Chestnut Chat Series Chat Room
Chat 32: Evolution of the Castanea Genus
January 21, 2022

Name	Comment
John Hempel:	I don't see who all is on here today. Should I hunt for something to click on?
Cherin:	https://acf.org/resources/chestnut-chat-series/
Marty jessel:	was there a chance to buy chestnut saplin
Cherin:	Today marks 32 since starting Chestnut Chats!
Hill:	Hello everyone!
Robbie Shaw:	AWESOME !!!
Evelyn Odle:	Hello all !
Evelyn Odle:	Hello all !
Sara Fern Fitzsimmons:	Hi Evelyn!
Lisa Thomson:	Hi Robbie!
Doug Gillis:	Where do you purchase Don Davis's recent book?
Paul Sisco:	Amazon.com
Lisa Thomson:	You can also order it from indie bookstores, just to plug them. I believe Malaprops in Asheville can order it but not 100% sure.
Lisa Thomson:	Hopping off for another call, everyone. Thanks so much for coming and I'll see you in a month for CC#33!
David Miller:	Better so far
Jason Smith (he/him NYRP):	sounds good!
Henry McNab:	Much better
Roger Latham:	Much better!!!

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McCoy:	fixed
Paul Sisco:	It's better now
Steven Boyce:	It's better with headphones
Fred Behringer:	better for me
Joel:	Improved! Sounds good.
Bill:	better
stevehillis:	much better
John Hempel:	If you don't wind up mentioning it, which came first - oaks or chestnuts?
stevehillis:	what was the town in TN again
Sarah C:	What is a trichome?
Mike Aucott:	During the Eocene, the world was very likely tropical from pole to pole.
Robbie Shaw:	interesting how so many fossils are out of the range we are focused on....its really stunning to think that the range is truly across the country.
Sara Fern Fitzsimmons:	Hi Sarah C - A trichome is a specialize hair-like structure on leaves.
Sara Fern Fitzsimmons:	Hi Sarah C - A trichome is a specialized hair-like structure on leaves.
Sarah C:	Thanks sara
Sara Fern Fitzsimmons:	Most chestnut species have specific-looking trichomes. Americans look like hot-cross buns. Chinese are stalked. Japanese are 6-celled wagon wheels, etc.
Sara Fern Fitzsimmons:	If they show up, they're great morphologically diagnostic features. But they don't always show up, and hybridization messes with all that, too.

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Sara Fern Fitzsimmons:	Arcto-Tertiary Geoflora - I have a new word to work into daily conversation :)
beebe:	The voice just went wonky again but now good again.
beebe:	a little wonky again
William Hamersky:	Great presentation Taylor!
Tetyana Zhebentyayeva:	Additional arguments for Eastern Asian origin of the Castanea: In Eastern Asia there are ~140 species that belong to sister genus Castanopsis (represented by subtropical species mainly)
John French:	Early Woodland cultures of native American populations may have been important vectors of Castanea spp. within the N. American continent, just as they were for Carya illinoensis (pecan). Human trade routes from the lower Mississippi River basin all the way into New England were quite highly developed, as may have evolved over the past 10 thousand years.
Jason Smith (he/him NYRP):	Thanks for the great presentation!
Sandra Anagnostakis:	Great job, Taylor!
Cherin:	What a fascinating chat Taylor. Thankyou so much !
John French:	Might be useful to study the evolutionary history of the chestnut blight pathogen (Cryphonectria parasitica) vs. that of its hosts, i.e. differentiate the genomic composition of the (resistant) Castanea mollissima vs. the (susceptible) N. American species. A potential product of such investigation could be to discern the biochemical mechanism of blight resistance, thus provide us a blight resistance screening tool.
Paul Sisco:	Taylor might want to emphasize the difference between the northern and southern dentata groups.
Jared Westbrook:	New genomic data suggest mollissima is 13 million years old
Jared Westbrook:	North American species 25 million years old.

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Jared Westbrook:	In line with split between Greenland and North American.
Connor McInerney:	How did you go about finding C. alabamenisis trees? Were these well documented sites or did you have to find them yourself? Public land? Private?
Jared Westbrook:	Could the Castanea species once been one population?
Connor McInerney:	Thank you so much! What was that trail name again? Pinhoti?
becky carter (she/her):	Could Taylor's slide deck please be made available?
Brad Price:	Super interesting Chat! Thank you!
Daniel Schadler:	Outstanding presentation!
Steve Cronkite:	Thank you for this really interesting presentation!
Stephen Bost:	Very interesting, Great Job Taylor!
Steve:	Engaging and terrific
becky carter (she/her):	Excellent!!!
Erik Carlson:	Great work Taylor I learned a lot
Dan Ross:	Excellent presentation, truly wonderful!
Virginia Chapter American Chestnut Foundation:	Excellent! Thanks
Rod Walker:	Fascinating!!
Jamie Van Clief:	Very informative. Thank you
David Deaville:	Thank You! Learned a lot...
janisboury:	Thank you

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Connor McInerney:	Thanks Taylor!
John Hempel:	Outstandng!