

Diane L. Neudorf
Associate Professor
Biological Science
College of Arts and Sciences

Degrees Earned

Ph.D. "with distinction" Biology. York University, North York, ON 1996
 M.Sc. Zoology. University of Manitoba, Winnipeg, MB 1991
 B.Sc. Zoology. University of Manitoba, Winnipeg, MB 1988

Peer-Review Publications

Articles

- D’Orazio, K.A. and D.L.H. Neudorf. In press. Nest defense in Carolina Wrens. *Wilson Journal of Ornithology*.
- Gill, S.A., Neudorf, D.L.H., and Sealy, S.G. In press. Hosts do not discriminate between sexually dichromatic male and female brown-headed cowbirds. *Ethology*.
- Neudorf, D.L.H., Stutchbury, B.J.M. and Piper, W.H. 2008. The function of breeding season chip calls by female hooded warblers. *Behaviour* 145:231-250.
- Neudorf, D.L.H., Bodily, R.A. and Shane, T. 2006. Lark Bunting (*Calamospiza melanocorys*): A Technical Conservation Assessment. USDA Forest Service, Rocky Mountain Region Species Conservation Project. Online Publication available at:
 <<http://www.fs.fed.us/r2/projects/scp/assessments/larkbunting.pdf>>
- Bodily, R.A. and Neudorf, D.L.H. 2004. Mate guarding in northern mockingbirds. *Texas Journal of Science* 56:207-214.
- Neudorf, D.L.H. 2004. Extrapair paternity in birds: understanding variation among species. *Auk* 12:302-307.
- McGlothlin, J.W., Neudorf, D.L.H., Casto, J.M., Nolan JR., V., and Ketterson, E.D. 2004. Elevated testosterone reduces choosiness in female dark-eyed juncos (*Junco hyemalis*): evidence for a hormonal constrain on sexual selection? *Proceedings of the Royal Society of London: Biological Sciences* 271:1377-1384.
- McMaster, D.G., Neudorf, D.L.H., Sealy, S.G. and Pitcher, T.E. 2004. A comparative analysis of laying times in passerine birds. *Journal of Field Ornithology* 75:113-122.
- Evans Ogden, L.J., Neudorf, D.L.H., Pitcher, T.E. and Stutchbury, B.J.M. 2003. Female song in the hooded warbler. *Northeastern Naturalist* 10:457-464.

- Neudorf, D. L., Ziolkowski, D. J., Nolan, V., and Ketterson, E. D. 2002. Testosterone manipulation of male attractiveness has no detectable effect on female home-range size and behavior during the fertile period. *Ethology* 108: 713-726.
- Neudorf, D. L. and Sealy, S. G. 2002. Distress calls in birds of a Neotropical cloud forest. *Biotropica* 34:129-137.
- McMaster, D.G., Sealy, S.G., Gill, S.A. and Neudorf, D.L. 1999. Timing of egg laying in Yellow Warblers. *Auk* 116: 236-240.
- Gill, S.A., Neudorf, D.L., and Sealy, S.G. 1997. Host responses to cowbirds near the nest: cues for recognition. *Animal Behaviour* 53:1287-1293.
- Neudorf, D.L. and Pitcher, T. E. 1997. Radio transmitters do not affect nestling feeding rates by female Hooded Warblers. *Journal of Field Ornithology* 68:64-68.
- Stutchbury, B.J.M., Piper, W.H., Neudorf, D.L., Tarof, S.A., Rhymer, J.M., Fuller, G., and Fleishcher, R.C. 1997. Correlates of extra-pair fertilization success in hooded warblers. *Behavioural Ecology and Sociobiology* 40:119-126.
- Neudorf, D.L. and Tarof, S.A. 1998. The role of chip calls in winter territoriality of yellow warblers. *Journal of Field Ornithology* 60:30-36.
- Stutchbury, B.J.M. and Neudorf, D.L. 1998. Female control, breeding synchrony and the evolution of extra-pair mating systems. IN: *Avian reproductive tactics: female and male perspectives*. Ornithological Monographs 49, American Ornithologists' Union, Washington, D.C. Parker, P.G. and Burley, N.T. (Eds.).
- Neudorf, D.L., Stutchbury, B.J.M. and Piper, W.H. 1997. Covert extra-territorial behaviour of female hooded warblers. *Behavioral Ecology* 8, 595-600.
- Gill, S.A., Neudorf, D.L., and Sealy, S.G. 1997. Host responses to cowbirds near the nest: cues for recognition. *Animal Behaviour* 53:1287-1293.
- Neudorf, D.L. and Pitcher, T. E. 1997. Radio transmitters do not affect nestling feeding rates by female Hooded Warblers. *Journal of Field Ornithology* 68:64-68.
- Stutchbury, B.J.M., Piper, W.H., Neudorf, D.L., Tarof, S.A., Rhymer, J.M., Fuller, G., and Fleishcher, R.C. 1997. Correlates of extra-pair fertilization success in hooded warblers. *Behavioural Ecology and Sociobiology* 40:119-126.
- Csada, R.D. and Neudorf, D.L. 1995. Effects of predation risk on mate choice in female *Acheta domesticus* crickets. *Ecological Entomology* 20:393-395.
- Sealy, S.G. and Neudorf, D.L. 1995. Male Northern Orioles eject cowbird eggs: implications for the evolution of rejection behavior. *Condor* 97:369-375.

Sealy, S.G., Neudorf, D.L. and Hill, D.P. 1995. Rapid laying by Brown-headed Cowbirds (*Molothrus ater*) and other brood parasites. *Ibis* 137:76-84.

Neudorf, D.L. and Blanchfield, P.J. 1994. The Slate-colored Seedeater (*Sporophila schistacea*): a bamboo specialist? *Ornitologia Neotropical* 5:129-132.

Neudorf, D.L. and Sealy S.G. 1994. Sunrise nest attentiveness in cowbird hosts. *Condor* 96:162-169.

Neudorf, D.L. and Sealy, S.G. 1992. Reactions of four passerine species to the threats of predation and cowbird parasitism: enemy recognition or generalized responses? *Behaviour* 123:84-105.

Chapters:

Ketterson, E.D., Nolan, V. Jr., Casto, J.M., Buerkle, C.A., Clotfelter, E., Grindstaff, J.L., Jones, K.J., Lipar, J.L., McNabb, F.M.A., Neudorf, D.L., Parker-Renga, I., Schoech, S.J. and Snajdr, E. 2001. Testosterone, phenotype, and fitness: a research program in evolutionary behavioral endocrinology. *In* A. Dawson and C.M. Chaturvedi (eds.), *Avian Endocrinology*. Pp. 19-40. Narosa Publishing House, New Delhi, India.

Sealy, S.G., McMaster, D.G., Gill, S.A. and Neudorf, D.L. 2000. Early morning attentiveness at Yellow Warbler nests: anti-parasite strategy or incubation behavior? *IN: The ecology and management of cowbirds*. Robinson, S.K., Rothstein, S.I., Sealy, S.G., and Smith, J.M.N. (Eds.). University of Texas Press. Pp. 169-177.

Sealy, S.G., Neudorf, D.L., Hobson, K.A. and Gill, S.A. 1998. Nest defense by potential hosts of the Brown-headed Cowbird: methodological approaches, benefits of defense, and coevolution. *IN: Parasitic birds and their hosts: studies in coevolution*. Rothstein, S.I. and Robinson, S.K. (Eds.). Pp 194-211. Oxford University Press.

Technical Reports:

Neudorf, D.L.H. 2005. An inventory of birds at the Texas Army National Guard Training Site at Fort Wolters. Prepared for the Texas Army National Guard.

Funded External Grants

Neudorf, D. L. H. and Lutterschmidt, W. I. 2007. Research Experiences for Undergraduates in Experimental Field Biology at Sam Houston State University. National Science Foundation REU Program. (**\$287137**).

Jones, D. and Neudorf, D.L.H. 2007. Winter survey of Bachman's Sparrow (*Aimophila aestivalis*) in the Post Oak Savannah Ecological Region in Texas. Texas Parks and Wildlife. (**\$19455**).

Neudorf, D.L.H. 2004. An inventory of birds at the Texas Army National Guard Training Site at Fort Wolters. (**\$30014**)

Neudorf, D. L. H. and Lutterschmidt, W. I. 2004. Research Experiences for Undergraduates in Experimental Field Biology at Sam Houston State University. National Science Foundation REU Program. (**\$151059**).

Neudorf, D.L.H. Lark Bunting (*Calamospiza melanocorys*): A Technical Conservation Assessment. USDA Forest Service, Rocky Mountain Region Species Conservation Project. (**\$2946**).

Peer-reviewed Presentations/Posters

Quiroz, G. and Neudorf, D.L.H. 2007. Responses of Carolina Wren nestlings to parental alarm calls. Wilson Ornithological Society Annual Meeting. Sheraton Colonial Hotel, Wakefield, MA. March 22-25, 2007.

Lutterschmidt, W.I. and Neudorf, D.L.H. 2007. Mentoring in an REU program: introducing students to the professional responsibilities of being a biologist. National Science Foundation Biology Research Experience for Undergraduates (REU) Site Director's Workshop. Arlington, VA . March 8-9, 2007.

Brodrick-Christian, M.J. and D.L.H. Neudorf. 2007. Parental provisioning rates to nestlings in the genetically monogamous Carolina Wren. Annual Meeting of the Texas Academy of Sciences. Waco, TX. March 1-3, 2007.

Humbird, S.K. and Neudorf, D.L.H. 2007. Dominance and flocking behavior in wintering Northern Cardinals (*Cardinalis cardinalis*). Annual Meeting of the Texas Academy of Sciences. Waco, TX. March 1-3, 2007.

Quiroz, G. and Neudorf, D.L.H. 2007. Responses of Carolina Wren nestlings to parental alarm calls. Annual Meeting of the Texas Academy of Sciences. Waco, TX. March 1-3, 2007.

Humbird, S.K. and Neudorf, D.L.H. 2006. Dominance and flocking behavior in wintering Northern Cardinals (*Cardinalis cardinalis*). Animal Behavior Society Meeting Annual Meeting. Snowbird, UT. 12-16 Aug.

Quiroz, G. and Neudorf, D.L.H. 2006. Dominance and flocking behavior in wintering Northern Cardinals (*Cardinalis cardinalis*). Animal Behavior Society Meeting Annual Meeting. Snowbird, UT. 12-16 Aug.

- Humbird, S.K. and Neudorf, D.L.H. 2006. Extra-pair mating tactics in the Northern Cardinal (*Cardinalis cardinalis*): a test of the constrained female hypothesis. 53rd Annual Meeting of the Southwestern Association of Naturalists. Colima, Mexico. 13-15 April 2006.
- Humbird, S.K. and Neudorf, D.L.H. 2006. Dominance and flocking behavior in wintering Northern Cardinals (*Cardinalis cardinalis*). 53rd Annual Meeting of the Southwestern Association of Naturalists. Colima, Mexico. 13-15 April 2006.
- Humbird, S.K. and Neudorf, D.L.H. 2006. Extra-pair mating tactics in Northern Cardinals (*Cardinalis cardinalis*): a test of the constrained female hypothesis". 109th Annual Meeting of the Texas Academy of Science. Lamar University, Beaumont, TX. March 2-4, 2006.
- Bodbyl, S., Humbird, S.K. and Neudorf, D.L.H. 2005. Northern Cardinal (*Cardinalis cardinalis*) response to conspecific model presentation: extra-pair copulation solicitation and avoidance behavior. Sigma Xi Student Research Conference, Seattle, WA Nov. 3-5, 2005.
- Brodrick, M. J. and Neudorf, D.L.H. 2005. An investigation of parental feeding rates in a Texas population of Carolina Wrens (*Thryothorus ludovicianus*). Sigma Xi Student Research Conference, Seattle, WA Nov. 3-5, 2005.
- Humbird, S.K. and Neudorf, D.L.H. 2005. Extra-pair mating tactics in the Northern Cardinal (*Cardinalis cardinalis*): a test of the constrained female hypothesis. 123rd Meeting of the American Ornithologists' Union. University of California, Santa Barbara, CA. 23-27 Aug. 2005
- Humbird, S.K. and Neudorf, D.L.H. 2005. Extra-pair mating tactics in the Northern Cardinal (*Cardinalis cardinalis*): a test of the constrained female hypothesis. Sigma Xi Student Research Conference, Seattle, WA Nov. 3-5, 2005.
- Neudorf, D.L.H. 2005. Avifaunal survey of a National Guard training site within the Post Oak Savannah Ecoregion of Texas. 123rd Meeting of the American Ornithologists' Union. University of California, Santa Barbara, CA. 23-27 Aug. 2005.
- Quiroz, G. and Neudorf, D.L.H. 2005. Nest vigilance by male Carolina Wrens during incubation. 123rd Meeting of the American Ornithologists' Union. University of California, Santa Barbara, CA. 23-27 Aug. 2005
- Ramon, P.A. and Neudorf, D.L.H. 2005. Investigation of the use of song and territory in paternity guarding behavior of the Carolina Wren. American Association for the Advancement of Science. Washington DC Feb. 17-21, 2005.

- Neudorf, D.L.H. 2004. A survey of birds of Fort Wolters. Texas National Guard Natural Resources Conference. Austin, TX. May 14-16, 2004.
- Ramon, P. and D. Neudorf. 2004. An investigation of the use of song and territory defense in paternity guarding behavior of the Carolina Wren. 4th Annual Houston Louis Stokes Alliance for Minority Participation Conference (H-LSAMP) at University of Houston Main Campus, Houston, TX. Oct. 1-3, 2004.
- Escobar, S., Bush, D., Dewees, A., and D. Neudorf. 2004. Microsatellite DNA markers for the Carolina Wren. 31st Annual Meeting of the Texas Genetics Society. South Padre Island, TX Apr. 15-18, 2004.
- Quiroz, G. and D.L.H. Neudorf. 2004. Nest vigilance by male Carolina wrens during incubation. 107th Annual Meeting of the Texas Academy of Science. Schreiner University, Kerrville, TX Mar. 4-6, 2004.
- Escobar, S., Bush, D., Dewees, A., and D. Neudorf. 2004. Microsatellite DNA markers for the Carolina Wren. 107th Annual Meeting of the Texas Academy of Science. Schreiner University, Kerrville, TX Mar. 4-6, 2004.
- Quiroz, G. and Neudorf, D.L.H. 2003. Nest vigilance by male Carolina Wrens during incubation. Sigma Xi Student Research Conference. Los Angeles, Ca Nov. 14-16, 2003. Second place award.
- Ferguson, H. Neudorf, D. and W. Lutterschmidt. Influence of habitat on nest-box microclimate and nest success of Carolina wrens (*Thryothorus ludovicianus*). 65th Annual Meeting of the Association of Southeastern Biologists. Memphis, TN. April 14 -17, 2004.
- D'Orazio, K. A. and Neudorf, D. L. 2003. Nest defense in the Carolina Wren (*Thryothorus ludovicianus*). Texas Academy of Science, 106th annual meeting, Stephen F. Austin State University, Nacogdoches, Feb. 28- Mar. 1, 2003.
- D'Orazio, K.A. and Neudorf, D.L. 2002. Nest defense in the Carolina Wren (*Thryothorus ludovicianus*). Third North American Ornithological Conference, New Orleans, LA Sept. 24-28, 2002.
- McGlothlin, J.W., Neudorf, D.L., Casto, J.M., Nolan Jr., V. and E. D. Ketterson. 2002. Elevated testosterone alters mate preference in female dark-eyed juncos (*Junco hyemalis*): evidence for a hormonal constraint on sexual selection Presented at the 39th Annual Meeting of the Animal Behavior Society, Bloomington, IN, July 13-17, 2002.
- Bodily, R.A. and D.L. Neudorf. 2002. Mate guarding and paternity in the Northern Mockingbird. 115th meeting of the Texas Academy of Sciences, Texas A and M International University, Laredo, TX Feb. 28 - Mar 2, 2002.

- Bodily, R.A. and D.L. Neudorf. 2002. Mate guarding and paternity in the Northern Mockingbird. 49th meeting of the Southwestern Association of Naturalists Universidad Autónoma del Estado de Morelos, Cuernavaca, México. April 25-27, 2002.
- Bagley, P., Barker, R., Neudorf, D.L., and D. Bates. 2002. Developing a new course: from conception to textbook. WAC 2002: The 6th National Writing Across the Curriculum Conference. Rice University, Houston, TX Mar. 7- 9, 2002.
- Neudorf, D.L., McGlothlin, J.W., Casto, J.M., Nolan JR., V. and Ketterson, E.D. 2001. The effect of elevated testosterone on female mate choice in Dark-eyed Juncos. Presented at the 119th meeting of the American Ornithologists Union. Aug. 13-18, 2001. University of Washington, Seattle, WA.
- Neudorf, D.L., and Sealy, S.G. 2001. Distress calls in birds of a Neotropical cloud forest. Presented at the 104th meeting of the Texas Academy of Science. March 1 - 3, 2001. Southwest Texas University (Kingsville), Kingsville, TX.
- Bodily, R.A. and Neudorf, D.L. 2001. Mate guarding and extra-pair paternity in the Northern Mockingbird (*Mimus polyglottos*). Presented at the TriBeta Regional Convention, Lake Texoma, OK, April 6-8, 2001.
- McGaha, H.R. and Neudorf, D.L. 2000. Effects of dual species brood parasitism on the nesting success of Northern Cardinals. Presented at the 103rd meeting of the Texas Academy of Science. March 9 - 11, 2000. Texas A and M (Kingsville), Kingsville, TX.
- Neudorf, D.L., Ziolkowski Jr., D.J., Ketterson, E.D., and Nolan, Jr., V. 2000. Extra-pair mating behavior in female Dark-eyed Juncos. Presented at the 103rd meeting of the Texas Academy of Science. March 9 - 11, 2000. Texas A and M (Kingsville), Kingsville, TX.
- Hagen, E.N., Neudorf, D.L., and Kelrick, M. 2000. Nest site location as an extra-pair mating tactic in female Dark-eyed Juncos (*Junco hyemalis*). National Conference on Undergraduate Research April 27-29, 2000, University of Montana, Missoula.
- McGaha, H.R. and Neudorf, D.L. 2000. Effects of nest-site characteristics on brood parasitism by two cowbird species. Presented at the 47th annual meeting of the Southwestern Association of Naturalists. April 20 - 22, 2000. University of North Texas, Denton, TX.
- Neudorf, D.L., Ziolkowski Jr., D.J., Ketterson, E.D., and Nolan, Jr., V. 1999. Extra-pair mating behavior in Dark-eyed Juncos: the role of the female. Presented at the 117th stated meeting of the American Ornithologists' Union, 10-14 August. Cornell University, Ithaca, NY.

- Ziolkowski Jr., D.J., Neudorf, D.L., Ketterson, E.D., and Nolan, Jr., V. 1999. Female roosting behavior in Dark-eyed Juncos in relation to extra-pair mating. Presented at the 117th stated meeting of the American Ornithologists' Union, 10-14 August. Cornell University, Ithaca, NY.
- McGaha, H. R. , Thies, M.L. and Neudorf, D.L. 1999. Effects of dual-species brood parasitism on the nesting success of Northern Cardinals. Welder Biennial Symposium, 7 August.
- Sealy, S.G., Neudorf, D.L. and McMaster, D.G. 1998. Time of day of egg laying in a riparian bird community. Presented at the North American Ornithological Conference, St. Louis, Missouri.
- Neudorf, D.L., Stutchbury, B.J.M., and Piper, W.H. 1996. Overt and covert mixed mating tactics of female hooded warblers. Presented at the 33rd meeting of the Animal Behavior Society, Northern University of Arizona, Flagstaff.
- Neudorf, D.L. 1995. Mechanisms for female control of extra-pair fertilizations in Hooded Warblers. Poster presentation at the 113th meeting of the American Ornithologists' Union, Cincinnati, Ohio.
- Neudorf, D.L. and Stutchbury, B.J. 1994. Fertility advertisement: a mechanism for female control of extra-pair fertilizations in Hooded Warblers? Presented at the 5th meeting of the International Behavioural Ecology Congress, University of Nottingham, England.
- Neudorf, D.L., Gill, S.A., and Sealy, S.G. 1993. Responses of Yellow Warblers and Red-winged Blackbirds to models of male and female cowbirds. Presented at the North American Workshop on the Ecology and Management of Cowbirds, Austin, Texas.
- Neudorf, D.L. and Sealy, S.G. 1993. Sunrise nest attentiveness in hosts of the Brown-headed Cowbird (*Molothrus ater*). Presented at the 30th meeting of the Animal Behavior Society, University of California, Davis.
- Sealy, S.G., Neudorf, D.L. and Hill, D.P. 1993. Rapid laying by the Brown-headed Cowbird and other brood parasites. Presented at the 30th meeting of the Animal Behavior Society, University of California, Davis.
- Neudorf, D.L. and Sealy, S.G. 1993. Sunrise vigilance by cowbird hosts: does it prevent parasitism? Presented at the 74th meeting of the Wilson Ornithological Society, Guelph.
- Neudorf, D.L. 1991. Interspecific variation in nest defense against a brood parasite. Presented at the 109th annual American Ornithologists' Union Meeting, Montreal, Quebec.
- Neudorf, D.L. 1991. Interspecific variation in nest defense against a brood parasite. Presented at the 25th annual Prairie University Biological Seminars, Grand Forks, North Dakota.

Neudorf, D.L. 1990. Nest defense in four host species of the Brown-headed Cowbird.
Presented at the 24th annual Prairie University Biological Seminars, Edmonton, Alberta.

Professional Experience

Associate Professor

Dept. Biological Sciences, Sam Houston State University, Huntsville, TX (2005-present)

Assistant Professor

Dept. Biological Sciences, Sam Houston State University, Huntsville, TX (1999-2005)

Director

Texas Bird Sound Library, Sam Houston State University, Huntsville, TX (1999-present)

Curator of Birds

Sam Houston State Vertebrate Museum, Huntsville, TX (1999-present)

Natural Sciences and Engineering Research Council of Canada (NSERC) Postdoctoral Fellow Dept. of Biology, Indiana University (1997-1998)

Assistant Professor and Postdoctoral Research Associate

Dept. of Biology, Pomona College, Claremont, CA (1996-1997)

Graduate Teaching Assistant in Biology

Dept. of Biology, York University, North York, ON (1992 -1995)

Research Assistant in Behavioral Ecology

Dept. of Zoology, University of Manitoba, Winnipeg, MB (1991)

Teaching Assistant in Introductory Biology and Ornithology

Dept. of Zoology, University of Manitoba, Winnipeg, MB (1987-1991)

Research Assistant in Fish Endocrinology

Dept. of Fisheries and Oceans, Winnipeg, MB (May – August 1987, 1988)

Research Assistant in Fish Behavior

Dept. of Fisheries and Oceans, Winnipeg, MB (May – August 1986)

Honors and Awards

American Ornithologists' Union – Elective Member (as of 2005)

Sam Houston State University College of Arts and Sciences Special Recognition Award 2003-04

Sam Houston State University College of Arts and Sciences Special Recognition Award 2002-03