

AN ANNOTATED BIBLIOGRAPHY OF BREEDING BIRD CENSUS PUBLICATIONS¹

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Abstract. Listed here are nearly 200 publications relating to the Breeding Bird Census (BBC) program started by the National Audubon Society in 1937 and administered by various organizations over the years following. It is as complete as possible; any omissions are by mistake. The author requests that such omissions be brought to his attention for future updates to this document.

UNA BIBLIOGRAFÍA ANOTADA DE PUBLICACIONES DEL CENSO DE AVES REPRODUCTORAS

Resumen. Se enlistan casi 200 publicaciones relacionadas con el programa de Censos de Aves Reproductoras" (BBC por sus siglas en inglés), el cual fue iniciado por la Sociedad Nacional de Audubon de los Estados Unidos en 1937 y administrado por varias organizaciones a través los años subsiguientes. Es lo más completa posible; cualquier omisión es por error. El autor solicita que tales omisiones le sean reportadas para una futura actualización del documento.

INTRODUCTION

A multitude of studies have used the spot-mapping census method employed by the BBC program. They are not all listed here. Rather, only those publications that relate directly to the BBC program are included, except for a rare few like Williams (1936). The publications listed here include instructions and methodologies, raw data reports, summaries and analyses of the data, reviews and critiques of the program, and popular articles about conducting BBCs. Reflected in this bibliography is the rich history of the BBC program.

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PUBLICATIONS

- ALDRICH, J. W., AND R. W. COFFIN. 1980. Breeding bird populations from forest to suburbia after thirty-seven years. *American Birds* 34:3-7. [Comparison of 1942 and 1979 data from one plot in Virginia.]
- ANDERSON, S. H. 1979. Habitat assessment for breeding bird populations. *Transactions of the 44th North American Wildlife and Natural Resources Conference*. Pp. 431-445. [Review of various studies including the BBC and the James and Shugart (1970) method.]
- ANONYMOUS. 1937. Bird-Lore's first Breeding-Bird Census. *Bird Lore* 39(2):147-150. [Original announcement of the BBC program with instructions.]

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- ARBIB, JR., R. S. 1970. Editorial note. *Audubon Field Notes* 24(6):736. [Call for participation in the BBC program.]
- ASKINS, R. A., J. F. LYNCH, AND R. GREENBERG. 1990. Population declines in migratory birds in eastern North America. Pages 1-57 in *Current Ornithology*, vol. 7. (D. M. Power, Ed.). Plenum, New York. [Analysis of data from many long-term BBCs.]
- BARBER, D. 2004. Breeding Bird Census. Hawk Mountain Sanctuary web site. <http://www.Hawkmountain.Org/sanctuary/images/Breeding%20Bird%20Census.Pdf> [BBC report from Hawk Mountain Sanctuary.]
- BERTIN, R. I. 1977. Breeding habitats of the Wood Thrush and Veery. *The Condor* 79:303-311. [One of two study sites was a BBC plot.]
- BOND, G. M. 1952. Sixteenth Breeding-Bird Census. *Audubon Field Notes* 6(6):303-324. [Data from 38 BBCs.]
- BOND, G. M. 1953. Seventeenth Breeding-Bird Census. *Audubon Field Notes* 7(6):335-360. [Data from 44 BBCs.]
- BOND, G. M. 1954. Eighteenth Breeding-Bird Census. *Audubon Field Notes* 8(6):363-384. [Data from 40 BBCs.]
- BOND, G. M. 1955. Nineteenth Breeding-Bird Census. *Audubon Field Notes* 9(6):407-432. [Data from 39 BBCs.]
- BOND, G. M. 1956. Twentieth Breeding-Bird Census. *Audubon Field Notes* 10(6):415-436. [Data from 40 BBCs.]
- BOND, G. M. 1957. Twenty-first Breeding-Bird Census. *Audubon Field Notes* 11(6):435-458. [Data from 35 BBCs.]
- BOND, G. M. 1958. Twenty-second Breeding-Bird Census. *Audubon Field Notes* 12(6):443-461. [Data from 34 BBCs.]
- BOND, G. M. 1959. Twenty-third Breeding-Bird Census. *Audubon Field Notes* 13(6):459-480. [Data from 38 BBCs.]
- BOTTORFF, R. L. 1974. Cottonwood habitat for birds in Colorado. *American Birds* 28(6):975-979. [Review and synthesis of eight BBCs.]
- BRECKENRIDGE, W. J. 1955. Comparison of the breeding-bird populations of two neighboring but distinct forest habitats. *Audubon Field Notes* 9(6):408-412. [Analysis of four and six years of data from two BBC plots.]
- BREWER, R. 1963. Ecological and reproductive relationships of Black-capped and Carolina Chickadees. *Auk* 80:9-47. [Used published BBC data to compare densities in different forest types.]
- BREWER, R. 1963. Stability in bird populations. Occasional Papers of the C. C. Adams Center for Ecological Studies, No. 7. Western Michigan University, Kalamazoo. [Analysis of seven to 18 years of data from five BBC plots.]
- BREWER, R., G. A. McPEEK, and R. J. ADAMS, JR. 1991. The atlas of breeding birds of Michigan. East Lansing, Michigan State University Press. [Analysis of breeding densities in various habitats based on Michigan BBCs.]
- BRIDGE, D., and M. BRIDGE. 1964. Twenty-eighth Breeding-Bird Census. *Audubon Field Notes* 18(6):539-576. [Data from 50 BBCs.]
- BRIDGE, D., and M. BRIDGE. 1965. Twenty-ninth Breeding-Bird Census. *Audubon Field Notes* 19(6):582-630. [Data from 70 BBCs.]
- BRIGGS, S. A. 1967. 1967 Breeding Bird Population Studies. *Atlantic Naturalist* 22(4):227-228. [Data from one BBC.]
- BRIGGS, S. A. 1986. Results of recent winter and breeding bird censuses in long-term study areas. *Atlantic Naturalist* 36:15-22. [Data from eight BBCs.]
- BRIGGS, S. A., AND J. CRISWELL. 1979. Gradual silencing of spring in Washington. *Atlantic Naturalist* 32:19-26. [Analysis of long-term BBCs in Washington D. C.]
- BUTCHER, G. S. 1986. Breeding Bird Censuses and Winter Bird-Population Studies: an update. *American Birds* 40(1):67-68. [Status of the program when publication of raw data ended and the computerized database began.]
- BUTCHER, G. S., W. A. NIERING, W. J. BARRY, AND R. H. GOODWIN. 1981. Equilibrium biogeography and the size of nature preserves: an avian case study. *Oecologia* 49:29-37. [Analysis of seven years of data from one BBC plot.]
- CADE, B. S. 1986. Habitat suitability index models: Brown Thrasher. U. S. Fish and Wildlife Service, Biological Report 82(10.118). 14 pp. [Includes data from 11 BBCs.]
- CANTERBURY, G. E., AND D. E. BLOCKSTEIN. 1997. Local changes in a breeding bird community following forest disturbance. *Journal of Field Ornithology* 68:537-546. [Analysis of six years of data from one BBC plot.]
- CHILD, H. E. 1964. Marsh, swamp, and forest during 45 years of human disturbance. *Audubon Field Notes* 18(6):541-545. [Analysis of nine years of data (from 1919 to 1964) from one BBC plot.]
- CODY, M. L. 1985. Habitat selection in grassland and open-country birds. Pages 191-226 in *Habitat selection in birds* (M. L. Cody, Ed.). Academic Press, San Diego, CA. [Analysis of data from 14 BBC plots.]
- CONNER, R. N., J. G. DICKSON, AND J. H. WILLIAMSON. 1983. A comparison of breeding bird census techniques with mist netting results. *Wilson Bulletin* 95:276-280. [A comparison of strip transect sampling, spot-mapping, and mist-net captures.]
- CRISWELL, J. H. 1967. 1966 Breeding Bird Population Studies. *Atlantic Naturalist* 22(1):32-34. [Data from two BBCs.]

- CRISWELL, J. H. 1968. 1968 Breeding Bird Population Studies. *Atlantic Naturalist* 23(4):219-222. [Data from three BBCs.]
- CRISWELL, J. H. 1969. 1969 Breeding Bird Population Studies. *Atlantic Naturalist* 24(4):209-211. [Data from three BBCs.]
- CRISWELL, J. H. 1972. Breeding Bird Population Studies 1972. *Atlantic Naturalist* 27(4):180-185. [Data from five BBCs.]
- CRISWELL, J. H. 1973. Breeding Bird Population Studies 1973. *Atlantic Naturalist* 28(4):160-164. [Data from five BBCs.]
- CRISWELL, J. H. 1974. Breeding Bird Population Studies 1974. *Atlantic Naturalist* 29(4):165-171. [Data from seven BBCs.]
- CRISWELL, J. H. 1975. Breeding Bird Population Studies 1975. *Atlantic Naturalist* 30(4):175-180. [Data from six BBCs.]
- CRISWELL, J. H. 1976. Breeding Bird Population Studies 1976. *Atlantic Naturalist* 31(4):167-173. [Data from six BBCs.]
- CRISWELL, J. H., AND S. A. BRIGGS. 1964. 1963 Breeding Bird Population Studies. *Atlantic Naturalist* 19(1):51-55. [Data from three BBCs.]
- CRISWELL, J. H., AND S. A. BRIGGS. 1965. 1964 Breeding Bird Population Studies. *Atlantic Naturalist* 20(1):44-48. [Data from three BBCs.]
- CRISWELL, J. H., AND S. A. BRIGGS. 1965. 1965 Breeding Bird Population Studies. *Atlantic Naturalist* 20(4):225-228. [Data from two BBCs.]
- CRISWELL, J., AND S. BRIGGS. 1965. Wood Thrush and Veery populations in three census areas. *Audubon Field Notes* 19(6):587-589. [Analysis of 1948-1965 data from three BBC plots.]
- CRISWELL, J. H., S. A. BRIGGS, AND V. C. JONES. 1970. 1970 Breeding Bird Population Studies. *Atlantic Naturalist* 25(4):172-175. [Data from three BBCs.]
- CRISWELL, J. H., S. A. BRIGGS, AND V. C. JONES. 1971. Breeding Bird Population Studies 1971. *Atlantic Naturalist* 26(4):168-171. [Data from three BBCs.]
- CROWELL, K. 1962. Reduced interspecific competition among the birds of Bermuda. *Ecology* 43:75-88. [Analysis of 13 years of BBC data for three species.]
- DEGARMO, W. R. 1948. Breeding-bird population studies in Pocahontas and Randolph counties, West Virginia. *Audubon Field Notes* 2(6):219-222. [Data from five BBCs including two-year comparisons from three of the plots.]
- DICKSON, J. G. 1978. Comparison of breeding bird census techniques. *American Birds* 32(1):10-13. [A comparison of three census methods including spot-mapping.]
- DOWD, C. 1992. Effect of development on bird species composition of two urban forested wetlands in Staten Island, New York. *Journal of Field Ornithology* 63:455-461. [Data from two study areas, one of which later became a BBC plot.]
- DUNNING, JR., J. B. 1986. Shrub-steppe bird assemblages revisited: implications for community theory. *American Naturalist* 128:82-98. [Analysis of data from 24 BBC plots.]
- EAGLES, P. F. J. 1981. Breeding bird censuses using spot-mapping techniques upon samples of homogeneous habitats. *Studies in Avian Biology* No. 6:455-460. [Critique of the spot-mapping technique.]
- EAGLES, P. F. J., AND T. N. TOBIAS. 1978. A replication of a Breeding Bird Census. *American Birds* 32(1):14-17. [Data from one BBC plus a comparison of two independent censuses in the same plot in the same year.]
- ELLISON, W. G. 1992. Blue-gray Gnatcatcher (*Polioptila caerulea*). *In* *The Birds of North America*, No. 23 (A. Poole, P. Stettenheim, and F. Gill, Eds.). Philadelphia: The Academy of Natural Sciences; Washington, D. C.: The American Ornithologists' Union. [Used BBC data for breeding densities in different areas.]
- ENGSTROM, R. T. 1988. The Breeding Bird Census: a half century in review. *BirdScope* 2(1):1-3. [History of the program and a review of the methodology and uses of data.]
- ENGSTROM, R. T. 1989. Breeding Bird Census: 1988. *Journal of Field Ornithology* 60(supplement):22-72. [Data from 87 BBCs.]
- ENGSTROM, R. T. 1990. Breeding Bird Census: 1989. *Journal of Field Ornithology* 61(supplement):23-85. [Data from 96 BBCs.]
- ENGSTROM, R. T. 1993. Avian communities in Florida habitats: analysis and review. Florida Game and Fresh Water Fish Commission Nongame Wildlife Program Final Report 46 pp. + v. Tallahassee, FL. [A review of all Florida BBCs with estimates of species richness in different habitats.]
- ENGSTROM, T. 1981. The species-area relationship in spot-map censusing. *Studies in Avian Biology* No. 6:421-425. [A study of how plot size affects results using two BBCs.]
- ENGSTROM, R. T., R. L. CRAWFORD, AND W. W. BAKER. 1984. Breeding bird populations in relation to changing forest structure following fire exclusion: a 15-year study. *Wilson Bulletin* 96:437-450. [Compares results from two BBCs with this long-term study.]
- ENGSTROM, R. T., AND F. C. JAMES. 1984. An evaluation of methods used in the Breeding Bird Census. *American Birds* 38:19-23. [Evaluation of BBC methods with special attention to census duration and vegetation sampling.]
- ERKSINE, A. J. 1977. Birds in boreal Canada: communities, densities and adaptations. Canadian Wildlife Service Report Series No. 41, Ottawa, Ontario. [Includes data from Canadian census plots, many of which are BBC plots.]

- Ewert, D. 1982. Birds in isolated bogs in central Michigan. *American Midland Naturalist* 108:41-50. [Cites three BBCs.]
- FAANES, C. A., AND J. M. ANDREW. 1983. Avian use of forest habitats in the Pembina Hills of north-eastern North Dakota. U. S. Fish and Wildlife Service, Resource Publication 151. Washington, D. C. [Analysis of one year of data from 11 BBCs]
- FOWLER, L. J., AND D.K. FOWLER. 1985. Breeding birds and vegetation along the Duck River in middle Tennessee. *Journal of the Tennessee Academy of Science* 60(2):48-51. [Compared their results to data from seven nearby BBCs.]
- FRANZREB, K. E. 1981. A comparative analysis of territorial mapping and variable-strip transect censusing methods. *Studies in Avian Biology* No. 6:164-169. [A comparison of two census methods including spot-mapping.]
- GAINES, D. 1974. A new look at the nesting riparian avifauna of the Sacramento Valley, California. *Western Birds* 5:61-80. [Compares Sacramento Valley BBCs with 29 other BBC plots in California.]
- GALE, G. A., J. A. DECECCO, M. R. MARSHALL, W. R. MCCLAIN, AND R. J. COOPER. 2001. Effects of gypsy moth defoliation on forest birds: an assessment using breeding bird census data. *Journal of Field Ornithology* 72:291-304. [Analysis of data from six BBC plots monitored at least three years before and five years after a moth outbreak.]
- GOODRICH, L. J., C. VIVERETTE, S. E. SENNER, AND K. L. BILDSTEIN. 1998. Long-term use of Breeding Bird Census plots to monitor populations of Neotropical migrants breeding in deciduous forest in eastern Pennsylvania, USA. Pages 151-166 in *Measuring and monitoring forest biodiversity*. Smithsonian Institution Press, Washington, D. C.
- GROSS, D. A., AND P. E. LOWTHER. 2001. Yellow-bellied Flycatcher (*Empidonax flaviventris*). in *The Birds of North America*, No. 566 (A. Poole and F. Gill, Eds.). The Birds of North America, Inc., Philadelphia, PA. [Used BBC data for breeding densities in different areas.]
- HALL, G. A. 1961. Twenty-fifth Breeding-Bird Census. *Audubon Field Notes* 15(6):499-524. [Data from 43 BBCs.]
- HALL, G. A. 1962. Twenty-sixth Breeding-Bird Census. *Audubon Field Notes* 16(6):517-540. [Data from 39 BBCs.]
- HALL, G. A. 1963. Twenty-seventh Breeding-Bird Census. *Audubon Field Notes* 17(6):491-512. [Data from 39 BBCs.]
- HALL, G. A. 1964. Breeding-Bird Censuses—why and how. *Audubon Field Notes* 18(3):413-416. [Updated instructions for conducting BBCs.]
- HALL, G. A. 1984. Population decline of neotropical migrants in an Appalachian forest. *American Birds* 38:14-18. [Analysis of data from one BBC plot from 1947-1983.]
- HALL, G. A. 1984. A long-term bird population study in an Appalachian spruce forest. *Wilson Bulletin* 96:228-240. [Analysis of data from one BBC plot from 1947-1983.]
- HALLOCK, D. 1984. Status and avifauna of willow carrs in Boulder County. *Colorado Field Ornithologists' Journal* 18:100-105. [Analysis of data from four BBC plots.]
- HALLOCK, D., N. LEDER, AND M. FIGGS. 1986. Ecology, status and avifauna of willow carrs in Boulder County. *Boulder County Nature Association Publication No. 4*, 37 pp.
- HAMEL, P. B. 1992. Land manager's guide to the birds of the South. The Nature Conservancy, Southeastern Region, Chapel Hill, NC. 437 pp. [Summary of BBCs in the Southeast from 1947-1979.]
- HAMEL, P. B. 2000. Cerulean Warbler status assessment. U. S. Fish and Wildlife Service. Fort Snelling, MN. [Analysis of breeding densities from 133 BBC plots.]
- HANEY, J. C. 1999. Hierarchical comparisons of breeding birds in old-growth conifer-hardwood forest on the Appalachian Plateau. *Wilson Bulletin* 111:89-99. [Comparison of birds found in 11 BBC plots to those in surrounding landscape.]
- HICKEY, J. J. 1937. Bird-Lore's first Breeding-Bird Census. *Bird Lore* 39(5):373-386. [Data from 31 BBCs.]
- HICKEY, J. J. 1938. Bird-Lore's second Breeding-Bird Census. *Bird Lore* 40(5):350-365. [Data from 30 BBCs.]
- HICKEY, J. J. 1939. Bird-Lore's third Breeding-Bird Census. *Bird Lore* 41(supplement):13-31. [Data from 32 BBCs.]
- HICKEY, J. J. 1940. Bird-Lore's fourth Breeding-Bird Census. *Bird Lore* 42(supplement):474-492. [Data from 35 BBCs.]
- HICKEY, J. J. 1941. Audubon magazine's fifth Breeding-Bird Census. *Audubon* 43(section II):480-500. [Data from 40 BBCs.]
- HICKEY, M. B. 1942. Audubon magazine's sixth Breeding-Bird Census. *Audubon* 44(section II):16-32. [Data from 30 BBCs.]
- HICKEY, M. B. 1943. Audubon magazine's seventh Breeding-Bird Census. *Audubon* 45(section II):17-24. [Data from 20 BBCs.]
- HICKEY, M. B. 1944. Audubon magazine's eighth Breeding-Bird Census. *Audubon* 46(section II):14-24. [Data from 28 BBCs.]
- HICKEY, M. B. 1945. Ninth Breeding-Bird Census. *Audubon* 47(section II):57-67. [Data from 24 BBCs.]
- HICKEY, M. B. 1946. Tenth Breeding-Bird Census. *Audubon* 48(section II):131-146. [Data from 33 BBCs.]

- INTERNATIONAL BIRD CENSUS COMMITTEE (with notes by C. S. Robbins). 1970. An international standard for a mapping method in bird census work recommended by the International Bird Census Committee. *Audubon Field Notes* 24(6):722-726. [A standardized method for mapping bird territories.]
- JAMES, F. C. 1978. On understanding quantitative surveys of vegetation. *American Birds* 32(1):18-21. [Analysis of vegetation data from two BBC plots.]
- JAMES, F. C., AND W. J. BOECKLEN. 1984. Interspecific morphological relationships and the densities of birds. Pages 458-477 in *Ecological communities: conceptual issues and the evidence* (D. R. Strong, L. G. Abele, D. Simberloff, and A. B. Thistle, Eds.). Princeton University Press, Princeton, N. J. [Analysis of seven years of data from one BBC plot.]
- JAMES, F. C., AND S. RATHBUN. 1981. Rarefaction, relative abundance, and diversity of avian communities. *Auk* 98:785-800. [Used 37 BBCs to compare different statistical methods.]
- JAMES, F. C., AND H. H. SHUGART, JR. 1970. A quantitative method of habitat description. *Audubon Field Notes* 24(6):727-736. [A simple and regular method of collecting vegetation data for BBC plots.]
- JAMES, F. C., AND N. O. WAMER. 1982. Relationships between temperate forest bird communities and vegetation structure. *Ecology* 63:159-171. [Analysis of 1973-1977 data from 56 BBC plots.]
- JAMES, F. C., R. F. JOHNSTON, N. O. WAMER, G. J. NIEMI, AND W. J. BOECKLEN. 1984. The Grinnellian niche of the Wood Thrush. *American Naturalist* 124:17-30. [Analysis of 1978-1980 data from 47 BBC plots.]
- JOHNSTON, D. W. 1990. Descriptions of surveys: Breeding Bird Censuses. Pages 33-36 in *Survey designs and statistical methods for the estimation of avian population trends* (J. R. Sauer and S. Droege, Eds.). U. S. Fish and Wildlife Service, Biological Report 90(1). [Review of 15 long-term BBCs.]
- JOHNSTON, D. W., AND J. M. HAGAN III. 1992. An analysis of long-term breeding bird censuses from eastern deciduous forests. Pages 75-84 in *Ecology and conservation of neotropical migrant landbirds* (J. M. Hagan III and D. W. Johnston, Eds.). Smithsonian Institution Press, Washington, D. C. [Analysis of 13 long-term studies including eight BBC plots.]
- JOHNSTON, D. W. AND E. P. ODUM. 1956. Breeding bird populations in relation to plant succession on the Piedmont of Georgia. *Ecology* 37:50-62. [Data from two BBC plots included in analysis.]
- KENDEIGH, S. C. 1971. A population collapse in the House Wren - or is there one? *American Birds* 25(6):951. [Analysis of 32 years of data from one BBC plot.]
- KENDEIGH, S. C., AND B. J. FAWVER. 1981. Breeding bird populations in the Great Smoky Mountains, Tennessee and North Carolina. *Wilson Bulletin* 93:218-242. [Data from several BBCs used in the discussion.]
- KENNEDY, J. A., P. DILWORTH-CHRISTIE, AND A. J. ERSKINE. 1999. The Canadian breeding bird (mapping) census database. Technical Report Series No. 342, Canadian Wildlife Service, Ottawa, Ontario. [Description of the database of all known Canadian spot-mapping censuses including BBCs done in Canada.]
- KROODSMA, D. E. 1977. Correlates of song organization among North American wrens. *American Naturalist* 111:995-1008. [Analysis of BBCs from 1947-1973.]
- LEE, P-Y., AND J. T. ROTENBERRY. 2005. Relationships between bird species and tree species assemblages in forested habitats of eastern North America. *Journal of Biogeography* 32:1139-1150. [Analysis of one year of data (1981) from 47 BBC plots.]
- LINEHAN, J. T. 1968. Thirty-second Breeding-Bird Census. *Audubon Field Notes* 22(6):654-726. [Data from 78 BBCs.]
- LINEHAN, J. T., R. E. JONES, AND J. R. LONGCORE. 1967. Breeding-bird populations in Delaware's urban woodlots. *Audubon Field Notes* 21:641-646. [Analysis of two years of data from nine BBC plots.]
- LOERY, G. 1966. Thirtieth Breeding-Bird Census. *Audubon Field Notes* 20(6):604-672. [Data from 86 BBCs.]
- LOERY, G. 1967. Thirty-first Breeding-Bird Census. *Audubon Field Notes* 21(6):610-675. [Data from 97 BBCs.]
- LOERY, G. 1969. Thirty-third Breeding Bird Census. *Audubon Field Notes* 23(6):700-756. [Data from 78 BBCs.]
- LOERY, G. 1970. Thirty-fourth Breeding-Bird Census. *Audubon Field Notes* 24(6):737-781. [Data from 57 BBCs.]
- LOWE, J. D. 1993. Breeding Bird Census: 1992. *Journal of Field Ornithology* 64(supplement):27-114. [Data from 132 BBCs.]
- LOWE, J. D. 1994. Breeding Bird Census: 1993. *Journal of Field Ornithology* 65(supplement):38-127. [Data from 140 BBCs.]
- LOWE, J. D. 1995. Breeding Bird Census: 1994. *Journal of Field Ornithology* 66(supplement):33-117. [Data from 139 BBCs.]
- LOWE, J. D. 1996. Breeding Bird Census: 1995. *Journal of Field Ornithology* 67(supplement):24-90. [Data from 113 BBCs.]
- LOWN, B. A. 1980. Reproductive success of the Brown-headed Cowbird: a prognosis based on Breeding Bird Census data. *American Birds* 34:15-17. [Analysis of data from 25-50 BBCs from each decade (1930s through 1970s).]

- LOWTHER, P. 1984. Catalog of Brown-headed Cowbird hosts in Kansas. *Kansas Ornithological Society Bulletin* 35:25-33. [Cites five BBCs.]
- LOWTHER, P. 1985. Catalog of Brown-headed Cowbird hosts in Iowa. *Proceedings of the Iowa Academy of Science* 92:95-99.
- LYNCH, J. R., AND R. F. WHITCOMB. 1977. Effects of the insularization of the eastern deciduous forest on avifaunal diversity and turnover. Pages 461-490 in *Classification, inventory, and analysis of fish and wildlife habitat* (A. Marmelstein, Ed.). U. S. Fish and Wildlife Service, Office of Biological Services. FWS/OBS 78/76. 604 pp.
- MACARTHUR, R. H., AND J. W. MACARTHUR. 1961. On bird species diversity. *Ecology* 42:594-598. [Used data from two BBC plots.]
- MacClintock, L., R. F. Whitcomb, and B. L. Whitcomb. 1977. Island biogeography and "habitat islands" of eastern forest. II. Evidence for the value of corridors and minimization of isolation in preservation of biotic diversity. *American Birds* 31:6-16. [Comparison of results from this study with previously published BBCs.]
- MARSHALL, R. M. 1991. Breeding Bird Census: 1990. *Journal of Field Ornithology* 62(supplement):27-88. [Data from 98 BBCs.]
- MARSHALL, R. M. 1992. Breeding Bird Census: 1991. *Journal of Field Ornithology* 63(supplement):29-110. [Data from 126 BBCs.]
- MARTIN, J. W., AND B. A. CARLSON. 1998. Sage Sparrow (*Amphispiza belli*). in *The Birds of North America*, No. 326 (A. Poole and F. Gill, Eds.). The Birds of North America, Inc., Philadelphia, PA. [Used BBC data for breeding densities.]
- MAY, P. G. 1982. Secondary succession and breeding bird community structure: patterns of resource utilization. *Oecologia* 55:208-216. [Analysis of data from 40 BBCs.]
- MCNAIR, D. B. 1987. Recent breeding information on birds in a portion of the southern Appalachian Mountains. *The Migrant* 58:109-134. [Used data from 14 BBCs.]
- MITCHELL, M. J. 1960. A resurvey of the breeding-bird population in an upland oak forest on the Anoka Sand Plain. *Audubon Field Notes* 14(6):488-489. [Analysis of two years of data (eleven years apart) from one BBC plot.]
- NIERING, W. A. 1958. Breeding bird studies in Connecticut Arboretum Natural Area. *Connecticut Arboretum Bulletin* 10:14-22. [Information about BBCs conducted in the arboretum.]
- NOON, B. R., V. P. BINGMAN, AND J. P. NOON. 1979. The effects of changes in habitat on northern hardwood forest bird communities. *USDA Forest Service General Technical Report NC-51*, pp. 33-48. [Used many BBCs to look at correlation between habitat structure and species composition.]
- NOON, B. R., D.K. DAWSON, D. B. INKLEY, C. S. ROBBINS, AND S. H. ANDERSON. 1980. Consistency in habitat preference of forest bird species. *Transactions of the 45th North American Wildlife and Natural Resources Conference*. Pp. 226-244. [Analysis of 1971-1979 data from 144 BBC plots.]
- NOON, B. R., D.K. DAWSON, AND J. P. KELLY. 1985. A search for stability gradients in North American breeding bird communities. *Auk* 102:64-81. [Analysis of data from 174 BBC plots censused over 3-22 years.]
- NORRIS, R. A. 1960. Twenty-fourth Breeding-Bird Census. *Audubon Field Notes* 14(6):483-507. [Data from 36 BBCs.]
- O'CONNOR, R. J. 1991. Fading melody: migrant songbirds are dying off with breakup of woodlands. *The Sciences* 31(1):36-41. [Review of some published studies that used long-term BBC data.]
- PAUL, JR., J. T., AND R. R. ROTH. 1983. Accuracy of a version of the spot-mapping census method. *Journal of Field Ornithology* 54:42-49. [Test of the spot-mapping method on a banded population.]
- PETERJOHN, B. G., J. R. SAUER, AND C. S. ROBBINS. 1995. Population trends from the North American Breeding Bird Survey. Pages 3-39 in *Ecology and management of neotropical migratory birds* (T. E. Martin and D. M. Finch, Eds.). Oxford University Press, New York. [Comparison of BBS and BBC data for Wood Thrush and Red-eyed Vireo.]
- PLATT, D. R. 1975. Breeding birds of Sand Prairie Natural History Reservation, Harvey County, Kansas. *American Birds* 29:1146-1151. [Analysis of seven years of data from one BBC plot.]
- RABENOLD, K. N. 1979. A reversed latitudinal diversity gradient in avian communities of eastern deciduous forests. *The American Naturalist* 114:275-286. [Analysis of BBCs from 1940-1974.]
- RABENOLD, K. N. 1993. Latitudinal gradients in avian species diversity and the role of long-distance migration. Pages 247-274 in *Current Ornithology*, vol. 10 (D. M. Power, Ed.). Plenum, New York. [Analysis of hundreds of BBCs from 1975-1984.]
- RALPH, C. J., G. R. GEUPEL, P. PYLE, T. E. MARTIN, AND D. F. DESANTE. 1993. Handbook of field methods for monitoring landbirds. General Technical Report PSW-GTR-144, Albany, CA: Pacific Southwest Research Station, Forest Service, U. S. Department of Agriculture: 35-37. [Summary of BBC methods.]
- ROBBINS, C. S. 1950. Ecological distribution of the breeding Parulidae of Maryland. Thesis (Master of Arts), George Washington University, vii, 145 pp.
- ROBBINS, C. S. 1977. Data bank of North American Breeding Bird Censuses. *Polish Ecological Studies*

- 3:95-98. [Description of the first version of the BBC database.]
- ROBBINS, C. S. 1978. Determining habitat requirements of nongame species. Transactions of the 43rd North American Wildlife and Natural Resources Conference. Pp. 57-68. [Analysis of data from 80 BBC plots.]
- ROBBINS, C. S. 1979. Effect of forest fragmentation on bird populations. USDA Forest Service General Technical Report NC-51, pp. 198-212. [Analysis of six long-term study plots including four BBC plots.]
- ROBBINS, C. S. 1980. Effect of forest fragmentation on breeding bird populations in the Piedmont of the Mid-Atlantic region. Atlantic Naturalist 33:31-36. [Analysis of six long-term study plots including four BBC plots.]
- ROSENBERG, K. V., R. W. ROHRBAUGH, JR., S. E. BARKER, R. S. HAMES, J. D. LOWE, AND A. A. DHONDT. 1999. A land manager's guide to improving habitat for Scarlet Tanagers and other forest-interior birds. Cornell Laboratory of Ornithology, Ithaca, NY. [Lists species associated with Scarlet Tanagers based on BBCs.]
- SAUNDERS, L. P., C. W. SAUNDERS, D. STYER, AND S. PELIKAN. 2005. Bird population changes in a Hamilton County, Ohio, forest. Ohio Journal of Science 105(3):43-45. [Analysis of nine years of data from one BBC plot.]
- SCHROEDER, R. L. 1987. Community models for wildlife impact assessment: a review of concepts and approaches. U. S. Fish and Wildlife Service, Biological Report 87(2). 41 pp.
- SEDGWICK, J. A. 1993. Dusky Flycatcher (*Empidonax oberholseri*). in The Birds of North America, No. 78 (A. Poole and F. Gill, Eds.). Philadelphia: The Academy of Natural Sciences; Washington, D. C.: The American Ornithologists' Union. [Used BBC data for breeding densities in different areas.]
- SERRAO, J. 1985. Decline of forest songbirds. Records of New Jersey Birds. 11(1):5-9. [Comparison of 1957 and 1983 data from one BBC plot.]
- SHORT, J. J. 1979. Patterns of alpha-diversity and abundance in breeding bird communities across North America. The Condor 81:21-27. [Analysis of data from 445 BBCs from 1936-1973.]
- STEWART, R. E. 1947. Eleventh Breeding-Bird Census. Audubon Field Notes 1(6):194-224. [Data from 38 BBCs.]
- STEWART, R. E. 1948. Twelfth Breeding-Bird Census. Audubon Field Notes 2(6):218-244. [Data from 29 BBCs.]
- STEWART, R. E. 1949. Thirteenth Breeding-Bird Census. Audubon Field Notes 3(6):254-272. [Data from 31 BBCs.]
- STEWART, R. E. 1950. Fourteenth Breeding-Bird Census. Audubon Field Notes 4(6):294-306. [Data from 23 BBCs.]
- STEWART, R. E. 1951. Fifteenth Breeding Bird Census. Audubon Field Notes 5(6):313-330. [Data from 36 BBCs.]
- STEWART, R. E., AND C. S. ROBBINS. 1958. Birds of Maryland and the District of Columbia. North American Fauna 62. [Used BBCs for habitat density data.]
- STEWART, R. M. 1972. A summary of bird surveys in California 1947-1971. Point Reyes Bird Observatory Newsletter 21:2-3. [Summary data from 32 BBC plots.]
- STILES-WAINWRIGHT, H. J. 1985. Conducting a Breeding Bird Census. Bird Watcher's Digest 7(5):21-24. [Article about the experience of conducting a BBC.]
- SWANSON, R. A walk through a flood of song. Mississippi Monitor 5(5):9-10. [Essay about the experience of conducting a BBC.]
- TAUB, S. R. 1990. Smoothed scatterplot analysis of long-term Breeding Bird Census data. Pages 80-83 in Survey designs and statistical methods for the estimation of avian population trends (J. R. Sauer and S. Droege, Eds.). U. S. Fish and Wildlife Service, Biological Report 90(1). [Technique for summarizing BBC data.]
- TRAMER, E. J. 1969. Bird species diversity: components of Shannon's formula. Ecology 50:927-929. [Analysis of 267 censuses, most of which were from the BBC program.]
- TRAMER, E. J. 1974. On latitudinal gradients in avian diversity. The Condor 76:123-130. [Analysis of many censuses, most of which were from the BBC program.]
- TWEIT, R. C., AND J. C. TWEIT. 2000. Cassin's Kingbird (*Tyrannus vociferans*). in The Birds of North America, No. 534 (A. Poole and F. Gill, Eds.). The Birds of North America, Inc., Philadelphia, PA. [Used BBC data for breeding densities.]
- VAN VELZEN, W. T. 1971. Thirty-fifth Breeding-Bird Census. American Birds 25(6):960-1022. [Data from 74 BBCs.]
- VAN VELZEN, W. T. 1972. Thirty-sixth Breeding-Bird Census. American Birds 26(6):937-1006. [Data from 99 BBCs.]
- VAN VELZEN, W. T. 1972. Breeding-Bird Census instructions. American Birds 26(6):1007-1010. [Instructions for submitting BBC reports.]
- VAN VELZEN, W. T. 1973. Thirty-seventh Breeding-Bird Census. American Birds 27(6):955-1019. [Data from 125 BBCs.]
- VAN VELZEN, W. T. 1974. Thirty-eighth Breeding Bird Census. American Birds 28(6):987-1054. [Data from 152 BBCs.]
- VAN VELZEN, W. T. 1975. Thirty-ninth Breeding Bird Census. American Birds 29(6):1080-1145. [Data

- from 165 BBCs.]
- VAN VELZEN, W. T. 1977. Fortieth Breeding Bird Census. American Birds 31(1):24-93. [Data from 170 BBCs from 1976.]
- VAN VELZEN, W. T. 1978. Forty-first Breeding Bird Census. American Birds 32(1):49-125. [Data from 181 BBCs from 1977.]
- VAN VELZEN, W. T. 1979. Forty-second Breeding Bird Census. American Birds 33(1):54-114. [Data from 199 BBCs from 1978.]
- VAN VELZEN, W. T. 1980. Forty-third Breeding Bird Census. American Birds 34(1):41-106. [Data from 219 BBCs from 1979.]
- VAN VELZEN, W. T. 1981. Forty-fourth Breeding Bird Census. American Birds 35(1):46-112. [Data from 228 BBCs from 1980 plus a few from 1979.]
- VAN VELZEN, W. T., AND A. C. VAN VELZEN. 1982. Forty-fifth Breeding Bird Census. American Birds 36(1):49-106. [Data from 209 BBCs from 1981.]
- VAN VELZEN, W. T., AND A. C. VAN VELZEN. 1983. Forty-sixth Breeding Bird Census. American Birds 37(1):49-108. [Data from 214 BBCs from 1982 plus a few from earlier years.]
- VAN VELZEN, W. T., AND A. C. VAN VELZEN. 1984. Forty-seventh Breeding Bird Census. American Birds 38(1):64-138. [Data from 194 BBCs from 1983 plus many from earlier years.]
- VAN VELZEN, W. T., AND A. C. VAN VELZEN. 1985. Forty-eighth Breeding Bird Census. American Birds 39(1):109-114. [Summary table for 127 BBCs from 1984 plus two from 1983.]
- VAN VELZEN, W. T., AND A. C. VAN VELZEN. 1986. Forty-ninth Breeding Bird Census. American Birds 40(1):69-72. [Summary table for 103 BBCs from 1985 plus a few from 1984.]
- VAN VELZEN, W. T., AND A. C. VAN VELZEN. 1987. Fiftieth Breeding Bird Census. American Birds 41(1):153-155. [Summary table for 39 BBCs from 1986 plus one from 1985.]
- VAN VELZEN, W. T., AND A. C. VAN VELZEN. 1988. Fifty-first Breeding Bird Census. American Birds 42(1):145-148. [Summary table for 70 BBCs from 1987 plus many from earlier years.]
- VAN VELZEN, W. T., AND A. C. VAN VELZEN. 1989. Fifty-second Breeding Bird Census. American Birds 43(1):184-186. [Summary table for 79 BBCs from 1988. Does not include eight late reports (see Engstrom 1989).]
- VERNER, J., AND K. A. MILNE. 1990. Analyst and observer variability in density estimates from spot mapping. The Condor 92:313-325. [Test of spot-mapping method and recommendations for using BBC data.]
- WEISER, C., AND D. J. HLAVINI. 1956. Comparison of breeding-bird populations of three deciduous shelterbelts. Audubon Field Notes 10(6):416-419. [Analysis of one year of data from three BBC plots.]
- WHITCOMB, R. F. 1977. Island biogeography and "habitat islands" of eastern forest. I. Introduction. American Birds 31:3-5. [Part of a detailed study of BBCs in Maryland.]
- WHITCOMB, R. F., J. F. LYNCH, P. A. OPLER, AND C. S. ROBBINS. 1976. Island biogeography and conservation: strategy and limitations. Science 193:1030-1032. [Analysis of data from one long-term BBC plot in Illinois.]
- WHITCOMB, R. F., C. S. ROBBINS, J. F. LYNCH, B. L. WHITCOMB, M. K. KLIMKIEWICZ, AND D. BYSTRAK. 1981. Effects of forest fragmentation on avifauna of the eastern deciduous forest. Pages 125-205 in Forest island dynamics in man-dominated landscapes (R. L. Burgess and D. M. Sharpe, Eds.). Springer-Verlag, New York. 310 pp. [Used BBC data to estimate territory sizes from densities for many species.]
- WHITCOMB, B. L., R. F. WHITCOMB, AND D. BYSTRAK. 1977. Island biogeography and "habitat islands" of eastern forest. III. Long-term turnover and effects of selective logging on the avifauna of forest fragments. American Birds 31:17-23. [Detailed study of two BBC plots.]
- WIENS, J. A. 1975. Avian communities, energetics, and functions in coniferous forest habitats. Pages 226-265 in The management of forest and range habitats for nongame birds symposium proceedings. USDA Forest Service, General Technical Report WO-1.
- WILLIAMS, A. B. 1936. The composition and dynamics of a beech-maple climax community. Ecological Monographs 6(3):317-408. [Early use of spot-mapping method.]
- WOOLFENDEN, G. E., AND S. A. ROHWER. 1969. Breeding birds in a Florida suburb. Bulletin of the Florida State Museum 13:1-83. [Analysis of two years of data from three plots. Compares these data to averages from many other BBCs.]