

## BRIEF COMMUNICATION

### forest ecology

- 1021 Calculation of a Growth Dominance Statistic for Forest Stands  
*P.W. West*
- 1024 Attack by *Platypus quercivorus* Enhances Diameter Growth of Surviving *Quercus serrata*  
*K. Hata, N. Iwai, and H. Sawada*

## FUNDAMENTAL RESEARCH

### biometrics

- 1029 Toward Robust Estimation of the Components of Forest Population Change  
*F.A. Roesch*
- 1050 Prediction Bias Induced by Plot Size in Forest Growth Models  
*D. Sambakhe, M. Fortin, J.-P. Renaud, C. Deleuze, P. Dreyfus, and N. Picard*

### fire & fuels management

- 1060 Effects of Topographic Features on Postfire Exposed Mineral Soil in Small Watersheds  
*M. Dobre, J.Q. Wu, W.J. Elliot, I.S. Miller, and T.B. Jain*

### genetics & tree improvement

- 1068 Genetics and Silvicultural Treatments Influence the Growth and Shoot Winter Injury of American Chestnut in Vermont  
*T.M. Saielli, P.G. Schaberg, G.J. Hawley, J.M. Halman, and K.M. Gurney*

### harvesting & utilization

- 1077 Effects of Energy Wood Harvesting on Timber Production Potential and Biological Diversity in North Karelia, Finland  
*L. Kärkkäinen, M. Kurttila, O. Salminen, and H. Viiri*

### operations research

- 1089 Temporal Connectivity of Mature Patches in Forest Planning Models  
*N. Kinnäy, S.F. Tóth, M.E. McDill, and B. Rajasekaran*

### silviculture

- 1100 Salvage Logging by Indigenous People in a Chilean Conifer Forest  
*C. Smith-Ramírez, V. Maturana, A. Gaxiola, and M. Carmona*
- 1107 Modeling and Mapping Oak Advance Reproduction Density Using Soil and Site Variables  
*J.M. Kabrick, J.L. Villwock, D.C. Dey, T.L. Keyser, and D.R. Larsen*

### soils & hydrology

- 1118 Effects of Geoclimatic Factors on Soil Water, Nitrogen, and Foliar Properties of Douglas-Fir Plantations in the Pacific Northwest  
*K.M. Littke, R.B. Harrison, D. Zabowski, D.G. Briggs, and D.A. Maguire*
- 1131 Ecosystem Nutrient Retention after Fertilization of *Pinus taeda*  
*T.J. Albaugh, L.C. Kiser, T.R. Fox, H.L. Allen, R.A. Rubilar, and J.L. Stape*

biometrics

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- 1140 Site-Specific Douglas-Fir Biomass Equations from the Siskiyou Mountains, Oregon, Compared with Others from the Pacific Northwest

*S.M. Nay and B.T. Bormann*

- 1148 Ten-Year Periodic Diameter Model for Uneven-Aged Ponderosa Pine Stands in the Southwest Reduces Long-Term Error Propagation

*M. Petrova, J.D. Bakker, and E.C. Turnblom*

forest management

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- 1156 Comprehensive Methods for Earlier Detection and Monitoring of Forest Decline

*J. Ponsius and R. Hallett*

silviculture

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- 1164 Evaluating Initial Responses of Natural and Underplanted Oak Reproduction and a Shade-Tolerant Competitor to Midstory Removal

*J.M. Craig, J.M. Lhotka, and J.W. Stringer*

- 1172 Incorporating Cultural Ecosystem Services into Forest Management Strategies for Private Landowners: An Illinois Case Study

*J.T. Hendee and C.G. Flint*

- 1180 Stand and Tree Response to Commercial Thinning of Red Pine in Michigan

*G.W. Wyckoff and D.K. Lauer*

- 1194 The First Field Experiment in the World to Use a Randomized Experimental Design: History, Results, and Interpretation

*G. Kerr*

- 1205 Resistance and Resilience: A Conceptual Framework for Silviculture

*R.J. DeRose and J.N. Long*

soils & hydrology

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- 1213 Application of a Distributed Process-Based Hydrologic Model to Estimate the Effects of Forest Road Density on Stormflows in the Southern Appalachians

*S.F. Dymond, W.M. Aust, S.P. Pringle, M.H. Eisenbies, and J.M. Vose*