

PUBLICATIONS

Peer Reviewed Journal Articles, Books, Book Chapters, and Symposia: 77

1. Rhodes, O.E., Jr., K.T. Scribner, M.H. Smith, and P.E. Johns. **1985**. Factors affecting the number of fetuses in a white-tailed deer herd. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wildlife Agencies*. 39:380-388.
2. Rhodes, O.E., Jr., J.M. Novak, M.H. Smith, and P.E. Johns. **1986**. Assessment of fawn breeding in a white-tailed deer herd. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wildlife Agencies*. 40:430-437.
3. Miller, K.V., O.E. Rhodes, Jr., T.R. Litchfield, M.H. Smith, and L.R. Marchinton. **1987**. Reproductive characteristics of yearling and adult male white-tailed deer. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wildlife Agencies*. 41:378-384.
4. Leberg, P.L., M.H. Smith, and O.E. Rhodes., Jr. **1990**. The association between heterozygosity and growth of deer fetuses is not explained by effects of the loci examined. *Evolution* 44: 454-458.
5. Rhodes, O.E., Jr., J.M. Novak, M.H. Smith, and P.E. Johns. **1991**. Frequency distribution of conception dates in a white-tailed deer herd. *Acta Theriologica* 36:131-140.
6. Rhodes, O.E., Jr., L.M. Smith, and M.H. Smith. **1991**. Conservation and genetic resources in waterfowl. *Transactions of the 56th North American Wildlife and Natural Resources Conference*. 56:462-472.
7. Rhodes, O.E., Jr., M.H. Smith, K.T. Scribner, and P.E. Johns. **1991**. Factors affecting productivity of a white-tailed deer herd. Pages 219-222 in B. Bobek, K. Perzanowski and W. L. Regelin eds., *Global Trends In Wildlife Management*. Vol. I, *Transactions of the 18th Congress of the International Union of Game Biologists*. Krakow. Swiat Press. Krakow, Poland.
8. Smith, M.H., K.T. Scribner, P.E. Johns, and O.E. Rhodes, Jr. **1991**. Genetics and antler development. Pages 323-326 in B. Bobek, K. Perzanowski and W. L. Regelin eds., *Global Trends In Wildlife Management*. Vol. I, *Transactions of the 18th Congress of the International Union of Game Biologists*. Krakow. Swiat Press. Krakow, Poland.
9. Scribner, K.T., M.H. Smith, M.C. Wooten, P.K. Kennedy, and O.E. Rhodes, Jr. **1992**. Variation in life history and genetic traits of Hawaiian mosquitofish populations. *Journal of Evolutionary Biology* 5:267-288.
10. Rhodes, O.E., Jr. and M.H. Smith. **1992**. Genetic perspectives in wildlife population management: The case of large herbivores. Pages 985-996 in D. McCullough and R. Barrett eds., *Wildlife 2001: Populations*. Elsevier Science Publishers LTD, N.Y.
11. Rhodes, O.E., Jr., M.H. Smith, and R.K. Chesser. **1992**. Prenatal reproductive losses in white-tailed deer. Pages 390-397 in R.D. Brown ed., *Biology of Deer*. Springer-Verlag, N.Y.
12. Smith, M.H. and O.E. Rhodes, Jr. **1992**. Genetics and biodiversity in wildlife management. *Transactions of the 57th North American Wildlife and Natural Resources Conference*. 57:243-251.
13. Novak, J.M., O.E. Rhodes, Jr., M.H. Smith, and R. K. Chesser. **1993**. Morphological asymmetry in mammals: genetics and homeostasis reconsidered. *Acta Theriologica* 38:7-18.
14. Rhodes, O.E., Jr., L.M. Smith, and R.K. Chesser. **1993**. Temporal components of genetic variance in wintering and migrating American wigeon. *Canadian Journal of Zoology* 71:2229-2235.
15. Rhodes, O.E., Jr. and L.M. Smith. **1993**. Relationships between genetic variation and carcass components in wintering American wigeons. *Auk* 110:354-360.

16. Chesser, R.K., O.E. Rhodes, Jr., D.W. Sugg, and A.F. Schnabel. **1993**. Effective sizes for subdivided populations. *Genetics* 135:1221-1232.
17. Chesser, R.K., D.W. Sugg, O.E. Rhodes, Jr., J.M. Novak, and M.H. Smith. **1993**. Evolution of mammalian social organization. *Acta Theriologica* 38:163-174.
18. Fedynich, A.M. and O.E. Rhodes, Jr. **1993**. Mallard X American wigeon hybrid on the Southern High Plains of Texas. *Southwestern Naturalist* 38:179-181.
19. Rhodes, O.E., Jr. and R.S. Johns. **1993**. Relationships between heterozygosity and conception dates in white-tailed deer from South Carolina. Pages 119-125 in I. D. Thompson ed., *Forests and Wildlife....Towards the 21st Century. Proceedings of the International Union of Game Biologists, XXI Congress*, Halifax, Nova Scotia, Canada, August 15-20.
20. Smith, M.H. and O. E. Rhodes, Jr. **1993**. Genetic applications in wildlife management: An introduction. Pages 110-112 in I. D. Thompson ed., *Forests and Wildlife....Towards the 21st Century. Proceedings of the International Union of Game Biologists, XXI Congress*, Halifax, Nova Scotia, Canada, August 15-20.
21. Rhodes, O.E., Jr. and R.K. Chesser. **1994**. Genetic concepts for habitat conservation: The transfer and maintenance of genetic variation. *Landscape and Urban Planning* 28:55-62.
22. Bergan, J.F., A.R. Radomski, D.B. Pence, and O.E. Rhodes, Jr. **1994**. *Tetrameres (Petrowimeres) striata* in ducks. *Journal of Wildlife Diseases* 30:351-358.
23. McAlpine, S.K., O.E. Rhodes, Jr., I. L. Brisbin, Jr., and C.D. McCreedy. **1994**. Genetic structure in a wintering population of American coots (*Fulica americana*). *Wilson Bulletin* 106:738-743.
24. Mulvey, M., J.M. Aho, and O.E. Rhodes, Jr. **1994**. Parasitism and white-tailed deer: timing and components of reproduction. *Oikos* 70:177-182.
25. Smith, M.H. and O.E. Rhodes, Jr. **1994**. Whitetail diversity. Pages 84-88, in D. Gerlach, S. Atwater, and J. Schnell, eds. *Deer. Stackpole Books*, PA.
26. Smith, M.H. and O.E. Rhodes, Jr. **1994**. Unraveling the genes. Page 89, in D. Gerlach, S. Atwater, and J. Schnell, eds. *Deer. Stackpole Books*, PA.
27. Smith, M.H. and O.E., Rhodes, Jr. **1994**. The subspecies. Pages 90-91, in D. Gerlach, S. Atwater, and J. Schnell, eds. *Deer. Stackpole Books*, PA.
28. Rhodes, O.E., Jr., D.J. Buford, M. Miller, and R.S. Lutz. **1995**. Genetic structure of reintroduced Rio Grande turkeys in Kansas. *Journal of Wildlife Management* 59:771-775.
29. Rhodes, O.E., Jr., L.M. Smith, and R. K. Chesser. **1995**. Apportionment of genetic variance in migrating and wintering mallards. *Canadian Journal of Zoology* 73:1182-1185.
30. Fedynich, A.M. and O.E. Rhodes, Jr. **1995**. Hematosporid (*Apicomplexa, Hematozoa, Hemosporida*) community structure and pattern in wintering wild turkeys. *Journal of Wildlife Diseases* 31:404-409.
31. Fedynich, A.M. and O.E. Rhodes, Jr. **1995**. Mallard-like ducks in the Playa Lakes Region. *Wilson Bulletin* 107:548-551.
32. Rhodes, O.E., Jr., L.M. Smith, and M.H. Smith. **1996**. Relationships between genetic variation and body size in wintering mallards. *Auk* 113:339-345.
33. Boone, M.D., and O.E. Rhodes, Jr. **1996**. Genetic structure among subpopulations of the eastern wild turkey (*Meleagris gallopavo silvestris*). *American Midland Naturalist* 135:168-171.
34. Johns, R.S., O.E. Rhodes, Jr., and J.R. Sweeney. **1996**. Influences of genetic variation on reproduction of white-tailed deer on the Savannah River Site. *Journal of Wildlife Research* 1:38-41.
35. Rhodes, O.E., Jr., R.K. Chesser, and M.H. Smith. eds. **1996**. *Population Dynamics in Ecological Space and Time*, University of Chicago Press, Chicago. 388pp.

36. Rhodes, O.E., Jr., and E.P. Odum. **1996**. Spatio-temporal approaches in ecology and genetics: the road less traveled. Pages 1-8 in O.E. Rhodes, Jr., R.K. Chesser, and M.H. Smith eds., *Population Dynamics in Ecological Space and Time*, **University of Chicago Press**, Chicago.
37. Chesser, R.K., O.E. Rhodes, Jr., and M.H. Smith. **1996**. Conservation. Pages 237-252 in O.E. Rhodes, Jr., R.K. Chesser, and M.H. Smith eds., *Population Dynamics in Ecological Space and Time*, **University of Chicago Press**, Chicago.
38. Rhodes, O.E., Jr. **1998**. Ecotourism: Direct road to ruin. *Russian Conservation News* 17:20.
39. Serfass, T.L., J.M. Novak, P.E. Johns, R.P. Brooks, and O.E. Rhodes, Jr. **1998**. Genetic variation among river otter populations in North America: considerations for reintroduction projects. *Journal of Mammalogy* 79:736-746.
40. Peles, J.D., O.E. Rhodes, Jr., and M.H. Smith. **1999**. Multilocus heterozygosity, body condition, and reproductive characteristics in male white-tailed deer fawns. *Journal of the Elisha Mitchell Scientific Society* 115:91-97.
41. Williams, R.N., L.K. Page, T.L. Serfass, and O.E. Rhodes, Jr. **1999**. Genetic polymorphisms in fishers (*Martes pennanti*) from the northeastern United States. *American Midland Naturalist* 141:406-410.
42. Reat, E.P., O.E. Rhodes, Jr., J.R. Heffelfinger, and J.C. deVos, Jr. **1999**. Regional genetic differentiation in Arizona pronghorn. *Proceedings of the 18th Biennial Pronghorn Antelope Workshop* 18: 25-31.
43. Rhodes, O.E. Jr., R.N. Williams, J.R. Heffelfinger, L.K. Page, E.P. Reat, and J.C. deVos, Jr. **1999**. Genetic variation in pronghorn antelope from Arizona. *Proceedings of the 18th Biennial Pronghorn Antelope Workshop* 18:53-63.
44. Beheler, A.S., R.N. Williams, O.E. Rhodes, Jr., A.M. Fedynich, D.C. Pence, and J.F. Bergan. **2000**. Genetic Polymorphisms in fulvous and black-bellied whistling ducks from Texas. *Southwestern Naturalist* 45:234-238.
45. Peles, J.D., O.E. Rhodes, Jr., and M.H. Smith. **2000**. Spermatozoan numbers and testicular characteristics of male white-tailed deer fawns during the mating season. *Acta Theriologica* 45:95-102.
46. Williams, R.N., O.E. Rhodes, Jr., and T.L. Serfass. **2000**. Assessment of genetic variance among source and reintroduced fisher populations. *Journal of Mammalogy* 81:895-907.
47. Mock, K.E., T.C. Theimer, B.F. Wakeling, O.E. Rhodes, Jr., D.L. Greenberg, and P. Keim. **2001**. Verifying the origins of a reintroduced population of Gould's wild turkey. *Journal of Wildlife Management* 65:871-879.
48. Gregg, R.E., O.E. Rhodes, Jr., and G. Armstrong. **2001**. A genetic analysis of the London strain of Rainbow Trout. *Animal Genetics* 32:210-214.
48. Rhodes, O.E., Jr., E.P. Reat, J.R. Heffelfinger, and J.C. deVos, Jr. **2001**. Analysis of reintroduced pronghorn populations in Arizona using mitochondrial DNA markers. *Proceedings of the 19th Biennial Pronghorn Antelope Workshop* 19:45-54.
50. Crowder, M.R. and O.E. Rhodes, Jr. **2001**. Avian collisions with power lines: A review. Pages 139-168 in R.G. Carlton ed., *Avian Interactions with Utility and Communication Structures*. Proceedings of a workshop held in Charleston, South Carolina, Dec. 2-3, 1999.
51. Crowder, M.R. and O.E. Rhodes, Jr. **2002**. Relationships between bird size and behavioral responses to unmarked power lines. Pp. 403-410, In J.W. Goodrich-Mahoney, D.F. Mutrie, and C.A. Guild eds, *Seventh International Symposium on Environmental Concerns in Rights-Of-Way Management*. Elsevier Science Ltd.

52. Woeste, K., R.P. Burns, O.E. Rhodes, Jr., and C.H. Michler. **2002.** Thirty polymorphic nuclear microsatellite loci from black walnut. *Journal of Heredity* 93:58-60.
53. Latch, E.K., E.J. Smith, and O.E. Rhodes, Jr. **2002.** Isolation and characterization of microsatellite loci in wild and domestic turkeys (*Meleagris gallopavo*) for use in wildlife management. *Molecular Ecology Notes* 2:176-178.
54. Watson, C., A.S. Beheler, and O.E. Rhodes, Jr. **2002.** Development of hypervariable microsatellite loci for use in eastern phoebes (*Sayornis phoebe*) and related Tyrannids. *Molecular Ecology Notes* 2:117-118.
55. Mock, K.E., T.C. Theimer, O.E. Rhodes, Jr., D.L. Greenberg, and P. Keim. **2002.** Genetic variation across the historical range of the wild turkey (*Meleagris gallopavo*). *Molecular Ecology* 11:643-657.
56. Williams, C.L., R.C. Brust, and O.E. Rhodes, Jr. **2002.** Microsatellite polymorphism and genetic structure of Florida mottled duck (*Anas fulvigula*) populations. *Condor* 104:424-431.
57. Williams, C.L., T.L. Serfass, R. Cogan, and O.E. Rhodes, Jr. **2002.** Microsatellite variation in the reintroduced Pennsylvania elk herd. *Molecular Ecology* 11:1299-1310.
58. DeVault, T.L. and O.E. Rhodes, Jr. **2002.** Winter scavenging efficiency on small mammal carcasses in a forested landscape. *Acta Theriologica* 47:185-192.
59. Peles, J.D., O.E. Rhodes, Jr., and M.H. Smith. **2003.** Reproductive characteristics of male white-tailed deer during the breeding season. *Acta Theriologica* 48:123-130.
60. Glaubitz, J.C., O. E. Rhodes, Jr., and J. A. DeWoody. **2003.** Prospects for inferring pairwise relationships with single nucleotide polymorphisms (SNP's). *Molecular Ecology* 12:1039-1047.
61. DeVault, T.L., W.L. Stevens, B.D. Reinhart, O.E. Rhodes, Jr., and I.L. Brisbin. **2003.** Identifying sources of error for ground-based and aerial telemetry of wide-ranging birds using a geographic information system. *Journal of Raptor Research* 37:174-151.
62. Kurunthachalam, S.K., W.W. Bowerman, T.L. DeVault, T. Takasuga, I.L. Brisbin, Jr., O.E. Rhodes, Jr., and S. Masunaga. **2003.** Chlorinated hydrocarbon contaminants in blood of black and turkey vultures from the Savannah River Site. *Chemosphere* 53:173-182.
63. DeVault, T.L., O.E. Rhodes, Jr., and J.A. Shivik. **2003.** Scavenging by vertebrates: behavioral, ecological, and evolutionary perspectives on an important energy transfer pathway in terrestrial ecosystems. *Oikos* 102:225-234.
64. DeVault, T.L., O.E. Rhodes, Jr., and L.M. Smith. **2003.** Condition indices of wintering American wigeon (*Anas americana*). *Wildlife Society Bulletin* 31:1132-1137.
65. Williams, C.L., B. Lundrigan, and O.E. Rhodes, Jr. **2003.** Analysis of microsatellite variation in tule elk. *Journal of Wildlife Management* 68:109-119.
66. Malone, C. L., J. C. deVos, Jr., J. R. Heffelfinger, and O. E. Rhodes, Jr. **2003.** Genetic distinction of the Sonoran pronghorn. *Proceedings of the 20th Biennial Pronghorn Antelope Workshop (In Press)*
67. Beheler, A.S., O.E. Rhodes, Jr., and H.P. Weeks, Jr. **2003.** Breeding site and mate fidelity in the Eastern Phoebe (*Sayornis Phoebe*). *Auk* 120:990-999.
68. Beheler, A.S. and O.E. Rhodes, Jr. **2003.** Within-season prevalence of extrapair young in broods of double brooded and mate-faithful eastern phoebes (*Sayornis phoebe*). *Auk* 120:1054-1061.
69. Beheler, S.A., J.A. Fike, L.M. Murfitt and O.E. Rhodes, Jr. **2004.** Development of polymorphic microsatellite loci for North American river otters (*Lontra Canadensis*) and amplification in related Mustelids. *Molecular Ecology Notes* 4:56-58.

70. Victory, E., K. Woeste and O.E. Rhodes, Jr. **2004**. History of black walnut genetics in North America. Pages 1-8 *In* C.H. Michler et al. Eds., *Black Walnut in a New Century, Proceedings of the 6th Walnut Council Research Symposium*. Gen. Tech. Rep. NC-243. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station.
71. Glaubitz J.C., Robichaud R.L., Woeste K. and Rhodes O.E. Jr. **2004**. Towards guidelines for harvest intensities with minimal impact upon retained genetic diversity in central hardwood tree species. In: Yaussy D.A., Hix D.M., Long R.P., and Goebel P.C. (eds) *Proceedings, 14th Central Hardwood Forest Conference*; 2004 March 16-19; Wooster, OH. General Technical Report NE-316. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northeastern Research Station, pp. 395-403. [CD-ROM]
72. DeVault, T.L., I.L. Brisbin, and O.E. Rhodes, Jr. **2004**. Factors influencing the acquisition of rodent carrion by vertebrate scavengers and decomposers. *Canadian Journal of Zoology* 82:502-509.
73. Mock, K.E., E.K. Latch, and O.E. Rhodes, Jr. **2004**. Assessing losses of genetic diversity due to translocation: long-term case histories in Mirriam's turkey (*M.g.merriami*). *Conservation Genetics (In Press)*
74. DeVault, T.L., B.D. Rhinehart, I.L. Brisbin, and O.E. Rhodes, Jr. **2004**. Home ranges of sympatric Black and Turkey Vultures in South Carolina. *Condor* 106:706-711.
75. Webb, S. L., A. M. Fedynich, S. K. Yeltatzie, T. L. DeVault, and O. E. Rhodes, Jr. **2004**. Survey of blood parasites in black and turkey vultures from South Carolina. *Southeastern Naturalist (In Press)*
76. Serfass, T.L., R. P. Brooks, L.M. Rymon, and O.E. Rhodes, Jr. **2004**. Otters in Pennsylvania, USA: lessons for predator reintroduction. *Proceedings of the Otters in Europe Conference*. J. Conroy ed., 30 June – 5 July, 2003. Scotland. (*In Press*)
77. DeVault, T. L., B. D. Reinhart, I. L. Brisbin, Jr., and O. E. Rhodes, Jr. **2004**. Flight behavior of black and turkey vultures: implications for reducing bird-aircraft collisions. *Journal of Wildlife Management (In Press)*