

LOGGERS WORLD

VOLUME 53 NUMBER 3

To Advertise Call: (800) 462-8283

MARCH 2018

TIMBER GOES HIGH-RISE

CROSS-LAMINATED TIMBER IS
CREATING A NICHE INDUSTRY



Photo by FPInnovations courtesy Woodworks

**Cross Laminated
Timber
Building Material**



**REDWOOD REGION LOGGING
CONFERENCE**

REDWOOD EMPIRE FAIRGROUNDS
UKIAH, CALIFORNIA

**Mar.
15-17**



WCLA ANNUAL MEETING
NORTHERN QUEST RESORT AND CASINO
AIRWAY HEIGHTS, WASHINGTON

**Mar.
16-17**

PRST STD
U.S. POSTAGE
PAID
PERMIT NO. 178
SALEM, OR

LOGGERS WORLD LLC
P.O. BOX 1631
CHEHALIS, WA 98532-8425

THE NEW HTH624C 4X4 GO BIG OR GO HOME.



Dominate your workload with the new, hefty HTH624C 4x4. Fly through big timber with four-roller, four-wheel drive performance. Switch to multi-stem processing – whenever you feel like it. Take advantage of powerful delimbing and larger cutting capacities. Make life easier with no-sweat maintenance. Go big with the new HTH624C 4x4 and get all the big advantages that come with it. Day after day.

www.Waratah.com

Kelso, Washington
+1 (360) 636-2950

Newman, Georgia
+1 (770) 692-0380

 **waratah**
BUILT TO WORK

558/558 LL FOREST MACHINE

MORE LOADS PER DAY

WITH SWING TORQUE AND HORSEPOWER TO SPARE

BUILT FOR IT.™

POWERFUL LOGGING SOLUTIONS



**KNUCKLEBOOM
LOADERS**



SKIDDERS



**FOREST
MACHINES**



**WHEEL FELLER
BUNCHERS**



**TRACK
HARVESTERS**



**TRACK FELLER
BUNCHERS**

Our goal is to help you move more loads at a lower cost. The all new 558/558 LL is redefining forestry machine performance, through improved power, efficiency, operator comfort and an optimized work tool system. Key features include:

- Increased engine horsepower and swing torque add power and boost performance under load
- Component layout, back-to-back main hydraulic control valves and engine speed control maximize efficiency
- Cooling capacity increased 33 percent for trouble-free operation
- New premium rear entry cab and side entry cab enhancements improve operator experience

Look to your Cat® dealer for financing and all the machines you need for sustainable harvesting and land management, forestry road construction, hauling and millyard. Total support from one source.

www.cat.com/forestry



www.cashmanequipment.com
Nevada and Eastern Sierra
800-937-2326



www.holtca.com
Central Northern California
800-452-5888



www.ncmachinery.com
Western and Central Washington
800.562.4735 and
Alaska 800.478.7000



www.petersoncat.com
Northern California, Western
Oregon and Southwestern
Washington
800-452-7676



www.westernstatescat.com
Idaho, Western Montana, Eastern
Washington, Eastern Oregon and
Northwest Wyoming
800-852-2287

Finley's Rigging Shack "Classic"



Finley Hays was well known for his ability to tell a good story. His unique perspective was gained by growing up in a logging family, and after starting *Loggers World*, talking to loggers all over the country. Finley went on to his Heavenly Reward in 2008 but we have almost 40 years of his writing and storytelling to enjoy. Finley's Rigging Shack remains one of the most popular features of *Loggers World* and we think that is appropriate for the man that put so much of his life into his vision of a "Loggers Magazine".

Originally Printed in March 1982

HAPPY PEOPLE!

We all know, and usually admire, people who are happy most of the time. There is a good reason to be happy. "The Right to Pursue Happiness", we have that right, it is guaranteed to us by the constitution.

Abraham Lincoln had much to say about many things and is quoted almost as much as the Apostle Paul. Lincoln says, "Most people are about as Happy as they make up their minds to be." On the same subject Paul, the Apostle, says: "Finally, bothers, whatever is true, whatever is noble, whatever is right, whatever is true, whatever is lovely, whatever is admirable----if anything is excellent or praiseworthy----think about such things."

I don't know where it came from but in the pile of rubble on my desk out popped this little gem.

THE WAY TO HAPPINESS

Keep your heart free from hate, your mind free from worry. Expect little----give much.

Fill your mind with the love of Jesus Christ.

Scatter Sunshine-----forget Self.

Think of others. Keep your mind on God.

Do as you would be done by.

Do this every day for a week and you will have started the habit of being happy.

Everyone has something to say about the way to be happy but very few of us can follow the advice to a definite state of happiness most of the time. Happiness is related to happenings. It is hard to be happy when you have an aching tooth. It is easy

to be happy when something great happens. What we want is a system that works most of the time no matter what the happening.

Let us quote some more people.

Maxwell Maltz says, "You can acquire the habit of happiness."

Dr. John A. Schindler describes Happiness as: "A state of mind in which our thinking is pleasant a good share of the time."

"Happiness is good medicine."

"Happy People are never wicked."

"Happy People are healthier, make more money, are successful, have more friends and make other people happier, healthier and more successful."

Happiness is purely internal, produced by thoughts, ideas and attitudes. The thing is not to let outward events or people dictate how you feel or act----we should not let outward things push us around.

Robert Louis Stevenson said, "The habit of being happy enables one to be freed, or largely freed, from the domination of outward conditions."

It is said that Success is the working toward your own personal worthwhile goals. That being happy is the working toward your own personal worthwhile goals, with the strong belief that you can reach those goals.

So after all these smart people have been quoted and we have looked into their ideas and their descriptions we find out



FINLEY HAYS

that they collectively believe that happiness is tied to two things. One is a matter of ATTITUDE. The other is a matter of GOALS.

So we are back to talking about a Positive Mental Attitude, (Thinking about what we want to happen instead of what we are

afraid might happen.)

We are back to talking about Goals because Goals are the strongest source of motivating power we can generate ourselves.

When we combine the two of them we have a strong thing going. We are attacking our Planned Goals with a Positive Mental Attitude that brings us Happiness thru the belief we can accomplish those goals.

Probably being happy has something to do with being busy. There is a connection there. Maybe it is important to be busy at something which is important, something that is important to you, that is in your plan of action. The plan of action that leads toward the fulfillment of your Goals.

As we go on in this life we are constantly being asked to do things and if we get in the habit of saying 'yes' too often and to too many people we wind up in an impossible situation. That situation becomes serious because we cannot do what we promised to do and do it well. We have a faint feeling, sometimes a strong feeling, of being

(Continued on Page 7)
See "Rigging Shack"

IN THIS ISSUE



ON THE FRONT: The 16,000-square foot Albina Yard in Portland is the first use of domestically fabricated CLT for a building-wide structure in the US.

Cross laminated timber product photo by FPIInnovations courtesy Woodworks.

See "On the Rise" starting on Page 6

4. RIGGING SHACK

"Classic" From March 1982 by Finley Hays

6. ON THE RISE

CROSS LAMINATED TIMBER by Brandon Hansen

14. THE LIFE AND TIMES OF A CEDAR TRAMP

by Mike "Hoss" Barker

24. BLAST FROM THE PAST BY QUINN J. MURK FOR LOGGERS WORLD

26. ATTRACTING AND KEEPING THE NEXT GENERATION OF LOGGERS

by Larsen Arndt

28. AS WE SEE IT

29. SUMMARY JUDGEMENT

THE FEDERAL GOVERNMENT SHOULD LIVE BY THE RULES

LOGGERS WORLD

Published by LOGGERS WORLD LLC

Founded in 1964 by Finley Hays

Phone (360) 262-3376



Member and Supporter of the
American Loggers Council Since 1994



PUBLISHERS.....Kevin & Nancy Core
EDITORS EMERITI.....Finley Hays, Mike Crouse
EDITOR/WRITER.....Brandon Hansen
ADVERTISING.....Kevin Core
OFFICE MANAGER.....Nancy Core

POSTMASTER: Send address changes to:

LOGGERS WORLD LLC,
P. O. Box 1631, Chehalis, WA 98532-8425

E-Mail: logworld@aol.com

SUBSCRIPTION RATE (In U.S.A.):
\$25.00 per year; Two years for \$50.00

LOGGERS WORLD LLC cannot and does not assume responsibility for the contents of any advertising in Loggers World. The representations made by advertising is the responsibility of the advertiser and not Loggers World. Loggers World does not knowingly accept advertising that is false or misleading. The limit of Loggers World liability in case of a mistake made in advertising copy by Loggers World will be the charge of the actual space containing the error or less for that particular advertisement.

DOOSAN**Authorized Dealer**

Sales, Parts & Service
Your #1 Established Forestry Equipment Dealer

**Cascade Trader has a
Complete Line of new
Doosan Log Loaders, Excavators
& Wheel Loaders for your
Logging & Construction Needs!**

Cascade TRADER Inc.
EQUIPMENT SALES - LOGGING & CONSTRUCTION



**Ask
About Our
Special Financing:
Up to 60 Months**

All offers
subject to credit approval



TIGERCAT LS855C Levelling LL,
7257 hrs\$289,000



Doosan DX300LL-5 Log Loader,
NEW IN STOCK



CAT 980G, Medford Log Forks.....
.....\$59,500



Doosan DL420-5 Wheel Loader,
NEW IN STOCK

LOG LOADERS

CAT 235C Log Loader, Pierce Boom	\$17,500
CAT 568 Log Loader, 2012	POR
DOOSAN DX225LL Log Loader, low hrs	\$172,500
DOOSAN DX300LL Log Loader	\$109,500
DOOSAN DX300LL-5 Log Loader, low hrs	\$289,000
DOOSAN S300LL Log Loader	\$85,000
HITACHI EX200LC Log Loader	\$29,500
HYUNDAI 320LC-9 Log Loader, clean	\$145,000
HYUNDAI 320LC-9 Log Loader, low hours	\$225,000
JOHN DEERE 200LC Logger, Forestry Cab	\$59,500
JOHN DEERE 2554LL	\$125,000
JOHN DEERE 2954LL Log Loader	POR
JOHN DEERE 3554 Log Loader	\$69,500
KOBELCO SK200LC Log Loader	POR
KOBELCO SK210LC Log Loader	\$64,500
KOBELCO SK220LC Log Loader	\$35,000
KOBELCO SK260LC Log Loader, For Cab	\$125,000
KOBELCO SK290LC Log Loader	\$35,000
KOBELCO 295LL (2009) Log Loader	\$165,000
KOMATSU PC300HD Log Loader	\$37,500
LINKBELT 290LX Log Loader	POR
PRENTICE 610 Log Loader, KW Truck Mt	\$29,500
THUNDERBIRD 1238 Log Loader	\$39,500
TIGERCAT LS855C Levelling LL, 7257 hrs	\$289,000
TIGERCAT 880LL Log Ldr, Sgl bar grousers	POR

FELLER BUNCHERS, PROCESSORS

CAT 330BLL Log Loader/KETO 800	\$39,500
DOOSAN DX225LL/Waratah HTH622B	\$134,500
HAHN Harvester, HTH300, 3-Axle SP	\$19,500
JOHNDEERE 2054/Waratah HTH622B	\$119,500
JOHNDEERE 3554LL/Waratah HTH624C	\$149,500
JOHNDEERE 792D/Pierce 3345 Stroker	\$59,500
KOBELCO SK290LCCL, Rear entry, Keto 800	\$125,000
KOMATSU PC128/LogMax sm. Wood Harvester	\$39,500
KOMATSU PC220LC/Pierce 3348 Stroker	\$119,500
KOMATSU 450XTFB/Quadco 24" 360	\$275,000
MADILL 2800/Denharco DM3500	POR
THUNDERBIRD 1236/Denharco DM3500	POR
TIGERCAT L870C/5702- 360 rotate	\$110,000
TIMBERJACK 2628, Bar Saw	\$29,500
TIMBERJACK 608L, Koehring 20" Disc Saw	\$45,000
WARATAH HTH-623C, NEW Inventory	POR

TOWERS & YARDERS

CHRISTY Yarder, Truck mount	\$49,500
HITACHI EX200/Dual Drum "Escaliner" Yarder	POR
KOBELCO SK300LL "Yoder", Dual Pullmasters	\$129,500

KOLLER K501 Yarder, Trlr Mnt, reduced	\$44,500
MADILL 071, 3-Guys, 8V71GM, recent work	\$85,000
MADILL 071, 4-Guys, 8V71, w/Rigging	\$107,500
MADILL 071, 4-Guys, 8V71T, fresh paint, nice	\$135,000
PSY-200, Self-Propelled, nice yarder	\$199,500
SKAGIT BU-80C, T-90 Trailer Mount	\$32,500
SKAGIT GT3 Swing Yarder, Track Mnt	\$89,500
THUNDERBIRD 6140 Swing Yarder, nice	POR
WASHINGTON 78-40 Swing Yarder	\$42,500
WASHINGTON 127W, T90, Trailer Mnt	\$29,500
WASHINGTON 137W Slackline, T90, reduced	\$139,500
WASHINGTON TL6 Trakloader, SP, 50' Boom	\$35,000

**EXCAVATORS/DOZERS/GRADERS
WHEEL LOADERS/SKIDDER**

CASE CX160B, Pin Grabber, Thumb, Buckets	\$59,500
CAT 14E Grader	\$14,500
CAT EL240B Excavator	\$19,500
CAT 980G, Medford Log Forks	\$59,500
DOOSAN DX140LC Excavator	\$49,500
DOOSAN DX180LC Excavator	POR
DOOSAN DL400 Wheel Loader	POR
FIAT-ALLIS 8, Winch/Arch, recent work	\$19,500
GARRETT 25 Skidder, Cummins	\$12,500
JOHN DEERE 160D Excavator, Bkt, Thumb	\$84,500
JOHN DEERE 200D Excavator	\$45,000
JOHN DEERE 2454" Rd Bldr", Excav, low hrs	\$250,000
KOMATSU WA500-7, GP Bucket	POR
LINKBELT 3900Q Excavator, Bucket/Thumb	\$27,500
MADILL RB500 (180 size) Excav, guards	\$45,000
MOUNTAIN Logger ML150, GM, Clark Winch	\$16,500
MOUNTAIN Logger ML150, Cummins	\$12,000
TIMBERJACK 404 Skidder	\$8,950

CARRIAGES & MISC

ACME 15 Slackpulling Carriage, recent work	\$24,500
BOWMAN Mark V, recent work	\$35,000
CEC Portable Jaw Crusher, Trailer Mnt	\$85,000
CTR 314SCD Pull Thru Delimber	\$15,500
DANZCO PT20 Pull Thru Delimber	\$10,500
DIAMOND Z 1460 Tub Grinder, 2010	\$289,500
GENERAL 60T Lowboy '08, 9' wide, 24' deck	POR
LOAD KING 60T Lowboy, 9' wide, 24' deck	\$49,500
MORBARK 30RXL Chiparvestor. Cat 3412	\$110,000
PETERSON 5900EL Disc Chipr, 765HP, low hr	\$265,000
TRAILMAX Tilt Trailer, 3-axle, 27T	\$19,500
TURKEY RACK	\$6,950

TRUCKS

KW Log Trucks, details on request	POR
---	-----



**DOOSAN Log Loaders
LOTS OF INVENTORY!**



**Doosan DX225LL-5 "Road
Builder"**P.O.R.



**WASHINGTON 137W Slackline
Yarder, excellent!**\$139,500



**DX300LC-5 Excavator
NEW INVENTORY**



**DOOSAN DX85R Excavator
New Inventory**



**KOMATSU WA500-7, GP Bucket
POR**

KETO • WARATAH • SOUTHSTAR • EAGLE CARRIAGE

Rich Lennox (360) 508-0192
John Welch (360) 520-2082
Shannon Pesicka (360) 507-0542

Mike Duch (360) 880-6955
Jim Wark (360) 623-5219
Cooper Brunoff (360) 880-7534

John Griffin (425) 210-9702
Tony Foglio (360) 520-7084

Bill Pantier • Doosan Parts: (360) 508-6294 Cell
Traci Brunoff • Sales Coordinator: (360) 880-7531

www.cascadetrader.net



Find us on
Facebook

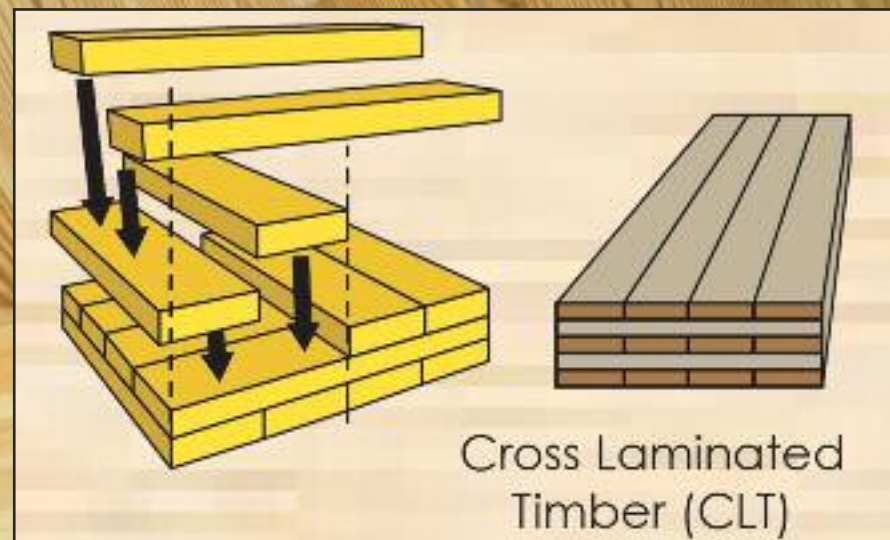
(360) 748-1182

fax (360) 748-1198 •
Located at Exit 79 off I-5
1380 NW State Ave., Chehalis, WA 98532

WHAT IS CROSS-LAMINATED TIMBER?

A BIG THANK YOU TO

Lech Muszynski
Oregon State University
Wood Science
and Engineering



Cross Laminated Timber is a strong, load-bearing product that is made from glueing layers of solid-sawn lumber together. Each layer of board is perpendicular to one another and typically range from three to nine layers. Panels are able to achieve strength in both directions. CLT comes in prefabricated modules and panels, meaning that on-site construction crews can make a building quicker, with lighter equipment and with smaller numbers of employees. Developed in the early 1990s in Germany and Austria, CLT is fire resistant and be exposed to flame for two hours before losing structural performance requirements. Due to strength too, wood buildings can go higher than normal wood-frame buildings.



Chain Saw Cut Protection

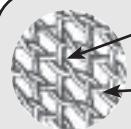


#850KP chaps are flexible, lightweight, and have six-plys of Polyester/Kevlar cut protection. They meet UL and the '95 OSHA standard for leg protection. They also meet ASTM F1897 and are rated American Standards Class "A."

\$ **66⁹⁵**

Short \$63.95 • Long \$73.95
XLong \$75.95 • XXLong \$84.95

Note: Labonville cut protective garments are not represented as shields against damage, but as an aid to help prevent damage in extreme cases.



Kevlar® strands are spaced 3/4" apart on the weave length only. Polyester strands hold the tough Kevlar® strands in place.

MADSEN'S
SHOP & SUPPLY INC.
Centralia, Washington

☎ 360-736-1336
Information Calls
☎ 800-822-2808
Direct Order Line
www.madsens1.com



Need Financing? We Can Help!

We Finance Loaders, Trucks, Skidders, Trailers, etc.

- Working capital available
- Start-up program for under 2 years available
- 1st payment only
- 3,4,5 year financing
- 150K application only
- Finance any equipment or attachment...no age requirement
- Personal one on one financing process
- 27 years' experience in the financing industry

Isn't it time you made an investment in your machinery?

Call Doug Powell Today!

888-223-2600 • dee@fullcircellc.us

After hours cell: 509-393-5111

11 Spokane Street - Suite 306, Wenatchee, WA 98801 • www.fullcircellc.us



CC HEAVY EQUIPMENT



2006 Kobelco 210 Log Loader, 17,800 hrs., Forestry Cab, Jewell Boom and Grapple, New UC, All New lexan windows, New sound system in cab, New front and rear LED lights, Very Clean!
.....NEW PRICE! \$69,000



2004 Kobelco SK330LC Shovel Logger Extreme, Jewell Grapple, 12,346 Hrs., Mitsubishi Engine, U/C 70%+, Tight Boom & Rotex, Excellent Condition!\$119,000



1997 CAT 322 CL Processor Machine, 19,000 Hrs., Log Max 7000 Head. Hyd Pump has 5,000 Hrs., SureGrip Controls, New Injectors and Lines Recently, \$6,000 Just Invested Into New Logmax Computer and Measuring Sensors. Ready To Work!NEW PRICE! \$85,000



2006 Madill T2250B Feller Buncher With a Madill 360 Degree Hotsaw, 11,800 Hrs., New U/C, New Crate Cummins Engine With 600 Hrs., Recently Went Through Shop. Excellent Maintenance!.....\$185,000



1995 John Deere 792 Log Loader, 52" Young Grapple, 22,770 Hrs., Out of Frame OH Engine With 1,500 Hrs., Recent U/C 80%+, Excellent Condition, Watch it Work! ...
.....\$55,000



2012 John Deere 2154D Log Loader, Recent U/C, 9,800 Hrs., NEW PRICE!
\$129,000



2012 Kobelco 295 Shovel Logger, Summit Package, Yoder, 4,800 Hrs., New Tong Tosser, Radios, Lines. Carriage Available at Extra Cost .NEW PRICE!..\$350,000



1995 Kobelco SK 50UR Mini Excavator, 2,540 Hrs., Comes With Thumb & 3 Buckets- 42" Clean Up, 24" Dig, & 12" Dig, Boom Has Side Shift. Will Need Diverter Valve Added to Utilize Both Thumb & Side Shift, Computer Replaced 348 Hrs. Ago, Good U/C 70%+, Ready To Go!.....
.....\$21,000



Danzco PT20 Delimber, Used very little. Very straight, Job Ready\$12,000



2012 Kobelco SK350 Log Loader, Jewell 63" Grapple, U/C 70%+, 5,400 Hrs., Nice Machine! NEW PRICE!!!
.....\$215,000



2012 Kobelco SK 260-8 Log Loader, 9,400 Hrs., Pierce Boom and Grapple, Recent U/C and New Seat.....
.....NEW PRICE! ..\$110,000



2005 CAT 517 Swinger, 9,300 Hrs., Good U/C, New Snubber, Trans and Torque, Recently Tested by CAT, Runs Great!.....
.....NEW PRICE! \$158,000



TAJFUN

WE SELL TAJFUN (TYPHOON) FIREWOOD PROCESSORS



2011 John Deere 959K Feller Buncher, 9,182 Hrs., JD/FR24B Head, Cab W/AC, Wide Pads, U/C 40-50%+.....
.....\$105,000



2006 Tigercat 630C Skidder, 11,274 Hrs., New Hydrostatic Drives, Rebuilt Grapple, Snubber, Brakes, Rebuilt Arch and Boom Cylinders..\$85,000



Shop Built Turkey Rack Logging Trailer, 8' Bunks, 34' Long\$6,500



2012 John Deere 2454D with Waratah 622B Processor, 9,900 Hrs., U/C 75%+, Currently Working...\$189,000



1984 Cat 518 95U Long Frame Skidder, Lufkin Winch & Single Function Grapple, Good Rubber 23.1 x 26, Machine is Dry and Mechanically Sound, Tight Center, Tight Boom, Good Brakes, Many Recent Repairs, Good Strong Engine and Trans.....\$29,000



2017 Tajfun Firewood Processor, 3 Power Options-Tractor PTO, Skidsteer Hydraulic, Koller Gas Engine, Mobile Platform, Call for Catalog Starting at \$35,000

2014 Doosan 300 Log Loader Equipped With South Star 600 Processor Head. Machine has 6,900 Hrs.

Head only has 3,500 Hrs. on it
NEW PRICE \$327,500



1992 Kenworth T800 Log Truck / 1984 Peerless Log Trailer. Rebuilt N14 60k ago, 15 Speed, New Turbo, Rebuilt Injector Pump, New Radiator, New Clutch, New Rear Seal, SI Scales. 70%+ Rubber on Steers & Drives. Frame Has 1,048,000 miles.....NEW PRICE!..\$29,000



CCHEAVYEQUIPMENT.COM

Dallas/Salem Rickreall, OR

Carl Cornthwaite • 503-507-7230 • carl@ccheavyequipment.com
Lincoln Cornthwaite • 971-901-1333 • lincoln@ccheavyequipment.com



Rigging Shack

(Continued from Page 4)

inadequate because we can't accomplish what we have planned to do. We are constantly making excuses. The situation hardly ever improves and we become nervous and suffer internal disorders. We become unhappy.

Goals with a good realistic plan of action keeps one from getting into those kinds of situations. What Goals and Plans do is to give you a track to run on, a track from where you are now to where you want to be. You can then measure every request and every whim against, 'does this fit in with my goals and my action plan?' If it does, do it. If it doesn't, don't do it. It helps you measure and make up your mind and do the job you have set for yourself.

Some years ago we bought a home that had a garage. Pretty soon we couldn't get the car into the garage because the garage was full of other stuff.

Finally Jean and I got tired of that situation. We parked the car on the street and we hauled every single

(Continued on Page 33)
See "Rigging Shack"

PACIFIC FIBRE PRODUCTS
WANTED
Alder, Maple, Douglas Fir, Cedar
Hemlock, Cottonwood
PULP LOGS
Land & Timber or Timber Only
Paul Hadaller • 360-431-9661
Rob Vance • 360-355-2817
P.O. Box 278, 20 Fibre Way, Longview, WA.
Office: 360-577-7112
WE ARE NOW PURCHASING
LOGS IN MOLALLA, OREGON!

Oliver-Hammer
Clothes Shop

Clothing the
Working Man for
97 Years

Wesco Caulk Boots, Redwing,
Carolina, Carhartt, North Star
Gloves, Hickory Shirts,
Logger "Riggin" Jeans and a
Whole Lot More

(360) 855-0395
821 Metcalf,
Sedro Woolley, WA 98284

ON THE RISE

HOW
TIMBER
IS
REVOLUTIONIZING
CONSTRUCTION
METHODS

Photos by Kevin Core
Stories by Brandon Hansen
For Loggers World

When it comes to building construction, timber is going big.

With the advent of cross-laminated timber (CLT) technology, architects are now turning to the new construction

method. It's more environmentally friendly, can go higher than traditional wooden frame buildings.

You may have heard this designation before, and some loggers will laugh as they've been around timber for ages, but it's becoming known as "the material of the future" by some architects.

And while the timber industry might not see a gigantic boost considering the wide spread diverse uses of lumber, it still can't hurt loggers to see a new form on construction using timber.

It's not untested, either. CLT has

(Continued on Page 9)
See "CLT"



GEM
Chain Bar
MAXIMIZE YOUR RUNTIME

GEM Harvester Bars

- Ballistic Grade Steel
- Strongest Steel in Harvester Industry
- Non-Tempered Rails, Stronger Material
- Uniform Metal Hardness for Entire Bar
- Wide Oil Groove Deep Rail Grooves

Your Advantages:

- High Degree of Springback and Bend Force Resistance
- Significantly Reduces Flexing of Rails Prevents Cracking of Rails
- Consistent Strength Throughout Bar
- Longer Wear Life Maximized Runtime

MADE IN THE USA www.gemchainbar.com
sales@gemchainbar.com 800-455-8471

New! EAGLE RAPTOR



We
Also Have
Eaglets,
Super
Eaglets,
Eagle IV,
Eagle V,
Eagle VI
& Claws
Available

EAGLE CARRIAGE & MACHINE

**ECM CONTROL ON
ALL NEW MODELS!**

(541) 963-4646

Fax: (541) 963-3415

62500 Commerce Rd, La Grande, OR 97850
www.eaglecarriage.com

After Hours - Sam Baker
(541) 805-9504 cell

(Continued from Page 8)

been used in Europe since the 1990s and it was originally conceived when the Austrian government funded an alternative use for timber as the digital age caused people to use less paper.

Credit for CLT is shared between researchers from Zurich Politechnic ETH and Graz, Austria professor of engineering Gerhard Schickhofer.

Cross-laminated timber is a wood panel product made by gluing layers of solid sawn lumber

together. Layers numbering from three to nine are orientated perpendicular to each other, meaning CLT panels are able to be structurally rigid in both direction.

One could compare it to plywood, but with much thicker laminations. Think of it like plywood on steroids, a term coined by architect Michael Green.

According to Oregon State University professor of Wood Science and Engineering Lech Muszynski, CLT can be used as prefabricated walls, floors and roofing elements in residential,

public and commercial structures.

"This is not merely a new engineered composite but an entirely new building technology revolutionizing the use of timber in construction, where the final product is a prefabricated building," he said.

CLT manufacturing and technology has been used in making prefabricated houses and was developed in the last 20 years in alpine Europe. This method has slowly grown and spread around the globe.

"CLT plants now operate in a

number of other European countries as well as in Canada, the US, Australia, New Zealand and Japan," Muszynski said.

The manufacturing of CLT products resembles that of glulam production (glued laminated timber) with the main difference being that lumber dried and planed with tight tolerances is then laid up into layers arranged perpendicular to each other and bound together with large area presses in a way that

(Continued on Page 11)
See "CLT"



2014 JOHN DEERE 748H SKIDDER, dual-function boom, grapple, winch, direct drive, good 30.5 tires, tight center, runs well, 6,990 hours.....\$139,500



2013 JOHN DEERE 648H SKIDDER, dual-function boom, grapple, winch, direct drive, 2 NEW tires, 2 very good tires, cab, AC, good machine, 7,600 hrs.....\$119,500



1998 CAT 3512, 1,250kw, 60 htz, 480 volt, 3-phase, insulated muffler, approx 1,500 gallon fuel capacity (2 tanks), mounted in Fruehauf 48' dry van.....\$32,500



1990 CAT 980C, Medford forks, 29.5 x 25 tires, 3406 engine, this machine was a trade, good for age, Located in McKinleyville, California, call Mark @ 707-499-6263.....\$31,500



2012 CAT 430E, 4WD, 4nl, extendahoe, QC bucket, good tires, 3,237 hours.....CALL

SHOP-BUILT BRUSH RAKE, removed from CAT 518, approx. 110" wide, (9) 12" shanks, low hour unit.....\$2,000

CRISP LOG FORKS/GRAPPLE, fits CAT 950B/E/F, good for age.....\$2,500

WHEELS FOR JD 648H SKIDDER, 14-hole, 9 1/2" center.....2 @ \$650 each

MPI EQUIPMENT

INCORPORATED

Call Chuck
530-221-6760

8537 Commercial Way, Redding, CA 96002

chuck@mplequipment.com

www.mplequipment.com



1996 PETERSON 4400B GRINDER, CAT 3412 @ 800 hp, 3 axles, all new tires, twin-disc clutch, dual horizontal rams for feed, heavy rotor, good last clean older unit, approx 87,000 lbs. w/o tractor.....\$89,500



2005 ZEHR HG4000 GRINDER, early Diamond Z, 2009 CAT C27, Tier II, 1,050 hp, remote, stacking conveyor, 8 NEW tires, good brakes, twin-disc clutch, hammer-mill approx. 62" x 17".....\$129,500



MORBARK 20 CHIPPER, new CAT C13 with 3,684 hours, 385 hp, Tier III, new tires, good brakes, lights.....\$69,500



2002 PRECISION HUSKY 66-23 CHIPPER, Husky XL-175 loader, CAT 3412, 700/750 hp, Tier I, joy sticks, twin-disc clutch, feed table w/feed chain, cab, 12 NEW tires, good brakes, fresh oil, new paint, recent injectors, one owner, was working daily, 11,141 hours.....\$99,500

NEW HEEL RACK FOR CAT 330FM OR 568 FM, unused, some pins.....\$7,500



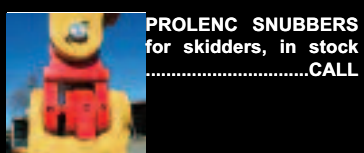
1995 COZAD BABY 9-AXLE 2+2+2 LOWBED, 9' wide x 26' deck, drop sides, power tower in jeep w/20 hp Honda, 4 pin settings. Following items are NEW: all wheel studs, all 11R22.5 tires, all drums, all brakes, all bearings, all slacks, all S-cams, all lights, all wiring, all air lines, all air valves, all apitong deck, all oil caps, all seals, all air bags, all paint and more.....\$135,000



2010 PETERSON PACIFIC 5900EL CHIPPER, low hours, CAT power @ 765 hp, C18, remote, 4-pocket disc, P.T. Tech hyd clutch, 3/4" chip size, end load spout, 300 gal. water tank w/pump for fire suppression, IQAN screen, 2,400 hours, very good unit, consigned, west coast location.....\$225,000



Second Member, For 330-Size and Up Carriers, 1,600 Hours.....\$50,000



PROLENC SNUBBERS for skidders, in stock.....CALL



WASHINGTON 188 YARDER, Detroit 8V92T power, 4-axle carrier, standing skyline. This is a good, clean unit that was working as of 06/10/16. Consigned, call for location.....\$250,000

EAGLET CARRIAGE, w/controls available.....\$18,000



1996 CHRISTY 3DTK, 6-cyl Cummins, 2000' 3/4" swedge skyline, apprx. 2000' 5/8" swedge mainline, haywire, guy lines, NO carriage, 75MHz radio system, approx. 6,500 original hours, mounted on Freightliner w/Cummins power, heavy 2-speed rear ends, biscuit suspension, good clean unit. Yarded logs until October 15, 2015. Owner is downsizing, consigned, call for location.....\$75,000



1997 KENWORTH T300 SERVICE TRUCK Cummins, PAC brake, 10 spd, 221,049 miles, 225/70R/22 tires, Maintainer body, 6,000 lb. crane, gas compressor, was working daily.....\$30,000



2010 T800 Kenworth Cummins 365HP, CARB compliant, 10spd, air ride, alloy wheels, 2018 randco tank, 2200 gal, 5 sprays, hose reel, hyd fill, 468,000 miles, still in Washington, arrive in California soon!.....CALL



2013 LINK-BELT 300 X3, Esco hydraulic QC, Esco link hydraulic thumb, good undercarriage, Isuzu engine, AC, radio, nice unit!, 2,619 hours.....\$145,000



2013 LINK-BELT 145 X3 Spin Ace, Esco bucket, Isuzu engine, pattern changer, cab, AC, good clean unit.....\$83,500



2012 VOLVO EC35C, rubber tracks, blade, off-set boom, runs will 1,215 hours, new Amulet hyd thumb.....\$26,500



2006 KAWASAKI 85Z V-2, approx. 4.8 yard smooth-edge bucket, good 26.5 radials, Cummins, good clean unit, 7,713 hours.....\$85,000



2015 CAT DK2 XL 6-way dozer, rear ripper, open ROPS, wired, fair undercarriage, 2,087, just off job.....CALL



2012 JD 210G LC, 48" bucket, hydraulic QC, hydraulic thumb, 9'7" stick, 32" shoes, pattern changer, just arrived.....CALL

ALBINA YARD

Albina Yard in Portland is the first use of domestically fabricated CLT for a building-wide structure in the United States.



**SEE
PAST ISSUES**

**LOOK AT
ADVERTISING
INFORMATION!**

**CHECK OUT OUR
YOUTUBE VIDEOS**

**WWW.
LOGGERS
WORLD
.com**

TRIAD
MACHINERY

Portland	Eugene	Prineville	Seattle	Spokane	Mt. Vernon
800.221.8512	800.342.6780	888.662.2940	800.622.8876	800.945.9168	360.488.3948

MOVE WOOD

**LOG-CHAMP
YARDER**

T-MAR
INDUSTRIES LTD.

MAKING OUR CUSTOMERS MORE COMPETITIVE

(Continued from Page 9)

the whole panel is acting as a single load-bearing element for a wall, roof or floor.

CLT panels can be up to 12-feet wide and 65-feet long and up to 10 metric tons in weight. The final stage of the process is computerized CNC robotic machining into large scale frames.

"The industry is remarkably diverse in terms of mode of operation, scale of production, and

the level of automation, to the point that even specific manufacturing steps, the sequence of operations applied in this process vary widely across the industry," Muszynski said. "The range in size of facilities by annual output volume is enormous. The largest produce about 20 times as much as the smallest."

Other parts of the CLT industry see products bonded together with aluminum nails, hardwood dowels or interlocked

with multiple dove-tail style joints.

In construction, CLT panels need no underlying beam and post superstructure and can be used on their own. Since the panels are prefabricated, they can be assembled quickly on the construction site.

Despite them being wood, massive CLT timber panels are fire safe as they burn at a slow and predictable rate and the unburned section is insulated from the flames and retains struc-

tural integrity for a long time.

Five layer CLT floors can withstand fire exposure for two hours. This gives them enough resilience to be used in tall buildings. CLT buildings are also very resilient in a serious seismic event.

CLT is revolutionary in the construction industry with its use of timber, along with its flexibility and ease. When an ar-

(Continued on Page 12)
See "CLT"



CHECK US OUT ONLINE! **LOGGERSWORLD.COM**

Where you can buy a subscription, place a Show and Sell ad, send us a message, and much more!

WRECKING LOGGING EQUIPMENT

EXCAVATORS • CRAWLER TRACTORS • ROCK TRUCKS • LOADERS • GRADERS

Parting Out



2004 Cat TK732

Parting Out



2005 Link-Belt 370LX

Parting Out



2006 Cat 950G II

Parting Out



2013 Deere 225DLC

Parting Out



2003 Cat 325CLL

Parting Out



1996 Hitachi EX400LC3

Parting Out



2005 Cat 322CLL

Parting Out



2004 Deere 953G

Parting Out



2007 Hitachi ZX350LC3

Parting Out



2004 Deere 200CLC

FRALEY TRACTOR, Inc. WRECKING DIV.

(509) 884-7117 • FAX (509) 884-3959 • fti2@nwi.net • 1850 GRANT RD., E. WENATCHEE, WA 98802

CAT EXCAVATORS

314C; 315BL; 320LL; 320BL; 320C;
322CL; 320DL; 325L; 330BL;
345BL; 345CL; 350L

CAT TRUCKS

D25D; D250E; D300E; D400D

CAT SKIDDERS

D5H; D4H; 525; 527; 525C

CAT SCRAPERS

615, 621E

CASE

821; 9030B; 9040B; 9050; 9050B;
9060B

GROVE

RT745

LINK-BELT

210LX; 240LX; 290LX; 350LX;
370LX; 5800 CII-Q; 6000Q

KOBELCO

ED150; SK290LC6; SK200LC IV;
SK400LC IV; SK330

JOHN DEERE

120C; 160DLC; 200DLC; 230LC;
2554; 310SE; 330CLC; 350DLC;
450DLC; 550H; 544J; 544G;
600CLC; 624G; 644H; 644G; 648GII;
710D; 750B-C; 744H; 753GL;
772BH; 844J; 850J; 992D-ELC

SAMSUNG

SE 350LC2

TIMBCO

T425B-C-D; T445B-C-D; T445EXL;
475D; 475EXL

TIMBERKING

TK722; TK732; TK1162

KOMATSU

PC120-6; PC130-6; PC138US-2;
PC220LC7; PC160LC-7; PC200LC-6;
PC220-6E; PC228USLC-3;
D155AX5; D355A; WA200-1;
WA180-1; WA400-1; WA320-1;
WA180-3; WA250-3; WA500-1-3-6

TIMBERJACK

608; 628; 1210B; 2628; 1270B

HITACHI

ZX27U; ZX120; EX150; EX160;
ZX200LL; EX200-5; EX200LC3;
EX220-3; ZX270LC3; ZX330
ZX350LC; EX330LC5; EX400LC3;
ZX450LC; EX550LC5; EX700;
EX750-5; ZX850LC3

VALMET

EX10; 500T; 860; 892

VOLVO

A25C 6x6 Rock Truck; L330C;
L120E; L180C; L220E

WE BUY HEAVY EQUIPMENT FOR PARTS AND RESALE...CALL US!

Visit us on the web at: www.fraleytractorinc.com





WIDE USE

CLT panels can be used for floors, walls and roofs.

CLT

(Continued from Page 11)

chitect begins designing a building, CLT companies will assist with the process so they can custom fabricate panels optimized for the specific building along with assisting in construction.

Sophisticated robots will cut out windows, door openings and enable fancy con-

nections at any angle desired. Since its timber, high strength to weight ratios means CLT buildings seem to defy gravity.

Integrated units arrive at the building site just for final assembly, so there is no fabrication on site. No waste or noise. Since the panels, modules and assemblies are put together as they arrive on site, there is no need for large-on site storage.

"Smaller construction footprint means substantial saving, particularly in busy ur-

ban areas, where the tall CLT buildings would generally be built," Lech said.

The materials are light meaning smaller crews and light equipment can be used for construction. Speed of a project to build is also much shorter than conventional methods.

In London, a team of four carpenters was able to construct a nine-story block in just

(Continued on Page 20)
See "CLT"

BUY ONLINE

www.tirechainsrequired.com

You'll find the best selection of tire chains for all applications, small and large, at your fingertips!



Get a free TCR or GB hat when you enter code "FREEHATLW" at checkout!

For high quality hot saw teeth, harvester and slasher bars, harvester saw chain and accessories delivered straight to your door, shop

www.harvesterbars.com

FREE FREIGHT ON ORDERS OVER \$500!
(harvesterbars.com only)

Ballantine
CARLTON GB

MONTANA TRACK CLAWS, Incorporated

NEW PRE-SEASON INVENTORY
Get Them While They Last!



Hundreds of Satisfied Customers Coast to Coast

Track Claws are reusable, quick connect traction devices that require no welding or cutting.

Their unique "V" design provides penetrating traction while minimizing side slippage for improved safety.

Track Claws can be installed in minutes using only a ratchet and socket. No pad bolts are used in the installation - they bolt through the clean out hole using a special bottom plate (included) and a zinc plated grade 8 bolt.

Durable and reusable, **Track Claws** are made of higher grade material than track pads. Then they are heat treated creating a durable product that can be reused many times.

Track Claws are available for all popular styles of track pads including single, double and triple grouser bar styles. For pads without cleanout holes, a template will be provided.

New Style Available that fits Multiple Machines!

Call or email for details



Phone Calls between Noon and 9pm Mountain Standard Time please

Montana Track Claws, Inc. 888-293-2529

1250 Big Bend Rd., Libby MT 59923

fax: 406-293-2267

Website: www.montanatrackclaws.com • Email: mail@montanatrackclaws.com

ACME
Manufacturing, Inc.
(541) 741-2200



All Equipment Located In Eugene, OR



Thunderbird TSY-6255 SLR

Cat 3406, Lohmann Finals, Excellent Shape, No Lines.



Thunderbird TTY-6170

Cat 3406, Lohmann Finals, Single Lever Controls, No Lines.



West Coast Yarder

Recent 671T Engine, Lots of Recent Drum Work, Lots of Riggering.



Thunderbird TMY 70

5-Guylines, Cummins 855, Newer Lines, New Rubber.



Thunderbird TTY 70

Recent 8V92, Low Hours, Excellent Condition



Thunderbird TMY 70

8V92, Rebuilt Transmission, New Telescoping Cylinder, New Rubber, New Paint.



Komatsu 300

Waratah 624 Head, New Engine, New Undercarriage.



**WPT Water Cooled Brakes
BRAND NEW & IN STOCK!**

- Direct Eaton Replacement
- Wichita Upgrade
- 218 Brake - \$11,948.85
- 224 Brake - \$19,003.00

PARTING OUT

- Berger C-19
- Berger M2
- Edco Mustang
- Edco Wildcat
- John Deere 690
- Koehring 6644
- Komatsu 300
- Link-Belt 3400
- Madill 071
- Madill 046 (x2)
- Skagit 739 Drum Set
- Skagit BU98
- Terex 8240
- Thunderbird TMY 45
- Timberline Delimber
- Good KTA Engine

USED CARRIAGES

- ACME Model 10
- ACME Model 210
- ACME Model 19
- ACME Model 24
- ACME Model S28
- ACME Model S28S

**SEE US AT THE OREGON LOGGING
CONFERENCE FEB 22-24**

Call Today For More Information

(541) 741-2200

After Hours: (541) 554-9414

90099 Prairie Road - Eugene, OR 97402

www.acmecarriages.com



Follow Us On Facebook

SALVAGING CEDAR IN THE FORESTS OF THE PACIFIC NW



SALVAGE GOLD

Out in the brush, dead or down cedars are searched for and then cut up into shake or shingle bolts. In this case, they are producing shake bolts. Being two feet long, they are stacked up on a heavy duty $\frac{3}{4}$ inch rope sling. This view, taken in 1979 or 1980, shows Clarence St. John hooking a turn up to the helicopter hook sitting on the pile of bolts. Quinn Murk, a contract cutter for Z. and S.J. Cedar Salvage is watching him. Other slung wood can be spotted stacked around in the photo.



Now the turn is being lifted. Stacking a turn was a learning experience. You wanted the eye to be somewhat off-center so when lifted the bite of the line would pull it tight to the pile, tightening it. The strap across Clarence's back is a harness to carry a radio for communication with the helicopter pilot. The best pilots for this type of work were ex-jungle pilots from the Vietnam War.

MONEY GROWS ON TREES!

If you think you might still need money when you are 80, then trees planted in your 40's will be there for you.

TIMBER VALUE GROWS IN AT LEAST 3 WAYS-

1. Trees add board foot volume every year.
2. Log grade improves as the trees grow.
3. Log prices keep pace with inflation, giving you a built in "hedge"



RE/MAX

Key Land Company

Terry Akins
Agent

1015 Johnson Rd
Centralia, WA 98531
Office: 360-330-0804
Cell: 360-239-1253
Email: tbakins@msn.com

Each Office Independently Owned and Operated

We can take care of your investment from Purchase Through Management and Sale

800-439-9073 White Mountain Chain 208-267-6215

Bonnors Ferry, Idaho • www.whitemountainchain.com

TRYGG

Heavy Duty

9.5mm - 3/8", 11mm - 7/16", 13mm - 1/2"

Heavy Duty. Grip for all conditions. "H" sections are easily removed for adjustment and replacement in the field. Consider SMT for superior fit and ride.

SMT Flexi

8mm - 5/16" & 9.5mm - 3/8"

Tailored for a perfect fit without the use of tools. SMT Flexi uses steel produced with boron, nickel, chrome and manganese, then fully hardened for maximum durability. Choose 8mm-5/16" or 9.5mm-3/8" to suit your requirements. Hardened 10mm hooks and 8mm side chain are standard on both sizes. Tightening rail is available as an option.

SMT & SMT Combo

A versatile traction chain for snow clearing, forestry and construction. Excellent grip, smooth ride and virtually trouble free performance.

Oversized studs increase grip and last longer!



SMT pattern holds the chain on top of the tire lugs, keeping the studs in constant contact with the terrain SMT Combo fits more than one tire size. Chain tightener is recommended for heavy chains.

13mm-1/2", 16mm-5/8",
9.5mm-3/8", 11mm-7/16" SMT
19mm-3/4" SMT and SMT Combo.

THE LIFE AND TIMES OF A COASTAL CEDAR TRAMP ¹⁵

By Mike "Hoss" Barker

For Loggers World

If my fading memory serves me correct it was in the late Summer of 1978, possibly 1979 When my friend and I were working out of Lebanon, Oregon, near a small community called La-comb. It was for the most part

flat land farming country with intermittent patches of some nice fir and hardwoods here and there with a few rolling hills near the foot of the Cascades, that for some reason or another hadn't been logged, private property I figured is why it escaped the saws.

My friend 'Lainert,' was running a brand spankin' new Unit-

ed, enclosed cab hydraulic shovel mounted on a 60's circa Mack truck, a big old brute the boss man had got from Danebo Equipment in Eugene, it had power nothing and three or four gear shift levers in it. I was the chaser/ knot bumper and green as they come. Lainert was not his real name, it was in fact Leonard. He got renamed Lainert after I heard his neighbor call his name

once. His neighbor was a good old boy who fled the depression era misfortune of the dust bowl and to say he brung his 'okie' accent with him was a gross understatement. Old Mr Payne could drawl and twang with the best of 'em and put 'em to shame doing it. He

(Continued on Page 16)
See "Cedar"

LOGGERS WORLD MARCH 2018

CALL US FOR ALL YOUR DOOSAN NEEDS

**Ask about our
Finance and Lease
Specials!**

DOOSAN

Authorized Dealer

- Parts
- Service
- Sales
- Rental
- Lease



Serving the Northwest Since 1901

(503) 282-2566

Fax: (503) 282-1755

4800 N.E. Columbia Blvd., Portland, Oregon 97218

feenaughty.com

(541) 636-3660

541-357-4542

9404 Highway 99 N., Eugene, Oregon 97401

**END GREASING
FRUSTRATION**



**GREASE GOES IN,
NOT ON, THE MACHINE**

LOCKNLUBE.COM | 603.795.2298

**KENWORTH T800
4-AXLE CHASSIS**



4 Trucks

To Choose From
YOUR CHOICE

\$55,000

Cummins ISX Engines,
18-speed trans. (RTLO18918B),
Single speed Eaton rear-ends
4:10 or 4:11 gears w/locker
**Hendrickson Haul-max
walking beam susp.**

#38 R892655 2002, DSP-463P
rears, 252"WB, 475hp...\$55,000

#64 R383798 2003, DSP-463P
rears, 251"WB, 475hp...\$55,000

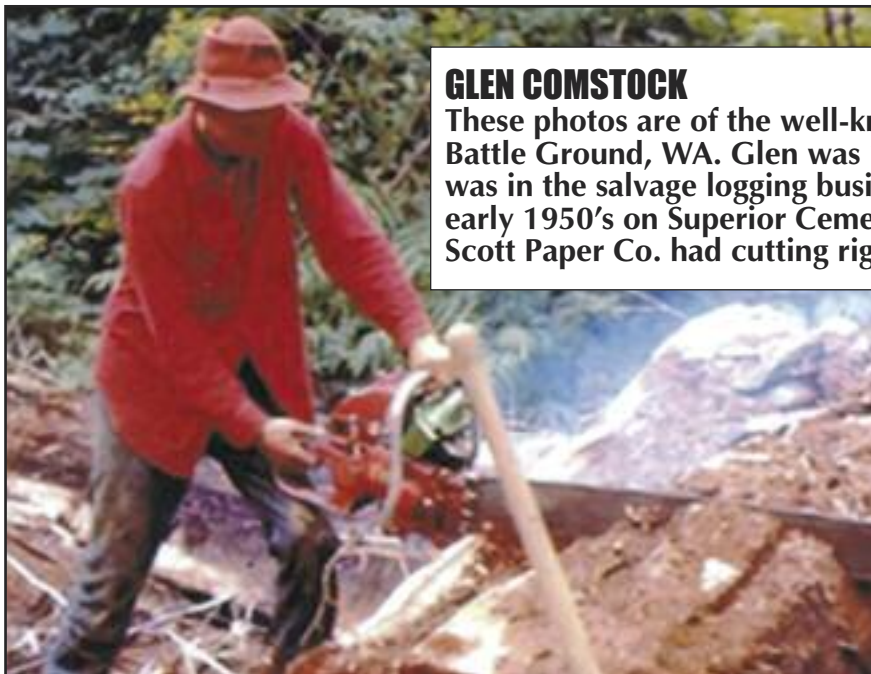
#112 R892656 2002, DSP-463P
rears, 252"WB, 475hp...\$55,000

#114 R892657 2002, DSP-463P
rears, 252"WB, 475hp...\$55,000

CLEAN AND IN EXCELLENT SHAPE!
Maintenance Records - Regular Oil Samples
For More Info: www.irelandtrucking.com

Thomas H.
IRELAND
INCORPORATED

Call Charles Ireland
541-863-1501
Myrtle Creek, OR



GLEN COMSTOCK

These photos are of the well-known logging historian Glen Comstock of Battle Ground, WA. Glen was 16-years-old at the time, and his family was in the salvage logging business. The pictures were taken in the early 1950's on Superior Cement Co. lands near Concrete, WA. Scott Paper Co. had cutting rights on the property.



Cedar

(Continued from Page 15)

was on in years and was having a rough go of breaking the lug nuts loose on his truck which was sporting a brand new flat tire. As Lainert and I were getting ready to go fishing he bellowed out, "Lainert, could you fellers give me a hand"? So we did.

Mr Payne was quite an old boy. He would rather fish and

hunt than breathe and he done 'er every chance he got and then some. He made the newspaper in Eugene one time when he and his best fishin' pard hooked into a good sized shark at the mouth of the Siuslaw at Florence while they were salmon fishing. It towed them right across the jetty and out to sea, but they got it, with a little help from Mr. Colt! It measured over six feet long and kept the two of 'em out of trouble for a good 2 hours, drew a hell of

a crowd to boot!

Anyways, back to the logging story. We knew it was just a matter of time until we got shut down for fire concerns. The cable outfits had been shutting down one right after the other, then the cutters and finally we got whacked too. I was all set to feed the wife a line and head up Quartzville Creek and do some gold panning, fishing and generally doping off when Lainert, enterprising sort that he was, come

up with this job cutting cedar bolts in the coast range. We'd never done that before but we'd sawn mountains of cord wood and figured we'd just as well give it a go, as when the rains set in we'd be getting whacked again and shut down for mud, somebody's always trying to shut down a logger for some reason or another and are seldom at a loss for one.

(Continued on Page 18)
See "Cedar"

Uniform Wood Stacks Better, Dries Better, Burns Better And SELLS BETTER!



Give YOUR Firewood Customers What they Really Want – Clean, Uniformly Sized Wood!

Cleans and sorts debris, kindling from firewood. AND Unlike Tumblers, you can feed the AutoFine directly from your splitter/processor or from a loader **SIMULTANEOUSLY!**

AUTOFINE



AUTOMATED BIOMASS SYSTEMS

Dunlap Enterprises 209-532-4974
Authorized Dealer

or Visit www.ABSBiomass.com
For Complete Spec's, Video
or the Dealer Nearest You

2235 Clarks Corners Rd., Marathon NY, 13803 • info@absbiomass.com

The Best Stand Alone Conveyor Available at Any Price. Lengths from 12' to 40' and Custom Hoppers to fit ALL Brands of Firewood Processors.

AUTOCONVEY



Towtem ATTACHMENTS

Articulating Grapple System



Standard Features

CAPACITIES: 1/16 Yard up to 3 Yards

MATERIAL: T1 / Hardox™ 400 Cutter Blades (Or Equal)

PINS: Induction Hardened

ROTATION: Heavy Duty Geared Turntable Bearing

CYLINDERS: Heavy Duty High Pressure with Spherical Bearings on Butt & Rod Ends

EASY LUBRICATION SYSTEM

SHANKS & TEETH: Esco™ Twist Lock

Sparrow Design Group, Inc. Dba Towtem Attachments

7011 S April Court, Cheney, WA 99004

888-731-1045

Phone: 425-481-5003 - Fax: 509-473-9884

E-Mail: info@towtem.com - Web Page: WWW.TOWTEM.COM

Go to YouTube and type in "Towtem Grapple Clams" to see our grapples performing multiple tasks. The manufacturer reserves the right to change prices, materials and specification without notice.


OREGON®
Limited Time Offer

Buy a SpeedMax XL bar and matching 19HX harvester chain and receive a Free SpeedMax Replacement Nose (SMR14T). See your dealer for details.

BUILT FOR YOUR TOUGHEST DAY.



SpeedMax™ XL .404" Cutting System 19HX Chain + SpeedMax XL Bar + Sprocket

We made SpeedMax XL for those who live to get the job done right — every cut, every day.

Oregon is the only manufacturer to design a complete chain, bar and sprocket cutting system for industrial harvesting equipment. Precision engineered components working together deliver unparalleled efficiency, performance, and durability.

Faster. Stronger. Longer-Lasting.

OregonProducts.com/SpeedMax

Oregon® and SpeedMax™ are trademarks of Blount, Inc.

The helicopter is bringing in a turn to drop it in the pile. A good pilot would set the turn down but with a little tension left in the rope, the electric hook would make a positive release. Sometimes if the rope was slack, the rope would not make a clean release and when picked up the ropes would snag on the hook assembly, which would make things interesting for the loading crew. Whenever possible, you wanted a clean, positive release without dropping a sling-load of bolts, damaging them. The guys on the ground would load the bolts into cord-and-a-half racks, which were loaded onto heavy duty flatbed trucks and trailers.



Cedar

(Continued from Page 16)

Lainert got the low down from the boss man and we were to report to him in Florence in a week where he would give us a crash course in the fine art of cutting cedar bolts to be used in the production of shakes for roofing and then a detailed map of our 'territory' or strip if you prefer, on the back side of Tahkenitch Lake near Reedsport Oregon.

These cedar logs we were to process into 24 inch 'bolts' were felled back in the 1940's before and during WW II and more than

a few were windfalls. Those exposed to the wind and elements out of the protection of the canopy were gun barrel, silver gray while those protected had thick soft coats of moss. Back then there was no market for cedar to speak of, they were considered more of a nuisance than anything and cut just to get them out of the way for the real treasure, huge Douglas firs and hemlocks needed for the war effort. Things were done with misery whips and steam donkeys then for the most part, it was just before the modernization age of the timber industry.

These cedars were no dwarves themselves, many being six and

eight feet in diameter and most laying in precarious situations that required careful study and attention to ones every move, they could ruin your whole day in a heartbeat. After being cut to the 24" length, a square cut I might add, one took a Polaski and excavated a small area into the hill side where you could work splitting them into manageable pieces and then they're stacked into ricks and girdled by a thick nylon rope with an eye spliced on each end in order to be helicoptered out to a landing where they would be dropped and stacked on waiting flatbed trucks to be hauled to mills for processing, we had

stepped in it again!

We had no idea what we had gotten into until it was to late! Our saws and accompanying tools, camping gear etc secured in the back of Lainerts '59 Chevy El Camino with a 283 V-8 and a three speed on the floor, we had one last stop in Eugreen to make before heading for our new digs in the coastal canyons and that was the radio shop to have a mobile telephone installed in Lainerts El Camino. The guy balked at doing the installation because he said the radio was worth more than

(Continued on Page 19)

See "Cedar"



Full Service Shop

Full Service Rigging, Saw Repair & Work Clothing

www.LoggingSupply.com

Toll Free 1-800-488-3127

USED PARTS FOR

CONSTRUCTION & LOGGING MACHINERY

Crawlers, Loaders, Trenchers, Excavators,

Backhoes, Skidders, Skid-Steers,

Engines and Transmissions

"Rely on our Experience - Est. 1967"



1-800-626-6046

**Schaefer
Enterprises**

4535 St. Rt. 3 N. • P. O. Box 136, Wolf Lake, IL

www.sewlparts.com - parts@sewlparts.com

Most Major Credit Cards Accepted

the rig and Lainert had to have the boss man call him and threaten to cancel the order for all the others, so he begrudgingly complied. Lainert had a few departing words for him for his trouble! Lainert didn't take much to those he felt were impeding his progress!

We were quick to notice once on the road that the El Camino had become a low rider under the strain of all our gear and new mobile phone. Going over the coast range Lainert had her 1st gear and a stick in the throttle and still had a line of traffic behind us. We didn't dare pull over on a grade for fear of getting her up to speed again. Once we got into the back reaches of the Tahkenich Lake country we were relieved of the muffler and smoothed out the road a little for

the next guy coming in. The El Camino would soon be replaced by an old pick up truck out of necessity. There were a few places getting back in there old Lainert had to go up in reverse as it was a shade deeper gear the 1st gear was. Ain't seen many men that can out do old Lainert backing up under the gun.

Our first cedar job will linger for a life time in our minds. It was a whole day getting our gear down in the hole where the logs lay, steep is not the word for it, but it will have to suffice for now. We would erect a brush camp in the hole to avoid the trek out, usually staying about three to four days then coming out and going into Reedsport for more supplies. We didn't worry about leaving our gear there as it was all we could do to find it, much less anyone else. We lived on hamburger patties and fried potatoes, eggs never fared to well on hike back down into the abyss.

We would soften the ground for our sleeping bags with moss from the cedars. We were kept company by roaming herds of elk, deer and an occasional curious black bear. We strung food stuffs, pans and the like up a small tree so a bear couldn't get at it, it was a learning experience with lots of curves!

We were blessed beyond our wildest expectations to be sure. We were blessed with old growth vine maple, gravity, windfalls in all the wrong places and a lot of our bounty though on the ground had root wads that towered over us. Standing snags, unless they posed a danger were left for wildlife and were chuck full of critters. Anything cut or moved went tumbling into the abyss and right on down to the bottom. Once found, the bottom was just like a lucky miner's sluice, full of good wood, all you had to do was figure out how to get it all sawed, split, ricked and slung and stay

alive and healthy in doing so. In places you could work a day or better without stepping on the ground, you had to whittle your way there. We would tie off rounds and try to keep them from going for a roll, but every tree or log was different. We would try and tie back root wads sometimes, they had a big turn over in help. A guy just plain had to know a little about working with big wood on steep ground to make a go of it, a few guys sacked their saddles without even getting out of their rigs, just turned around and went home or on to greener pastures.

We each had a Stihl O75, one with a 50" bar, maybe longer and one a 48" and they were to small for a lot of the stuff, I could write a book on chopping out stuck saws, we also had a little 'mini Mac for brushing trails. We

(Continued on Page 21)
See "Cedar"



ZENDER EQUIPMENT COMPANY

Contact: Kevin Zender (360) 319-7973

Rod Hansen (360) 520-6849

Bob Howell (541) 913-9559

Email: kevin@zenderequipment.com

rod@zenderequipment.com • bob@zenderequipment.com

www.zenderequipment.com • Everson, WA

LOG LOADERS

2012 Cat 568LL, w/Cat grapple, 5000 hrs, 1000 hrs on motor.....	\$260,000
2014 Cat 568LL, w/Cat grapple, 11,000 hrs, nice loaders	\$220,000
2013 Cat 324DFM, w/Cat grapple, 12,000 hrs, good cond.....	\$140,000
2015 Link-Belt 290x2, w/grapple, 6,500 hrs, xlent cond	\$260,000
2014 Link-Belt 290x2, w/Jewell 63" grapple, 9,000 hrs, new u/c, very nice loader ..	\$215,000
2015 JD 2954D, w/Jewell grapple, 7,500 hrs, excellent cond.....	POR
2014 Doosan 300LL, nice loader.....	\$215,000
2012 Hitachi 210LL, w/Jewell grapple, 8,000 hrs, nice machine.....	\$165,000
2005 Hitachi 250LL, w/Jewell grapple, recent rblt motor, pump & u/c, nice loader ..	\$65,000
2006 JD 2454, w/Pierce grapple, 8,000 hrs, forestry cab, new motor, good u/c.....	\$115,000
2003 JD 270, w/Pierce grapple, recent repairs	\$45,000
1997 T-Bird 1238 LL, w/grapple, good nice old log loader	\$35,000
2009 Kobelco SK 295, w/Jewell grapple.....	\$85,000
2006 Kobelco SK 330, w/Jewell 63" grapple, 12,400 hrs, rblt pump, swing motor & main valve, 50% new u/c	\$80,000

DELIMBERS

2007 Madiill 1800LL, w/Waratah 622B, 12,000 hrs, new drive motor and other repairs, log loader front.....	\$125,000
2014 JD 3754D, w/Waratah 625C full rotation, 7,000 hrs, very good cond.....	POR
2007 JD 2554, w/Waratah 624 super, 12,500 hrs, recent motor, pumps, good u/c, head is in good cond	\$129,500
2005 JD 3554, w/2012 Waratah 624C full rotation, 9k hrs on head, rblt motor, pump, new u/c on carrier	\$140,000
2005 JD 2054, w/Waratah 622B, 5,000 hrs on motor & pump, new swing group, good u/c, 18,500 hrs.....	\$65,000
2005 Komatsu PC300LL, w/05 Waratah 624, up graded to Timberite comp., recent motor, pump & u/c	\$120,000
2013 Link-Belt 290X2 LL, w/2012 Waratah 623C, 8,750 hrs, new drive motor, bushings, 10,000 hrs on carrier ..	\$275,000
2013 Link-Belt 290X2 LL, w/2013 Waratah 623C, 10,000 hrs, very good cond	\$260,000
2004 Link-Belt 370, w/Waratah 626, new motor & hyd pump.....	\$160,000
1996 Link-Belt 2800, w/620 Waratah, recent rblt motor & pump, c/w parts head, spare motor and lots of parts	\$40,000
2006 Cat 320C, w/06 Waratah 622B, rblt motor & pump, good u/c, 17,000 hrs, nice processor	\$70,000
1998 TimberJack 1270B, w/TJ 762 head, good rubber, w/track chains and lots of spare parts for head ..	\$35,000
2004 Timberpro TB620 E, w/Logmax 7000, 12,000 hrs, good rubber.....	\$140,000
2004 Waratah 624 Super, w/comp & controls, recent drive motor and bushings, good cond.....	\$35,000
2013 Link-Belt 290X2 LL, w/DM 4550, xlent cond, 9,500 hrs	\$197,500
2005 JD 2554, w/DM 4400, recent boom and drive motor.....	\$45,000
2004 JD 2554, w/DM 4400, good running delimber, 18,800 hrs.....	\$65,000
2001 Cat 320B, w/DT 4400, recent repairs & spare parts, 14,000 hrs.....	\$60,000
2003 Daewoo 300, w/Pierce 3348, good cond.....	\$69,500
1998 T-Bird 1236, w/DM 3500, good running limber	\$23,000

ROAD BUILDERS

2006 Gradall XL4100, w/buckets, 41,000 miles.....	\$57,500
---	----------

BUNCHERS

2012 Tigercat L870C, Tigercat 5702 350 rotation saw, 10,000 hrs, good cond	\$190,000
--	-----------

2015 Tigercat LH855D, Tigercat 5198 felling saw, 2,700 hrs, like new cond.....	\$400,000
1997 Madiill 3200B, w/29" Rotosaw, recent complete rebuild	\$75,000
2013 Cat 522B, w/Cat 23" hot saw, good uc, tight machine, motor new pump, 9,200 hrs.....	\$250,000
2006 Prentice 1190T, w/Quadco 22" 360 rotation, Cummins power, new u/c, 6000 hrs, nice buncher	\$130,000
2011 Valmet 450 FXL, w/Quadco 22" 360 rotation head, new u/c, good pins & bushings.....	\$210,000
2001 Timbco 445D, 32" bar saw, rblt motor, pumps and recent u/c, 13,000 hrs.....	\$75,000
1999 Timbco 445D, w/Quadco 22" saw, rblt Cummins and recent u/c, 12,500 hrs.....	\$62,500
1994 Timbco 425, w/24" bar saw, 5,000 hrs on motor & pumps, good uc	\$37,500
Cat 2440 Hot Saw, 24" saw, 40 degree tilt, new bearing	\$12,500

SKIDDERS & DOZERS & GRADERS

2010 JD 748H, bunching grapple, dual fnctn boom, rears 90%, front 30%, 1 set chains, 6000 hrs.....	\$95,000
1996 JD 648G, w/grapple, recent repairs.....	\$34,000
2013 Cat 535C, dual fnctn boom, bunching grapple, 35.5 X 32 rubber & new chains, 10,100 hrs.....	\$75,000
2005 Cat 525B, single fnctn boom, rblt trans and motor, good rubber & chains, 11,000 hrs.....	\$55,000
2001 TJ 460D, w/grapple, nice skidder	\$34,000
1996 Cat D5H TSK II, swing boom, 1 year on motor & torque, good u/c, 8 roller frame	\$95,000
1995 Cat D5H TSK II, swing boom, rblt hard bar, pivot shaft & swing rack, 8 roller frame.....	\$85,000
1993 Cat D5H TSK, fixed boom, winch, good u/c	\$85,000
2015 JD 1050K, 4 barrel multi shank ripper, semi U blade, 1034 hrs, like new cond	\$515,000
1990 Case 1450B, good u/c, winch w/arch, 7000 hrs, nice dozer.....	\$35,000
2005 Cat 14H, w/hyd snow wing, 90% rubber & chains	\$150,000

YARDERS & SWING YARDERS

Washington 78SL, 3 guyline, rblt Detroit 6V71T power, good u/c, nice cond, run all logging systems.....	\$107,000
1982 Washington 118, Major rebuild last year, new 8V92, air & hyd systems, New wheeler single lever controls ..	\$275,000
2000 Kobelco SK300, w/2 Pullmaster, tong tosser, Eaglet car, tree jack, grapple, new motor & pump, good uc ..	\$135,000
Diamond D210, rblt Cummins, low hrs on trans, new bearings in drum set, boom & gantry, good lines	\$310,000
Skagit 737, trl mount, Cummins 855, rblt heavy duty 7 guyline tube, Boman 7900 avl., Exc. cond ..	\$200,000
Madiill 071, Detroit 8V92T, water on all drums, 4 guyline, good lines, nice yarder.....	\$110,000
T-Bird TY90, T100 self propelled, 8 guylines, Cummins KTA power	\$410,000
T-Bird TTY 70, Detroit 60 Series 475, Allison CTL60614 trans, good lines, 4 jacks, 24' frame, xlent cond.....	POR
T-Bird TTY 70, Cummins power, recent rblt, good lines	\$475,000
T-Bird TSY 255, Cat power, excellent cond	\$520,000
T-Bird TSY 255, Detroit 8V92T, c/w msp, good u/c, very good cond, two avl.....	POR
T-Bird TSY 6140, Cat power, 50' boom, very good cond, 8,600 hrs	POR
T-Bird TMY 50, Detroit 8V92T, good lines, nice yarder	\$320,000

CARRIAGES

Boman 9500, Just rebuilt	\$40,000
--------------------------------	----------

TRUCKS

1982 Pete 359, c/w Serco 200 log loader & trl, recent motor	Call for info \$28,000
2015 General Short Log Trailer, 8'6" bunks, Vulcan scales	Call for info \$39,500

CLT

(Continued from Page 12)

27 working days without hammer drills and grinders along with using a fifth of the deliveries that trucks hauling concrete would make.

Now how much will this affect the timber industry? Currently the CLT industry is still a boutique-size sector compared to other forest product sectors, Lech said.

The global plywood industry produces many, many times more in terms of board feet.

However lumber companies are collaborating with the CLT industry, as they can add value to lower grade or less marketable grades and side lumber. Mills and loggers will be able to use more of the log and use more logs.

"Canada invested heavily in CLT industry seeing in it an opportunity for utilization of beetle killed wood," Muszynski said. "OSU is conducting research on the potential of building viable structural CLT panels with lumber from small diameter logs from stewardship thinning operations, and with Ponderosa pine."

All this has to be taken in perspective of the actual scale of the industry, Muszynski added.

"We believe that the biggest effect, would be opportunities for utilization of lumber produced from logs that haven't been commercially harvested, but removed from forests in large scale thinning operations," Muszynski said.

And while CLT buildings can be taller than conventional wood buildings, there still isn't going to be a Empire Cedar Building or a Trump Pine Tower anytime soon.

(Continued on Page 23)
See "CLT"

**INTERESTING SIDE EFFECTS**

CLT is "green" as it helps with CO2 emission and reduces construction demands as well.



FIRST ANNUAL TOY SHOW

**April 21, 2018
10 am to 4 pm**

213 East Maple St., Centralia, Wa.

Vendors (\$15.00/table) and Display People Wanted
*Vendors reserve tables by March 15, \$10,
after the 15th it is \$15. No cost to display only*

Open To The Public

\$3.00 Admission to show/museum, kids free

Contact: kingcletrac@aol.com phone 360-701-7525

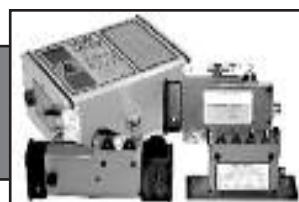
Come to the Show & See the Museum, too!



ROTHENBUHLER ENGINEERING

HOME OF THE *Talkie Tooter*

MARK III WHISTLE CONTROL
now in the 72 MHz band, get away from
congested frequencies with a proven design



CARRIAGE CONTROLS
rugged radios that can control most
manufacturer's carriage from the ground or
the yarder

**Rugged, Durable,
Industrial Radio
Equipment since 1946!**

P.O. Box 708, 524 Rhodes Rd
Sedro-Woolley, WA 98284-0708
Telephone 360-856-0836
www.talkietooter.com

looked at the bright side, cedar is easy chopping! Root wads down for a half century behave differently than your normal root wad. Time and weather have relieved them of the weight from the dirt and rock debris and they don't spring back like a fresh one, it seemed to us that they chased us down. We had tied off one of us, usually Lainert, dangling over the abyss to make a cut on a few occasions, it was not for the faint of heart or normal thinking people. We marveled at the wood, cut so long ago and just as sound as a nut and smelled fresh cut.

One time, Lainert had just cut a big old wad loose and he pitched the saw to its predetermined spot but slipped in his egress and it turned landed right on top of him, probably weighed 3-4000 lbs, when I opened my eyes here's Lainert sitting there with an old growth cedar root wad encased around him, it looked he was under a huge spider! That was good cause for a trip to town and libations and a

staff meeting 'round the campfire. It was an eerie stroll down into the abyss next morning..... with a head ache!

Lainert cut one running down the hill one time that had split right down the middle when it hit the ground, way back when. When he was bucking it and when he got to the split she craaaaacked and shot down the hill like Clark Grizwald's sled. Made a hell of a racket, the guys next canyon over heard it we found out at a local 'staff meeting' round the camp fire! We were a tight knit community, us cedar tramps one could argue!

Once or 'if' you ever got a 'round corralled so's you could start splitting them, the fun was just getting started. 6 to 8 lb axes, a cutters axe with a long handle for cheating your swing and plastic wedges had been introduced were what we had to do the job. A lot of them we'd split on lay with the log, piece meal them down, sling and rick them and repeat until the whole canyon sides done by individual partners were ready to 'fly', that too was a trip to town and staff meeting round the campfire oc-

casion.

Flying day, as one might imagine was a pretty big deal too for us lowly cedar tramps, if all went off as planned it would be payday and.....you guessed it, another trip to town and everyone knew it, even in town. Anybody that was anybody knew when the cedar tramps got paid! Every watering hole in the county had a safe in the back room flush with cash, more than eager to cash a way ward cedar tramps paycheck, secure in the knowledge that a good portion of it would be returned to the safe at closin' time and everybody knew it and all was good in the world of a cedar tramp for at least a night or two!

On flying day its nerves and not so sweet anticipation. All are ears tuned and tilted skyward, each man sure he would be the first to announce, 'INCOMING'. Don't matter who you were or where you were, the ship went to the other guys first. You got to where you could tell if they were coming or going or approaching a rick or lifting one or landing one just by the sound of the rotors and a little sense of direction.

Finally it would be your turn. You have gone over the plan and order of flying countless times at the aforementioned staff meetings, amongst yourselves and even in your sleep, yet every man knows that in the life of a cedar tramp, nothing is easy nor guaranteed nor taken for grant-

ed. After you hooked up you moved, quickly, if at all possible up the hill or pointed with your arm your intended path so the pilot would know, he don't like people wasting his time, nor do the guys paying him.

On this 1st fly of our cedar tramp careers our pilot was one of two brothers, twins from South Vietnam who had flown combat missions in the war, they could read a copy of Loggers World and fly bolts at the same time, they were amazing, probably in their mid to late 30's. We never met the men but boy we sure crowed about them, anyone who ever worked under them did.

They would lay that hook right in your hand and feed you the slack you needed, where you need it, when you need it and keep it off the ground and out of the brush.....as if that's possible. As any logger knows, there's always got to be a limb to foul something. If a loggin man ever runs out of things to hate he's always got a limb, or a stump to fall back on.

In the rain and cold we were once again blessed, this time with what they call, 'static electricity', boy was that a hoot! Actually, it was a hoot and we got a lot of laughs out of it, until it was your turn, and to be fair, you always had your turn! They

(Continued on Page 22)
See "Cedar"



**CAT 930 G and 924G
Parting Out**



CAT D6C Parting Out



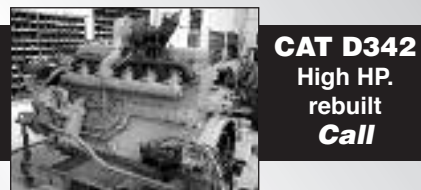
CAT 938 F Parting Out



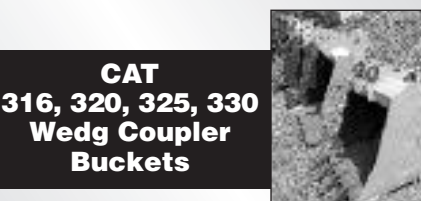
**Rebuilt
CAT
3046**



**Cat D5HTSK, ESCO Swing Boom
\$78,000**



**CAT D342
High HP.
rebuilt
Call**



**CAT
316, 320, 325, 330
Wedg Coupler
Buckets**



**DUKES
PARTS & EQUIPMENT
509-952-9223**

204 Butterfield Rd., Yakima, Wa 98901 Shop: 509-469-9420

Check us out online: www.dukesheavyequipment.com

SCHMUNK'S TIRE CENTER

2650 MAIN
SPRINGFIELD, OR 97477
**"One of the Northwest's
Largest Chain Distributors"**



TOLL FREE 1-800-242-8473

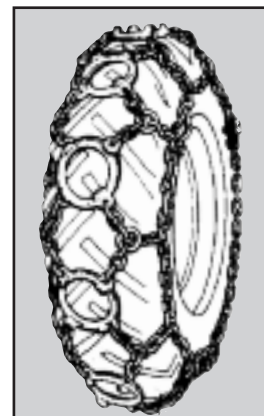
541-746-1604 • Ask for Dan
HOURS: 8 AM - 6 PM Mon.-Fri.,
8 AM - 5 PM Sat., Closed Sun.
Email: dan@schmunks.com

**SKIDDER AND LOADER CHAINS
RING STYLE • 23.1 x 26 (9/16")
(1695.⁹⁵) PR.**

**CAM LOCK TRUCK CHAINS
SINGLES (49.⁹⁵) • DUALS (99.⁹⁵)**

"Huge Inventory"

of Truck & Skidder Chain in other sizes available at Similar Savings
Ask about our Large Stock of Used Off-Road Tires

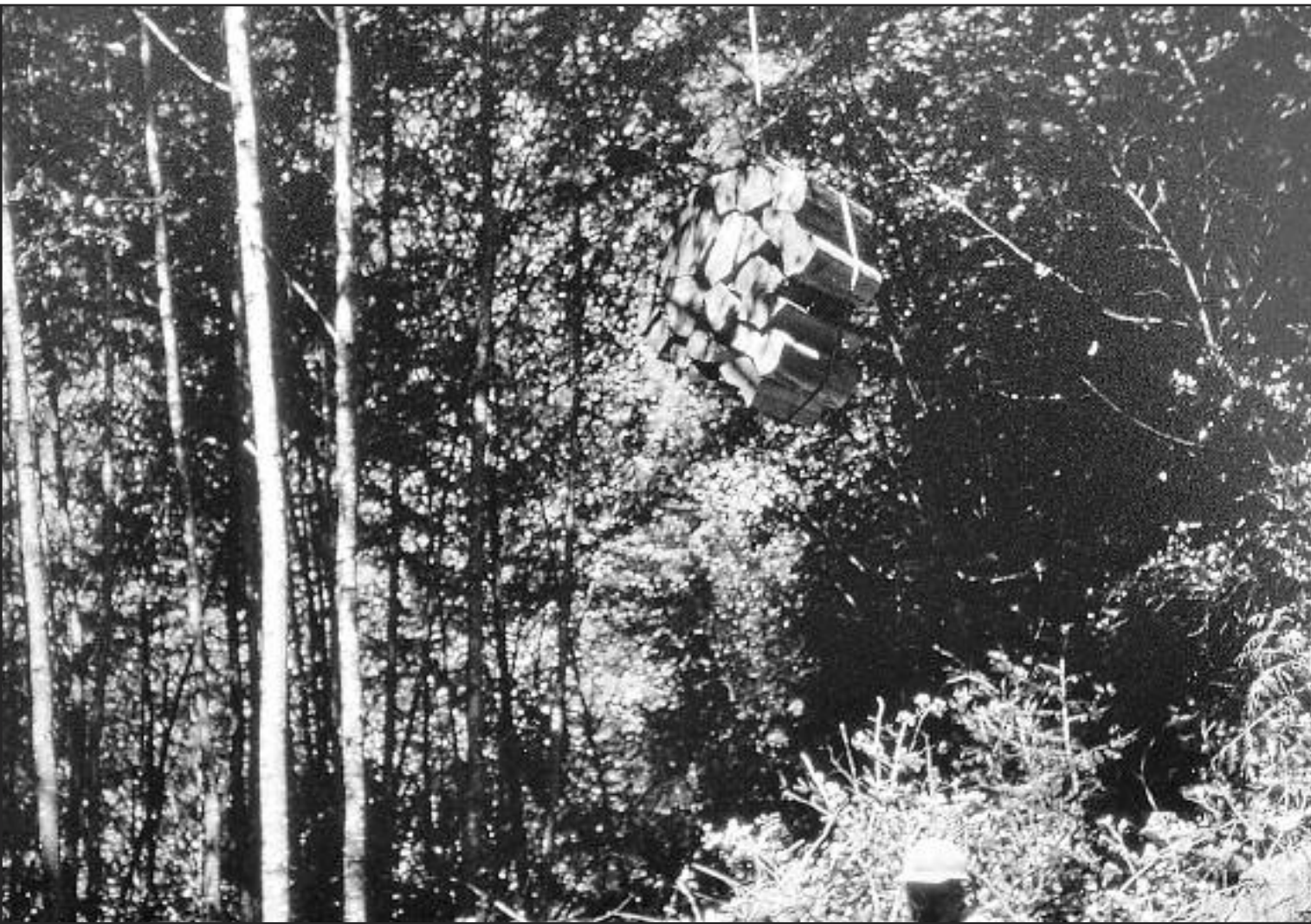


RING STYLE

(Continued from Page 21)

could be jolting sometimes, like a spark plug or coil catching the shade tree mechanic off guard. You could see the blue arc just as it zapped you. Sometimes the hook would get grounded and unload before you grabbed it, we'd get a 'grounding pole' if we could and stab it in the duff and try and bounce it off the cage of the hook before we grabbed it. That was better than nothing but didn't always work like we'd hoped, none of us really cared for it all that much! Sometimes I wondered if those pilots might be having a little fun at our expense!

On a rare occasion a tuckered out cedar tramp was offered a 'ride out'. The pilot would come back after the last rick was flown and drop the hook and cage down and then up and repeat while pointing at the gear and us with a hand gesture and nods. Didn't have to tell me and old Lainert twice, we chucked everything in the double lined sea bag, ran the eye through the saw handles. Lainert had the web belts and he hopped on the hook, I hopped on his lap and we fastened the web belts around us and up and away we went. A limb never touched us and in about 30 seconds he



The turn is now in the air and you can see how the rope has pulled tight all around it. You don't want blocks dropping out on their way to the landing. The load is being lifted and at the same time moved

away from the guys on the ground, in case the sling breaks or a bolt does drop out. Flying cedar, this crew tried to average it out to five turns to the cord.

laid the gear in the road, moved a few feet and we hopped off and waved till our arms hurt, then just sat down and discussed the upcoming staff meeting round the campfire.

Being the astute planners old Lainert and I were back in the day neither one of us had the

sense to procure a camera and record our adventures as coastal cedar tramps, what a shame.

But, that's why the Logging Gods, in their infinite wisdom gave us guys like Quinn Murk, who had the fore thought and good sense to do just that. Quinn is the guy that does the 'Blast

From the Past' column in Logger's World, the man is a walkin' talkin' logging history encyclopedia and he came through in a pinch with a few pics, thank you Quinn, it is greatly appreciated. Until next time, Hoss Barker, for Logger's World.



Leading For Success

80th Annual Conference & Equipment Show

Mirabeau Park Hotel & Convention Center
Spokane Valley, WA

April 5-7 (Thurs. - Sat.) 2018
Equipment Move Out Noon Saturday

Julie Schwanz
Julie@intermountainlogging.org
Secretary/Conference Coordinator
(208) 245-3425

www.intermountainlogging.org



Join us for the 2018 Conference in beautiful Victoria, B.C.

April 25-27, 2018

"Families In The Forest"

www.olcnw.com

Visit our website for details & registration

Questions? info@olcnw.com or 425-422-6686

(Continued from Page 20)

While taller buildings are an option for CLT companies, the “bread and butter” for the industry is four story residential buildings, offices, hotels, hospitals, schools, concert halls, sports arenas and libraries.

The largest CLT plant on earth, which is still under construction, will be able to produce 42 million board feet a year. Still, the boutique size of the industry most plants working at about half their capacity.

It's still a niche product, but it's growing. Global CLT sales have seen their market grow by nearly nine percent each year. In 2011, the sales were 723,700 square meters and grew to 1,090,300 square meters in 2016.

Portland has seen CLT buildings pop up in their Pacific Northwest city, while over in eastern Washington, a CLT facilities are slated to open up in the Spokane area and Vaagens Bros. in Colville is going to begin producing CLT products.

In Newark, New Jersey, a 500,000 square-foot skyscraper

will be the largest mass timber building in the United States and reach 11 stories high. Industry enthusiasts are touting the carbon capture benefits of the wood, the CO2 emission-reduction in the construction process as well.

Yes, CLT is green! With cement emitting nearly a ton of carbon during its construction, a ton of timber through the trees from which it is made, can remove up to two tons of carbon from the atmosphere.

Proposals for new CLT projects include a 100-story tower in London, a 40-story building in Stockholm and a residential complex in Vancouver. An 18-story CLT wood structure is opening up at the University of British Columbia. People are calling CLT the first new way to build a skyscraper in over 100 years. Also these buildings quite literally smell better with that new timber building scent.

So while it's still at the moment a niche product, CLT is showing that timber can be used in a new and different ways and in the future, one of the better option may be logs as a building material.

BUILDING UP

CLT is seeing its market grow but it's still a niche construction market and a niche market for the timber industry to supply.



INSURE YOUR IRON!

and your liability needs, too.

Many of you know us as the agency to see for Disability Income, Medical and Life Insurance... but we are a full-service agency with packages dedicated to the logging industry and related businesses.

We have excellent markets for:

- Worker's Compensation
- Commercial General Liability
- Logger's Broad Form
- Commercial Auto
- Cargo
- Commercial Property
- Inland Marine (Your Iron)
- Bonds



Call today for more information!
866-514-3356 Toll-Free!

360-274-6991 • 25 A Street SW, Castle Rock, Washington 98611

Wayne Lunday, LUTC, CLU, ChFC

Aaron Lunday

Gail Mowrey, ACSR, CMSR, CRIS

Commercial Insurance Manager



A full-service, True Multiline Agency Dedicated to the Logging and related Industries
Licensed in WA, OR, CA (OD43750), ID, MT & AK
Commercial Insurance, Personal Insurance, Life, Disability Income,
and Individual and Group Medical Plans

REDWOOD REGION LOGGING CONFERENCE March 15-17 2018



- ◆ Equipment Show
- ◆ Portable Sawmills
- ◆ Show N' Shine Comp.
- ◆ Log Loading Comp.
- ◆ Education Day
- ◆ Wildlife Show
- ◆ Historical Displays
- ◆ Career Day
- ◆ High School Forestry Competition
- ◆ Friday Night Banquet
- ◆ Friday Night Auction
- ◆ Golf Tournament
- ◆ Ladies Luncheon
- ◆ Pro Logger Classes



80th Annual
Redwood Empire Fairgrounds
Ukiah, California
(707) 443-4091
www.rrlc.net

BLAST FROM THE PAST

BY QUINN J. MURK FOR LOGGERS WORLD



CONTACT QUINN:
VIA EMAIL

ktmurk@centurylink.net

Or by Mail at:
P.O. Box 319,
Siletz, OR 97380

BOLT CREW

A bolt crew poses with their output of long bolts. Horses pulled out the bolts on a log “scoot.” Thrown on a riverbank, they would wait for a high water event to carry them downstream. Long bolts could be cut into two shake bolts or three shingle bolts, depending on market demand. Handling long bolts was hard work, but it opened your wood to a bigger market. This is a view from Washington State.



**THE BEST JUST
GOT BETTER!**
FORTRONICSTM LTD
FORESTRY ELECTRONIC CHOKER SYSTEMS



**Introducing the all new
GENERATION 3 Choker Bells.
Call today for more info.**

ACME
Manufacturing, Inc.
(541) 741-2200



(541) 741-2200 - 90099 Prairie Road - Eugene, OR 97402

www.acmecarriages.com



Follow Us On Facebook

SPINNING PLYWOOD

Plywood has not always come in 4' X 8' sheets. At one time 12 foot sheets were available for general construction and 16 foot sheets were available for boat building. The bigger sheets, when used in boat building, cut down on the number of seams in the hull, reducing the chance of leaks. Now that we no longer have the wood, big sheets are pretty much a thing of the past. This lathe is spinning a 12 foot absolutely clear log, in the Grays Harbor country of Washington State.



ATTRACTING AND KEEPING THE NEXT GENERATION OF LOGGERS

By Larsen Arndt

A few months ago, I had a conversation with a young log truck driver that brought to crystal clarity the biggest problem our industry is facing. He told me he was quitting thee woods and was really sad to do so. It surprised me because this guy had just finished his first year in the woods and seemed to be loving the work. He said he had to take another job because of financial reasons. He's a young guy with a wife and 3 young kids and this summer had been hard on him; he'd lost a week waiting between jobs, then quite a few days because of fire danger and over a week because the early rain muddled out a dirt haul road. This job had trucking rates lower than average too, and with the lost time it was just too much. What really hit home for me was his statement, "I want to

go do this other job and save up a while and hopefully be able to afford to come back to the woods." That said it all. Timber values were at an all time high, demand for contract logging and trucking was also high, and yet there wasn't enough money or steady work to keep a family guy here in the woods. Since when should a guy have to save up money, so he can afford to work in the woods?

This explains a lot. On our string of trucks the youngest driver is in his mid-thirties. The rest are in their 50s and 60s. For the most part, the older guys can handle a few lost days. They don't have the house payments and car payments that a young guy just starting a family does. On our logging crew it's the same way – most of the guys are in their 40s and 50s. They are at a point in life where losing

some time isn't so devastating. Basically, the logging industry is weeding out guys who need steady work. According to AOL's research the average age of a logger is 45. There's no need to restate the problems we will have in 15 years when most of these guys retire. We're already having these problems. We lost time on our current logging job because the road contractor didn't have drivers for his rock trucks. Again, the guys that are regulars on the rock truck crew are older guys who have retired from another job and only need to work part time.

There's been a lot of talk in our industry about attracting young people. A lot of us have been trying to address the problem. I've been taking kids to work with me and letting them run a shovel or skidder when its safe. I think it's been effective; at least two of those

kids want to go to work logging the minute they turn 18. We've taken a buncher simulator to the local high school and watched kids lined up all day to run it. It gave the kids a better picture of working in the woods than they'd ever had. Some said they'd never thought of logging as a career opportunity until spending time on the simulator. Yes, we need to attract young people to the woods. But first we need to address the bigger problem, the problem my log trucker friend highlighted; employee retention. Unless we make the woods a better place to have a career and raise a family, our attempts to introduce young people to the industry are just feel-good measures that accomplish nothing.

Any cable or phone service

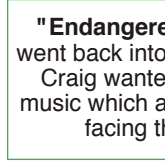
(Continued on Page 27)
See "Next Generation"

Logging Music recently re-released and re-mastered!



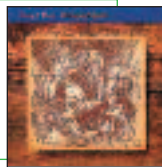
The Snag Fallers Ball
\$15.00
Plus Shipping

"The Snag Fallers Ball" - A light hearted collection of original songs about logging in Oregon and Alaska, and was first released in 1988. Craig wrote nine of the eleven songs on the album and co-authored two others with Don Beck, a long time friend, logger and musician also from the small town of Mapleton, Oregon.



"Endangered Species" - In 1989 Craig & Terry went back into the studio to record their next album. Craig wanted to share his point of view through music which addressed some of the political issues facing the logging industry at that time.

Endangered Species
\$15.00
Plus Shipping



You Hold Me Still
\$15.00
Plus Shipping

"You Hold Me Still" - In 1992 after many requests to record a gospel album they again returned to the studio and recorded eleven original songs. Two of the songs are co-written - one with Don Beck and one with Rick Barrows.



ALL 3 CD'S
Snag Fallers Ball, Endangered Species & You Hold Me Still

\$40.00
Plus Shipping



Songs from the Siuslaw
\$20.00
Plus Shipping

"Songs from the Siuslaw" (pronounced SY-u-slau) is a heartfelt tribute to the hard working men & women in the logging industry and dedicated to the many men who have lost their lives doing one of the most dangerous and unappreciated jobs in the world. This a double CD set that was recorded live in Florence, Oregon in 1999 at the Florence Events Center. The first CD is saw-shaped and will play in top-loading and tray-loading CD players ONLY. It comes with a 20-page booklet- filled with humorous lyrics and old logging photos.

Order on their website for fastest service:

www.ctmusicoregon.com

Or if you prefer not to order on-line you can call them at: 541-268-6910

SUBSCRIBE TODAY! LOGGERS WORLD

12 Issues – 1 Year Subscription

\$25.00

WA Residents pay
\$27.40 w/tax
Inside U.S.A.



Offer expires
December 31, 2018

LOGGERS WORLD

Send your check or Money order to:
LOGGERS WORLD LLC
P. O. Box 1631
CHEHALIS, WA 98532

☐ \$25.00 for 1-Year Subscription ☐ \$50.00 for 2-Year Subscription
WASHINGTON RESIDENTS PAY \$27.40 & \$54.80 w/SALES TAX

NAME:.....

ADDRESS:.....

CITY:..... STATE:..... ZIP:.....

PHONE: ().....

(ALLOW 5 WEEKS FOR DELIVERY OF FIRST ISSUE)

Next Generation

(Continued from Page 26)

provider will say that it costs much more to attract a new customer than it costs to retain a current one. We loggers experience this. How many of us have gone through the stress and expense of training a new guy and then another industry snatches him up? I believe our biggest problem is keeping the good guys in the woods after we get them. This past year two of my friends left the woods for construction. One of them had over 20 years of experience and was one of these guys who could do about anything from pulling rigging to running processor. He got an 8\$ an hour raise, going from a seasoned logger to an entry level construction job. My other friend was a young guy who learned quick, worked hard, and had a lot of potential. He too left for a construction job – much better hours and almost double the pay. What did it cost our industry to lose these guys?

Loggers to some extent are

like cowboys – we either love it or hate it, and if we love it nothing else appeals to us. The other day one of my guys and I were fixing a blown hydraulic hose. It was the usual situation; standing on a slippery log deck, 20 mph winds blowing sleet, cold hands and all that. I jokingly asked him, “Does this make you re-think your career choice? Like maybe a nice warm office with

“Since when should a guy have to save up money, so he can afford to work in the woods?”

fresh coffee and better co-workers?” He looked down from his oily perch on the processor head and with far more seriousness than usual, said, “I wouldn’t be able to handle it for twenty minutes. I’d go crazy.” Cleary, he’s crazy already, just like the rest of us loggers who love our jobs.

For too many years now our industry has taken guys like him for granted. And as a result we don’t have many left.

What can be done? Us contractors need to do all we can to pay our guys better and make sure their income is reliable. But contractors alone cannot fix the problem. Timber companies must make this a priority as well.

Timber companies that we work for need to realize the impact of their decisions on the individual trucker, cutter

or shovel operator. So often a guy who is salaried lays off the trucks for a day for wet weather, or shuts down a logging side due to fire danger, without realizing that for the guys in the brush one lost day is at least a 5% cut to their monthly income. Should the individual logger bear that cost? Or should the resource itself pay enough to compensate for lost workdays? Our biggest cost is downtime; contractors can’t recover that lost

time and neither can our employees.

Timber companies’ decisions have a huge effect on our employees. We’ve joked about how some timber companies have their Salem loggers drive to Eugene and their Eugene loggers drive to Salem. Maybe there’s a good reason, but it hurts the guys who have to spend 4 hours a day in a crummy. A family guy probably won’t do it. Even the way timber companies manage their inventory has a huge effect on the guys in the brush. When the mill wants 15 loads one day and none the next its hard on both the trucks and the shovel operator. The trucks lose time and the shovel operator has to figure out what to do with the wood he can’t ship. Time lost between logging jobs just waiting for paperwork is a real problem too. No one knows how long they’ll be off, so they have a hard time finding fill-in work. All these things add up in the

(Continued on Page 30)
See “Next Generation”

LOGGERS WORLD Suspenders are Back!!



Show the world that you support
LOGGERS WORLD MAGAZINE
by wearing Loggers World Suspenders

Loggers World Suspenders are now available in traditional red (2" wide) with black lettering. You can order them with leather ends or clips and we also have the buttons. Just use the handy form below.

Only
\$18.50
per pair

A Great Gift!

(Washington Residents pay
\$20 including Sales Tax)

Plus \$7.50 shipping & handling



PLEASE MARK YOUR PREFERENCE & SIZE...

☐ LEATHER ENDS

☐ METAL CLIPS

☐ 46"

☐ 46"

☐ 50"

☐ 50"

☐ 54"

☐ 54"

☐ BUTTONS for Leather Ends

\$3.00
Pkg.

Send your check or Money order to:

LOGGERS WORLD LLC
P. O. BOX 1631
CHEHALIS, WA 98532
Credit card sales call: 800-462-8283

Offer expires
December 31, 2018

NAME:

ADDRESS:

CITY: STATE: ZIP:

PHONE: ()



As We See It....

Public deserves an honest debate over logging and wildfires

By Mark Turner

Has anyone else noticed that some environmental types seem so dead set against logging, that they would rather burn up our national forests then allow any kind of logging to take place? Their tendency is to spin the facts, in order to make the public think that logging is always bad.

Out here in Oregon, last year, we had another record year of forest fires. You would think that everyone would recognize the importance of not burning up our forests, for a whole host of reasons. Not these environmentalists, though. Their first claim is that it's all because of climate change. Now I'm not here to make any claims about the validity or invalidity of climate change. All I know is that our National Forests are burning up. However, that is not true of our well managed private forest lands. In fact, about the same amount of fires started on private land as on Federal land. However, over 95% of the acres burned were on federal land. If it was all due to climate change, wouldn't just as many private acres burn as public?

My contention is that it is all about how the forests are managed. Our private forests are generally healthy and productive. While our public forests are generally unmanaged, unhealthy and unproductive.

Our environmentalist friends don't seem to be concerned by this, however. In fact, there is at least one well known "scientist" that has been touting the importance of fires to the ecology. While I'm sure that there is some

validity to that statement, as long as the fires are on a small scale. However, when the fires get to the scale that we have seen in recent years, the negatives far outweigh the positives.

And how about all the emissions that these fires produce? Here in Oregon there is a big push to reduce our carbon emissions. A new gas tax here and a diesel tax there. Plus proposals for carbon taxes. However, they don't seem to care that the small savings in carbon emissions these schemes will produce, are minuscule compared to the carbon emissions from our forest fires. If we could keep our forests from burning, we would not only reduce the amount of carbon emitted into the atmosphere, as long as these forests are healthy, we will be taking carbon out of the atmosphere.

The next issue is the erosion that these large fires cause. Most of these large fires occur on steep and sometimes unstable slopes. Many of us in the timber industry were wondering what the environmentalist's response would be when the heavy rains came this fall and the hillsides started washing away? You can only imagine how surprised I was to hear a Forest Service employee explaining, over the radio, that "there was much needed turbidity and a lot of large woody debris going into the streams in the burned areas". Then went on to explain that "it would be really good for the fish".

To say that I was flabbergasted, would be an understatement! Particularly since we are not allowed to put any turbidity into

any streams, from our logging operations. In fact, a few years ago, there was a lawsuit claiming that turbidity from a logging operation should be considered pollution. In my book, turbidity is turbidity. If it is considered pollution when it comes from a logging operation, it should also be considered pollution, when it comes from a burned area. Or in fact from anywhere.

And finally, what about all of the habitat loss? Many of you may remember all of the loggers that were put out of business, when the spotted owl was listed? Well, it turns out that the biggest threat to the spotted owls aren't loggers. They are Barred owls and forest fires. It turns out, recent data has shown that spotted owl habitat is especially susceptible to large forest fires. In fact, Spotted Owl habitat burns hotter and more completely than most other areas.

I think it's time for a much more frank and honest discussion about these issues. For my part, I think we would be much better off to actively manage these forests. Making them more fire resistant and utilizing the extra materials for lumber and biofuels, rather than sending them up in smoke.

Mark Turner is the President of the American Loggers Council. Mark and his brother Greg operates Turner Logging out of Banks, Ore. Mark is an active leader with the Associated Oregon Loggers.

The American Loggers Council is a 501 (c)(6) not for profit trade organization representing professional timber harvesters in 32 states across the United States. If you would like to learn more about the ALC, please visit their web site at www.amloggers.com, or contact their office at 409-625-0206.

Appelo Archives Center

Logging Museum, Library and Bookstore



Our best selling book:

"When Logging Was Logging" is available for purchase in store, online, and over the phone!

1056 SR 4 Naselle, WA 98638

360.484.7103

info@appeloarchives.org

www.appeloarchives.org

The Appelo Archives Center specializes in preserving and presenting the history of the Naselle-Grays River Valley area of SW Washington. The Archives offers a museum, local genealogy, library, archival material, and bookstore.

Open Tues.-Fri 10am to 4pm and Sat. 10am-2pm

Photo:

Deep River Logging Co.'s
Shay No. 5 at the Deep
River log dump, 1912.



I BUY LOG SKIDDERS



- **Dozers**
- **Loaders**
- **Excavators**

1-503-545-0007



Summary Judgment....

The Federal Government Should Live by the Rules

by William Perry Pendley

Pulitzer Prize-winning poet Robert Frost's iconic Mending Wall ends "Good fences make good neighbors." It is also legally true, but much less poetic, that good neighbors keep their property in a reasonable and safe manner to prevent hazards upon their land from harming their neighbors. Unfortunately, that is not the approach followed by the federal government, which makes it the world's worst neighbor, as a Colorado man discovered.

In 1985, Michael Whited moved cross country from Alabama to Colorado. Five years later, Mr. Whited purchased a modest home in idyllic Fourmile Canyon where he and his wife have lived ever since. This area of Boulder County, Colorado was heavily mined from the mid-1800s through the early 1900s. The canyon's steep hillsides are covered with pine and aspen, the stream flows fast, furiously, and noisily downhill, and the Rocky Mountains loom in the background. It has its challenges, such as fire dangers, world-class snow falls, floods, and unpaved, narrow, and

winding roadways. The worst problem, however, is dealing with one of the small community's neighbors, the federal government.

Mr. Whited's next-door neighbor is the federal Bureau of Land Management (BLM), on whose property stood a dilapidated mining shed made of heavy stonemasonry and wood timbers. The shed was built directly into the hillside and sits less than ten feet from his house. In 2011, Mr. Whited, a mechanical engineer, recognized the shed posed a hazard to him and his property, so he asked the BLM to remove it or at least to sell him the small piece of land beneath the shed so he could remove or stabilize it himself. Over a three-year period, the BLM passed him from employee to employee and office to office, but never took action to remove or stabilize the shed. Then, despite promising "a response is forthcoming," the BLM never contacted Mr. Whited again. In March of 2016, just as Mr. Whited feared, the shed collapsed causing heavy debris, including rock, concrete, and other heavy materials, to block the

walkway behind his house. The collapsing shed dislodged trees and drove them into the back of his house and into the breaker box, which created a risk of an electrical fire.

Despite Mr. Whited's numerous pleas, the BLM refused to take any action to address even the most significant safety hazards caused by its failure to maintain its land properly. Instead, ever since the BLM's shed collapsed, he has been forced to expend his own time and money to deal with those issues. Nonetheless, large portions of the shed remain collapsed on Mr. Whited's property because it would be futile for him to remove the remainder of the shed himself. The only thing that will prevent any further damage to Mr. Whited's property is for the BLM to stabilize the land it owns on which its shed previously stood.

Finally, in 2017, Mr. Whited filed an administrative claim pursuant to the Federal Tort Claims Act (FTCA) asking the BLM to take full responsibility for the mess that it made on his property. Instead, the BLM outrageously

repeated it "has no ownership of the [shed] on public land." It did however grant him permission to "remove any of the structure that is on your property as well as any of the structure where encroachment onto your property is imminent." Nonetheless, the agency warned him that he could not construct a retaining wall on or enter upon BLM-managed land without paying for a BLM right-of-way. Obviously, the BLM expects Mr. Whited to foot the entire bill for its neglect.

Days ago, with Mountain States Legal Foundation as his attorney, Mr. Whited filed a lawsuit in Colorado federal district court against the federal government to restore his land to its full use, to provide compensation for the damage already done and the costs incurred by him, and to force the federal government to act like any other law-abiding neighbor.

Mr. Pendley, a Wyoming attorney, is President and Chief Legal Officer of Mountain States Legal Foundation and a regular columnist in Loggers World.



Call (800) 422-0074 or join
online at www.loggers.com

Membership Highlights...

- Master Logger Program (exceeds SFI logger training requirements)
- Monthly Springboard Magazine
- First aid/cpr and pilot car training
- Log A Load For Kids® - giving campaign for Children's Hospitals
- WCLA Insurance Agency - top coverage for the timber industry
- Employee benefits programs through WCLA's benefits partner: Kibble & Prentice
- WCLA Claims Management Program - providing the benefit of savings on L & I premium costs, improved safety standards and reduced claims costs

WANTED

**Experienced Field Mechanic
and/or Truck Mechanic
call Papac Alaska Logging**

907-965-4222

wrong direction for our guys' job satisfaction.

When trying to retain employees, we have to realize we are competing not with our fellow loggers, but with other industries. I just read a news article headlined, "Six-figure Construction Jobs Are Going Unfilled". The article goes on to say there are not enough good workers to fill these jobs.

“An exciting job that could end for a week with no warning just doesn’t make the house payment as well as a boring job that’s steady.”

benefits) per year, we obviously have some stiff competition. Maybe that sounds like a lot of money, but we re-

Logging can be so fun and so rewarding. But fun and rewarding don't make a house payment. An exciting job that

could end for a week with no warning just doesn't make the house payment as well as a boring job that's steady. I can't think of a job I'd rather have. I love falling a big doug fir and seeing it save out perfectly in its lay. I love the mountain sunrises that us loggers get to watch. I love the comradery of working with awesome guys to productively log a tough piece of

(Continued on Page 32)
See "Next Generation"

TOLL FREE: 1-800-462-8283

RATES: Space available at \$25.00 per column inch. Each ad is separately boxed for prominent display of your machinery or message.



DEADLINES: by mail, 5th of month prior to publication.
Phone your order toll free 8:30-5:00 p.m. Monday-Friday Pacific Time.
Use your VISA or MasterCard Cards



800-644-1182

**Dunlap Enterprises does
wide sawmills, firewood
processors, splitters,
conveyors, grapples,
attachments, and more
209-532-4974**

445 Finals & Motors
Cat 330 & Lohmann GFT80
Stick, Tool & Leveler Cyls
Tested Rad, Poclain Swing
ALL ITEMS INSPECTED
Call Kevin 877-563-8899 or
250-565-5222
khodgins@prolenc.com

- New & Used - No age restriction
- No Financial Statements Needed
- Approvals in 24 hours
- Logging Industry Specialist

www.cfscapital.com/forestry
800-503-4919

Time to Quit - Sell or Trade. Heavy Equipment parts: Allis Chalmers, Terex, Cat, Link-Belt, John Deere, Detroit. Old logging rigging and tools, blocks, shackles, saws, etc. **503-879-5440** or deck@partsunknownusa.com

**Self Loader for Hire,
Washington
253-579-3623
t.mpurtteman@gmail.com**

**Deadline for the next issue of
Loggers World Magazine is
March 7, 2018**

ENGINES WANTED
WILL PAY CASH & PICKUP
 DETROIT engines 60 series,
 12.7 liter DDEC III's & IV's.
 CUMMINS Big
 Cam 444, NT88, N14.
 CUMMINS ISX non-runners.
Call or text 501-772-6005

WANTED: Bull or High Lead Logging Block, 18" sheave or larger also want to buy old axes, axe heads, spring boards, crosscut saws and handles **Bob 360-687-1883 or 360-608-2583**

**40' to 89' (No 70' available)
flat car and box car
bottoms available for
bridges, best prices. 360-426-
8386 fehorse@basicisp.net**

Threshold Financial
www.thresholdfinancial.net
888-280-9900

WANTED - PARTS CAT
Compatible with D6M
XL 1998
360-808-0330

V-16 Detroit parts motor,
International Inline 6, 8V71
Detroit Engine, Various
Detroit Parts
Please call 541-815-4991

TRADITIONAL RED

Clips or leather ends
available in size 46-50-54.

\$18.50
Pair
(U.S. Funds)

LOGGERS WORLD

P. O. Box 1631,
Chehalis, WA 98532

***Just fill in this coupon and mail your
IRONMart AD in today!***

Mail this form with payment to: PO BOX 1631, CHEHALIS, WA 98532 (approx. 15 words per column inch) **Please write legibly**

[illegible]

CROWLEY EQUIPMENT, INC.

(541) 688-5924 FAX: (541) 688-0704

MIKE (541) 954-7643 • ERIC (541) 206-2252 • DAN (541) 914-9222

4655 Cloudburst Way, Eugene, Oregon 97402



2012 Link-Belt 290X2,
11,300 Hrs.,
P.O.R.



2011 John Deere 2454D
W/Pierce 3348
7,600 Hrs.
\$225,000



(2) 1996 Diamond D210
\$250,000



**1995 Thunderbird
TSY255**

Tilt Cab, Cat
Engine,
Lohmann
Finals
Eagle
Carraige,
Radios.

**Trades
Welcome!**

LOG LOADERS

- 1997 CAT 322B
- 1995 CAT 330L W/(2)
PULLMASTER DRUMS
- 2013 DOOSAN DX300LL
- 2017 JOHN DEERE 909M
W/SOUTHSTAR FD750
- 2014 DEERE 2954D
- 2014 DEERE 3754D
- 2012 DEERE 2954D TONG
THROWER
- 2010 JOHN DEERE 2954D
- 2009 JOHN DEERE 2954D
- 2009 JOHN DEERE 2154D
- 2008 DEERE 2554
- 2008 JOHN DEERE 2054
- 2006 JOHN DEERE 2554
- 2005 JOHN DEERE 3554
- 2004 JOHN DEERE 2054
- 1993 JOHN DEERE 690E
- 2014 HITACHI ZX350
- 2006 HITACHI ZX200
- 2011 KOBELCO SK295
- 2006 KOBELCO SK210
- 2002 KOBELCO SK330
- 1999 KOMATSU PC250
- 2015 LINKBELT 350X2
- 2012 LINKBELT 290X2
- 2008 LINKBELT 210LX
- 2006 LINKBELT 210LX
- 2005 LINKBELT 240LX
- W/JEWELL TONG THROWER
- 2003 LINKBELT 370LX
- 2000 LINK-BELT 3400Q
- 1996 LINKBELT 3400Q
- 2015 MADILL 3800C
- 1996 THUNDERBIRD 1240
- 2017 TIGERCAT 880D
- 2015 TIGERCAT LS855C

PROCESSORS & DELIMBERS

- 2013 CAT 320D RB
W/WARATAH 622C
- 2007 CAT 325D LL
W/WARATAH 624
- 2001 CAT 330B LL
W/'01 WARATAH 624
- 2014 DEERE 3754D
W/WARATAH 625C
- 2011 JOHN DEERE 2454D
W/PIERCE 3348
- 2008 JOHN DEERE 2954D
W/2010 WARATAH 624C
- 2008 JOHN DEERE 2054
W/622B
- 2007 JOHN DEERE 2554
W/PIERCE 3348

PROCESSORS & DELIMBERS *Cont.*

- 2006 JOHN DEERE 2554
W/DM4550
- 2006 JOHN DEERE 2554 RB
W/WARATAH 622B
- 2004 JOHN DEERE 2554
W/DM4400
- 2002 JOHN DEERE 230LC
W/DM4400
- 2009 KOBELCO SK260
W/LOGMAX 7000XT
- 2006 KOBELCO SK290
W/WARATAH 622B
- 2012 KOMATSU PC200LC-8
W/LOGMAX 7000XT
- 2016 LINKBELT 4040TL
W/WARATAH 623C
- 2014 LINKBELT 290X2
W/WARATAH 624C
- 2012 LINKBELT 290X2
W/DM4550
- 2004 LINKBELT 240LX
W/PIERCE 3348
- 2003 LINKBELT 240LX
W/DM4400
- 2001 LINKBELT 3400LL
W/LOGMAX 7000
- 1997 LINKBELT 3400Q
WDM3500
- 2005 MADILL 2800B
W/WARATAH 622B
- FELLER BUNCHERS**
- 2016 CAT 552
- 2015 JOHN DEERE 643L
- 2013 JOHN DEERE 959K
- 2009 JOHN DEERE 959J
- 2013 KOMATSU XT450L-2
- 2009 TIGERCAT LX830C
- 2005 TIGERCAT L870
- 2005 TIGERCAT LX830
- 2010 TIMBCO 445FXL
- 2007 TIMBCO 425EXL
- 2006 TIMBCO T445EXL
- 2006 TIMBCO T425EXL
- 2003 TIMBCO T445E
- 2002 TIMBCO T425D
- 2011 TIMBERPRO TL735B
W/BARS AW
- 2011 VALMET 450FXL

SKIDDERS / DOZERS

- 2016 CAT 545D
- 2012 CAT 535C
- 2010 CAT 525C
- 2007 CAT 527
- 2005 CAT 527
- 2003 CAT 527
- 2003 CAT 525B W/ESCO
SWING BOOM

SKIDDERS / DOZERS *Cont.*

- 1999 CAT 525
- 1990 CAT D8N W/RIPPERS
- CAT D8H W/WINCH
- CAT D7F W/ESCO SWING
BOOM
- CAT 977L
- 2015 DEERE 1050K
- 2010 JOHN DEERE 848H
- 2006 JOHN DEERE 848G
- 1995 JOHN DEERE 550G
W/WINCH
- 1988 J D 550G W/RIPPERS
- JOHN DEERE 850 W/WINCH
- TIMBERJACK 380B
- CHIPPERS / GRINDERS**
- MORBARK 30RXL
- YARDERS**
- CHRISTY HD YARDER
- DIAMOND D210
- KOLLER K702 ON TRACKS
- (2) KOLLER K602'S
- KOHLER K501
- 1999 MADILL 172
- (2) MADILL 071
- (2) SKAGIT 739
- SKAGIT 737
- THUNDERBIRD 6170
- (2) THUNDERBIRD 6140
- (2) THUNDERBIRD TMY50
- THUNDERBIRD TSY-6240
- THUNDERBIRD TSY255
- THUNDERBIRD TY90
- THUNDERBIRD TY-40
- 1995 THUNDERBIRD TTY70
- EXCAVATORS**
- 2013 CAT 320D FM
- 2014 DEERE 2154D RB
- 2012 HITACHI 290
- 1996 HITACHI EX270
- 2003 KOBELCO SK210LC RB
- 2006 LINKBELT 370LX RB
- MISCELLANEOUS**
- 2007 CAT 140H
- CAT 977L
- EXC. HEEL/GRAPPLE
- 1995 JOHN DEERE 770BH
- 2006 KOMATSU WA450 -L5
- MEDFORD LOG FORKS
- 2001 TIMBERPRO TF820E
- 2014 QUADCO 24" HOTS AW
- 2006 VALMET 890.3
- 2007 WARATAH 624
- PARTING OUT**
- 2005 HITACHI ZX250 LL
- LINKBELT 210LX BOOM
- THUNDERBIRD TSY-155



2017 John Deere 909M
W/Southstar FD750, 1,400 Hrs.
P.O.R.



2014 Deere 3754D
w/Waratah 625C, 7,000 hours
P.O.R.



2015 Link-Belt 350X2
4,200 Hrs.
P.O.R.



2013 John Deere 959K
7,000 Hrs.
\$230,000

www.crowleyequipment.com



2016 Cat 545D
1,500 Hrs.
P.O.R.



2017 Tigercat 880D
700 Hours
P.O.R.



2013 Cat 320D,
W/Waratah 622B 7,500 Hrs.
P.O.R.



2009 Tigercat LX830C
Newer Undercarriage, 9,664 Hrs.
P.O.R.



2003 Cat 527
\$175,000

SHOW AND SELL

Send your Black and White or Color photo and a description of what you are selling (try to keep it within 20 words - 1 item per ad - No Business Names Allowed) and we'll publish it in Show & Sell for just \$125.00. Mail (or email to logworld@aol.com) your information to Loggers World LLC, P.O. Box 1631, Chehalis, WA 98532. Deadline is 5th of the month preceeding publication.

**6140 Thunderbird
Swing Yarder,**
all lines & rigging,
whistles, new gear
and bearings 18 mos
ago, Super Eaglet
Carriage ~~\$332,000~~
New Years
Special
\$312,000
(360) 470-1535



2012 Quadco 22B
S/N1099, All Cyls
rebuilt, new butt
plate, Saw Motor
Bench tested, new
shaft seal, new teeth.
Mint-No Cracks
7800Hrs
Call Kevin
250-565-5222



Man Camp for sale- Located in Ketchikan, AK. 53' Trailers- Kitchen, Dining Hall, Shower House and Bathroom, Water Treatment, Wastewater Treatment, Generator. Multiple Housing Units available.. Call Dave Horrax at 503-880-1146 or 503-678-1222 for details.

ADVERTISE

YOUR ITEM IN THIS SPACE

\$125⁰⁰

CALL 1-800-462-8283

SPECIAL DEAL:

Get your ad for

\$110⁰⁰ if you buy it
on our website:

www.loggersworld.com



2014 Hitachi Forester, Like New 2,462 Hrs,
2X370F Log Loader, 43' Log Loader Front, 66"
Young Grapples, UC Hi-Wide 9' 7" Gauge, Dual
Swing Motors, Long Life Zink Free Oil, OSHA
Certified Guarding, Rear Entry Cab, A/C,
Call Tim at (360)532-1485

nc

ADVERTISE

YOUR ITEM IN THIS SPACE

\$125⁰⁰

CALL 1-800-462-8283

SPECIAL DEAL:

Get your ad for

\$110⁰⁰ if you buy it
on our website:

www.loggersworld.com



1957 Caterpillar Motor Grader. 14' blade.
Motor runs great. Has water pump leak. \$2,500
No shipping available.
Call Steven 360-793-1888

ADVERTISE

YOUR ITEM IN THIS SPACE

\$125⁰⁰

CALL 1-800-462-8283

SPECIAL DEAL:

Get your ad for

\$110⁰⁰ if you buy it
on our website:

www.loggersworld.com



Cable Grapples, 11' wide by 14' high \$4,000
253-381 1791

Next Generation

(Continued from Page 30)

ground.

I love driving to work through mile after mile of healthy young trees, planted by private timber companies. Some of the timberland I'm logging now was logged by my Grandpa and his brothers in the 1940s! I am so proud to work for a landowner who is totally committed to reforestation and maintaining a healthy forest. I'm proud of our precious timber resource

and the commitment we all have made to care for it. Our industry has ensured that this precious resource will be here for the future. Our private forests are healthier and bigger than they've ever been. We now need to use the same energy and commitment to ensure that our most valuable resource, our skilled workforce, will be healthy, prospering, and growing.

Our industry has acted like loggers would always be here. But they aren't. Just like re-growing a healthy forest takes

effort on level of the industry, so will re-growing a skilled, younger workforce.

Our industry has successfully solved big problems many times. Look at how much safer the woods are now. Massive progress has been made, and is still being made. Every level of the timber industry has contributed to this; from the loggers on the ground right on up to the CEOs of timber companies. It took effort, it took careful planning, and it took extra money, but its made a huge

difference.

We'll never take all the uncertainty out of the woods; we deal with crazy weather, unpredictable markets and many other things beyond human control. But if everyone; contractors and timber companies alike are willing to come to the table and solve this problem, we'll make a difference. With more effort, careful planning, and more money in our guy's paychecks, we can certainly make the woods a great place to work.



COMING EVENTS

MARCH

15-17



REDWOOD REGION LOGGING CONFERENCE

REDWOOD EMPIRE FAIRGROUNDS
UKIAH, CALIFORNIA
FOR INFORMATION CALL: (707) 443-4091

16-17



WCLA ANNUAL MEETING
NORTHERN QUEST RESORT AND CASINO
AIRWAY HEIGHTS, WASHINGTON
FOR INFORMATION CALL: (800) 422-0074
Ext 103

APRIL

5-7



INTERMOUNTAIN LOGGING CONFERENCE & EQUIPMENT SHOW
MARIBEAU PARK HOTEL
& CONVENTION CENTER
SPOKANE VALLEY, WASHINGTON
FOR INFORMATION CALL: (208) 245-3425

25-27



OLYMPIC LOGGING CONFERENCE
FAIRMONT EMPRESS HOTEL
VICTORIA, BRITISH COLUMBIA
FOR INFORMATION CALL: (360) 202-7014

SEND EVENT NOTICES TO: Publisher, Loggers World Magazine, P. O. Box 1631, Chehalis, WA 98532-8425. Please include your event's symbol. Items used at discretion of the publisher.

Deadline for April 2018 issue: MARCH 7th.

Advertiser's Index

33

LOGGERS WORLD MARCH 2018

ACME MANUFACTURING.....	LOGGERS WORLD
.....13, 25	SUSPENDERS.....27
APPELO ARCHIVE CENTER ..28	MADSEN'S SHOP & SUPPLY,
AUTOMATED BIOMASS	INC.....6
SYSTEMS.....16	MONTANA TRACK CLAWS12
BLOUNT - OREGON CUTTING	MPI EQUIPMENT9
SYSTEMS.....17	N. C. MACHINERY Co.....3
CASCADE TRADER5	OLIVER HAMMER CLOTHES
CASHMAN EQUIPMENT3	SHOP7
CATERPILLAR3	OLYMPIC LOGGING
CC HEAVY EQUIPMENT INC..7	CONFERENCE.....22
COWLITZ RIVER RIGGING18	PACIFIC FIBRE PRODUCTS,
CROWLEY EQUIPMENT INC .31	INC.....7
CT MUSIC26	PAPAC ALASKA LOGGING29
DUKE'S EQUIPMENT.....21	PERSONS ENTERPRISES.....28
EAGLE CARRIAGE &	PETERSON.....3
MACHINE INC.8	REDWOOD REGION LOGGING
FEENAUGHTY MACHINERY	CONFERENCE.....23
Co.....15	ROTHENBUHLER
FRALEY TRACTOR, INC11	ENGINEERING20
FULL CIRCLE FINANCE6	SCHAEFER ENTERPRISES.....18
GEM8	SCHMUNK'S TIRE CENTER,
HIGH CASCADES AGENCY...23	INC.....21
HOLT OF CALIFORNIA3	SHOW & SELL.....32
INTERMOUNTAIN LOGGING	TERRY AKINS.....25
CONFERENCE.....22	TOWTEM ATTACHEMENTS....16
IRELAND, INC.....15	TRIAD MACHINERY10
KING AGRICULTURE	WALLINGFORD'S INC.12
MUSEUM20	WARATAH FORESTRY
LOCK & LUBE.....15	ATTACHMENTS2
LOGGERS WORLD	WASHINGTON CONTRACT
IRONMART.....30	LOGGERS ASSOC.29
LOGGERS WORLD	WESTERN STATES3
SUBSCRIPTION26	WHITE MOUNTAIN CHAIN...14
	ZENDER EQUIPMENT19

Rigging Shack

(Continued from Page 7)

thing out of that garage and laid it out on the lawn. Then we went in there and cleaned out the dust and other things and we had a clean and empty garage. We built some shelves and we painted and we cleaned up.

You can bet we were going to be particular about what we put in that garage. It wasn't to be a collecting shack for junk.

Then we went thru everything on the lawn and we decided which to keep, which to give away and which to throw away.

That which we decided to keep we moved back into the garage. We gave some of the stuff away and we hauled some of it to the dump. I learned a long time ago that it is smart to do this twice a

year. Whatever I haven't used during the past six months I strongly consider giving away.

This keeps the clutter from building up and up and up.

Twice each year, or oftener, I must do the same thing with my mind. I must say to myself, "What do you want to do with your time?" and "What are you now doing with your time?" and "Does this move you closer toward your goals?"

I always find that I'm doing things that are not important to my goals, things that I have agreed to do because I was asked to do it or things I do because other people are doing it and I joined with them.

So every once in awhile I must clean up my act and streamline the procedure and narrow down the job classification.

I got to clean out my mental garage and throw away the things that don't work. Because I am dedicated to doing those things that work, trying those things that might work and quitting those things that don't work.

In order to keep doing this I must clean out the garage and throw away all those things that don't work. I can't find out whether they work or not until I have some goals set and a plan for meeting those goals and then comparing my actions against that plan.

Then I can find out those things that don't work. I find out what they are, but just like the time we had all those belonging spread out on the lawn, we kept some things we didn't need and we gave away some things we did need.

That is why I keep trying. Because I've never done it right yet. I've never done the job as well as it can be done. I've never ran by business as well as it could be run. I've never learned as much as I should learn. I've never done as many things as I should do. I've never treated people as well as they should be treated. I've never been as good a friend as my friends deserve to have. I have never been as good a boss as my people deserve to have. I have never delivered as good a service to our customers as I should deliver.

I've got to keep trying----there is that itch to do better.

The biggest room in the world is in me. That is the room for my self-improvement.

I'm happy when I'm improving and achieving.

