

## Publications from Diana Tomback and the Tomback Lab:

### REFEREED PUBLICATIONS (Peer-reviewed journals)

- 2016 D. F. Tomback, S. C. Blakeslee, A. C. Wagner, M. B. Wunder, L. M. Resler, J. C. Pyatt, and S. Diaz. 2016. Whitebark pine facilitation at treeline: potential interactions for disruption by an invasive pathogen. *Ecology and Evolution*, in press.
- 2016 Pyatt, J. C., D. F. Tomback, S. C. Blakeslee, M. B. Wunder, L. M. Resler, L. A. Boggs, and H. Bevency. 2016. The importance of conifers for facilitation at treeline: Comparing biophysical characteristics of leeward microsites in whitebark pine communities *Arctic, Antarctic, and Alpine Research* 48(2) 427-444. DOI: <http://dx.doi.org/10.165/AAAR 0015-055>. Online appendices DOI: <http://dx.doi.org/10.165/AAAR 0015-055a>.
- 2016 Tomback, D. F., L. M. Resler, R. E. Keane, E. R. Pansing, A. J. Andrade, and A. C. Wagner. 2016. Community structure, biodiversity, and ecosystem services in treeline whitebark pine communities: potential impacts from a non-native pathogen. *Forests* 7, 21: doi:10.3390/f7010021
- 2015 Leirfallom, S. B., R. E. Keane, D. F. Tomback, and S. Dubrowski. 2015. The effects of seed source health on whitebark pine (*Pinus albicaulis*) regeneration density after wildfire. *Canadian Journal of Forest Research* 45:1597-1606. DOI: <http://dx.doi.org/10.1139/cjfr-2015-0043>.
- 2014 Smith-McKenna, E. K., G. P. Malanson, L. M. Resler, L. W. Carstensen, S. P. Prisley, and D. F. Tomback. 2014. Cascading effects of feedbacks, disease, and climate change on alpine treeline dynamics. *Environmental Modelling and Software* 62:85-96.
- 2014 Card, D. C., D. R. Schield, J. Reyes-Velasco, M. K. Fujita, A. L. Andrew, S. J. Oyler-McCance, J. A. Fike, D. F. Tomback, R. P. Ruggiero, T. A. Castoe. 2014. Two low coverage bird genomes and a comparison of reference-guided versus *de novo* genome assemblies. *PloS one* 9(9) e106649. Doi: 10.1371/Journal.Pone.0106649.
- 2014 Resler, L. M., Y. Shao, D. F. Tomback, and G. P. Malanson. 2014. Predicting functional role and occurrence of whitebark pine (*Pinus albicaulis*) at alpine treeline: Model accuracy and variable importance. *Annals of the Association of American Geographers* 104 (4): 703-722. DOI: <http://dx.doi.org/10.1080/00045608.2014.910072>.
- 2014 Tomback, D. F., K. G. Chipman, L. M. Resler, E. K. Smith-McKenna, and C. M. Smith. 2014. Relative abundance and functional role of whitebark pine at treeline in the northern Rocky Mountains. *Arctic, Antarctic, and Alpine Research* 46(2):407-418. DOI: <http://dx.doi.org/10.1657/1938-4246-46.2.407>.

- 2013 Smith-McKenna, E. K., L. M. Resler, D. F. Tomback, H. Zhang, and G. P. Malanson. 2013. Topographic influences on the distribution of white pine blister rust in *Pinus albicaulis* treeline communities. *Écoscience* 20(3):215-229.
- 2013 Barker, F. K., S. Oyler-McCance, and D. F. Tomback. 2013. Blood from a turnip: tissue origin of low-coverage shotgun sequencing libraries affects recovery of mitogenome sequences. *Mitochondrial DNA*. DOI: 10.3109/19401736.2013.840588
- 2012 Oyler-McCance, S. A., J. A. Fike, T. A. Castoe, D. F. Tomback, M. B. Wunder, and T. D. Schaming. 2012. Development and characterization of thirteen microsatellite loci in Clark's nutcracker (*Nucifraga columbiana*). *Conservation Genetics Resources* doi 10.1007/s 12686-012-9789-0
- 2012 Barringer, L., D. F. Tomback, M. B. Wunder, and S. T. McKinney. 2012. Whitebark pine stand condition, tree abundance, and cone production as predictors of visitation by Clark's Nutcracker. *PLoS one* 7(5): e37663. doi: 10.1371/journal.pone.0037663
- 2012 Castoe, T.A., A. W. Poole, A. P. de Koning, K. L. Jones, D. F. Tomback, S. J. Oyler-McCance, E. N. Smith, and D. D. Pollock. 2012. Rapid microsatellite identification from Illumina paired-end genomic sequencing in two birds and a snake. *PLoS one* 7(2): e30953. doi: 10.1371/journal.pone.0030953
- 2011 Wenny, D. G., T. L. DeVault, M. D. Johnson, D. Kelly, Ç. Şekerciöğlü, D. F. Tomback, and C. J. Whelan. 2011. On the need to quantify ecosystem services provided by birds. *Perspectives in Ornithology*. *The Auk* 128:1-14.
- 2010 Murray, M. P., and D. F. Tomback. 2010. Clark's Nutcrackers harvest sugar pine seeds from cones. *Western North American Naturalist* 70 (3):413-414.
- 2010 Tomback, D. F., and P. Achuff. 2010. Blister rust and western forest biodiversity: Ecology, values, and outlook for white pines. Invited contribution for special issue. *Forest Pathology* 40:186-225.
- 2009 McKinney, S. T., C. E. Fiedler, and D. F. Tomback. 2009. Invasive pathogen threatens bird-pine mutualism: implications for sustaining a high-elevation ecosystem. *Ecological Applications* 19:597-607.
- 2008 Tillman-Sutela, E., A. Kauppi, K. Karppinen, and D. F. Tomback. 2008. Variant maturity in seed structures of *Pinus albicaulis* (Engelm.) and *Pinus sibirica* (Du Tour): key to an unusual soil seed bank? *Trees* 22:225-236 (published online in 2007)
- 2008 Resler, L. M., and D. F. Tomback. 2008. Blister rust prevalence in krummholz whitebark pine: Implications for treeline dynamics. *Arctic, Antarctic, and Alpine Research* 40: 161-170.

- 2007 Malanson, G. P., D.R. Butler, D. B. Fagre, S. J. Walsh, D. F. Tomback, L. D. Daniels, L. . Resler, W. K. Smith, D. J. Weiss, D. L. Peterson, A. G. Bunn, C. A. Hiemstra, D. Liptzin, P. S. Bourgeron, Z. Shen, and C. Millar. 2007. Alpine treeline in western North America: linking organism-to-landscape dynamics. Invited contribution for special issue on alpine treeline. *Physical Geography* 28: 378-396.
- 2007 Tomback, D. F., and L. M. Resler. 2007. Invasive pathogens at treeline: consequences for treeline dynamics. Invited contribution for special section on alpine treeline. *Physical Geography* 28 (5):397-418.
- 2007 McKinney, S. T., and D. F. Tomback. 2007. The influence of white pine blister rust on seed dispersal in whitebark pine. *Canadian Journal of Forest Research* 37:1044-1057.
- 2005 Tomback, D. F., A. S. Schoettle, K. E. Chevalier, and C. A. Jones. 2005. Life on the edge for limber pine: seed dispersal within a peripheral population. *Écoscience* 12:519-529.
- 2003 Samano, S., and D. F. Tomback. 2003. Cone opening phenology, seed dispersal, and seed predation in southwestern white pine (*Pinus strobiformis*) in southern Colorado. *Écoscience* 10:319-326.
- 2001 Tomback, D.F., A.J. Anderies, K.S. Carsey, M.L. Powell, and S. Mellman-Brown. 2001. Delayed seed germination in whitebark pine and regeneration patterns following the Yellowstone fires. *Ecology* 82:2587-2600.
- 1999 Feldman, R., D.F. Tomback, and J. Koehler. 1999. Cost of mutualism: competition, tree morphology, and pollen cone production in limber pine clusters. *Ecology* 80:324-329.
- 1998 Johnson, S.A., L.P. Bruederle, and D.F. Tomback. 1998. A mating system conundrum: hybridization in *Apocynum* (Apocynaceae). *American Journal of Botany* 85:1316-1323.
- 1998 Bruederle, L.P., D.F. Tomback, K.K. Kelly, and R.C. Hardwick. 1998. Population genetic structure in a bird-dispersed pine, *Pinus albicaulis* Engelm. (Pinaceae). *Canadian Journal of Botany* 76: 83-90.
- 1998 Tomback, D.F. 1998. Clark's Nutcracker (*Nucifraga columbiana*). In *The Birds of North America*, No. 331, A. Poole and F. Gill (eds.). The Academy of Natural Sciences, Philadelphia, PA, and The American Ornithologists' Union, Washington, DC, 24 pp.
- 1996 Torick, L.L., D.F. Tomback, and R. Espinoza. 1996. Occurrence of multi-genet tree clusters in "wind-dispersed" pines. *American Midland Naturalist* 136:262-266.
- 1996 Fleck, D.C. and D.F. Tomback. 1996. Tannin and protein in the diet of a food-hoarding granivore, the Western Scrub Jay. *Condor* 98:474-482.

- 1995 Tomback, D.F. 1995. Possible breeding record for Clark's Nutcracker in northwestern Nebraska in 1987. *The Nebraska Bird Review* 63:114-115.
- 1995 Tomback, D.F., J.K. Clary, J. Koehler, R.J. Hoff, and S.F. Arno. 1995. The effects of blister rust on post-fire regeneration of whitebark pine: the Sundance Burn of northern Idaho. *Conservation Biology* 9:654-664.
- 1994 Carsey, K.S., and D.F. Tomback. 1994. Growth form distribution and genetic relationships in tree clusters of *Pinus flexilis*, a bird-dispersed pine. *Oecologia* 98:402-411.
- 1993 Tomback, D.F., F.-K. Holtmeier, H. Mattes, K.S. Carsey, and M.L. Powell. 1993. Tree clusters and growth form distribution in *Pinus cembra*, a bird-dispersed pine. *Arctic and Alpine Research* 25:374-381.
- 1993 Tomback, D.F., S.K. Sund, and L.A. Hoffmann. 1993. Post-fire regeneration of *Pinus albicaulis*: height-age relationships, age structure, and microsite characteristics. *Canadian Journal of Forest Research* 23:113-119.
- 1990 Tomback, D.F., and Y.B. Linhart. 1990. The evolution of bird-dispersed pines. *Evolutionary Ecology* 4:185-219.
- 1990 Keane, R.E., S.F. Arno, J.K. Brown, and D.F. Tomback. 1990. Modelling stand dynamics in whitebark pine forests. *Ecological Modelling* 51:73-95.
- 1990 Tomback, D.F., M.A. Wachtel, J.W. Driscoll, and M. Bekoff. 1989. Measuring dominance and constructing hierarchies: an example using mule deer. *Ethology* 82:275-286.
- 1987 Thompson, D.B., D.F. Tomback, M.A. Cunningham, and M.C. Baker. 1987. Seed selection by Dark-eyed Juncos (*Junco hyemalis*) - Optimal foraging with nutrient constraints. *Oecologia* 74:106-111.
- 1986 Bunch, K.G. and D.F. Tomback. 1986. Bolus recovery by gray jays: an experimental analysis. *Animal Behaviour* 34:754-762.
- 1986 Tomback, D.F. 1986. Post-fire regeneration of krummholz whitebark pine: a consequence of nutcracker seed caching. *Madroño* 33:100-110.
- 1986 Tomback, D.F. 1986. Observations on the behavior and ecology of the Mariana Crow. *Condor* 88:398-401.
- 1985 Linhart, Y.B. and D.F. Tomback. 1985. Seed dispersal by Clark's nutcrackers causes multi-trunk growth form in pines. *Oecologia* 67:107-110.

- 1985 Baker, M.C., D.F. Tomback, D.B. Thompson, and M.A. Cunningham. 1985. Reply to Hafner and Petersen. *Evolution* 39:1177-1179.
- 1985 Burnell, K.L. and D.F. Tomback. 1985. Steller's Jays steal Gray Jay caches: field and laboratory observations. *Auk* 102:417-419.
- 1984 Tomback, D.F. and M.C. Baker. 1984. Assortative mating by female White-crowned sparrows at song dialect boundaries. *Animal Behaviour* 32:465-469.
- 1984 Baker, M.C., D.F. Tomback, D.B. Thompson, T.C. Theimer, and D.C. Bradley. 1984. Behavioral consequences of song learning: discrimination of song types by male White-crowned sparrows. *Learning and Motivation* 15:428-440.
- 1984 Baker, M.C., A.E.M. Baker, M.A. Cunningham, D.B. Thompson, and D.F. Tomback. 1984. Reply to "Allozymes and song dialects: a reassessment". *Evolution* 38:449-451
- 1983 Tomback, D.F., D.B. Thompson, and M.C. Baker. 1983. Dialect discrimination in White-crowned sparrows: reactions to near and distant dialects. *Auk* 100:452-460.
- 1983 Bunch, K.G., G.S. Sullivan, and D.F. Tomback. 1983. Seed manipulation by Clark's Nutcracker. *Condor* 85:372-373.
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- 1982 Tomback, D.F. 1982. Dispersal of whitebark pine seeds by Clark's Nutcracker: a mutualism hypothesis. *Journal of Animal Ecology* 51:451-467.
- 1982 Tomback, D.F. and B.B. DeWolfe. 1982. Foraging behavior of a cross-billed nutcracker. *Western Birds* 12:137-138.
- 1981 Tomback, D.F. and J.R. Murphy. 1981. Food deprivation and temperature regulation in nestling Ferruginous Hawks. *Wilson Bulletin* 93:92-97.
- 1981 Tomback, D.F. 1981. Notes on cones and vertebrate-mediated seed dispersal of *Pinus albicaulis* (Pinaceae). *Madroño* 28:91-94.
- 1980 Collins, C.T., D.F. Tomback, and G.E. Woolfenden. 1980. Additional host records for the Bronzed Cowbird in Texas. *Bulletin of the Texas Ornithological Society* 13:40-51.
- 1980 Tomback, D.F. and K.A. Kramer. 1980. Limber pine seed harvest by Clark's Nutcracker: timing and foraging behavior. *Condor* 82:467-468.

- 1980 Tomback, D.F. 1980. How nutcrackers find their food stores. *Condor* 82:10-19.
- 1978 Tomback, D.F. 1978. Pre-roosting flight of the Clark's Nutcracker. *Auk* 95:554-562.
- 1978 Tomback, D.F. 1978. Foraging strategies of Clark's Nutcracker. *Living Bird* 16:123-161.
- 1976 Tomback, D.F. 1976. A late nesting attempt by Clark's Nutcracker. *Wilson Bulletin* 88:499-500.
- 1975 Tomback, D.F. 1975. An emetic technique to investigate food preferences. *Auk* 92:581-583.

#### **EDITED VOLUME**

- 2001 Tomback, D.F., S. F. Arno, and R. E. Keane, editors. 2001. *Whitebark Pine Communities: Ecology and Restoration*. Island Press, Washington, D.C. (also see chapters by Tomback below)

#### **BOOK CHAPTERS**

- 2016 Whelan, C. J., D. F. Tomback, D. Kelly, and M. D. Johnson. Trophic interaction networks and ecosystem services. Chapter 3 in *Why Do Birds Matter? Birds' Ecological Functions and Ecosystem Services*. Cagan H. Sekercioglu, Daniel G. Wenny, Christopher J. Whelan (eds.). University of Chicago Press, in press.
- 2016 Tomback, D. F. Seed dispersal by corvids: birds that build forests. Chapter 7 in: *Why Do Birds Matter? Birds' Ecological Functions and Ecosystem Services*. Cagan H. Sekercioglu, Daniel G. Wenny, Christopher J. Whelan (eds.). University of Chicago Press, in press.
- 2011 McKinney, S. T., and D. F. Tomback. Altered community dynamics in Rocky Mountain whitebark pine forests and the potential for accelerating declines. Pages 45-78 in: *Mountain Ecosystems: Dynamics, Management and Conservation*. K.E. Richards (ed.) Nova Science Publishers, Inc., Hauppauge, N.Y.
- 2005 Tomback, D. F. The impact of seed dispersal by Clark's nutcracker on whitebark pine: multi-scale perspective on a high mountain mutualism. Pages 181-201 in: *Mountain Ecosystems: Studies in Treeline Ecology*. G. Broll and B. Keplin (eds.), Springer.
- 2002 Tomback, D. F., and K. C. Kendall. Rocky road in the Rockies: challenges to biodiversity. Pages 153-180 in: *Rocky Mountain Futures: an Ecological Perspective*, J.S. Baron (ed). Island Press, Washington, D. C. Preface by Paul Ehrlich.
- 2001 Tomback, D.F., S. F. Arno, and R. E. Keane. The compelling case for management

- intervention, chapt. 1. Pages 3-25 in: *Whitebark Pine Communities: Ecology and Restoration*, D.F. Tomback, S.F. Arno, and R.E. Keane (eds.). Island Press, Washington, D. C.
- 2001 Tomback, D.F. Clark's nutcracker: agent of regeneration, chapt.5. Pages 89-104 in: *Whitebark Pine Communities: Ecology and Restoration*, D.F. Tomback, S.F. Arno, and R.E. Keane (eds.). Island Press, Washington, D. C.
- 2001 McCaughey, W.W., and D.F. Tomback. The natural regeneration process, chapt. 6. Pges 105-120 in: *Whitebark Pine Communities: Ecology and Restoration*, D.F. Tomback, S.F. Arno, and R.E. Keane (eds.). Island Press, Washington, D.C.
- 2001 Tomback, D.F., and K.C. Kendall. Biodiversity losses: the downward spiral, chapt. 12. Pages 243-262 in: *Whitebark Pine Communities: Ecology and Restoration*, D.F. Tomback, S.F. Arno, and R.E. Keane (eds.). Island Press, Washington, D.C.
- 2001 Arno, S.F., D.F. Tomback, and R.E. Keane. Whitebark pine restoration: a model for wildland communities, chapt. 20. Pages 416-419 in: *Whitebark Pine Communities: Ecology and Restoration*, D.F. Tomback, S.F. Arno, and R.E. Keane (eds.). Island Press, Washington, D.C.
- 2000 Tomback, D.F. Amphibians, chapt. 8, pp. 265- 272. In: *Sierra East*, G. Smith (ed.). University of California Press, Berkeley.
- 2000 Tomback, D.F. Reptiles, chapt. 9, pp. 273-289. In: *Sierra East*, G. Smith (ed.). University of California Press, Berkeley.
- 2000 Tomback, D.F. Birds, chapt. 10, pp. 290-389. In: *Sierra East*, G. Smith (ed.). University of California Press, Berkeley.
- 2000 Tomback, D.F. Mammals, chapt. 11, pp. 390-449. In: *Sierra East*, G. Smith (ed.). University of California Press, Berkeley.
- 1987 Balda, R.P., K.G. Bunch, A.C. Kamil, D.F. Sherry, and D.F. Tomback. Spatial memory and cache recovery, pp. 645-666. In: *Foraging Behavior*, A.C. Kamil, J.R. Krebs, and R. Pulliam (eds.). Plenum Publishing Co.
- 1983 Tomback, D.F. Nutcrackers and pines: coevolution or coadaptation? pp. 179-223. In: *Coevolution*, M.J. Nitecki (ed.), University of Chicago Press. Proceedings of the Fifth Annual Spring Systematics Symposium, Field Museum of Natural History, Chicago, Illinois. (NSF supported)

## EDITED CONFERENCE OR SYMPOSIUM PROCEEDINGS

- 2011 Keane, R. E., D. F. Tomback, M. P. Murray, C. M. Smith, eds. *Proceedings: "High-Five" symposium: the future of high-elevation five-needle white pines in western North America*. Whitebark Pine Ecosystem Foundation. June 28-30, 2010, University of Montana, Missoula, MT. Proceedings RMRS-P-63: USDA Forest Service, Rocky Mountain Research Station, Ft. Collins, CO. 376 P.

## PEER-REFEREED AGENCY PUBLICATIONS, SYMPOSIUM PROCEEDINGS CONTRIBUTIONS, AND OTHER PUBLICATIONS

- 2016 Keane, R. E., L. Holsinger, D. F. Tomback, and M. F. Mahalovich. 2016 [in press]. Restoring whitebark pine in the face of climate change. General Technical Report RMRS-GTR-XXX. Fort Collins, CO: USDA, Forest Service, Rocky Mountain Research Station, Fort Collins, CO. XXX p.
- 2012 Keane, R. E., D. F. Tomback, C.A. Aubry, C.A., A.D. Bower, E.M. Campbell, C.L. Cripps, M.B. Jenkins, M. F. Mahalovich, M. Manning, S.T. McKinney, M.P. Murray, D.L. Perkins, D.P. Reinhart, C. Ryan, A.W. Schoettle, C.M. Smith. 2012. A range-wide restoration strategy for whitebark pine (*Pinus albicaulis*). Gen. Tech. Rep. RMRS-GTR-279. Fort Collins, CO: USDA, Forest Service, Rocky Mountain Research Station. 108 p.
- 2011 Tomback, D.F., P. Achuff, A.W. Schoettle, J.W. Schwandt, and R. J. Mastrogiuseppe. The magnificent high-elevation five-needle white pines: Ecological roles and future outlook. Plenary presentation. Pp. 2 to 28. In: Keane, R.E., D.F. Tomback, M.P. Murray, C. M. Smith, eds. *Proceedings: "High-Five" symposium: the future of high-elevation five-needle white pines in western North America*. Whitebark Pine Ecosystem Foundation. June 28-30, 2010, University of Montana, Missoula, MT. Proceedings RMRS-P-63: USDA Forest Service, Rocky Mountain Research Station, Ft. Collins, CO.
- 2007 Tomback, D. F. Whitebark pine: Ecological importance and future outlook, pp. 6-19 In: Goheen, and R. A. Sniezko, tech. cords. *Proceedings—Whitebark Pine: A Pacific Coast Perspective*. Aug. 27-31, 2006, Ashland, OR. R6-NR-FHP-2007-01. Portland, OR: Pacific Northwest Region, Forest Service, U.S. Department of Agriculture.  
<http://www.fs.fed.us/r6/nr/fid/wbpine/proc.shtml>
- 2007 Schwandt, J.W., D.F. Tomback, R.E. Keane, W.W. McCaughey, and S. J. Holly. First year results of a whitebark pine seed planting trial near Baker City, OR, pp. 132-138. In: Goheen, and R. A. Sniezko, tech. cords. *Proceedings—Whitebark Pine: A Pacific Coast Perspective*. Aug. 27-31, 2006, Ashland, OR. R6-NR-FHP-2007-01. Portland, OR: Pacific Northwest Region, Forest Service, U.S. Department of Agriculture.  
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- 2006 Frakes, B., D. F. Tomback, and D. Pillmore. Tracking the white pine blister rust epidemic



in our national parks. Pages 82-83. *Natural Resource Year in Review—2005: A portrait of the year in natural resource stewardship and science in the National Park System*. National Resource Program Center, Office of Education and Outreach, National Park Service, U.S. Department of the Interior, Washington, D. C.

- 2004, 2005 revision. Tomback, D.F., R.E. Keane, W.W. McCaughey, and C. Smith. Methods for surveying and monitoring whitebark pine for blister rust damage and infection. Whitebark Pine Ecosystem Foundation, [www.whitebarkfound.org](http://www.whitebarkfound.org) . (peer reviewed)
- 2004 Sniezko, R.A., D.F. Tomback, R.M. Rochefort, E. Goheen, R. Hunt, J.S. Beatty, M. Murray, and F. Betlejewski. 2004. Exotic pathogens, resistant seed and restoration of forest tree species in western North America. Pp. 21-26. In: *Proceedings of the Second Conference on Klamath-Siskiyou Ecology*. K. L. Mergenthaler, J.E. Williams, and E. S. Jules (eds.). Conference held May 29-31, 2003, Siskiyou Field Institute, Cave Junction, Oregon.
- 2003 Tomback, D.F. Rapid decline of whitebark pine communities: ecological implications. Compilation of Science Highlights from: *Ecological and Earth Sciences in Mountain Areas*. Proceedings of a symposium held in Banff, Sept. 6 to 10, 2002. (In recognition of 2002, U.N. Year of the Mountain.) L. Taylor, K. Martin, D. Hik, and A. Ryall (eds.). The Banff Centre for Mountain Culture, Banff, Alberta, Canada.  
<http://www.forestry.ubc.ca/alpine/highlights/index.htm>
- 1994 Tomback, D.F. Effects of seed dispersal by Clark's Nutcracker on early post-fire regeneration of whitebark pine, pp. 193-198. In: *Workshop on Subalpine Stone Pines and Their Environment: the Status of our Knowledge*, W.C. Schmidt and F.-K. Holtmeier (eds.). USDA Forest Service Intermountain Research Station, General Technical Report INT-309, Ogden, Utah.
- 1994 Tomback, D.F. and W.S.F. Schuster. Genetic population structure and growth form distribution in bird-dispersed pines, pp. 43-50. In: *Workshop on Subalpine Stone Pines and Their Environment: the Status of our Knowledge*, W.C. Schmidt and F.-K. Holtmeier (eds.). USDA Forest Service Intermountain Research Station, General Technical Report INT-309, Ogden, Utah.
- 1994 Tomback, D.F. Ecological relationship between Clark's Nutcracker and four wingless-seed *Strobus* pines of Western North America, pp. 221-224. In: *Workshop on Subalpine Stone Pines and Their Environment: the Status of our Knowledge*, W.C. Schmidt and F.-K. Holtmeier (eds.). USDA Forest Service Intermountain Research Station, General Technical Report INT-309, Ogden, Utah.
- 1990 Keane, R.E., S.F. Arno, J.K. Brown, and D.F. Tomback. Simulating disturbances and conifer succession in whitebark pine forests, pp. 274-288. In: *Symposium on whitebark pine ecosystems: ecology and management of a high mountain resource*, W.C. Schmidt (compiler). USDA Forest Service Intermountain Research Station, General Technical

Report INT-270, Ogden, Utah.

- 1990 Tomback, D.F., L.A. Hoffmann, and S.K. Sund. Coevolution of whitebark pine and nutcrackers: implications for forest regeneration, pp. 118-129. In: *Symposium on whitebark pine ecosystems: ecology and management of a high mountain resource*, W.C. Schmidt (compiler). USDA Forest Service Intermountain Research Station, General Technical Report INT-270, Ogden, Utah.
- 1989 Tomback, D.F. The broken circle: fire, birds and whitebark pine, pp. 14-17. In: *Wilderness and Wildfire*, T. Walsh (ed.). Wilderness Institute, School of Forestry, Montana Forestry and Range Experiment Station, University of Montana, Misc. Pub. No. 50, Missoula, Montana.
- 1988 Tomback, D.F. Nutcracker-pine mutualisms: multi-trunk trees and seed size, pp. 518-527. In: *Acta XIX Congressus Internationalis Ornithologici*, H. Ouellet (ed.), Ottawa, Quebec, Canada.
- 1987 Tomback, D.F. and C.L. Taylor. Tourist impact on Clark's Nutcracker foraging activities in Rocky Mountain National Park, pp. 158-172. In: *Symposium proceedings: Wildlife Management and Habitats*, F. Singer (ed.). George Wright Society, National Park Service, Washington, D.C.

#### **BOOK REVIEWS, ESSAYS, AND PUBLISHED PROCEEDINGS ABSTRACTS**

- 2014 Tomback, D. F. Corvids—the birds that build forests. *The Lark Bunting* 50 (3): 1, 5. Bulletin of the Denver Field Ornithologists.
- 2013 Baron, J.S., T. Seastedt, D. Fagre, J. S. Hicke, D. Tomback, E. Garcia, Z. Bowen, and J. A. Logan Symposium 9: Reports from the ESA Annual Meetings. Rocky Mountain Futures: preserving, utilizing, and sustaining Rocky Mountain ecosystems. *Bulletin of the Ecological Society* 94:195-199
- 2011 Tomback, D. F., S. Samano, E. L. Pruett, and A. W. Schoettle. Seed dispersal in limber and southwestern white pine: comparing core vs. peripheral populations. Extended abstract for Wildlife and High-elevation White Pines. Proceedings: High-Five symposium: The future of high-elevation five-needle white pines in western North America. Pp. 69 to 71. In: Keane, R.E., D.F. Tomback, M.P. Murray, C. M. Smith, eds. June 28-30, 2010, University of Montana, Missoula, MT. Whitebark Pine Ecosystem Foundation. Proceedings RMRS-P-63: USDA Forest Service, Rocky Mountain Research Station, Ft. Collins, CO.
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