

CURRICULUM VITA

Stephen I. Rothstein

Current Address:

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Education:

1965	B.A.	Brooklyn College
1969	M.Ph.	Yale University
1970	Ph.D.	Yale University
1970-72	Postdoctorate	Smithsonian Institution

Research Interests:

General-behavioral ecology, evolution, ornithology, conservation.

Specific-avian brood parasitism, social behavior and dominance hierarchies, status signaling, vocal variation in birds, conservation, optimality modeling.

Academic and Research Related Positions:

1962-64	Reptile Keeper, New York Zoological Park (Bronx Zoo)
1964-65	N.S.F. Undergraduate Research Program, Dept. of Herpetology, American Museum of Natural History
1965	Parasitologist, Reptile Department, New York Zoological Park
1965	N.S.F. Undergraduate Research Program, Bowdoin College
1965	Instructor, Brooklyn College
1972-77	Assistant Professor, University of California
1977-83	Associate Professor, University of California
1978-79	Visiting Researcher, University of Washington
1983-present -	Professor, University of California
1994-2005 -	Director, Center for Biodiversity and Ecological Restoration, (previously Museum of Systematics and Ecology), University of California

Special Appointments:

1990-2003 Editorial Board, *Current Ornithology*

1991-94 Member, Board of Directors, Cooper Ornithological Society

1997-2000 Associate Editor, *The Auk*

1998-2003 Member, National Science Foundation, Animal Behavior Panel

1998- present, Member and Deputy Team Leader, US Fish & Wildlife Service Endangered Species Recovery Team, Southwestern Willow Flycatcher

1997-present, Co-Chair, National Cowbird Advisory Committee

2003-05 Chair, Local Committee for 2005 American Ornithologist's Union meeting held at UC Santa Barbara

2005 Member, National Science Foundation, Animal Behavior Panel

2007 Member, National Science Foundation, Animal Behavior Panel

Membership in Professional Societies:

Amer. Ornith. Union

Anim. Behav. Soc.

Cooper Ornith. Soc

Wilson Ornith. Soc.

Conservation Biology Assoc.

Soc. Study of Evol.

Soc. Sigma Xi

Western Bird-Banding Assoc.

Inter. Soc. Behav. Ecol.

Soc. Field Ornithol.

Awards:

1979 H.R. Painton Award, Cooper Ornithological Society – for the most outstanding paper published in "The Condor" in the previous four years.

2001 Brewster Award, American Ornithologists Union - highest honor bestowed by the AOU, for contributions to the fields of behavior, evolution, and conservation of birds.

Grants:

1977-79 U.S. Forest Service - Determination of past and present distribution of cowbirds in the Sierra Nevada, \$15,000.

1978-80 U.S. Forest Service - Cowbird occurrence, local movements and potential impact on breeding success of songbirds in the Sierra Nevada Mountains, \$20,000.

1980-81 U.S. Forest Service - Cowbird movement patterns and an assessment of the effects on local populations resulting from removal at a single site, \$12,700.

1983-85 National Science Foundation, Psychobiology Program - The origin and significance of macro- and microgeographic variations in a vocalization of a parasitic bird, \$55,999.

1983-86 National Science Foundation, Ecology Program - The ecology and coevolution of the South American Molothrus and their hosts, \$215,972.

1987-90 National Science Foundation, Psychobiology Program - Testing alternative hypotheses for the maintenance of behavioral variation among populations, \$60,000.

1989-92 U.S. - Israeli Binational Science Foundation - Coadaptations in parasitic cuckoos and their hosts, \$143,000.

1992-95 U.S. Forest Service - The distribution and effects of parasitic Brown-headed Cowbirds in the Sierra Nevada, \$40,000.

1994-95 Department of Defense - Assessment of endangered and rare bird species at Vandenberg Air Force Base, \$ 65,000.

1996-97 Department of Defense - Biology and status of the endangered Southwestern Willow Flycatcher, \$ 28,400.

1996-97 Department of Defense - Inventory of bird species of special status at Vandenberg Air Force Base, \$ 63,500.

1996-98 Department of Defense - Impact of Brown-headed Cowbirds on native birds at Vandenberg Air Force Base, \$ 70,000.

1998-02 National Science Foundation, Animal Behavior Program - The ecology and development of male song production and female song preferences in Brown-headed Cowbirds from different environments, \$180,000.

1999-00 Department of Defense - Biology and status of the endangered Southwestern Willow Flycatcher, \$ 23,400.

1999-02 California Department of Fish and Game – Cowbird control to aid endangered species, \$127,000.

2000-01 Department of Defense - Biology and status of the endangered Southwestern Willow Flycatcher, \$ 23,400.

2000-03 National Science Foundation, Animal Behavior Program - The course of evolution when selection for a behavioral adaptation is relaxed: host defenses against parasitic birds, \$261,760.

2001-02 Department of Defense - Biology and status of the endangered Southwestern Willow Flycatcher and riparian bird monitoring at Vandenberg Air Force Base, \$ 50,000.

2002-03 Department of Defense - Southwestern Willow Flycatcher and Neotropical Riparian Bird Monitoring Project, USAF –VAFB. \$ 48,000.

2003-04 Department of Defense - Southwestern Willow Flycatcher and Neotropical Riparian Bird Monitoring Project, USAF –VAFB. \$ 48,000.

2004-05 Department of Defense - Southwestern Willow Flycatcher and Neotropical Riparian Bird Monitoring Project, USAF –VAFB. \$ 60,000.

2005-06 Department of Defense - Southwestern Willow Flycatcher and Neotropical Riparian Bird Monitoring Project, USAF –VAFB. \$ 60,000.

2005-09 National Science Foundation, Animal Behavior Program - Naturally Occurring Constraints on Development in a Model Learning System, \$520,000.

LIST OF PUBLICATIONS

Stephen I. Rothstein

- 1970 Rothstein, S.I. An experimental investigation of the defenses of the hosts of the parasitic Brown-headed Cowbird (Molothrus ater). Ph.D. Thesis. Yale Univ. 372 pp.
- 1971 Rothstein, S.I. Observation and experiment in the analysis of interactions between brood parasites and their hosts. *Amer. Nat.* 105: 71-74.
- 1971 Rothstein, S.I. Book review. *Wilson Bull.* 83: 327-329.
- 1971 Rothstein, S.I. High nest density and non-random nest placement in the Cedar Waxwing. *Condor* 73: 483-485.
- 1971 Rothstein, S.I. A reanalysis of the interspecific invitation to preening display as performed by the Brown-headed Cowbird (Molothrus ater). *Amer. Zool.* 11: 89. (Abstract.)
- 1972 Rothstein, S.I. Territoriality and mating system in the parasitic Brown-headed Cowbird (Molothrus ater) as determined from captive birds. *Amer. Zool.* 12: 659. (Abstract.)
- 1972 Rothstein, S.I. Eggshell thickness and its variation in the Cedar Waxwing. *Wilson Bull.* 84: 469-474.
- 1973 Rothstein, S.I. Variation in the incidence of hatching failure in the Cedar Waxwing and other species. *Condor* 75: 164-169.
- 1973 Rothstein, S.I. Extreme overlap between first and second nestings in the Rose-breasted Grosbeak. *Wilson Bull.* 85: 242-243.
- 1973 Rothstein, S.I. The niche variation model: Is it valid? *Amer. Nat.* 107: 598-620.
- 1973 Rothstein, S.I. Plastic particle pollution of the surface of the Atlantic Ocean: evidence from a sea bird. *Condor* 75: 344-345.
- 1973 Rothstein, S.I. Relative variation of avian morphological features: relation to the niche. *Amer. Nat.* 107: 796-799.
- 1973 Rothstein, S.I. The occurrence of unusually small eggs in three species of songbirds. *Wilson Bull.* 85: 340-342.
- 1974 Rothstein, S.I. Variation in breeding parameters of a social bird. *Amer. Zool.* 14: 1293. (Abstract.)
- 1974 Rothstein, S.I. Mechanisms of avian egg recognition: possible learned and innate factors. *Auk* 91: 796-807.
- 1975 Rothstein, S.I. Evolutionary rates and host defenses against avian brood parasites. *Amer. Nat.* 109: 161-176.

- 1975 Rothstein, S.I. Mechanisms of avian egg-recognition: Do birds know their own eggs? *Animal Behav.* 23: 268-278.
- 1975 Rothstein, S.I. An experimental and teleonomic investigation of avian brood parasitism. *Condor* 77: 250-271.
- 1976 Rothstein, S.I. Cowbird parasitism of the Cedar Waxwing and its evolutionary implications. *Auk* 93: 498-509.
- 1976 Rothstein, S.I. Experiments on defenses Cedar Waxwings use against cowbird parasitism. *Auk* 93: 675-691.
- 1977 Friedman, H., L.F. Kiff and S.I. Rothstein. A further contribution to knowledge of host relations of the parasitic cowbirds. *Smithson. Contr. Zool.* 235: 75 pp.
- 1977 Rothstein, S.I. The preening invitation or head-down display of parasitic cowbirds. I. Evidence for intraspecific occurrence. *Condor* 79: 13-23.
- 1977 Rothstein, S.I. Cowbird parasitism and egg recognition of the Northern Oriole. *Wilson Bull.* 89: 21-32.
- 1977 Fugle, G.N. and S.I. Rothstein. Clutch size determination, egg size, and eggshell thickness in the Pied-billed Grebe. *Auk* 94: 371-373.
- 1978 Rothstein, S.I. Geographical variation in the nestling coloration of parasitic cowbirds. *Auk* 95: 152-160.
- 1978 Blaustein, A.R. and S.I. Rothstein. Multiple captures of Reithrodontomys megalotis: Social bonding in a mouse? *Amer. Midl. Nat.* 100: 376-383.
- 1978 Rothstein, S.I. Mechanisms of avian egg-recognition: Additional evidence for learned components. *Anim. Behav.* 26: 671-677.
- 1979 Rothstein, S.I. Gene frequencies and selection for inhibitory traits, with special emphasis on the adaptiveness of territoriality. *Amer. Nat.* 113: 317-331.
- 1979 Rothstein, S.I. Effects of banding on the tarsus of the White-crowned Sparrow. *Bird-Banding* 50: 244-251.
- 1980 Rothstein, S.I., J. Verner and E. Stevens. Range expansion and diurnal changes in dispersion of the Brown-headed Cowbird in the Sierra Nevada. *Auk* 97: 253-267.
- 1980 Rothstein, S.I. Reciprocal altruism and kin selection are not clearly separable phenomena. *Jrnl. Theor. Biol.* 87: 255-261.
- 1980 Rothstein, S.I. The preening invitation or head-down display of parasitic cowbirds. II. Experimental analysis and evidence for behavioural mimicry. *Behaviour* 75: 148-184.
- 1980 Lowther, P.E. and S.I. Rothstein. Head-down or "preening invitation" displays involving juvenile Brown-headed Cowbirds. *Condor* 82: 459-460.
- 1981 Crowell, K.L. and S.I. Rothstein. Clutch sizes and breeding strategies among Bermudian and North American passerines. *Ibis* 123: 42-50.
- 1982 Rothstein, S.I. Successes and failures in avian egg and nestling recognition with comments on the utility of optimality reasoning. *Amer. Zool.* 22: 547-560.

- 1982 Rothstein, S.I. Mechanisms of avian egg recognition: Which egg parameters elicit responses by rejecter species? *Behav. Ecol. Sociobiol.* 11: 229-239.
- 1983 Rothstein, S.I. and D.P. Barash. Gene conflicts and the concepts of outlaw and sheriff alleles. *Jrnl. Social Biol. Structures* 6: 367-379.
- 1984 Rothstein, S.I., J. Verner and E. Stevens. Radio-tracking confirms a unique diurnal pattern of spatial occurrence in the parasitic Brown-headed Cowbird. *Ecology* 65: 77-88.
- 1984 Fugle, G.N., S.I. Rothstein, C.W. Osenberg and M.A. McGinley. Signals of status in the winter social system of the White-crowned Sparrow (Zonotrichia leucophrys gambelii). *Anim. Behav.* 32: 86-93.
- 1985 Rich, T. and S.I. Rothstein. Sage Thrashers (Oreoscoptes montanus) reject cowbird eggs. *Condor* 87: 561-562.
- 1985 Fugle, G.N. and S.I. Rothstein. Correlates among age, sex, size and plumage brightness in wintering White-crowned Sparrows, Zonotrichia leucophrys gambelii. *J. Field Ornith.* 56: 356-368.
- 1986 Rothstein, S.I., D.A. Yokel and R.C. Fleischer. Social dominance, mating and spacing systems, female fecundity, and vocal dialects in captive and free-ranging Brown-headed Cowbirds. *Current Ornith.* 3: 127-185.
- 1986 Keys, G.C., R.C. Fleischer and S.I. Rothstein. Relationships between elevation, reproduction, and the hematocrit level of Brown-headed Cowbirds. *Comp. Biochem. Physiol.* 83A: 765-769.
- 1986 Rothstein, S.I. A test of optimality: Egg recognition in the Eastern Phoebe. *Animal Behav.* 34: 1109-1119.
- 1986 Mason, P. and S.I. Rothstein. Coevolution and avian brood parasitism: Cowbird eggs show evolutionary response to host discrimination. *Evolution* 40: 1207-1214.
- 1987 Rothstein, S.I. and R.C. Fleischer. Vocal dialects and their possible relation to honest status signalling in the Brown-headed Cowbird. *Condor* 89: 1-23.
- 1987 Fugle, G.N. and S.I. Rothstein. Experiments on the control of deceptive signals of status in White-crowned Sparrows. *Auk* 104: 188-197.
- 1987 Rothstein, S.I. and R.C. Fleischer. Brown-headed Cowbirds learn flight whistles after the juvenile period. *Auk* 104: 512-516.
- 1987 Rothstein, S.I., J. Verner, E. Stevens and L.V. Ritter. Behavioral differences among sex and age classes of the Brown-headed Cowbird and their relation to the efficacy of a control program. *Wilson Bull.* 99: 322-337.
- 1987 Mason, P. and S.I. Rothstein. Crypsis versus mimicry and the color of Shiny Cowbird eggs. *Amer. Nat.* 130: 161-167.
- 1987 Fleischer, R.C., A.P. Smyth and S.I. Rothstein. Temporal and age-related variation in the laying rate of the parasitic Brown-headed Cowbird in the eastern Sierra Nevada, California. *Can. J. Zool.* 65: 2724-2730.
- 1988 Rothstein, S.I., D.A. Yokel and R.C. Fleischer. The agonistic and sexual functions of vocalizations of male Brown-headed Cowbirds (Molothrus ater). *Anim. Behav.* 36: 73-86.

- 1988 Kemal, R.E. and S.I. Rothstein. Mechanisms of avian egg recognition: adaptive responses to eggs with broken shells. *Anim. Behav.* 36: 175-183.
- 1988 Rothstein, S.I. and R. Pierotti. Distinctions among reciprocal altruism, kin selection and cooperation and a model for the initial evolution of beneficent behavior. *Ethol. and Sociobiol.*: 9: 189-209.
- 1988 Fleischer, R.C. and S.I. Rothstein. Known secondary contact and rapid gene flow among subspecies and dialects in the Brown-headed Cowbird. *Evolution* 42: 1146-1158.
- 1988 Rothstein, S.I., R.W. Schreiber and T.R. Howell. In memoriam: Herbert Friedmann. *Auk* 105: 365-368.
- 1988 Verner, J. and S.I. Rothstein. Implications of range expansion into the Sierra Nevada by the parasitic Brown-headed Cowbird. pp. 92-98 in *Proc. State of the Sierra Symp.* ed. by D. Bradley, Pacific Publ. Co., San Francisco.
- 1989 Rothstein, S.I., J.C. Ortega and A. O'Loughlen. Cowbird song. *Nature* 339: 21-22.
- 1989 Rothstein, S.I. and R. Pierotti. Definitions and the genetic bases of beneficent behavior. *Ethol. and Sociobiol.* 10: 453-456.
- 1990 Rothstein, S.I. Brood parasitism and clutch-size determination in birds. *Trends Ecol. Evol.* 5: 101-102.
- 1990 Rothstein, S.I. A model system for coevolution: avian brood parasitism. *Annu. Rev. Ecol. System* 20: 481-508.
- 1991 Fleischer, R.C., S.I. Rothstein and L.S. Miller. Mitochondrial DNA variation indicates gene flow across a zone of known secondary contact between two subspecies of the Brown-headed Cowbird. *Condor* 93: 185-189.
- 1991 Keys, G.C. and S.I. Rothstein: Benefits and costs of dominance and subordination in White-crowned Sparrows and the paradox of status signalling. *Anim. Behav.* 42: 899-912.
- 1991 Yokel, D.A. and S.I. Rothstein. The basis for female choice in an avian brood parasite. *Behav. Ecol. Sociobiol.* 29: 39-45.
- 1992 Rothstein, S.I. Parasitic tactics of the Brown-headed Cowbird (in Japanese). *Anima* 237: 73-77.
- 1993 O'Loughlen, A.L. and S.I. Rothstein. An extreme example of delayed vocal development: song learning in a population of wild Brown-headed Cowbirds. *Anim. Behav.* 46: 293-304.
- 1993 Slotow, R., J. Alcock and S.I. Rothstein. Social status signalling in White-crowned Sparrows: an experimental test of the social control hypothesis. *Anim. Behav.* 46: 977-989.
- 1993 Rothstein, S.I. An experimental test of the Hamilton-Orians hypothesis for the origin of avian brood parasitism. *Condor* 95: 1000-1005.
- 1993 Robinson, S.K., J.A. Grzybowski, S.I. Rothstein, M.C. Brittingham, L.J. Petit and F.R. Thompson. Management implications of cowbird parasitism on Neotropical migrant songbirds. pp. 93-102 in *Status and Management of Neotropical Migratory Birds*, ed.

- by D. M. Finch and P. W. Stangel. USDA For. Serv. General Tech. Report M - 229. Fort Collins, Colorado.
- 1993 Rothstein, S.I. Brown-headed Cowbird. pp.401-404 in *The Marin County Breeding Bird Atlas: A distributional and Natural History of Coastal California Birds* by W.D. Shuford. Bushtit Books, Bolinas, California.
- 1994 Rothstein, S.I. The Brown-headed Cowbird's invasion of the Far West: history, causes and consequences experienced by host species. pp. 301-315 in *A Century of Avifaunal Change in Western North America*. (Studies in Avian Biol., No. 15) Jehl, J.R. Jr. and N.K. Johnson eds., Cooper Ornithol. Soc.
- 1994 Rothstein, S.I. Brood parasitism and the Hamilton-Orians Hypothesis revisited. *Condor* 96: 1117-1118.
- 1994 Rothstein, S.I. and S.K. Robinson. Conservation and coevolutionary implications of brood parasitism by cowbirds. *Trends Ecol. Evol.* 9: 162-164.
- 1994 Rothstein, S.I. Brood parasitism, the importance of experiments and host defenses of avifaunas on different continents. *Proc. Seventh PanAfrican Ornithol. Cong.:* 521-535.
- 1994 Burnell, K. and S.I. Rothstein. Variation in the structure of female Brown-headed Cowbird vocalizations and its relation to vocal function and development. *Condor* 96: 703-715.
- 1995 O'Loughlen, A.L. and S.I. Rothstein. Culturally correct song dialects are correlated with male age and female song preferences in wild populations of Brown-headed Cowbirds. *Behav. Ecol. Sociobiol.* 36: 251-259.
- 1995 Lotem, A. and S.I. Rothstein. Cuckoo-host coevolution: from snapshots of an arms race to the documentation of microevolution. *Trends Ecol. Evol.* 10:436-437.
- 1995 Robinson, S.K., S.I. Rothstein, M.C. Brittingham, L.J. Petit and J.A. Grzybowski. Ecology and behavior of cowbirds and their impact on host populations. pp. 428-460 in *Ecology and Management of Neotropical Migratory Birds*, ed. by T.E. Martin and D.M. Finch. Oxford Univ. Press., New York.
- 1995 Slotow, R.J. and S.I. Rothstein. Importance of dominance status and distance from cover to foraging White-crowned Sparrows: an experimental analysis. *Auk* 112: 107-117.
- 1995 Slotow, R.J. and S.I. Rothstein. Influence of social status, distance from cover, and group size on feeding and vigilance in White-crowned Sparrows. *Auk* 112: 1024-1031.
- 1998 Rothstein, S.I. and S.K. Robinson, eds.. *Parasitic Birds and Their Hosts, Studies in Coevolution*. Oxford Univ. Press., New York, 444 pp.
- 1998 Rothstein, S.I. and S.K. Robinson. The evolution and ecology of avian brood parasitism: an overview. pp. 3-56 In: *Parasitic Birds and Their Hosts, Studies in Coevolution*. (S.I. Rothstein and S.K. Robinson, eds), Oxford Univ. Press., New York.
- 1998 Rothstein, S.I. and S.K. Robinson. Major unanswered questions in the study of avian brood parasitism. pp. 419-425 In: *Parasitic Birds and Their Hosts, Studies in Coevolution*. (S.I. Rothstein and S.K. Robinson, eds), Oxford Univ. Press., New York.

- 1999 Zahn, S. N. and S.I. Rothstein. Recent increase in male House Finch plumage variation and its possible relationship to avian pox disease. *Auk* 116: 35-44.
- 1999 Hall, L. and S.I. Rothstein. Cowbird control: the efficacy of long term-control and proposed alternatives to standard control practices. pp. 254-259 In: *Research and Management of The Brown-headed Cowbird in Western Landscapes* (M. L. Morrison, L. S. Hall, S. K. Robinson, S. I. Rothstein, D. C. Hahn and T. Rich eds.), Studies in Avian Biology No. 18.
- 1999 M. L. Morrison, L.S. Hall, S.K. Robinson, S.I. Rothstein, D.C. Hahn and T. Rich eds. *Research and Management of The Brown-headed Cowbird in Western Landscapes*. Studies in Avian Biology No. 18. 312 pp.
- 2000 Smith, J.N.M., T.L. Cook, S.I. Rothstein, S.K. Robinson, and S.G. Sealy editors. *Ecology and Management of Cowbirds and Their Hosts*, Univ. of Texas Press, Austin, Texas. 388 pp.
- 2000 Rothstein, S.I., J. Verner and C. Farmer. Cowbird vocalizations: an overview and the use of playbacks to enhance cowbird detectability. pp. 69-80 In: *Ecology and Management of Cowbirds and Their Hosts* (J.N.M. Smith, T.L. Cook, S.I. Rothstein, S.K. Robinson, and S.G. Sealy eds.), Univ. of Texas Press, Austin, Texas.
- 2000 Rothstein, S.I. and S.K. Robinson. Population trends of cowbirds and hosts and relevant methodology. Pp.13-20. In: *Ecology and Management of Cowbirds and Their Hosts* (J.N.M. Smith, T.L. Cook, S.I. Rothstein, S.K. Robinson, and S.G. Sealy eds.), Univ. of Texas Press, Austin, Texas.
- 2000 Rothstein, S.I. and T.L. Cook. Cowbird management, host population regulation and efforts to save endangered species. pp. 323-332. In: *Ecology and Management of Cowbirds and Their Hosts* (J.N.M. Smith, T.L. Cook, S.I. Rothstein, S.K. Robinson, and S.G. Sealy eds.), Univ. of Texas Press, Austin, Texas.
- 2000 Smith, J.N.M. and S.I. Rothstein. Brown-headed Cowbirds as a model system for studies of behavior, ecology, evolution and conservation biology. Pp. 1-9. In: *Ecology and Management of Cowbirds and Their Hosts* (J.N.M. Smith, T.L. Cook, S.I. Rothstein, S.K. Robinson, and S.G. Sealy eds.), Univ. of Texas Press, Austin, Texas.
- 2000 Hosoi, S.A. and S.I. Rothstein. Nest desertion and cowbird parasitism: evidence for evolved responses and evolutionary lag. *Anim. Behav.* 59: 823-840.
- 2000 Bolen, G.M. S.I. Rothstein and C. Trost. Egg recognition in the Yellow-billed and Black-billed Magpies in the absence of interspecific parasitism: implications for parasite-host coevolution. *Condor* 102: 432-438.
- 2001 Zahn, S.N. and S.I. Rothstein. House Finches are not just what they eat: a reply to Hill. *Auk* 118:260-266.
- 2001 Rothstein, S.I. Relic behaviors, coevolution and the retention versus loss of host defenses after episodes of avian brood parasitism. *Anim. Behav.* 61: 95-107.
- 2001 Rothstein, S.I. A landscape approach to conserving North America's avifauna. *Conserv. Biol.* 15: 1827-1828. [book review]
- 2002 Rothstein, S.I., M.A. Patten and R.C. Fleischer. Phylogeny, specialization and brood parasite-host coevolution: some possible pitfalls of parsimony. *Behav. Ecol.*: 13:1-10.

- 2002 O'Loghlen, A. and S.I. Rothstein. Ecological effects on song learning: delayed development is widespread in wild populations of Brown-headed Cowbirds. *Anim. Behav.*: 63:475-486.
- 2002 O'Loghlen, A. and S.I. Rothstein. East and West coast female brown-headed cowbirds agree - both categories of male song are sexy. *Anim. Behav.*: 64: 609–617.
- 2002 O'Loghlen, A. and S.I. Rothstein. Vocal development is correlated with an indicator of hatching date in Brown-headed Cowbirds. *Condor* 104:761–771.
- 2002 Gorney-Labinger, E. and S.I. Rothstein. Brown-headed Cowbirds in eastern and western North America show similar use of courtship songs in copulation contexts. *Condor* 104:866–872.
- 2003 O'Loghlen, A. and S.I. Rothstein. Female preference for the songs of older males and the maintenance of dialects in Brown-headed Cowbirds (*Molothrus ater*). *Behav. Ecol. Sociobiol.* 53:102-109.
- 2003 Rothstein, S.I., B. E. Kus, M. J. Whitfield and S. J. Sferra. Recommendations for cowbird management in recovery efforts for the Southwestern Willow Flycatcher. pp. 157-167 In: *Ecology and Conservation of the Willow Flycatcher* (M. K. Sogge, B. A. Kus, S. J. Sferra, M. J. Whitfield eds.). Studies in Avian Biology. No. 26.
- 2003 Farmer, C., Rothstein, S.I. and M.A. Holmgren The distribution and abundance of Southwestern Willow Flycatchers on the Lower Santa Ynez River, California. pp. 30-35 In: *Ecology and Conservation of the Willow Flycatcher* (M. K. Sogge, B. A. Kus, S. J. Sferra, M. J. Whitfield eds.). Studies in Avian Biology. No. 26.
- 2003 Farmer, C., M.A. Holmgren, and S.I. Rothstein. Distribution and abundance of Southwestern Willow Flycatchers on Vandenberg Air Force Base and the Lower Santa Ynez River, 1995-2003. 130 pp. Vandenberg Air Force Base, Natural Resources, CA 93437.
- 2004 Rothstein, S.I. Brown-headed Cowbird: Villain or scapegoat? *Birding* 36: 372-384.
- 2004 O'Loghlen, A. and S.I. Rothstein. Divergent sexual responses to different categories of foreign courtship songs in female Brown-headed Cowbirds (*Molothrus ater*). *Auk* 121:824–836.
- 2005 Hosoi, S.A., S.I. Rothstein and A.L. O'Loghlen. Sexual preferences of female Brown-headed Cowbirds (*Molothrus ater*) for perched song repertoires. *Auk* 122:82–93.
- 2005 Rothstein, S.I. More Than Kin and Less Than Kind: The Evolution of Family Conflict. [Book Review]. *Anim. Behav.* 69: 1223–1225.
- 2005 Anderson, K.E., S.I. Rothstein, R.C. Fleischer and A.L. O'Loghlen. Large-scale movement patterns between song dialects in Brown-headed Cowbirds (*Molothrus ater*). *Auk* 122: 803–818.
- 2005 Rothstein, S.I., and B.D. Peer. Conservation solutions for threatened and endangered cowbird hosts: sorting fact and fiction. *Ornithological Monographs* No. 57: 98-114.

- 2005 Peer, B.D., S.I. Rothstein, M. J. Kuehn and R.C. Fleischer. Host defenses against cowbird parasitism: implications for cowbird management. *Ornithological Monographs No. 57*: 84-97.
- 2005 Peer, B.D, S.I. Rothstein, and J.W. Rivers. First record of Bronzed Cowbird parasitism on the Great-tailed Grackle. *Wilson Bulletin* 117:194–196.
- 2007 Peer, B.D., S.I. Rothstein, K.S. Delaney and R.C. Fleischer. Defence behaviour against brood parasitism is deeply rooted in mainland and island scrub-jays. *Anim. Behav.* 73:55-63
- in press John Faaborg , Douglas H. Johnson, Nils Warnock, Keith Bildstein, Keith Hobson, Frank Thompson III, Angela Anders, Sidney Gauthreaux, Patricia Heglund, Richard T. Holmes, Steven Latta, Katie Dugger, Douglas Levey, T. Scott Sillett, Stephen I. Rothstein, Erica Nol, Peter Marra, and Tom Sherry. *New World Migratory Birds: Recent Advances in Science and Conservation. Ecological Applications*: in press.