

VAL NOLAN, JR.

Ecology/Evolutionary Biology April 28, 1920

Degrees:

1941 A.B., Indiana University (highest honors)
 1944 14-month program in Japanese, equivalent to A.M., Univ. of CO (valedictorian)
 1949 J.D., Indiana University (highest distinction)

APPOINTMENT INFORMATION

Positions Held at Other Institutions:

1984 Summer Professor of Biology, University of Virginia, Mountain Lake Biological Station

Positions Held at Indiana University (including leaves):

1949-52 Assistant Professor of Law
 1952-56 Associate Professor of Law
 1956-85 Professor of Law
 1957-58 Leave of Absence, and in four subsequent scattered semesters--most recently in autumn of 1980
 1957-65 Research Scholar, Zoology
 1966-85 Professor of Zoology (subsequently Biology)
 1976 Acting Dean, School of Law
 1980 Acting Dean, School of Law
 1985- Professor Emeritus of Biology and Professor Emeritus of Law

AWARDS

1957-58 Guggenheim Fellow (two projects, one legal and one biological)
 1976 Fellow, American Ornithologists Union; Elective Member of Council; Vice-President, 1989-90
 1982 Fellow, American Association for the Advancement of Science
 1986 Brewster Award, American Ornithologists' Union (most meritorious work on birds of western hemisphere in last ten years)
 1987 Indiana University Distinguished Alumni Service Award
 1989 Indiana University Academy of Law Alumni Fellows

1998 Margaret Morse Nice Award, Wilson Ornithological Society (A lifetime achievement, @ with Ellen D. Ketterson)

PUBLICATIONS (since 1975)

Books:

Nolan, V., Jr. 1978. Ecology and behavior of the prairie warbler Dendroica discolor. American Ornithologists' Union. Ornithological Monographs 26:1-595

Papers:

Nolan, V. Jr., C.F. Thompson, and M. Carey. 1975. Abstract: Fidelity of indigo buntings Passerina cyanea to sites occupied in previous breeding seasons. Emu (Royal Australasian Ornithologists' Union) 74 (Suppl.):289

Nolan, V. Jr., and C.F. Thompson. 1975. Occurrence and significance of anomalous reproductive activities in two North American nonparasitic cuckoos. Coccyzus spp. Ibis 117:496-503

Carey, M. and V. Nolan Jr. 1975. Polygyny in indigo buntings: a hypothesis tested. Science 190:1296-1297

Nolan, V. Jr. 1975. External differences in newly hatched yellow-billed and black-billed cuckoos (Coccyzus americanus and C. erythrophthalmus). Condor 77:341

Ketterson, E.D. and V. Nolan Jr. 1976. Geographic variation and its climatic correlates in the sex ratio of eastern wintering dark-eyed juncos (Junco hyemalis). Ecology 57:679-693

Nolan, Jr. V. and C.F. Thompson. 1978. Egg volume as a predictor of hatchling weight in the brown-headed cowbird (Molothrus ater). Wilson Bulletin 90:353-358

Nolan Jr., V. 1978. Ecology and behavior of the prairie warbler Dendroica discolor. American Ornithologists' Union, Ornithological Monographs 26:1-595

Nolan Jr., V. and C.F. Thompson. 1978. Egg volume as a predictor of hatchling weight in the brown-headed cowbird (Molothrus ater). Wilson Bulletin 90:353-355

Ketterson, E.D. and V. Nolan Jr. 1978. Overnight weight loss in dark-eyed juncos (Junco hyemalis). Auk 95:755-758

Carey, M. and V. Nolan Jr. 1979. Population dynamics of the indigo bunting and the evolution of avian polygyny. Evolution 33:1180-1192

Ketterson, E.D. and V. Nolan Jr. 1979. Seasonal, annual, and geographic variation in sex ratio of wintering populations of dark-eyed juncos (Junco hyemalis). Auk 96:522-536

- Ketterson, E.D. and V. Nolan Jr. 1982. The role of migration and winter mortality in the life history of a temperate-zone migrant, the dark-eyed junco, as determined from demographic analyses of winter populations. *Auk* 99:243-259
- Ketterson, E.D. and V. Nolan Jr. 1983. The evolution of differential bird migration. *In* *Current Ornithology* 1:357-402. Plenum Press, New York
- Nolan, V. Jr. and E.D. Ketterson. 1983. An analysis of body mass, wing length, and visible fat deposits of dark-eyed juncos wintering at different latitudes. *Wilson Bulletin* 95:603-620
- Ketterson, E.D. and V. Nolan Jr. 1983. Behavior of migratory dark-eyed juncos following release in the winter range during the breeding season. *Journal of Field Ornithology* 54:387-393
- Ketterson, E.D. and V. Nolan Jr. 1983. Autumnal Zugunruhe and migratory fattening of dark-eyed juncos apparently suppressed by detention at the wintering site. *Wilson Bulletin* 95:629-635
- Blank, J. and V. Nolan Jr. 1983. Offspring sex ratio in red-winged blackbirds is determined by maternal age. *Publications of National Academy of Science* 80:6141-6145
- Ketterson, E.D. and V. Nolan Jr. 1983. The evolution of differential bird migration. *In* *Current Ornithology* (R.F. Johnston ed.), 1:357-402. Plenum Press, New York
- Ketterson, E.D. and V. Nolan Jr. 1985. Intraspecific variation in avian migration patterns. *In*: *Migration: Mechanisms and Adaptive Significance* (ed. M.A. Rankin), University Texas, *Contrib. Marine Sci. Suppl.* 27:553-579
- Nolan, V. Jr., E.D. Ketterson and L. Wolf. 1986. Long-distance homing by non-migratory dark-eyed juncos. *Condor* 88:539-542
- Ketterson, E.D. and V. Nolan, Jr. 1986. Effect of winter laparotomy on long-term survival of tree sparrows and dark-eyed juncos. *J. Field Ornith.* 57:239-240
- Walton, R. and V. Nolan, Jr. 1986. Imperfect information and the persistence of pretenders: male prairie warblers contesting for territory. *American Naturalist* 128:427-432
- Ketterson, E.D. and V. Nolan, Jr. 1987. Suppression of autumnal migratory unrest in dark-eyed juncos held during summer on, near, or far from their previous wintering sites. *Auk* 104:303-310
- Ketterson, E.D. and V. Nolan, Jr. 1987. Spring and summer confinement of dark-eyed juncos at autumn migratory destination suppresses normal autumn behavior. *Animal Behaviour* 35:1744-1753
- Rogers, C.M., E.D. Ketterson and V. Nolan, Jr. 1987. Predation risk and fasting capacity: do wintering birds maintain optimal body mass? *Bull. Ecological Society America*

- Wolf, L., E.D. Ketterson, and V. Nolan Jr. 1988. Paternal influence on growth and survival of dark-eyed junco young: do parental males benefit? *Animal Behaviour* 36:1601-1618
- Ketterson, E.D. and V. Nolan Jr. 1988. A possible role for experience in the regulation of the timing of bird migration. *Proc. XIXth Int. Ornith. Congr. (Ottawa) Vol. II*, pp. 2169-2179
- Sniegowski, P., E.D. Ketterson, and V. Nolan Jr. 1988. Can experience alter the avian annual cycle? Results of migration experiments in indigo buntings. *Ethology* 79:333-341
- Jackson, W.M., S. Rohwer and V. Nolan, Jr. 1989. Within-season breeding dispersal in prairie warblers and other passerines. *Condor* 91:233-241
- Rogers, C.M., T. Theimer, V. Nolan Jr., and E.D. Ketterson. 1989. Does dominance determine how far dark-eyed juncos (*Junco hyemalis*) migrate into the winter range? *Animal Behaviour* 37:498-506
- Murray, B.G., Jr. and V. Nolan, Jr. 1989. The evolution of clutch size: An equation for predicting clutch size. *Evolution* 43:1699-1705
- Ketterson, E.D. and V. Nolan Jr. 1990. Site attachment and site fidelity in migratory birds: experimental evidence from the field and analogies from neurobiology. *In: Bird Migration*, E. Gwinner (ed.), Springer Verlag pp. 117-129
- Wolf, L., E.D. Ketterson, and V. Nolan Jr. 1990. Behavioral response of female dark-eyed juncos to the experimental removal of their mates: implications for the evolution of male parental care. *Animal Behaviour* 39:125-134
- Nolan, V. Jr. and E.D. Ketterson. 1990. Effect of long days on molt and autumn migratory state of site-faithful juncos held at their winter sites. *Wilson Bull.* 102:469-479
- Nolan, V. Jr. and E.D. Ketterson. 1990. Timing of autumn migration and its relation to winter distribution in dark-eyed juncos. *Ecology* 71:1267-1278
- Cristol, D.A., Nolan, V., Jr., and E.D. Ketterson. 1990. Effect of prior residence on dominance status of dark-eyed juncos (*Junco hyemalis*). *Animal Behaviour* 38:580-586
- Ketterson, E.D., V. Nolan, Jr., L. Wolf, and A. Goldsmith. 1990. Effect of sex, stage of reproduction, season, and mate removal on prolactin in dark-eyed juncos (*Junco hyemalis*). *Condor* 92:922-930
- Nolan, V. Jr. and E.D. Ketterson. 1991. Experiments on winter-site fidelity in young dark-eyed juncos. *Ethology* 87:123-133
- Wolf, L., E.D. Ketterson, and V. Nolan, Jr. 1991. Female condition and delayed benefits to males that provide parental care: a removal study. *Auk* 108:371-380

- Ketterson, E.D., V. Nolan, Jr., C. Ziegenfus, D.P. Cullen and M. Cawthorn. 1991. Nonbreeding season attributes of male dark-eyed juncos that acquired breeding territories in their first year. Proc. XXth Internat. Ornith. Congress (Christchurch) 1229-1239
- Ketterson, E.D., L. Wolf, C. Ziegenfus, A.M. Dufty, G. Ball and T. Johnsen. 1991. Testosterone and avian life histories: the effect of experimentally elevated testosterone on corticosterone, body mass, and annual survivorship of male dark-eyed juncos. *Hormones and Behavior* 25:489-503
- Nolan, V. Jr., E.D. Ketterson, C. Ziegenfus, D.P. Cullen and C.R. Chandler. 1992. Testosterone and avian life histories: the effect of experimentally elevated testosterone on molt and survival in male dark-eyed juncos. *Condor* 694:364-370
- Ketterson, E.D. and V. Nolan Jr. 1992. Hormones and life histories: an integrative approach. *American Naturalist* 140:S33-S62
- Ketterson, E.D., V. Nolan Jr., L. Wolf and C. Ziegenfus. 1992. Testosterone and avian life histories: effects of experimentally elevated testosterone on behavior and correlates of fitness in the dark-eyed junco (*Junco hyemalis*). *American Naturalist* 140:980-999
- Rogers, C.M., V. Nolan Jr., and E.D. Ketterson. 1993. Geographic variation in winter fat of dark-eyed juncos: displacement to a common environment. *Ecology* 74:1183-1190.
- Rogers, C.M., M. Ramenofsky, E.D. Ketterson, V. Nolan Jr. and J.C. Wingfield. 1993. Plasma corticosterone, adrenal mass, winter weather and season in natural populations of dark-eyed juncos (*Junco hyemalis hyemalis*). *Auk* 110:279-285
- Rogers, C.M., V. Nolan Jr., and E.D. Ketterson. 1994. Winter fattening in dark-eyed juncos: environmental effects, plasticity and interaction with post-breeding migration.
- Chandler, C.R., E.D. Ketterson, V. Nolan, Jr., and C. Ziegenfus. 1994. Effects of testosterone on spatial activity in free-ranging male dark-eyed juncos, *Junco hyemalis*. *Animal Behaviour* 47:1445-1455
- Ketterson, E.D. and V. Nolan, Jr. 1994. Hormones and life histories: an integrative approach In.: Behavioral mechanisms in evolutionary ecology (ed. L.A. Real) pp. 327-353. Univ. Chicago Press, Chicago.
- Ketterson, E.D. and V. Nolan, Jr. 1994. Male parental behavior in birds. *Annual Review Ecology & Systematics* 25:601-628
- Rogers, C.M., V. Nolan Jr. and E.D. Ketterson. 1994. Winter fattening in dark-eyed juncos: environmental effects, plasticity and interaction with post-breeding migration. *Oecologia* 97:526-532
- Nolan, V. Jr., and E.D. Ketterson. 1996. *Current Ornithology*, Vol. 13, 320 pp. + index.. Plenum Press, New York

- Johnsen, T.S., J.D. Hengeveld, J.L. Blank, K. Yasukawa, and V. Nolan Jr. 1996. Epaulet brightness and physical condition in female red-winged blackbirds. *Auk* 113:356-632
- Ketterson, E.D., V. Nolan, Jr., M.J. Cawthorn, P.G. Parker, and C. Ziegenfus. 1996. Phenotypic engineering: using hormones to explore the mechanistic and functional bases of phenotypic variation in nature. *Ibis* 138:1-17
- Chandler, C.R., E.D. Ketterson, and V. Nolan, Jr. 1997. Effects of testosterone on use of space in free-ranging male dark-eyed juncos when their mates are fertile. *Animal Behaviour* 54:543-549
- Enstrom, D.E., E.D. Ketterson, and V. Nolan, Jr. 1997. Testosterone and mate choice in the dark-eyed junco. *Animal Behaviour* 54:1135-1146
- Klukowski, L., M.J. Cawthorn, E.D. Ketterson, and V. Nolan, Jr. 1997. Effects of experimentally elevated testosterone on plasma corticosterone and corticosteroid binding globulin in dark-eyed juncos (*Junco hyemalis*). *General and Comparative Endocrinology* 108:141-151
- Titus, R.C., E.D. Ketterson, and V. Nolan, Jr. 1997. High testosterone prior to song crystallization inhibits singing behavior in captive yearling dark-eyed juncos (*Junco hyemalis*). *Hormones and Behavior* 32:133-140
- Titus, R.C., C.R. Chandler, E.D. Ketterson, and V. Nolan, Jr. 1997. Song rates of dark-eyed juncos do not increase when females are fertile. *Behavioral Ecology and Sociobiology* 41:165-169
- Ketterson, E.D., P.G. Parker, S.A. Raouf, V. Nolan Jr., C. Ziegenfus, and C.R. Chandler. 1997. The relative impact of extra-pair fertilizations on variation in male and female reproductive success in dark-eyed juncos (*Junco hyemalis*). In *Avian Reproductive Tactics: Male and Female perspectives* (P.G. Parker, and N.T. Burley, eds.). *Ornithological Monographs*, No. 49:81-101 Allen Press, Lawrence, KS
- Raouf, S.A., P.G. Parker, E.D. Ketterson, V. Nolan, Jr., and C. Ziegenfus. 1997. Testosterone affects reproductive success by influencing extra-pair fertilizations in male dark-eyed juncos (Aves: *Junco hyemalis*). *Proceedings Royal Society, Series B.*, London 264:1599-1603
- Nolan, V. Jr., E.D. Ketterson and C.F. Thompson (eds.). 1997. *Current Ornithology*, Vol 14. Plenum Press, New York
- Kast, T.L. E.D. Ketterson, and V. Nolan, Jr. 1998. Variation sperm reserves according to season, stage of reproduction, and testosterone treatment in the dark-eyed junco. *Auk* 115:684-693
- Cawthorn, M.J., D.L. Morris, E.D. Ketterson, and V. Nolan, Jr. 1998. Influence of experimentally elevated testosterone on nest defense in dark-eyed juncos. *Animal Behaviour*, 56:617-621
- Hill, J.A., D.E. Enstrom, E.D. Ketterson, and V. Nolan Jr. 1999. Mate choice by captive female dark-eyed juncos: static vs. dynamic traits. *Behavioral Ecology* 10:91-96.

- Lipar, J.L., E.D. Ketterson, V. Nolan Jr., and J.M. Casto. 1999. Egg yolk layers vary in the concentration of steroid hormones in two avian species. *General and Comparative Endocrinology* 115: 220-227
- Nolan, V. Jr., E. D. Ketterson, and C.F. Thompson (eds.). 1999. *Current Ornithology*, vol. 15. Plenum Press, New York.
- Nolan, V.Jr., E.D. Ketterson, and C.A. Buerkle. 1999. Prairie Warbler (*Dendroica discolor*), pp. 1-28 in *The Birds of North America*, No. 455. (A. Poole and F. Gill, eds). The Birds of North America, Inc., Philadelphia, PA.
- Schoech, S., E.D. Ketterson, and V. Nolan Jr. 1999. Exogenous testosterone and the adrenocortical response in the Dark-eyed Junco, *Junco hyemalis*. *Auk* 116:64-72.
- Lipar, J., E.D. Ketterson, and V. Nolan Jr. 1999. Intra-clutch variation in testosterone content of eggs of red-winged blackbirds. *Auk* 116:231-235
- Ketterson, E.D., and V. Nolan Jr. 1999. Exaptation, adaptation, and constraint: a hormonal perspective. *American Naturalist* 153:S4-S25.
- Hudman, S.P., Ketterson, E.D., and V. Nolan Jr. 2000. Effects of time of sampling on oocyst detection and effects of age and experimentally elevated testosterone on prevalence of coccidia in male dark-eyed juncos *Auk*, 117: 1048-1051.
- Lynn, S.E., Houtman, A.M. Weathers, W.W., Ketterson, E.D., and V. Nolan Jr. 2000. Testosterone increases activity but not daily energy expenditure in captive male dark-eyed juncos. *Animal Behaviour* 60:581-587.
- Smulders, T.V., Casto, J.M., Nolan, V. Jr., Ketterson, E.D., and T.J. DeVoogd. 2000. Effects of captivity and testosterone on the volumes of four brain regions in the dark-eyed junco (*Junco hyemalis*). *Journal of Neurobiology* 43: 244-253.
- 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 E. Snajdr. 2001. Testosterone, phenotype, and fitness: a research program in evolutionary behavioral endocrinology. Pp.19-40 in A. Dawson and C.M. Chaturvedi (eds.), *Avian Endocrinology*. Narosa Publishing House, New Delhi, India.
- Casto, J.M., Nolan, V. Jr., and E. D. Ketterson. 2001. Steroid hormones and immune function: experimental studies in wild and captive dark-eyed juncos (*Junco hyemalis*). *American Naturalist* 157:408-420
- Clotfelter, E.D., Nolan, V. Jr., Ketterson, E.D. 2001. The effects of experimentally elevated testosterone and food deprivation on food consumption and prey size preferences in male dark-eyed juncos (*Junco hyemalis*, Emberizidae: Passeriformes). *Ethology* 107, 439-449.
- J.L. Grindstaff, C.A. Buerkle, J.M. Casto, V. Nolan, Jr., and E.D. Ketterson. 2001. Offspring sex ratio is unrelated to male attractiveness in dark-eyed juncos (*Junco hyemalis*). *Behavioral Ecology and Sociobiology* 50:312-316.
- Nolan, V. Jr., and C.F. Thompson (eds.). 2001. *Current Ornithology*, vol. 16. Plenum Press, New York.
- Neudorf, D.L., Ziolkowski, D.J. Jr., Nolan V. Jr., and E.D. Ketterson. 2002. Female home-range size and behavior during the fertile period is not affected by testosterone manipulations of male attractiveness. *Ethology*, in press.

- Nolan, V. Jr., Cristol, D.C. Clotfelter, E.D., Rogers, C.M., Schoech, S.J., E. Snajdr, and E.D. Ketterson. 2003. The Dark-eyed Junco (*Junco hyemalis*), pp. X-xx in *The Birds of North America*, No. xxx. (A. Poole and F. Gill, eds). *The Birds of North America*, Ind., Philadelphia, PA, in press.
- Clotfelter, E.D. Schubert, K.A. Nolan, V. Jr., and E.D. Ketterson. 2003. Mouth colour signals thermal stress in nestling dark-eyed juncos (*Junco hyemalis*). *Ethology*, in press.
- Wolf, W.L., Casto, J.M. Nolan, V. Jr., and E. D. Ketterson. 200x. The effect of female ornamentation on mate choice by male dark-eyed juncos. *Animal Behaviour*, submitted, under revision.
- McGlothlin, J., Neudorf, D.L., Casto, J.M., Nolan, V. Jr., and E.D. Ketterson. 200x. Possible constraints on selection: Elevated testosterone dilutes mate preference in female dark-eyed juncos (*Junco hyemalis*). *Proceedings Royal Society*, submitted, under revision.

Editorial:

1995 - present Editor, *Current Ornithology*, Plenum Press, New York

1998 - present Editor, *Journal of Avian Biology*

Grants:

- 1978-80 NSF, DEB 78-11982, \$60,000 (with E. Ketterson) (D and 1)
- 1981-83 NSF, DEB 81-10457, \$47,000 (with E. Ketterson) (D and I)
- 1984-86 NSF, BNS 83-15348, \$59,567 (with E. Ketterson) (D and 1)
- 1987 American Philosophical Society, \$3,000 (with E. Ketterson) (D)
- 1988-91 NSF, BSR 87-18358, \$215,512 (with E. Ketterson) (D and I)
- 1989-90 NSF, REU Supplement to BSR 87-18358, \$8,087 (with E. Ketterson) (D and 1)
- 1991-94 NSF BSR 91-11498, \$250,000 (with E. Ketterson) (D and 1)
- 1994-97 NSF, IBN 94-08061, \$275,000 (with E. Ketterson) (D and 1), plus supplement of \$29,358 (ROA to A. Houtman and E. Ketterson) (D and 1)
- 1998-03 NSF, IBN-97-28384, \$360,000 (with E. Ketterson) (D and 1)

TEACHING (Ph.D. Advisor)

Buerkle, Alex	1991-97 (co-advised with Ketterson)
Johnsen, Torgeir	1983-91 (co-advised with Ketterson)
Cristol, Dan	1987-93 (co-advised with Ketterson)
Rogers, Christopher	1982-88 (co-advised with Ketterson)
Wolf, Licia	1982-88 (co-advised with Ketterson)
James Hengeveld	
Jim Blank	
Toy Poole	
Michael Monaghan	
Ann Richmond	
William Barnard	
Cindy Patterson	
Claudia Morrison-Parker	(Ph.D. 1977)
Michael Carey	(Ph.D. 1977)
Ellen Ketterson	(Ph.D. 1974)
Glen Kinser	(Ph.D. 1973)
Charles Thompson	(Ph.D. 1971)

PROFESSIONAL ACTIVITIES

Study panels, editorships, invited talks, meetings attended,
colloquial conferences, etc. (1975 to date)

- 1977 American Ornithologists= Union, Berkeley, CA (with E. Ketterson), paper presented
- 1978 AOU, Madison, WI, paper presented (with E. Ketterson)
- 1980 AOU, Fort Collins, CO, paper presented (with E. Ketterson and C.B. Patterson)
- 1982 Midwest Population Biologists' Conference, Bloomington, IN, invited paper (with E. Ketterson)
- 1982 AOU, Chicago, EL, paper presented (with E. Ketterson)
- 1983 AOU, New York, paper presented (with E. Ketterson)
- 1983 International symposium on animal migration, Port Arkansas, TX, invited paper (with E. Ketterson)
- 1985 Animal Behavior Society, Raleigh, NC (with L. Wolf and E. Ketterson)
- 1985 19th International Ethological Conference, Toulouse, France, paper presented (competitive acceptance with E. Ketterson)
- 1985 AOU, Tempe, AZ, paper presented (with L. Wolf and E. Ketterson)
- 1985 AOU, Tempe, AZ, paper presented (competitive acceptance with P. Sniegowski and E. Ketterson)

- 1985 Symposium, Northeast Regional Animal Behavior Society, SUNY Albany, invited paper (with E. Ketterson)
- 1986 Symposium, XIXth International Ornithological Congress, Ottawa, Canada, invited paper (with E. Ketterson)
- 1986 Internatl. Orn. Congress, Ottawa, Canada, paper presented (with P. Sniegowski and E. Ketterson)
- 1987 International Ethological Conference, Madison, WI, paper presented (competitive acceptance, with L. Wolf and E. Ketterson)
- 1987 Ecological Society of America, Columbus, OH, paper presented (with C.M. Rogers and E. Ketterson)
- 1988 International symposium on Physiological and Ecophysiological Aspects of Bird Migration, Tutzing, West Germany, (invited paper, with E. Ketterson) Plenary session chair
- 1989 AOU, Pittsburgh, PA, paper presented (with L. Wolf, E. Ketterson, A. Dufty, G. Ball and C. Ziegenfus)
- 1989 AOU, Pittsburgh, PA, paper presented (with L. Wolf and E. Ketterson)
- 1989 AOU, Pittsburgh, PA, paper presented (with E. Ketterson and D. Cristol)
- 1989-90 Vice President, American Ornithologists= Union
- 1990 Third International Conference on Behavioural Ecology, paper presented (competitive acceptance, with E. Ketterson), Uppsala, Sweden
- 1990 Symposium entitled "Social behaviour in the non-breeding season," invited paper presented (with E. Ketterson), XXth International Ornithological Congress, Christchurch, N.Z.
- 1990 Workshop entitled "Site Fidelity," XXth International Ornithological Congress, Christchurch, N.Z., invited paper presented (with E. Ketterson)
- 1991 AOU, Montreal, Canada, paper with C.R. Chandler, E. Ketterson and C. Ziegenfus, presented by C.R. Chandler
- 1992 Internat. Behav. Ecology Conference, Princeton, NJ, paper with C. Ray Chandler, E.D. Ketterson, paper presented by C.R. Chandler. University of Jyvaskyla, Finland
- 1992-93 Chair, American Ornithologists Union Committee on Awards for Outstanding Research

1992-94 Ketterson presented seminars under the names Ketterson and Nolan at a variety of universities (Michigan, Michigan State, Kentucky, Missouri, Ohio State, Indiana State, Cal-Irvine, North Carolina State, Arizona, Dartmouth, etc.)

1996 Nordic Specific Symposium. Mating strategies and of reproduction. Paper with E.D. Ketterson

stopped listing oral presentations, and individual service accomplishments at this point

1994-pres. Various committees, American Ornithologists' Union,