cutting bandsaw. Contact: Duane Hogan, Highline Ceador, 19849 375 Ave, Winnebago, MN 56098. Phone: (507) 893-3516.
- FOR SALE Dowels, rods, poles, 3/4" to 2 1/2" dia., lengths up to 16' long with no splicing. Can splice poles longer. Ideal for tool handle replacements. Also make factory cart truck stakes, and replacement parts. Wheelbarrow handles, core plugs, rewinding plugs, plywood shipping circles, pry bars, lifting sticks, paddles, many types of plugs, cutting sticks plus many types of custom made wood products made to customer's specs. Call for quote. Contact: Mark Slade, Mark Slade Manufacturing, P.O. Box 325, Seymour, WI 54165-0325. Phone: (920) 833-6557. Fax: (920)-833-7456. E-Mail: drhandles@new.rr.com.
- FOR SALE Plywood, OSB, particle board, and/or MDF cut to size or shape according to your specifications. Plywood blocks for pallets are available. Contact: Joe Campbell, Steel City Lumber Company, P.O. Box 36189, Birmingham, AL 35236. Phone: (800) 733-1907. Fax: (205) 733-1709. E-mail: Joecampbel@aol.com.
- FOR SALE FSC certified flooring, moulding and kiln dried wood. Call for species and dimensions available. Contact: Mark Henning, General Manager, Hiawatha Sustainable Woods Cooperative (HSWC), 7601 State Hwy 27, Sparta, WI, 54656, Phone: (608) 272-3223. Fax: (608) 272-3713. E-mail: HSWC@voyager.net.
- FOR SALE Wholesale log home materials & supplies, milled logs, siding, fastners, caulking, tapes, treatments, preservatives, fencing, wooden shakes, metal roofing. Ready to nail pallet stock & industrial lumber; custom wooden fabrications, cants & beams for log home construction. Contact: Bob, R.A. Montgomery & Co., 510 N Church Rd, Wernersville, PA 19565. Phone: (610) 678-5703. Fax: (610) 678-5955.
- FOR SALE Small dimension walnut logs 10"-14", 10,000 bd. ft available near Wabasha Cty. Contact: Mike Greenheck, Greenheck Trust, 1562 Como Ave., St. Paul, MN 55108. Phone: (651) 647-1288.

Equipment For Sale

- FOR SALE (1) Bobcat 1075 feller buncher; (2) Bucket, forks, (3) 16" barko shear, tracks, new JD diesel engine, lights and gauges work. \$11,000 or b/o. Contact: Tim Michaelson, MN Brush, 1288 N. Road, Cloquet, 55720 MN. Phone: (218) 879-8124. E-mail: TimMichaelson@aol.com.
- FOR SALE Automated sawmill, four 3-phase electric motors or could be PTO. Mfd by Jackson Lumber Harvester Co., Brewton, Ala. 4-head block, 2- 48" inserted blades, mounted on a flatbed trailer, cab controlled. Live deck/log turner, vertical edger -\$12,000. Contact:

Edwin Haverinen, 34928 119th Ave., Menahga, MN 56464. Phone: (218) 564-4883 Evenings.

- FOR SALE Haisty 2 head 37 x 75 wide belt sander. 1996 model. \$4000 or b/o. Contact: Greg Witt, WKP Inc., 104 W 6th St., Carver, MN 55315. Phone: (952) 448-6000. Fax: (952) 448-1734. E-mail: **WKPINC@mn.rr.com**.
- FOR SALE (1) Sawmill- 52" left hand, 3 head electric over air, 100 hp, infeed deck, log turner, swing saw, good condition - \$8000; (2) Portable edger, 2 blade - \$1500; (3) Case 585 forklift, diesel, good condition - \$8000. Contact Rick or Wendell Backes, Cold Spring Wood Products, 511 S 3rd St, Cold Spring, MN 56320. Phone: (320) 685-3230.
- FOR SALE 6000 # log or lumber forks w\carrier plate. Will fit skid-loader or front end loader. Two sets @ \$500 each. Contact: Wallace Bartel, Bartel Enterprises, 9895 420th St., Harris, MN 55032. Phone: (651) 674-5892.
- FOR SALE 4 head block sawmill with hydraulic dogs and electric set works and 75 hp motor, 48" saw, gang edger w\30 hp electric motor, 380 JD fork lift, live deck. Contact: Rod Richards, Rtn Sawmill, 2011 State 64 SW, Backus, MN 56435. Phone: (218) 947-4224.
- FOR SALE Farmi skidding winches for 3 point hitch tractors, various model Farmi winches for 17- 40 hp, and 60-80 hp, also forwarding log loading trailers, wood chippers, and carbide saw chain. Contact: Dave, Carlton Saw & Machine, 1592 Olsonville Rd, Carlton, MN 55718. Phone: (218) 384-3521. Fax: (218) 384-3187.
- FOR SALE 24A Timberjack skidder, 1984 new tires - \$12,000. Contact: Leland Ward, Gilchrist Logging, RRI, Glenwood, MN 56334. Phone: (440) 230-0618 Evenings.
- FOR SALE Three head block sawmill w\46" inserted tooth saw. Edges and UD 14 international power unit with V belts to saw and edger - \$2000. Contact: Donald Kinnunen, 98 N Cloquet Rd E, Esko, MN 55733. Phone: (218) 879-8841.
- FOR SALE 2000 custom built portable scragg mill, hydraulics adjust 34" blades on the fly, will cut a 9' log into 10" to 3.5" cant, 150 hp gasoline engine, low hours - \$4800 or b/o. Contact: Jake Norsten, 394 E Mainzer St, West St.Paul, MN 55118. Phone: (651) 457-4628. E-mail: **jnorsten@mediaone.net**.
- FOR SALE Sirro stroke delimeter w\rollers, excellent shape - \$18,500 and TJ cable skidder, good rubber and runs good - \$10,500. Contact Shawn Novak, Novak Contracting, 4720 Pine Dr, Orr, MN 55771. Phone: (218) 757-3156 or (218) 787-2220. E-mail: **novaklog@spacestar.net**.
- FOR SALE (1) Woodmizer Portable Bandmill LT 30, non-hydraulic w\ 88 hrs, debarker, logdeck pkg., lubemizer, 25 blades and 2 cant hooks, like new - \$13, 900. Contact: Jim Puchalski, P.O. Box 334, Buffalo Lake, MN 55314. Phone: (320) 833-5822. E-mail: **bobndana@hutchtel.net**.
- FOR SALE (1) 1992 JD 648 E grapple skidder 30.5 x 32 tires - \$35,000; (2) 1989 Timberjack 450B grapple skidder 30.5 x 32 tires w\chains - \$28,000;(3) 1990 Clark F67 grapple skidder 30.5 x 32 tires w\chains - \$27,500; (4) 1978 Clark 664C cable skidder 18.4 x 34 tires, 1 set chains - \$10,500; (5) 1979 Timberjack 230 super E cable skidder 18.4 x 34 tires

w\chains - \$8,500; (6) 1979 Clark 667C cable skidder 23.1 x 26 tires - \$13,500; (7) 18" & 22" roto-sawheads - \$7,000 & \$8,000; also new skidder chains & misc. used parts. Contact: Carl Huber, Box 31, Mine Center, Ontario, POW1HO. Phone: (807) 599-2835. Fax: (807) 599-2822.

FOR SALE Used parts for skidders, small crawlers, and excavators. Parts for CAT, JD, IHC, AC, MH, ATHEY, BANTAM/ KOHERING, BOBCAT, CASE, CLARK, TIMBERJACK, DROTT, FRANKLIN, HEIN-WARNER, INSLEY, LEIBERR, MICHIGAN, MITSUBISHI, NEW HOLLAND, NEW PROCESS, PETTIBONE, TAYLOR, TREE FARMER, AND TROJAN. We also have engines, transmissions, and tires. Also interested in buying salvageable machines. Contact: Schaefer Enterprises, P.O. Box 136, 4535 State Rt 3 N, Wolf Lake, IL 62998. Phone: (800) 626-6046 or (618) 833-5498. Fax: (618) 833-7765. E-mail: parts@sewlparts.com. Web: www.sewlparts.com.

FOR SALE Three Bell 4a Dowel machines with extra blades & setups to 2-1/2" dia. Plus large table saw, 30 blades, some carbide tip, 12" to 16" dia. Contact: Mark Slade, Mark Slade Manufacturing, P.O. Box 325, Seymour, WI 54165-0325. Phone: (920) 833-6557. Fax: (920) 833-9755. E-mail: drhandles@new.rr.com.

FOR SALE 2/4's SPF, 16 to 24" long. Contact: Lee Meyer, Villiage Wood Cutter, 105 E 2nd St, Sherburn, MN 56171. Phone: (507) 764-4651.

FOR SALE (1) Dixon board edger, like new 2" x 20", powered by PTO. (2) Olathe chipper, model 864, powered by 220 hp Cummins. Designed to chip used pallets. Contact: Allen McBurney, 3441 Standlea Rd, Toddville, IA 52341. Phone: (319) 378-9412.

FOR SALE (1) 3 pt Farmi PTO driven logging winches. 165' cable, four models including for skidsteers; (2) 3 pt Valby wood chippers PTO driven for both tractor and skidsteers; (3) Farmi and Primero knuckle boom loaders and forwarding trailers, 7 models; (4) F.A.E. mulching mowers, 4 models; (5) Roadside and orchard flail mowers, 4 models. Contact: Jeff Smaby, 3 Rivers Forestry Inc, N9242 Perkins Rd., Mindoro, WI 54644. Phone: (608) 857-3357. Fax: (608) 857-3957.

FOR SALE (1) Log home cutter set for Pendu saw; (2) Cornell 636 edger; (3) Cornell double arbor resaw system; (4) Cornell cant sizer; (5) Cornell Linebar Resaw; (6) Brewer gang saw; (7) Cornell remote trim saw; (8) Cornell 42" blower w\30 hp drive; (9) Edmiston modular sawmill; (10) Lauerdale Hamilton super chop pop up trimmer; (11) Wagner double arbor gang w/power unit; (12) Arasmith whole pallet grinder; (13) Newman & Hazelthorn chamfering machines; (14) Pendu double arbor resaw system; (15) Morbark waste recycler; (16) Williams hammermill; (17) Hempstead whole pallet grinder; (18) Wilson 4 strand unscrambler w\corley package deck; (19) Rodgers panel saw; (20) Pendu beam unscrambler; (21) Forestor 900 Band resaw; (22) Stake pointers; (23) Dewalt radial arm saw; (24) Waechter 4 head band resaw. Contact: Bob, R.A. Montgomery & Co., 510 N Church Rd, Wernersville, PA 19565. Phone: (610) 678-5703. Fax: (610) 678-5955.

FOR SALE (1) Fresh saws, made to order. We also have a complete line of saw maintenance tools. Contact: Casey Creamer, Seneca Saw Works, 3843 Main St., Burdett, NY 14818. Phone: (607) 546-5887. E-mail: casey@senecasaw.com. Website: www.senecasaw.com

FOR SALE Banding products, from 5mm to 2" steel. Poly banding, many sizes of styles of seals, tools, and parts for most brands. Stock industrial tapes, edge board protectors, stretch wraps,

abrasive discs, and belts. Locations in Fargo, St. Cloud, and Minneapolis. Contact: Michael Bonde, Industrial Supply, Fargo, P.O. Box 2182, Fargo, ND 58108. Phone: (800) 347-0061.

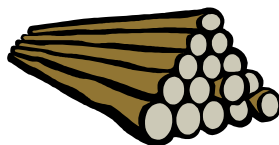
- FOR SALE Hydraulic Sawmill Carriages, Mudata networks, tower dogs, cant turndowns, many unique features. Contact: Thomas Meis, Jackson Lumber Harvester Co. Inc, 830 N State Road 37, Mondovi, WI 54755. Phone: (715) 926-3816. Fax: (715) 926-4545. E-mail: info@jacksonlbrharvester.com. Web: <http://www.forestindustry.com/jackson>.
- FOR SALE (1) '98 JD 640G cable w\new 23.1 tires; (2) '97 JD 648G dual arch grapple w\AC & new tires; (3) '97 JD 548G w\AC; (4) '95 JD 548G; (5) '93 JD 648E w\AC; (6) '90 JD 640D Cable & Grapple; (7) '97 Prentice 210E w\JS & aux. Hydr.; (8) '97 Prentice 410E w\JS & aux. hydr.; (9) '95 Prentice 210D Mounted on Self-Propelled Carrier; (10) '94 Barko 160B w\JS & ctr delimber; (11) '93 Prentice 210D w\aux. hydr.; (12) '90 Prentice 210c; (13) '88 Prentice 210B; (14) '95 JD 643D w/22" Koerhing saw head; (15) '95 Hydo Ax 611E w\saw head; (16) '95 Hydro Ax 411B w\6" shear; (17) '93 Belt w\30" Bar; (18) '93 JD 644E w\AC, forks, clamp & bucket; (19) '86 Kawasaki KS70 w\3 yard bucket; (20) '75 Case W14; (21) '94 JD 650G w\6-way blade; (22) Planer, finish, Unitronex DSMC 63; (23) Precision 636 debarker w\deck cab & sweep; (24) Evans 4 Saw scragg mill; (25) Morbark modular 4 head block mill; (26) Pipers modular mill w\vertical edger; (27) Helle modular 4 head block mill; (28) Hurdle portable mill; (29) Meadows portable mill; (30) Morbark 48" chip pac; (31) Miner 4" edger; (32) Tyrone Berry 240 feed works; (33) Morbark PS 24 pole peeler; (34) CAT 400 KW Gen Set; (35) Grapple JD 86" w\cylinders & boom '94 model. Contact: Tony Weber, Weber Forest Machinery, 303 Seward Road, Brentwood, TN 37027. Phone: (615) 373-8809.
- FOR SALE Carbide saw tips & blanks, carbide & steel saw blades, circular & band, pneumatic nail guns, super abrasive wheels, H.S.S. knives & saw sharpening machinery. Misc. supplies for manufacturing & sharpening saws and tools. Contact: ICE (International Carbide & Engineering, Inc.), P.O. Box 216, Drakes Branch, VA 23937-0216. Phone: (800) 424-3311. Fax: (434) 568-3421. E-mail: ice-va@ice-va.com. Website: www.ice-va.com
- FOR SALE (1) Armstrong #17-60 automatic circular saw sharpener, adjusted once, automatically sharpen 13 to 60" rip saws and cut-off saws including trim saws, two 3/4 hp motors and starting switches for 220v, 3 phase, 60 cycle, good condition - \$2,200 or b\o; (2) Hanchett #948 automatic circular saw sharpener, once adjusted, sharpens 8 to 48" ripsaws and cut-off saws, 3 cam shift arrangement w\edger saw attachment for use w\o removing saw collars, two motors 3/4 and 1/2 hp, for 200/440v, 3 phase, 60 cycle, needs some cleaning - \$800 or b\o; (3) Hanchett #136 circular saw sharpener, hand operated, sharpens 6 to 36" diameter rip and cross-cut saws, 1/2 hp motor for 220/440v, 3 phase, 60 cycle, needs some cleaning - \$400 or b\o; (5) Hanchette Round Anvil, 25" diameter x 5" thick, harden face, includes stand if desired - \$500. Contact: Tom Milton, University of MN, Dept. of Wood & Paper Science, 2004 Folwell Ave, St Paul, MN 55108. Phone: (612) 624-5307. Fax: (612) 625-6286.
- FOR SALE Cable Skidders: (1) 1979 540B JD, overhauled eng, good tires, \$18,000; (2) C4 TF, \$8,500; (3) C4 TF, P.O.R.; (4) Grapple Skidders: (5) 1993 518C Cat, new transmission, \$49,000; (6) S-10 Int'l, \$14,000; (7) 1987 666 Clar, floatation tires, new Cummins, \$33,000; (8) 1986 648D JD, dual function \$29,000; (9) 1990 548D JD, \$34,000; Crawlers: (10) 1969 350 JD, \$7,500; (11) 1990 650G, 6-way blade, \$42,000; (12) 1990 D5H LGP, 6-way blade, encl. cab, \$45,000; (13) 1988 D4H LGP, 6-way blade, \$45,000; (14)

1987 D4H LGP, 6-way blade, encl. cab, \$43,000; Knuckleboom Loaders: (15) 1989 160A Barko on tandem truck, joy sticks, 60" Sirro slasher, \$30,000; (16) 1986 1187B Case log loader, \$30,000; (17) 1987 210C, 6-cyl. JD slasher pkg., \$27,000; (18) Prentice 90 on tandem truck, 19' bed, \$9,500; (19) Prentice 90 F90T on 1989 Lufkin trailer, \$15,500; (20) 1987 XL 175 Husky, \$19,000; Delimbers: (21) 1981 743 JD, \$15,000; (22) 1993 Risley Black Magic Lim-mit 2000, \$95,000; Trucks: (23) 1998 Peterbilt, 470 Detroit, 18 sp, \$44,000; (24) 1995 Peterbilt, 400 Cummins, 9 sp, \$23,000; (25) 1978 GMC 2-ton w\hydr hoist, flatbed dump, \$4,500. We have other equipment, new and used parts, and new and used tires and chains. Distributors for Aftermarket parts, Rud chains. Contact: Richard or Cam Hardwig, Northern Timberline Equipment, Inc., 6000 County Rd 8, Littlefork, MN 56653. Phone: (218) 278-6203. Fax: (218) 278-6716.



SERVICE AND MISCELLANEOUS

- SERVICES Custom dry kiln services. Contact: Dave, Arrowhead Wood Products, 1592 Olsonville Rd, Carlton, MN 55718. Phone: (218) 384-3521. Fax: (218) 384-3187.
- SERVICES Bandsaw sharpening. Contact: Leonard Hawkinson, Hawkinson Lumber, 1723 Spence St, Grand Rapids, MN 55744. Phone: (218) 327-2731.
- SERVICES Montgomery hog owners. - G. & G. will recondition your teeth, anvils and rings. We also straighten the main rotor shaft. Contact: G.& G. Repair, E Sparta, OH. Phone: (330) 866-9764. Fax: (330) 866-5225. E-mail: hgg9407@aol.com. Website: <http://www.GGRepair.com>
- SERVICES Jackson scragg mill. Contact: Jackson Lumber Harvester Co., Inc., 830 N State Rd 37, Mondovi, WI 54755. Phone: (715) 926-3816. Fax: (715) 926-4545. E-mail: info@jacksonlbrharvester.com. Web:<http://www.forestindustry.com/jackson>.
- SERVICES Saw Hammering, Welding, troubleshooting, consulting and sawmill alignment. Saw tensioning or trouble-shooting training and seminars available. Contact: Casey Creamer, Seneca Saw Works, 3843 Main St., Burdett, NY 14818. Phone: (607) 546-5887. E-mail: casey@senecasaw.com. Web: www.senecasaw.com.
- SERVICES Hiawatha Sustainable Woods Cooperative (HSWC) is a member owned and operated Cooperative dedicated to harvesting and managing our forests. Contact: Mark Hennig, HSWC, 7601 State Hwy 27, Sparta, WI 54656. Phone: (608) 272-3223. E-mail: [HSWC @ voyager.net](mailto:HSWC@voyager.net). Fax: (608)272-3713.
- AVAILABLE Civil, structure and forestry engineering, logging roads, bridge building design and plant modifications. Registered engineer in MN and WI. Contact: John F. Wilkinson, PE. Consulting Engineer, 604 2nd Ave. N., Sartell, MN 56377. Phone: (320) 253-1019.



DNR Forestry Timber Auctions Sales			
Date	Auction Type	Sales Name	Location
11/27	Regular	Roseau/Marshall/Kittson	Grygla Comm. Center
11/27	Intermediate	Wannaska Area	Grygla Comm. Center
12/03	Regular	Houston/Fillmore	Rushford Fire Hall
12/04	Regular	Lake of Woods/Koochiching	Baudette Area Forestry Office
12/04	Intermediate	Baudette Area	Baudette Area Forestry Office
12/04	Regular	St Louis/Lake/Koochiching	Orr City Hall
12/04	Intermediate	Orr/Tower Areas	Orr City Hall
12/05	Regular	Aitkin/Mill Lacs Areas	Aitkin City Hall
12/05	Intermediate	Aitkin/Hill City Areas	Aitkin City Hall
12/06	Intermediate	Littlefork Area	Littlefork Comm. Bldg
12/06	Regular	Koochiching	Littlefork Comm. Bldg
12/07	Regular	Itasca/St Louis/Koochiching	Ironworld-Chisholm
12/07	Intermediate	Hibbing Area	Ironworld-Chisholm
12/11	Regular	Beltrami/Kooch/Itasca	Blackduck Senior Center
12/11	Intermediate	Blackduck Area	Blackduck Senior Center
12/11	Regular	Goodhue/Wabasha/Winona	Lake City Area Forestry Office
12/12	Regular	Cass/Itasca/Koochiching	Bigfork City Hall
12/12	Intermediate	Deer River/Effie	Bigfork City Hall
12/12	Intermediate	Warroad Area	Warroad City Hall
12/13	Regular	St Louis/Carlton	Cloquet DNR Office
12/13	Intermediate	Cloquet Area	Cloquet DNR Office
01/04	Intermediate	Bemidji Area	Bemidji Area Forestry
01/15	Intermediate	Park Rapids/Detroit Lakes	Hubbard County Courthouse



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