

CENTRAL HARDWOOD CONFERENCE

TUESDAY

6:00 - 8:00 PM ICEBREAKER AND REGISTRATION sponsored by _____

WEDNESDAY

7:30 - 9:30 AM REGISTRATION

8:15 - 8:30 WELCOME AND ANNOUNCEMENTS

PLENARY

8:30 - 9:15 AM Changing markets and their impact on forestry in the future. Tom Inman, President, Appalachian Hardwood Manufacturers, Inc.

9:15 -10:00 Thoughts on the future of forestry. Ann Bartuska, Resources for the Future

10:00 -10:30 BREAK

CONCURRENT SESSIONS

	ROOM 1	ROOM 2
10:30 -11:00	William H. McNab Eighty-five years of stand development after the silvicultural clearcutting of a high-graded, mixed hardwood stand in the southern Appalachians	J. Davis Goode, Justin Hart, Daniel Dey, Scott Torreano and Stacy Clark The influence of canopy disturbance on spatial patterns of shortleaf pine in a mixedwood forest
11:00 - 11:30	Brooke Gauthier, John Lhotka, Clinton Patterson and Jeffrey Stringer Regeneration Patterns Following Silvicultural Gap Establishment in Oak-Dominated Stands of the Northern Cumberland Plateau	Hope Fillingim and Benjamin Knapp Sprouting dynamics of shortleaf pine and oak regeneration following prescribed fire in the Missouri Ozarks
11:30 -12:00	Randall Morin, Mark Nelson, Greg Liknes, Thomas Goff and Kadonna Randolph Examining the susceptibility of Central Hardwood forests to disturbance in the central U.S.	Mary Beth Adams, Charlene Kelly and Jacob Kemner Conversion of an Appalachian Hardwood Forest to a Norway Spruce Plantation: Effects on Ecosystem Processes and Function
12:00 - 1:00	LUNCH	

1:00 - 1:30	Lance Vickers, Alejandro Royo, Susan Stout, Lauren Pile Knapp, Benjamin	Rise and Fall: Evaluating the extent and magnitude of regeneration successes and failures for black cherry and sweet birch in the Alleghenies and beyond	Marcella Windmuller-Campione, Laura Reuling, Molly Van Appledorn, Andrew	Re-defining the scale of forest management units in the Upper Mississippi River floodplain
1:30 - 2:00	Todd Ristau	Sweet birch development on the Allegheny Plateau: can we expect saw-timber trees in the mature forest?	Andrew Meier	Assessment of Historic Upper Mississippi River Forests to Inform Management into the Future
2:00 - 2:30	Peter Williams	Soil-Site relationships with heartwood/color formation in sugar maple	Brian Roy Lockhart, Chadwick D. Oliver and W. K. Clatterbuck	How Stand Development Patterns in Central Hardwood Forests Influenced Mixed Species Planting Prescriptions in Southern Bottomland Hardwoods
2:30 - 3:00	Zachary Hackworth, John Lhotka, Thomas Ochuodho and Billy Thomas	Informing Kentucky's Current and Future Maple Syrup Producers: Tree-Level Evaluation of Sugar and Red Maple Sap Production Parameters	Isaac Hayford, Benjamin Knapp, Megan Buchanan and Brad Graham	Effects of Silvicultural Release and Environmental Conditions on Oak Regeneration in Northern Missouri Bottomland Forests
3:00 - 3:30 BREAK				
3:30 - 4:00	Callie Schweitzer, Michael Heyn, Owen Williams and Darko Veljkovic	Creating Woodland From Scratch: Intensive Management Used to Craft a Unique Forest Ecosystem	William Luppold and Matthew Bumgardner	U.S. Hardwood Lumber Exports: Changing Markets, Prices, and Roles in the Domestic Industry
4:00 - 4:30	Patrick Brose, Gary Miller and Kurt Gottschalk	Occurrence of oak stump sprouts in Pennsylvania and their fate in the post-harvest environment	Kathryn Gazal and Joseph McNeel	Economic Contribution of the West Virginia Forest Products Industry: Impact of the COVID-19 Pandemic
4:30 - 5:00	Trystan Harpold and Benjamin Knapp	Uneven-aged Management in the Missouri Ozarks: Effects of Stocking and Site Condition on Oak Regeneration and	Jeff Lee, David McGill, Joeseoph McNeel and Kathryn Gaza	Exploring successful timber transactions in West Virginia
5:00 - 6:00	POSTER SESSION			
6:00 - 8:00	BANQUET			

THURSDAY

7:30 - 9:30 AM REGISTRATION

CONCURRENT SESSIONS

ROOM 1

8:00 - 8:30 Gaurav Dhungel, Thomas Ochuodho, John Lhotka and Jeffrey Stringer Sustainability of White Oak Timber Supply in Kentucky

8:30 - 9:00 Philip Vogel, John Lhotka and Jeffrey Stringer Long-term effects of crop tree release on growth and quality in white oak dominated stands

9:30 - 10:00 Zachary Hackworth, Rachel Thunder, John Lhotka, Jian Yang, Dana Nelson and Albert Abbott Investigating Thinning Effects on Genetic Diversity of White Oak (Quercus alba) Populations in Upland Quercus-Dominated Forests of the Northern Cumberland Plateau

10:00 -10:30 Break

10:30 -11:00 Gaurav Dhungel and Thomas Ochuodho Economy-wide Impacts of Projected White Oak (Quercus alba) Timber Supply in Kentucky

11:00 - 11:30 Stacy Clark, Scott Schlarbaum, Callie Schweitzer, Tara Keyser, Arnold Saxton Planted white oak (Quercus alba) and natural regeneration response to even- and uneven-aged silviculture in the Ridge and Valley ecoregion of Tennessee

ROOM 2

Emily Reams, Mariah Slaughter, John Dzemyan, Brad Nelson and Alejandro Royo The Kinzua Quality Deer Cooperative: balancing white-tailed deer populations and their browsing impacts across twenty years of local land stewardship.

Emily Locke, Matthew Marsh, Matthew O'Brien, Emily Reams, Todd E. Ristau and Alejandro A. Royo Deer browsing effects on herbaceous layer diversity following shelterwood harvests.

Melissa Thomas-Van Gundy Diameter growth and survival of American chestnuts and two hybrids in West Virginia

Dacoda Maddox, Ben Knapp, Lauren Pile, John Kabrick, Daniel Dey and Chris Newbold Oak Woodland Ground Flora Composition Restoration in a Recently Thinned, Degraded Oak Woodland

Tara Keyser and Jason Rodrigue Evidence that past thinning affects structure, composition, and function of the forest understory in temperate deciduous broadleaved forests of the eastern US

11:30 -12:00	<p>Lance Vickers, Benjamin Knapp and Daniel Dey</p> <p>Do forest health issues in oak forests accelerate compositional shifts to non-oaks?</p>	<p>Lauren Pile Knapp, Rebecca Snell, Lance Vickers, Todd Hutchinson, John Kabrick, Michael Jenkins, Brad Graham</p> <p>The 'other' hardwood: Growth, physiology, and dynamics of hickories in the Central Hardwood Region, USA</p>
12:00-1:00	Lunch	
1:00 - 1:30	<p>Emily Babl-Plauche, Heather Alexander, Courtney Siegert, John Willis and Andrew Berry</p> <p>Mesophication of upland oak forests: implications of species-specific differences in leaf litter decomposition rates and fuel bed composition</p>	<p>John Kabrick, Shaneka Lawson, James Warren, Douglas Wallace, Dylan Beaudette and Samuel Indorante</p> <p>New digital soil tools available for forest scientists and managers</p>
1:30 - 2:00	<p>Sian Eisenhut and Kirsten Stephan</p> <p>Nitrate assimilation by maples and the herbaceous layer in a Central Appalachian hardwood forest</p>	<p>Benjamin Knapp, Calvin Maginel, Bradley Graham, John Kabrick and Dan Dev</p> <p>Does frequent landscape-scale burning inhibit tree recruitment in Central Hardwood forests?</p>
2:00 - 2:30	<p>Caroline Sharpe, Thomas Coates, John Fry, Melissa Thomas- Van Gundy, Janice Wiedenbeck and David Carter</p> <p>Prescribed Fire Effects: Emphasis on Wood Quality in the Appalachian Mountains</p>	<p>Shaylan Anderson and Shawn Grushecky</p> <p>Effects of Biochar and Biochar & Compost Blends as a soil amendment in stream restoration tree plantings</p>
2:30 -3:00	<p>Sarah A. Cuprewich, Michael R. Saunders and Ryan B. Stephens</p> <p>Mycorrhizal hypogeous fruiting body spore abundance and community compositional response to the use of prescribed surface</p>	<p>Bobby Thapa and Thomas Ochuodho</p> <p>A Regional Predictive Model for Maple Syrup Production in United States</p>
3:00 - 3:30	<p>Matthew Marsh, Bryce Adams, Todd Ristau and Jamie Schuler</p> <p>Growth projections in SILVAH 7.0: Do they measure up?</p>	<p>Jamie Schuler and Matthew Marsh</p> <p>18 Years of Stand Development After Fencing and Fertilizing: a Newly Clear-cut Appalachian Hardwood Stand</p>