Volume 40 Number 4



A quarterly newsletter from the

Forest History Association of Wisconsin, Inc.

P.O. Box 424 Two Rivers, WI 54241-0424

Winter 2016

Officers and Directors 2015—2016

Don Schnitzler (2017) President

301 S. Cedar Avenue Marshfield, WI 54449 (715) 387-4044

Schnitzler.donald@gmail.com

Bob Walkner (2017) Treasurer

3103 Maplewood Road Two Rivers, WI 54241 (920) 793-4010 anvils@charter.net

David Peschau (2017)

100 N. Sixth Street, #202 LaCrosse, WI 54601 (608) 788-7415 dpeschau@compuserve.com

Robert Brisson (2016)

N529 River Drive Menominee, MI 49858-9402 (906) 863-6850 rbrisson@new.rr.com

Visit the Forest History Association of Wisconsin website at:

www.chipsandsawdust.com

Sara Witter Connor (2016) Vice-president P.O. Box 366 Laona, WI 54541

Laona, WI 54541 (406) 249-7781

swcn6488sc@aol.com

Bridget O'Brien (2018) Secretary

1116 Ridge Road Marshfield, WI 54449 715-387-8897

bridgetaobrien@frontier.com

Michael Sohasky (2016) 1435 Neva Road

Antigo, WI 54409 (715) 627-4025

sohasky@frontier.com

Ed Forrester (2018)

2484 11¼ Street Cumberland, WI 54829 Ed@theforresters.net

James Romlein (2016)

1042 Richards Ave Watertown, WI 53094-5024 (920) 550-1042 jwr@r545.org

Forest History Association of Wisconsin members interested in serving as a member of the FHAW Board of Directors should submit their name, a brief biographical sketch, and contact information to:

FHAW Nominating Committee Chairman, David Peschau dpeschau@compuserve.com

Chips and Sawdust

Volume 40, Number 4

Table of Contents

From the President's Chair1pages 4
Call for Nominations Distinguished Service Awardspage 5
The Lake Shore and Eastern Logging Railroadpage 5
2016 Annual Meeting Announcedpage 6
New Member Welcomepage 6
That's All For Now—in the words of Arley Engelpage 6
2015 Fixmer Distinguished Award Presentationpage 6
Unmanned Aerial Vehicles (UAVs) for Land Managementpage 6
Justice Roujet Marshall—Part II-Forestry Unconstitutionialpages 8 - 9
1893 Chicago's World Fair—Forestry Departmentpages 10 - 13
Pinery Puzzler,page 13
Membership Applicationpage 14
Board of Directors and Committee Memberspages 2 & 15



Keep your mailing address up to date! Your e-mail address too!

Be sure to send both to membership chairperson Bob Walkner at

FHAW, P.O. Box 424, Two Rivers, WI 54241-0424 anvils@charter.net

Advantages:

- Faster delivery of Chips and Sawdust Newsletter
- Newsletter with full-color photographs
- Monthly electronic FHAW news brief, Woodchips



From The President's Chair

Dear friends,

I generally think of winter as a restful time - a time to curl up in front of the fireplace with a good book and a favorite beverage. This winter though there has been little time for rest for me or for the association. There just has been much to do.

Hoping to keep this short and sweet, but to still bring you up to speed, here are highlights of those activities in the recent months.

- New FHAW board member During the February board meeting Jim Romlein was elected to fill the open board position left by Tom Jacobs, whose three-year term ended at the 2015 annual meeting in Antigo. Jim attended the Antigo meeting, became an association member and expressed an interest in the open position. An experienced volunteer of different organizations he has brought new expertise and talents to our board. He will serve in this position until the next annual meeting, when our members will participate in regular board elections.
- Hall of Fame representative When Tom Jacobs stepped away from the board, we also needed to identify his replacement as the FHAW representative to the Wisconsin Forestry Hall of Fame Committee. Troy Brown, president of Kretz Lumber, has agreed to accept that responsibility.
- 2015 Annual Meeting videos recorded of presentations during our Antigo meeting have been edited and uploaded to a new Forest History Association of Wisconsin Youtube.com channel. The videos were published so that they are available to everyone for viewing. A counter records how many times each video is watched, and while they are being viewed, they are also the foundation upon which we are building the print Proceedings of the 40th Annual Meeting. That's still a work in progress. It isn't ready for printing yet, but the work is in progress.
- 2016 Annual Meeting the date is set for August 18 20, 2016 at Burlington, Wisconsin. Preliminary details are included in this newsletter along with the lodging information should you want to make your reservations early. Because of multiple tourist attractions in the area I do recommend making your reservations early, even though the block will be held until August 1st. My words won't do justice to the exciting opportunities we have waiting for us at Burlington, but I do believe Burlington, SENO and Old World Wisconsin promises for an exciting annual meeting. I hope you will join us.
- Membership Committee the committee met to discuss membership recruitment and retention for nearly three hours recently. It was a great conversation resulting in several pages of ideas. The committee will be meeting again to prioritize these ideas and make recommendations to the board for consideration. Your opinion matters, so I encourage you to share your thoughts and suggestions with me at any time.
- Scholarship Committee the FHAW Scholarship was announced in three states, Wisconsin, Michigan and Minnesota, and the first applications have been received for review.

As you see, it has been a busy few months. I hope that this message finds you well and looking forward to those annual spring time activities we all enjoy once the winter is behind us.

Best regards,

-- Don "Schnitz" Schnitzler

Call for Nominations — 2016 Distinguished Service Award

Do you know of an individual or organization that deserves to be recognized for their meritorious service or accomplishments in the field of forestry, forest history or other related activities? If so, submit your nomination to:

Don Schnitzler, 301 S. Cedar Ave., Marshfield, Wi 54449 or email: thefhaw@gmail.com

Nominations will be accepted until May 10, 2016

The Fixmer Distinguished Service Award is presented to an individual, and

The Connor Distinguished Service Award is presented to an organization

The Lake Shore and Eastern, A Logging Railroad in North-Central Wisconsin

A Call for Donations

A century past, lumber companies used steam-powered equipment to harvest vast forests that covered northern Wisconsin. Upon the demise of these companies, the once common sight of the logging railroad faded rapidly and little was remembered about these landscape changing operations among which the Lake Shore and Eastern Railroad at the headwaters of the Chippewa River was one of the most extensive and long-lived.

John L. Berg has compiled a thoroughly researched and well-paced narrative complete with stunning photographs and concise maps. The Lake Shore and Eastern, A Logging Railroad in North-Central Wisconsin will be an easily accessible and amply illustrated resource for students of the steam era short lines and for the general reader

of Wisconsin history. Those engaged in land use policy will find thorough documentation of the era.

The Price County Historical Society, Inc. is in the process of raising funds to have this already written work professionally published as a public service with no profit or income to John L. Berg. It will be distributed to specific public agencies, including relevant libraries and archives. Remaining copies will be sold with proceeds going to the Price County Historical Society, Inc. Those who desire to make a tax-deductible contribution to this publishing may send their donation to:

Price County Historical Society, Inc. W7213 Pine Street P.O. Box 156 Fifield, Wisconsin 54524-0156

Attn: LS&ERR Book Project

Projected publication is late June 2016, 8½ X 11 inches, 328 pages softcover, perfect bound

Forest History Association Announces 2016 Annual Meeting

The Forest History Association of Wisconsin (FHAW) is holding its 41st Annual Meeting on August 18 - 20, 2016, at The SENO K/RLT Conservancy, 3606 Dyer Lake Road, Burlington, Wisconsin. The theme for this year's meeting "Conservation, Land Preservation and Forest Management" is appropriate considering SENO's dedication to sustainable forestry, natural resources education, conservation and land preservation.

The annual meeting begins with an optional gathering Thursday evening at BJ Wentker's Historic Fine Dining in Burlington for cocktails, dinner and history presentation. Friday meeting events will be held at SENO. The morning presentations and tours will showcase resources available in southeastern Wisconsin as well as a discussion of the Emerald ash borers' impact on local woodlots. The afternoon talks focus on Wisconsin Forest History with a special presentation by John Berg, author of a new book, "The Lake Shore and Eastern Railroad, a Logging Railroad in North Central Wisconsin." A Friday evening Wisconsin Fish Fry at Docs on the Fox in Waterford ends the day long activities. Saturday plans include an option to visit Old World Wisconsin at Eagle.

The conference is open to all persons with an interest in Wisconsin's forests and natural resources. Final meeting details are being arranged now, to learn more about the 41st FHAW Annual Meeting as the plans develop, explore our website at www.chipsandsawdust.org, or visit our Facebook page at https://www.facebook.com/chipsandsawdust/

Full details in the next issue of Chips and Sawdust.

Lodging (15 rooms blocked) at



Baymont Inn and Suites-Waterford/Burlington 750 Fox Lane, Waterford, WI 53185

Rooms are \$99.00/night plus tax.

To make your reservation:
call the hotel directly at
262-534-4100
and mention
the Forest History Association.

Rooms blocked until August 1, 2016

Other area Hotels/Motel (no blocked rooms)

(no blocked rooms) Rainbow Motel

733 Milwaukee Ave Burlington, WI (262) 763-2491

Bristol Motel 4510 200th Ave Bristol, WI 53104 (262) 857-2396

Welcome New Members!

The FHAW would like to welcome the following new Members to our Association.

Troy Brown

Antigo, Wisconsin

Bob Kloes

Seymour, Wisconsin

David Nass

Green Bay, Wisconsin

Darrell Throop

Green Bay, Wisconsin

Scott Lyon

Green Bay, Wisconsin

That's All For Now From Engel's Little House on the Wheaton Prairie

In the words of Arley R. Engel

The book is a compilation of 51 articles written by Arley Engel for the Chippewa County Historical Society between 2002 and 2015.

Cost—\$10 plus \$5 postage (for 1 or 2 books) Order: Chippewa County Historical Society, 123 Allen St, Chippewa Falls, WI 54729





2015 Fixmer Distinguished Service Award Presentation

FHAW president, Don Schnitzler, presented the 2015 Fixmer Award to Arley Engel at the February 8, 2016 biannual membership meeting of the Chippewa County Historical Society. June Engel accepted the award for her late husband.

Unmanned Aerial Vehicles (UAVs) for Land Management



FREE CLASS at Seno K/RLT Conservancy

Land management requires skill, effort and time. Sometimes having a work crew to get the job done is just not possible.

UAV's (unmanned aerial vehicles or drones) are on the cutting edge of land management and forestry. They can allow you to work efficiently, accurately and more cost-effectively.

A UAV can take pictures, record video, aid with assessing vegetation coverage and a whole host of other important functions related to natural areas land management and forestry. Plus, it's fun!

Private land owners, land managers, foresters, land trusts and parks departments can benefit from this class.

The class includes an indoor portion as well as outdoor practicum.

Registration is required. To register, please call (262) 539-3222 or email nan@senokrlt.org

Seno is located at 3606 Dyer Lake Road (HWY P), Burlington WI 53105

Saturday, May 14th, 2016 9 a.m. – noon (First session) 1 p.m. – 4 p.m. (Repeat session) Space is limited. Call (262) 539-3222



Justice Roujet Marshall

Part II—Forestry Unconstitutional

By Ed Forrester March 2016

"On February 12, 1915, a decision was rendered by the supreme court of Wisconsin which brought dismay to a large group of Wisconsin citizens who believed that the State government should make an increasing effort to restore some of the forests that had been so ruthlessly destroyed in the latter half of the nineteenth century."²

In a recent article we introduced Roujet Marshall, as Frederic Weyerhaeuser's

STATE FORESTRY
LAND PURCHASES
HELD INVALID BY
SUPREME COURT

CONVENENTIAL TO A SECRETARY LAW UNCONSTITUTIONAL
SAYS HIGH COURT

MAY Upset Other
Important Low/S

WARRIEST NY PERFORM
WARRIE

State newspapers announced the Wisconsin Supreme Court Decision declaring most of the forestry statutes void. Wisconsin Div. of Forestry¹

lawyer during the late 1800's. Mr. Marshall has by 1887 become a justice on the Wisconsin Supreme Court, and is in 1915, the author of the 140 page court opinion declaring state forestry unconstitutional.

Clearly this was a death sentence for the energetic work of E.M. Griffith, the first State Forester for Wisconsin, in creating the fledgling state forestry program. Griffith later left the state for better employment, largely due to his loss it was almost a decade before Wisconsin got a second start in rehabilitating the cutover, burned over and frequently tax delinquent north.

This decision was the result of the case Owen v. Donald³—the case of the Wisconsin Attorney General versus the Wisconsin Secretary of State to resolve the questions of the constitutionality of the Forestry Law.

As background to this story it is important to note that five years before this court decision, the issue had been addressed by the legislature, and the citizens of the state in a constitutional amendment. "In the general election of November 1910, a constitutional amendment was approved by a statewide vote of 62,406 to 45,874." However, due to sloppy work in the legislative process, Justice Marshall and the Supreme court found a technical reason to brush aside the will of the electorate.

After disposing of the "flawed" constitutional amendment, the court found that the Forestry Laws were unconstitutional for to two primary reasons; First, that forestry laws were in violation of the constitutional provision prohibiting works of internal improvement, and second, that there had been an unlawful taking of Educational Trust Funds. A brief and superficial discussion of each of these findings follows.

PROHIBITION OF WORKS OF INTERNAL IMPROVEMENT
 In this instance Mr. Marshall and the court seem to have hung their hats on

an earlier court decision that found state support of levees along the Wisconsin River at Portage to be unlawful. Interestingly, at this same time the constitution did allow highway construction, as well as pass through grants of land from the federal government to the state, which were then handed out to projects such as the Fox River Improvement, many Railroads and the Sturgeon Bay Ship Canal.

Perhaps the internal works issue was added to the decision to satisfy a political constituency, which was active in the north, and in the legislature.⁵

At first, a reader may wonder if this portion of the decision was a result of Justice Marshall's work with Frederic Weyerhaeuser, and was done to protect some perception of lumbering interests. However, we find that Mr. Weyerhaeuser was donating land to the state for creation of the Brule River State Forest at about the state time as this decision was rendered. So a Weyerhaeuser influence is unlikely.

It is more likely, that the continuing attitude among some Wisconsinites, particularly in the north, that all economic and social efforts should be private sector based reflected Justice Marshall's basic philosophy of life.

2) VIOLATION OF THE EDUCATIONAL TRUST FUND

In relation to this issue, the court had it right! Wisconsin had obtained large grants of land from the federal public domain, to develop and maintain education in the state. The land, and the money resulting from the land sales, was to be put into a special trust account for schools. A trust account is to be inviolate, and held only for the purpose named.

However, with legislative approval and under state law, land had been taken from the federal grants to support education, plus monies had been appropriated from the Educational Trust fund to purchase land for forestry. In this part of the case there is no wiggle room, as the state constitution demanded that these monies, and the land, be held in TRUST for education. For this great error, the court demanded that the state make the Educational Trust whole, which resulted in about 2 million dollars being added to the trust fund.

We end this article with the state having no forestry program. But, as Paul Harvey was famous for saying, there is Page 2. We will conclude this series on Justice Marshall, and the crisis in forestry, in the next issue of Chips and Sawdust!

Citations

- Wisconsin Department of Natural Resources: E.M. Griffith and the Early Story of Wisconsin Forestry (1903-1915), 1982
- W.A. Titus, Two Decades of Wisconsin Forestry, Wisconsin Magazine of History, Vol 30, No 2, Dec 1946. P-1
- 3. State ex rel Owen v. Donald, Wisconsin Reports, Volume 160
- 4. Wisconsin Department of Natural Resources: E.M. Griffith and the Early Story of Wisconsin Forestry (1903-1915), 1982, p-32
- Wisconsin Legislature Report of the Wisconsin Special Legislative Committee on Forestry of the Senate and Assembly, 1915, Introduction

From the Archives

1893 Columbian Exposition The Chicago World's Fair

Excerpts from:

The Official Directory of the World's Columbian Exposition, May 1st to October 30th, 1893: A Reference Book of Exhibitors and Exhibits, and of the Officers and Members of the World's Columbian Commission (pages 1107 –1114)

Department N—Forestry

The forest resources of the world are exhibited in the Forestry Building, which is one of the most interesting and unique structures on the arounds. It is made of wood and has a colonnade composed of tree trunks sent from almost every state in the Union. For instance: Arkansas furnished pine, white oak, red oak and sassafras; California, sugar pine, redwood and trunks of the hicory, huckleberry, sycamore and walnut; Delaware, red cedar



Forestry Building, Chicago's World Fair, 1893

white oak and white ash; Kansas, burr oak, hickory, huckleberry, sycamore and walnut; Minnesota, white pine, sugar maple. ash, oak, cottonwood, spruce, box cedar, tamarack and elm; Wisconsin, pine, white oak, basswood, elm, birch and spruce. Vestibules of yellow pine, artistic in design and erected by the Southern Lumber Manufacturer's Association has been constructed at the main eastern entrance. It is located in the southeastern portion of the grounds and its dimensions are 200 by 500 feet, with a central height of sixty feet. Surrounding the building is a spacious portico sixteen feet wide, each of the columns of which is formed of three trunks in their natural state contributed as stated above by the various States, Territories and Canada, illustrating their characteristic woods. Each trunk contains a tablet on which is engraved the name of the tree, the name of the State, Territory or Province, furnishing the same and an estimate when furnished of the quantity of such timber standing thereon. The sides, window frames and roofs present a rustic appearance, and flagstaffs bearing flags of various foreign governments are on all sides of the building.

The exhibits comprised in group 19 of thee official classification embrace a variety of forest products including samples of wood and timber; ornamental woods, dye-woods, bark and vegetable substances; gums and resins; medicinal roots and herbs; wood pulp, paper and wooden ware; seed collections; statistics of the lumber trade and of forestry, etc. The whole being of great interest to visitors.

Forest and Forestry Department Classification

Group 19 Forestry, Forest Products

- Class 99: Logs and sections of trees; samples of wood and timber of all kinds generally used in construction to manufactures, either in the rough or hewed, sawed or split, including square timber, joists, scantling, plank and boards of all sizes and kinds commonly sold for building purposes. Also ship timber, as used in ship-building, or for masts and spars, piles, timbers for fencing, for posts, for paving or for timbering mines. Miscellaneous collections of wood.
- Class 100. Worked timber or lumber, in form of clapboards, shingles, sheathing or flooring casings, moldings, stair rails or parts of furniture.
- Class 101: Ornamental wood used in decorating and for furniture; veneers of hard and fancy woods; mahogany logs, crotches and veneers; rosewood; satin-wood, ebony, birds-eye maple, madrona, black walnut veneers and other fancy woods suitable for, and used for ornamental purposes.
- Class 102: Timber prepared in various ways to resist decay.
- Class 103: Dyeing, tanning and coloring—dye-woods, barks, and various vegetable substances in their raw state, used for dyeing and coloring, such as logwood, Brazil wood, peach wood, fustic, sumac.
 - Barks of various kinds, Brazilian, acacias, oak, hemlock, murici, bicida, gordonia, Galls, excrescences and abnormal wood products. Mosses used for dyeing and coloring.
- Class 104: Cellular substances—corks and substitutes for cork of vegetable growth, porous woods for special uses, pith, rice-paper, etc.
- Class 105: Lichens, mosses, pulu, ferns and vegetable substances used for bedding, for upholstering, or for mechanical purposes, as teazles, Dutch rushes, scouring grass, etc., "Excelsior."
- Class 106: Gums, resins, vegetable wax or tallow wax, including caoutchouc, gum, senegal, tragacanth, Arabic, mesquite gum, myrrh, copal, etc.
- Class 107: Seeds and fruits, for ornamental purposes; vegetable ivory, coquilla nuts, cocoa-nut shells, ganitrus beads, bottle gourds, etc.
- Class 108: Medicinal roots, herbs, barks, mosses, berries, etc., Miscellaneous products.
- Class 109: Wood pulp for making paper and other objects.
- Class 110: Paper and wooden ware generally, as pails, tubs, platters, brooms, cooper's stock.
- Class 111: Basket industry—willow ware, etc.
- Class 112: Rattan, bamboo and cane work in part (For rattan furniture, see also group 90).
- Class 113: Forest botany— distribution of forests, of genera, of species (maps) Wood sections and herbarium specimens of the economically important timber trees.
 - Seed collections, not herbarium, etc.
 - Illustrations of forest growth, typical trees, botanical features.
 - Anatomy and structure of woods (Veneer sections and photo micrographs) Diseases of forest trees and timber. Injurious insects.

Class 114: Timber culture—plant material—Conifers, seedlings, and transplants.

Broad-leaved trees. Seedlings, transplants of various sizes, cuttings.

Seed collections and means for storing seed.

Means employed in gathering and preparing seed and other plant material for the market, and seed testing.

Class 115: Timber culture and cultivation—Implements for the cultivation of the soil. Special adaptations.

Sewing machines and tools

Implement and machines used for planting

Implements used in after-culture. Means of protection against insects, animals, climate.

Seed-beds and other graphic illustrations of nursery practice.

Class 116: Forest management—maps, plans, illustrations, calculations illustrating forest management.

Instruments for measuring standing timber.

Growth of different ages and soils. Graphic or other illustrations showing rate of growth. Graphic or other illustrations showing influence of various managements on tree-growth.

Statistics of lumber trade and forestry.

Exhibits showing relation of forest to climate.

Literature and educational means.

Class 117: Lumbering and harvesting of forest products. The lumbering industry. Logging and transportation. Implements, machines, plans, drawings, and statistical material. Loggers' tools. Stump-pulling devices, marking devices, measuring tools. Loading devices, sleds, flumes, slides, rope tramways, railroads, methods of water transportations, rafts, booms, etc. The tan-bark industry. Other barks.

The turpentine industry.

The charcoal industry.

Class 118: Preparation and management of lumber. Dressing, shaping and preparation of wood. Hewing of logs, spars, etc. Shaping of knees. Sawing and milling.

Drying and seasoning of wood, kiln-drying, steam-bending, etc.

Wisconsin Exhibitors

(Name, Residence. Item(s) displayed, Class)

- 1. Allen, J.P., South Superior. Balm of Gilead, (99)
- Barkham, Mr., Kingville. Sand bar willows, (99)
- Batchellar, N.A., Black River Falls. Native woods, (99)
- **4. Callaghan**, **J.J.**, Burlington. Black walnut, (99)
- Calligan, R.W., Langdale. Silver birch, balsam fir, hemlock, spruce (99)

- **6.** Capen, R.W., Black River Falls. Black Oaks (99)
- 7. Chapman, H.S., Dedham. Red Spruce (99)
- Coons, H.B., Potosi. American crab, shellbark hickory, box elder, mulberry (99)
- Damman, C., New Holstein.
 Speckled alder, June Berry, scarlet thorn, prickly ash (99)
- Davis, Mrs. H., Irving. White oak, blackberry (99)
- 11. Duncan, Brewer & Co., Dedham. Aspen. (99)

- **12. Goodyear Lumber Co.,** Tomah. Yellow Norway pine (99)
- **13. Greve H.C.**, New Holstein. Rough beech, basswood and elm (99)
- Hayssen, H.H., New Holstein. Basswood, hard maple freaks, (99)
- **15. Hitl, D.,** New Holstein. Hyslop crab (99)
- **16. Humke, J.,** Greenwood. soft maple (99)
- 17. Hunt, W.H., Potosi. Black locust (99)
- **18. Kimball & Clark**, Kimball. Black ash, hemlock, black birch (99)
- **19. Kinan J.,** Thienville. Pignut and shell bark hickory (99)
- Lea, Ingran Lumber Co., Iron River. Red Norway, Yellow Pine (99)
- **21. Lewis, G.H.,** Potosi. River cottonwood, (99)
- **22. Limmer, H.,** New Holstein. Silver poplar (99)
- **23. Limmer, J.,** New Holstein. Butternut hickory (99)

- **24. Meek, B.J.,** Black River Falls. Hickory pine (99)
- **25.** Mills, H.B., Black River Falls. White oak (99)
- Montreal River Lumber Co., Gila. White pine (99)
- **27. Ostebeih, L.,** Chilton. Burr, white and black oak, bastard elm (99)
- **28. Paulson, E.,** New Holstein. Beech (99)
- **29. Paulson, J.,** Charlestown. Black cherry (99)
- Plega, H., Butternut. Tamarack, yellow birch (99)
- 31. Regan, D., Chilton. Rock maple, (99)
- Ryan, D., Chilton. Hickory, butternut, (99)
- **33. Sinart, Geo.**, Butternut. Water and Rock elms (9)
- **34. Smart, H.S.**, Butternut. Ironwood, basswood (99)
- **35. Spaulding, D.J.,** Black River Falls. Cockspur thorn, (99)
- **36. Upham, W.H.**, Marshfield. White ash, red elm (99)

PINERY PUZZLER

Assume you are in a logging camp in 1880. In front of you are two sleighs, each one is loaded with 10,000 board feet of white pine logs. On **sleigh A** all the logs are 12" in diameter on the small end, on **sleigh B** all the logs are 22" in diameter on the small end. All the logs are 16' in length and of uniform taper.

Which sleigh weighs more? And why? - Here's Ed's Answer!

Thanks to all the folks who took a crack at this puzzler. Some came real close. But the answer is that the sleigh with the smaller logs would weigh more. This is because there is more usable wood in a large log than in a small one, and that small logs have more slab wood, or waste wood, per 1,000 board feet (MBF) than do large ones.

The Timber Management Field Book, USDA- Forest Service, NA-MR-7, Page-2.14, provides the following approximations for our use.

12" White Pine Weight per MBF = 9,000 pounds 22" White Pine Weight Per MBF = 5,000 pounds

From this you will see that the load of 12" logs weighs approximately 90,000 pounds, whereas the load of 22" logs weighs approximately 50,000 pounds.

Thanks for giving the puzzler a shot!

Ed Forrester

Forest History Association of Wisconsin, Inc.

Membership Application

Please enroll me as a member and participant in the Association's program of developing the educational and historical aspects of Wisconsin's forestry and logging industry. Attached is payment for:

Student Membershin (\$10.00)

	Ctadont momboromp (Ψ.σ.σσ,		
	Individual Membership	(\$20.00)		
	Family Membership (\$30.00)			
	Non Profit Organization Membership (\$30.00)			
	Corporate Membership (\$55.00)			
	Individual Life Membe	rship (\$250.00)		
\$	Student Awards Capital Fund Operations		*	
T			=	
Name				
Address				
City		_ State	Zip	
Phone Number				
E-mail Address				
Detach and mail this application with payment to:				
Forest History Association of Wisconsin, Inc. P.O. Box 424				

Two Rivers, WI 54241-0424

41st Annual Conference Committee

Don Schnitzler Jim Romlein

<u>Membership</u>

Bob Walkner 3103 Maplewood Road Two Rivers, WI 54241 (920) 793-4010 anvils@charter.net

Scholarship & Distinguished

Service Awards

Michael Sohasky 1435 Neva Road Antigo, WI 54409 (715) 627-1025 sohasky@frontier.com

Newsletter

Don Schnitzler
301 S. Cedar Avenue
Marshfield, WI 54449
schnitzler.donald@charter.net

Publicity Committee

David Peschau
W5733 Sherwood Drive
LaCrosse, WI 54601
dpeschau@compuserve.com

FHAW Website

Dan Giese

976 Coppens Road

Green Bay, WI 54303-3865

(920) 497-8236

dgiese8028@aol.com

Annual Proceedings Editor

Don Schnitzler

Forestry Hall of Fame Representative

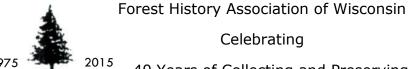
Troy Brown
Troy.Brown@kretzlumber.com

Auction Committee

Archives

Exhibits

Don Schnitzler



40 Years of Collecting and Preserving Wisconsin Forest History



Forest History
Association of Wisconsin, Inc.
P.O. Box 424
Two Rivers, WI 54241-0424