

## SPRING BIRD COUNT — 1995

PEGGY V. FEREBEE

We had 16 areas represented in this year's count, up from last year's 14. New counts this year included Avery County, and Gaston County, North Carolina. Charlotte is included this year, after missing last year. We did not receive information from Chapel Hill this year. The addition of these new areas improves the diversity of habitats covered. Margery Plymire of Linville Falls is to be especially commended for doing the Avery County count by herself! Perhaps some CBCers in that area could volunteer to help her next year. It's a great excuse to spend the day in the beautiful North Carolina mountains. We need more counts from the mountains and the coast in North Carolina, and from anywhere in South Carolina. I was late in getting materials out to several people who volunteered to work new areas but you're on my list for next year!

Even though we had more count areas than last year, observers actually spent less time in the field—955.75 hours total compared to 1152 hours in 1994. This needs to be taken into account when comparing this year's count with previous counts. The inclusion or omission of particular count areas must also be considered. Observers reported 72,367 individuals of 233 species in 1995, compared to 74,936 individuals of 239 species for 1994.

Double-crested Cormorants continue to be comfortable inland, sometimes in very large flocks (500 in Durham). Canada Geese continue to increase and we are receiving more and more complaints from people in Greensboro who consider them pests. Bald Eagles are staying steady in the state and Greensboro reported another successful hatching for their birds. Mute Swans showed up on three counts. Birds like this are always a problem, since there are a lot of non-native waterfowl that escape from hobbyists. The notable thing about the birds in Raleigh and Southern Pines are that they are breeding and it will be interesting to see what happens with this feral population.

When I was learning to tell the *Accipiter* hawks apart, everyone assured me Sharpshinned Hawks were much more common than Cooper's. John Fussell noted in his 1992 summation of the counts of the previous ten years that Cooper's were being reported almost as often as Sharpies. This year twice as many Cooper's were reported, so hopefully the numbers of this species really are up. Broad-winged Hawks seem to be declining. The bobwhite population seems to be moving back up slightly. Wild Turkeys seem to be stable, but snipe continue to decline, along with Woodcock.

Phoebes continue to decline. Acadian Flycatchers also declined. At first glance it seemed that Great Crested Flycatchers made a dramatic leap, but that was only because Charleston reported 639. Hummingbirds are still down. After a low of 25 last year, Ruby-crowned Kinglets were up to their 1992 level, which is why you have to be careful looking at the data from only two years! Some birds that we take for granted showed declines: Flickers, Blue Jays, Carolina Chickadees, Tufted Titmouse, and Carolina Wrens. It is easy to overlook these more common species in our quest for the "hot" birds. But we need accurate figures on them as well. There are indications that

these birds we think have adapted so well to the disrupted urban habitat haven't adapted as well as we think.

All the Vireos show a decline, even the Red-eyed. Observers reported 31 species of warblers and although some species such as Parulas and Redstarts are steady, as a group the numbers of individuals decreased. Among the blackbirds, Orchard Orioles showed a slight increase as did Red-winged Blackbirds. Eastern Meadowlarks continue to decline, along with their open habitat. Surprisingly, Common Grackles and Brown-headed Cowbirds also showed a decline. I hope this is a true decline and not the result of folks getting tired of counting them. Goldfinches are still down as are House Sparrows.

## COMPILER'S COMMENTS

**ACNC** - Avery County, NC. Intersection US 221 and Old Jonas Ridge Rd., Pinola, NC. May 23, 610 - 1838. Temp 42°-76°, precipitation none. Wind S-SW, Beaufort 1-2, except on Grandfather Mountain, force 3. Sky partly cloudy, mostly overcast on Grandfather Mountain 1030-1230.

**Participants:** Compiler - Margery Plymire, Box 306, Linville Falls, NC. 28647; Margery Plymire.

**Compiler's Comments:** This is a new area that includes the Blue Ridge Parkway, Grandfather Mountain, Linville, Crossnore, Newland area and Linville Falls area north of intersection US 221 and NC 184.

My count was a bit late. The Kestrel was a bonus. I don't recall finding the species in Avery County when I lived here before. It certainly is not common here. An unidentified chickadee was over 5000' on Grandfather Mountain. I thought it sounded like a black-capped, but its hard to call out of context.

The Pine Siskins have been at the nature museum on Grandfather Mountain each time I have stopped there since March 7 (minimum 2) and the birds were singing April 15. There was also a streaked junco independent, feeding on sunflower seeds, also at the nature museum.

The Swainson's Warbler was seen at 3350'. I heard it for sometime before seeing it, sitting on a hemlock limb. This is a species with which I am well acquainted.

**Ed. Note:** Its a big area to cover alone. Perhaps there are other birders in the area who could offer to help Ms. Plymire next year. She is also interested in a Christmas Count in this area.

**GVNC** - Greenville, NC. 35°35'N 77°14'W, jct. of CR 1762 and SR 33. May 7, 0700 - 1500. Temp. 50°-70°F, precipitation none. Wind 10 mph, sky condition partly cloudy, partly sunny.

**Participants** - Co-compilers: John Wright, 1953 A Quail Ridge Rd., Greenville, NC 27858 and Dr. Veronica Pantelidis, 106 Lakeview Dr., Greenville, NC, 27858; Mary Atkeson, Bill Davis, Lou Davis, Kim Green, Ken Harrell, David Kaminski, Jill Kaminski, Veronica Pantelids, John Wright, Paula Wright.

**RVNC** - Raven Rock State Park, intersection of NC 210 and SR 1434; 2.75 miles north of Lillington. April 29, 0530 - 1700. Temp. 48°-82°F, no precipitation. Wind s-sw, 0-15 mph, sky clear.

**Participants:** Compiler: Paul C. Hart, Raven Rock State Park, Rt. 3, Box 1005, Lillington, NC 27546; David Brown, Hal Broadfoot, Jr., Paul Hart, Bobby Luffy, Kaye Parker, Larry Rose, Mary Stevens.

**Compiler's Comments:** The total of 93 species was the lowest total for this count since 1990 (94 species). An average of 112 species have been seen over the past four years. The low species count is probably attributable to the fact that only 36 hours were spent in the field, with only seven observers participating. An average of 53 field hours have been recorded over the past several years.

David Brown and Kaye Parker observed the Glossy Ibises flying over a pond at an abandoned sand and gravel operation west of Lillington. Good details were provided. This sighting represents the first records of this species on the spring count.

**RANC** - Raleigh, NC. 35°46'N 78°40'N, near Norfolk and Southern Railroad and Lake Wheeler Rd. crossing. April 29, 0515-1700. Temp 55°-75°F, no precipitation. Wind calm to 10 mph, sky clear.

**Participants:** Compiler- John Conners, 1227 Mordecia Dr., Raleigh, NC. 27604; Susan Barrell, Jerome Brewster, Martha Brewster, Hal Carmichael, John Conners, Will Cook, Diane Cutler, Kent Fiala, John Finnegan, Christina Harvey, Stephanie Horton, Mark Johns, Will Kimler, Ken Knapp, Gail Lankford, Herman Lankford, Mary Leuba, Jim Mulholland, Joanna Perkinson, Will Roland, Paulette Van de Zande.

**DUNC** - Durham, NC. 36°09'N 78°40'W, as described Christmas '93, center 1 mile east and 1 mile north, jct. Eno River and US 501. April 23, 0545 to 2130. Temp. 60°-48°F, periods of light rain, wind NE at 0-5 mph., sky condition overcast.

**Participants:** Compiler- Michael Schultz, 5504 Woodberry Rd., Durham, N.C. 27707; Peter Burke, C.J. Nelson, Will Cook, Anson Cooke, Leto Copeley, Greg Dodge, Kent Fiala, Maurice Graves, Tom Krakauer, Lori Marlowe, Lauren Parmelee, Jeffery Pippen, Lois Schultz, Michael Schults, Douglas Shadwick, Julia Shields, Jonathan Steere, Edith Tatum.

**CANC** - Charlotte, NC. Center intersection Woodlawn Rd. and South Blvd. May 5, 0615 to 1800. Temp. 70-85° F, no precipitation or wind. Sky conditions clear.

**Participants:** Compiler - Kevin B. Hennings, 900 W. Franklin St., Monroe, NC, 28112; Eddie Andrews, Bob Biergard, Jim Clark, Marianne Clark, Bill Cobey, Flo Cobey, Bill Dustin, Dave Frech, Ethel Frech, Lee Gillamn, Kevin Hennings, Robert Jones, Carol Jorgensen, Dave Lovett, Eleanor O'Neill, Taylor Piephoff, Lisbeth Stockman, Rob Van Epps, Judy Walker, Harriet Whitsett, David Wright, Marcia Wright.

**Compiler's comments:** The Snow Goose is an individual that had been hanging around with a flock of resident Canada Geese for several weeks. One of the Cooper's Hawks was at an active nest. Yellow-crowned Night Heron was also on a nest.

**WSNC** - Winston Salem, NC. 36°05'N 80°18'W, as described Christmas '93, center Silas Creek and Business I-40. May 6, 0400 to 2000. Temp. 62° - 82° F, no precipitation, light wind from the southwest, sky condition partly cloudy to clear.

**Participants:** Compiler- David Disher, 4145 Chatham Hill Dr., Winston-Salem, NC 27104. Kay Bergery, Tammy Bohannon, Reggie Burt, Zack Bynum, Jim Carlyle, Peggy Cochrane, Linda Davis, Carolyn Della Mea, Michael Dell Mea, Doug Deneve, David Disher, Susan Disher, Cynthia Donaldson, Charlie Frost, Dave Gano, Bill Hammond, John Hammond, Susan Hammond, David Heauner, Bert Hollifield, Royce Hough, Michael Hough, Lois Jones, Barbara Kendrick, Peggy Kinlaw, Judy Lawrence, Jim Martin, Sue Moore, Tom Mowbray, Ed Mulvey, Margaret Mulvey, Ann Newsome, Paul Powers, Lloyd Ramsey, C. Sommer, Jackie Shelton, Ramona Snavely, Paul Spain, Jim Spencer, Bill Sugg, Gray Tuttle, Harrison Tuttle, Jay Wilhelm, Bob Witherington.

**Compiler's comments:** I attribute the lower than usual number of species and birds to the very warm months of March and April in the area. The migration seems to have hit its peak about one month earlier. The low number of Grasshopper Sparrows is indicative of shrinking habitats in the south part of the circle. The Bobolinks continue to be found in the same farmer's fields year after year. If he sells or plows his field the Bobolinks will disappear from our count. This year we found a new nesting colony of Cliff Swallows on a bridge over the Yadkin River at the extreme SW corner of our circle. The swallows had moved in and 11 nests could be seen from the Forsyth County side. We had a large number of Solitary Sandpipers and Spotted this year from all the wet areas in the circle. We had low numbers of warblers and fewer species than usual.

**JLNC** - Jordan Lake, NC. New Hope River and SR 1700, Chatham C. Co. (now under water). May 7, 0430 - 2100. Temp 50°-75° F, no precipitation, wind light. Sky partly cloudy in the morning then clearing.

**Participants:** Co-compilers- Will Cook, 418 Sharon Rd., Chapel Hill, NC, 27514 and Barbara Roth, Carolina Meadows, Villa 347, Chapel Hill, NC; Ben Aitken, Dennis Alwon, Barbara Beaman, Barbara Brooks, Norman Budnitz, Peter Burke, Patrick Coin, Anson Cooke, Emily DeVoto, Julie Drohan, Claudia Egelhoff, Chris Eley, Bert Fisher, Jim Fry, Bryan Goldson, Jim Graves, Maurice Graves, Perry Haaland, Bob Hale, Steve Hall, Walton Haywood, Carol Hay, Chuck Helmick, Russell Herman, Loren Hintz, Fran Hommersand, Dorothy Irvin, Steve Kahler, Jim Keighton, John Kent, Betty King, Chip Konrad, Edward Kuezler, Henry Link, Terry Logue, Phillip Manning, Melinda Meade, Lynn Milich, Joni Mitchell, Lori Moilanen, Judy Murry, Monica Nees, Randy Neighbarder, C.J. Nelson, Rick Payne, Kevin Powell, Barbara Roth, Harriet Sato, Peg Schultz, Douglas Shadwick, Julia Shields, Carol Siebert, Ed Suffern, Neil Taylor, Pam Timmons, Andy Upshaw, Margaret Vimmerstedt, Martha Wayne.

**Compiler's comments:** Jordan Lake had an above average count both in number of species and number of birds. With an outstanding 61 participants and good luck, we set or tied record highs for 21 species: Wood Duck, Mallard, Common Merganser (tie), Red-breasted Merganser, Turkey Vulture, Osprey (tie), American Kestrel, Rock Dove, Black-billed Cuckoo (tie), Hairy Woodpecker, Great Crested Flycatcher, Eastern Kingbird, Tufted Titmouse, White-breasted Nuthatch, Carolina

Wren, Eastern Bluebird, Brown Thrasher, Black-throated Blue Warbler, Pine Warbler and House Finch. The only species showing a serious decline is House Sparrow, with about half the number of the previous low. It's getting to be a rare bird around Jordan Lake.

There were no new birds to the count, but quite a few goodies turned up. A male Common Merganser was found near the western shore of Jordan Lake by Doug Shadwick's and Henry Link's parties, the third time in the last five spring counts. I bet it is the same individual from the 1991 and 1993 counts. Two American Coots were found at Harris Lake by Will Cook's party, the first count record since 1985. They were still present two weeks later. Although they breed in Raleigh, American Kestrels have only been seen on three previous Jordan Lake spring counts, so it was a real surprise when three separate parties spotted one each! Jim Keighton's party found a Sanderling and a Forster's Tern at Ebenzer Church, only the third and fourth records, respectively, in 19 counts. Terry Logue heard a Black-billed Cuckoo in two different locations, for a fourth count record. Terry also saw a Tennessee Warbler, which is rare in spring and only the fifth count record. Unfortunately, all that time spent finding warblers and cuckoos meant that he got to the the Bachman's Sparrow spot late (near 1 am), just in time to hear one singing. The next weekend a Chapel Hill Bird Club field trip found a singing male and heard at least two others, though the total population is probably several times greater. That trip also found a Loggerhead Shrike in the Bachman's field, three days too late for the count period.

All in all, it was a great count, with many record highs and a good number of rarities, as well as an unprecedented number of counters, parties, and party hours of birding.

**GRNC** - Greensboro, NC. At the intersection of Pisgah Church and Highway 220N. May 6, 0600 - 1930. Temp 49° to 76° F, precipitation none. Wind 8 mph from nw in the AM and 5 mph in the PM, light clouds during the day.

**Participants** - Compiler - Donald Allen, 2611 David Caldwell Dr., Greensboro, NC 27408; Carolyn Allen, Donald Allen, Jean Berry, Dennis Burnette, Charles Campbell, Nancy Carlson, Sue Cole, Phil Crisp, Scott DePue, John Egan, Nancy Everhart, Rose Freedman, Delores Foutch, Wally Foutch, Larry Gasper, Stan Gilliam, Linda Gonzalez, John Groves, Nancy Hannah, Sally Howell, David Humphries, Elizabeth Link, Henry Link, Jean McCoy, Clarence Mattock, Jim Mattocks, Roger McNeill, Ron Morris, Lynn Moseley, Megan O'Conner, Elizabeth Ogburn, Deb Pierce, Carol Ricketts, Danny Royster, Evelyn Schoonover, John Schoonover, Wally Sills, Barbara Smith, Mike Smith, Laurie Sorrell, Will Sorrell, Jr., Henry Strickland, Westlyn Strickland, Tom Street, Ernest Swarts, Emily Talbert, Jeff Taylor, Emily Tyler.

**Compiler's Comments** - A good count as far as the number of species. I have looked at what I have back to 1973 and this is the best since then. It helps to have a large number of parties in the field. Weather was good and you can't ask for much more.

The Common Loon was reported by H. Link for the count period. Pied-billed Grebes were reported by three parties- Schoonover, Sorrell, and Egan. D. Allen reported the 3 Yellow-crowned Night Herons for the count period. They are nesting in Peabody

Park on the UNCG campus. The Blue-winged Teal were reported by Jean McCoy's party. S. Gilliam picked up the Eagles this time. Semipalmated Plovers were reported by three parties: Gilliam, McCoy and Link. Semipalmated Sandpipers were reported by S. Gilliam. J. Egan turned in the Pectoral Sandpiper. H. Link found the Black-billed Cuckoo, Acadian Flycatcher, Yellow-throated Vireo, Bay-breasted Warbler and Cerulean Warbler in the Count period. He also reported the Tree Swallow and the Cliff Swallow. The Yellow-bellied Sapsucker was found by J. Schoonover's party. J. Mattocks found the Acadian Flycatcher. Four parties reported Ruby-crowned Kinglets. The Mute Swan was seen and reported by both S. Gilliam and H. Link. He has been hanging out at the upper end of Lake Brandt at Horsepen Creek where I found it a few days after Count.

**ICNC** - Iredell County, NC. 35°54'N 82°18'W. April 30, 0630 to 1600 . Temp 60° - 76°F, trace of precipitation in the morning, winds 8-10 mph in AM and NW 9 mph in PM Sky cloudy in the morning and mostly sunny in the afternoon.

**Participants:** Compiler - Sam Cathey, 130 Park Street, Statesville, NC 28677; Debbie Birnley, Sam Cathey, Bill English, Lois Goforth, Steve Hendrick, Flippin Jones, Larry Marlin, Joel McConnell, Sue McConnell, Dick Mize, Casey Rhinehart, Elaine Rines, John Robertson, Garnet Underwood, Ron Underwood.

**SPNC** - Southern Pines, NC. Center 1 miles NE of Skyline. May 7, 0500 to 1700. Temp. 53°-75°F, no precipitation, wind calm to 8 mph W. Sky condition Fair.

**Participants:** Compiler- J.H. Carter, III; Jackie Britchen, J.H. Carter, III, Crawford Caton, Hazel Caton, Bob Cobey, Faust D'Ambrosi, Dick Dole, Lois Dole, Louise Ellison, Beth Evans, Bryce Fleming, Esther Fleming, Charlotte Gantz, Scott Hartley, Dean Holzgraf, Tom Howard, Marion Jones, Susan Ladd, Al McDonald, Trevor McDonald, Winnifred Monroe, Mary Stephenson, Elizabeth Watson, John Watson, Alice Wood, Dom Wood.

**LCNC** - Lenoir, Caldwell County. Mount Herman Community. May 13, 0600 - 2100. Temp. unrecorded, no precipitation, wind 0-4 mph. Sky sunny in AM, heavy clouds in PM.

**Participants:** Compiler- Sonny Hines, PO box 795, Lenoir, NC. 28645; Dot Hendrick, Richard Hendrick, Andy Hines, Sonny Hines, Bob Holland, Adam Martin, Dom D'Ostillo, Chuck Powell, Marge Powell, David Porter, Rodney Stalheim, Susan Stalheim, Carolyn Wagoner, Jim Wagoner, Rankin Whittington.

**Compiler's Comments:** Willow Flycatcher was identified by song by Dot Hendrick, Dom D'Ostillo and Adam Martin at a range of about 20 yards. Clearly observed at that range by group of nine birders. Osprey was seen over Lake Hickory by Andy Hines and Sonny Hines in vicinity of Hwy 321 Bridge. Bird was flying east in direction of Lookout Shoals. Adam Martin reported 6 Osprey at Lookout Shoals in late April. Female Red-Breasted Merganser seen on Lake Hickory at NC boat launch area near Gunpowder Creek. Group of six birders viewed the merganser at range of 40 yards.

**GCNC** - Gaston County, NC. 35°14'N 81°12'W, Crowders Mountain State Park, Park Office. May 6, 0700 - 12:00. Temp. 49° - 76°F, precipitation none. Wind light, sky clear.

**Participants:** Compiler: Duane J. Flynn, 209 Wrentree Lane, Gastonia, NC.; Laqmar Ashe, Sherry Chisenhall, Duane Crane, Duane Flynn, Anthony Goff, Benjamin Goff, Scott Hudson, Hope Paasch.

**CHSC** - Near the Channel 2 and 5 TV tower just off Seewee Rd, no change from last year. April 30 ( no times given). Temp. 68° F-80° F, no precipitation. Wind light to 25 mph S to SE, mostly SE. Sky condition partly cloudy to clear.

**Participants** - Compiler: Edwin L. Blitch, 16 Wycreek Ave., Charleston, SC 29412-2525:

Edwin Blitch, J.R. Burgis, Billie Chinn, Bob Chinn, E.C. Clyde, Steve Compton, Edward Conradi, Hal Curry, Dennis Foysythe, Donna Forsythe, Donald Frey, Judith Frey, Julian Harrison, Bobbin Huff, Gil Huff, Jeremy James, Ann Jones, Scott Manning, David McLean, David McLean, Jr., Herbert McMurphy, Perry Nugent, Carl Simms, Jean Simms, Don Watts.

**Compiler's Comment:** The group that saw the Roseate Spoonbill (Caspers Island group, Jeremy James, Hal Curry, and Herbert McMurphy) had good looks at the bird (binocular range) in the Atlantic Ocean off Caspers and Bull Island—probably about 2-2.5 miles off shore. The same group had a single bird last spring.

**CGSC** - Congaree Swamp (Richland and Calhoun Co.), SC. 300 meters west of the confluence of Bates Mill Creek and Congaree River. May 6, 0700 - 2200. Temp 55°- 92° F, precipitation none. Wind south, 0-5 mph. Sky clear AM, partly cloudy PM.

**Participants** - Compiler: Robin Carter, 4165 E. Buchanan Dr., Columbia, SC 29206; Phyllis Beasley, Molly Bonnell, Robin Carter, Steve Dennis, Bruce Drinkwater, Caroline Eastman, Dennis Forsythe, Donna Forsythe, Larry Gardella, Tom Hankins, Nancy Lyman, Steve Paris, Bruce Smart, Roger Smith, Gary Sowell, Jack Stewart, Lula Stewart, Tammy Sutherland, Glenda Swearingen.

**Compiler's Comments:** The Congaree Swamp Spring Count was held for the third year. We had our best year yet, mostly because of better coverage. In 1995 we had 41.5 party-hours of coverage, versus 24.5 party-hours in 1994 and 21.0 party-hours in 1993. As a result we found a record 113 species, as opposed to 101 species in both 1993 and 1994.

Over the three years we have found a combined list of 127 species, including eleven new species in 1995: Little Blue Heron, Osprey, Common Nighthawk, Cliff Swallow, Veery, Solitary Vireo, Magnolia Warbler, Black-throated Green Warbler, Blackpoll Warbler, Canada Warbler, and Swamp Sparrow.

No true rarities were found in 1995. Species with very low counts were 11 Northern Bobwhites and only 37 Purple Martins - amazing, since part of the circle included the town of St. Matthews, which calls itself the Purple Martin Capital of South Carolina. On the bright side were several high counts, which emphasize the fact that the Congaree Swamp harbors very high numbers of birds at all seasons: 34 Yellow-billed Cuckoo, 31 Ruby-throated Hummingbirds, 209 woodpeckers of seven species, 50 Acadian Flycatchers, 112 Great Crested Flycatchers, 141 Northern Parulas,

Species	ACNCCANC	GVNC	SPNC	RVNC	RANC	DUNC	JLNC	GRNC	WSNC	ICNC	LENC	GCNC	CHSCCGSC	SPSC	TOTAL	
Common Loon			4			3	1	*					2		10	
Pied-billed Grebe								3					10		13	
Horned Grebe			1										2		3	
Northern Gannet													100		100	
Brown Pelican													493		493	
Dbl.-cr. Cormorant		10	22	1	1	500	225	111	11	5			467	1	1354	
Anhinga													4	2	6	
Least Bittern													6		6	
Great Blue Heron	5	7	3		4	11	12	10	2	11	1		62	29	3	160
Great Egret		8				7							88	5	108	
Snowy Egret													104		104	
Little Blue Heron											1		34	2	38	
Tricolored Heron													99		99	
Cattle Egret													7	13	20	
Green Heron		4	5	6	8	2	15	18	9	1	1	1	49	3	5	127
Black-cr. Nt-Heron													11		11	
Yell-cr. Nt-Heron	1							*	2				1	2	6	
White Ibis													27		27	
Glossy Ibis				3									32		35	
Wood Stork													2		2	
Roseate Spoonbill													1		1	
Mute Swan			3		2			1							6	
Snow Goose (dark)	1														1	
Canada Goose	112	7	15	36	75	57	39	373	277	55	15	5		7	43	1116
Wood Duck	4	7	15	2	43	30	77	16	44	11			19	13	2	283
Am. Black Duck	4	2													7	13
Mallard	79	11	80	12	37	52	69	288	49	20	7		13		45	762
Blue-winged Teal	1				2	14		2	1	2			2			24
Black Scoter													7			7
Com. Merganser							1					1	2			4
Red-br. Merganser		*	3				6									9
Black Vulture		12	1			4	6	1	7	4			49	10	30	124
Turkey Vulture	12	17	4	19	15	25	164	25	28	17	1	1	138	22	15	503
Osprey		6	2		2	4	24	10	1	1	1		37	1		89



Species	ACNCC	CANC	GVNCS	SPNC	RVNC	RANC	DUNC	JLNC	GRNC	WSNC	ICNC	LENC	GCNC	CHSC	CGSC	SPSC	TOTAL
Am Swallow-td Kite														4			4
Mississippi Kite													22	15			37
Bald Eagle			3				2	4	2				6				17
Northern Harrier				1	1		1						1			1	5
Sharp-shin. Hawk			1			1	1	3	1	2	2						11
Cooper's Hawk	2			2			1	2	5	9	1	1		2		*	25
Acciper sp.									1								1
Red-shoulder Hawk	3	2	8	4	1	6	16	12	3				10	10	2		77
Brd -winged Hawk	1		3				4	2	4								14
Red-tailed Hawk	11	4	24	7	14	16	27	35	28	7			12	5	9		199
Amerian Kestral	1	2	2	4		1		3	1	2		2	15			1	34
Wild Turkey							3	2			1		1	3	2		12
Northern Bobwhite			15	25	11	12	19	33	7	13	14	2	26	11	33		221
Clapper Rail													42				42
Sora													1				1
Common Moorhen													76				76
American Coot	2			1			1	2	1		1		53				61
Black-bld. Plover													189				189
Wilson's Plover													59				59
Semipalm. Plover				2					14				305				321
Piping Plover													1				1
Killdeer	38	20	21	7	22	34	23	47	17	17	2		45	1	16		310
Am. Oystercatcher													230				230
Black-necked Stilt													13				13
Greater Yellowlegs						1		8					44				53
Lesser Yellowlegs			3		3		4	14	4				27				55
Yellowlegs sp.			1														1
Solitary Sandpiper	19	1	1	*	45	2	21	63	61	4	2		2				221
Willet													61				61
Spotted Sandpiper	23	17	47	3	23	11	58	72	30	2	1		29	1	1		318
Whimbrel													144				144
Marbled Godwit													3				3
Ruddy Turnstone													53				53
Red Knot													1025				1025

Species	AC	NC	CANC	GVNC	SPNC	RVNC	RANC	DUNC	JLNC	GRNC	WSNC	ICNC	LENC	GCNC	CHSC	CGSC	SPSC	TOTAL
Sanderling									1						111			112
Semip. Sandpiper										2					2			4
Western Sandpiper															31			31
Least Sandpiper			4	2	9	1	15		11	27	4				1			74
White-rumped Sand.															1			1
Pectoral Sandpiper										1								1
Dunlin														132				132
Sh.-bill. Dowitcher														123				123
Common Snipe							3	2					1					6
Am. Woodcock											2				3			5
Laughing Gull				4										1427				1431
Bonaparte's Gull				10					12									22
Ring-billed Gull		10	61	4			4	190	146	16	64		1		97			593
Herring Gull					1				1		1				32			35
Gull-billed Tern															28			28
Caspian Tern					2			7	5						2			16
Royal Tern															435			435
Sandwich Tern															75			75
Common Tern															2			2
Forster's Tern								5	1						84			90
Least Tern															144			144
Black Skimmer															317			317
Rock Dove		198	13	8	3	113	98	71	140	53	20	10			6	11		744
Mourning Dove	26	300	101	230	74	195	155	230	508	236	207	22	15	431	94	31		2855
Com. Ground-Dove															6		111	117
Blk.-billed Cuckoo				1				2	*		2							5
Yel.-billed Cuckoo		4	4	15	2	3	2	29	2	3			2	140	34	3		243
Common Barn-Owl													2				1	3
East. Screech Owl		1	2	3	5			1	2	1	2			13	1			31
Gt. Horned Owl		2	1	2		2	2	8	1	2				6	1	*		27
Barred Owl		3	2	6		5	8	13	2	1	1			5	14	2		62
Com. Nighthawk		2	1			1				1	19	2		5	1	2		34
Chuck-will's widow				5	48	6	1		5		2	2		101	4	2		176
Whip-poor-will				3	22	3		5	47		1	2		8		2		93

Species	AC	NC	CANC	GVNC	SPNC	RVNC	RANC	DUNC	JLNC	GRNC	WSNC	ICNC	LENC	GCNC	CHSC	CGSC	SPSC	TOTAL
Chimney Swift	4	143		60	190	38	112	30	165	261	169	57	4	10	216	117	105	1681
Ruby-thr. Hum-bird	1	4	4	8		3	10	9	13	10	3	4	2	1	4	31	8	115
Belted Kingfisher	1	7	3	5			9	9	7	21	7	5	1		3	2	3	83
Red-head. W-pecker		21	3	9		12	7	8	15	19	1				171	14	2	282
Red-bel. W-pecker		29	14	49			59	45	101	70	58	33	2		106	131	18	715
Yel.-bel. Sapsucker					1					1				1	1			4
Downy Woodpecker		16	5	12		7	16	14	39	28	24	5	1		22	12	1	202
Hairy Woodpecker		2	4				9	7	11	2	16	3	1	1		2		58
Red-ckd W-pecker					8										13	1		22
Northern Flicker	3	11	7	21		1	14	19	33	40	39	8	1		14	6	6	223
Pileated W-pecker	3	1	11	16		5	8	2	13	5	4	9	1	2	22	43	4	149
Olice-sd Flycatcher					3													3
East. Wood-Pewee	1	8	14	30		1	5		48	5	9	6			28	40	7	202
Acadian Flycatcher	1	8	7	6		17	16		18	1	3	3			18	50	3	151
Willow Flycatcher											1		1					2
Least Flycatcher									1									1
Empidonax sp.		1							1							1		3
Eastern Phoebe	8	24	2	22		16	9	27	42	25	38	45	2				19	279
Gt. Cr. Flycatcher	1	39	25	67		8	15	12	61	24	12	12	1	1	639	112	5	1034
Eastern Kingbird		13	9	98		10	47	16	135	47	25	21	8		48	53	22	552
Horned Lark			2							3								5
Purple Martin		9	33	79		7	25	43	176	347	30	73		1	202	37	49	1111
Tree Swallow			7	12		3	10		42	1	5				308			388
Rough-w. Swallow	4	28	24	38		9	27	53	31	92	38	9	4		53	2	7	419
Bank Swallow			1	4			2		32	6			2		1			48
Cliff Swallow		6	15					5	135	1	25					1		188
Barn Swallow	4	45	93	115		77	88	132	181	186	77	88	13		731	4	79	1913
Blue Jay	28	48	20	57		13	62	75	128	206	140	71	3	7	39	33	63	993
American Crow	27	65	64	162		65	122	118	272	255	111	124	6	4	108	52	57	1612
Fish Crow			15	51		4	65	9	10	7					51	29	1	242
Common Raven	8										6							14
Carolina Chickadee	8	53	56	50		14	83	115	178	147	108	37	2	11	73	35	26	996
Tufted Titmouse	11	35	17	41		32	86	82	226	99	84	32	2	7	51	69	22	896
Red-br. Nuthatch	4																	4

Species	ACN	CCAN	GVNC	SPNC	RVNC	RANC	DUNC	JLNC	GRNC	WSNC	ICNC	LENC	GCNC	CHSC	CGSC	SPSC	TOTAL
White-br. Nuthatch		6	1	8		12	8	9	19	19	7		1	1	21		112
Brown-he. Nuthatch		6	1	34	1	8	8	60	27	10	6	2		42	5	4	214
Brown Creeper										1							1
Carolina Wren	6	93	44	82	25	125	137	218	163	103		4	3	141	105	17	1266
House Wren	9	21			1	8	8	4	12	21	62					16	162
Winter Wren	1										7						8
Marsh Wren				1										14			15
Golden-cr. Kinglet	*						1										1
Ruby-cr. Kinglet		8		6	3	7	29	5	9	15	2	1	1		3		89
B-g. Gnatcatcher		62	33	55	31	109	175	187	47	39	20	1	6	113	90	13	981
Eastern Bluebird	2	37	31	165	31	44	81	220	238	63	181	8	1	120	19	75	1316
Veery	13			2		1		3	4	4					5		32
Gray-cheek Thrush		1								1			1				3
Swainson's Thrush		4		1		1		2	9	12	1		1		7		38
Hermit Thrush				1			4		1	1	2						9
Wood Thrush	5	7	22	35	23	43	37	91	68	35	10			3	12	4	397
American Robin	85	122	108	95	24	129	336	125	1017	409	274	30	1	8	4	113	2880
Gray Catbird	18	19	22	37	11	17	27	51	85	50	12	9		7	25	*	390
No. Mockingbird		162	56	158	40	73	73	103	273	120	91	10	1	269	99	90	1618
Brown Thrasher	5	53	19	39	7	20	26	58	53	38	18	4	1	47	17	43	448
American Pipit			1			1	1										3
Cedar Waxwing		73		68	*	3	64	40	48	50	55	12		20	30	8	471
Loggerhead Shrike		2	4	9	2	1	1				2			32	37	3	93
European Starling	11	222	198	118	62	201	261	157	1156	528	167	20	3	100	45	89	3338
White-eyed Vireo		10	21	42	11	17	41	35	7	9	1	1		91	107	1	394
Solitary Vireo	7						3	2		2	1	1	2		1		19
Yellow-thr. Vireo		1	12	4	3	10	5	29	*	3	1			9	6		83
Philadelphia Vireo						1											1
Red-eyed Vireo	31	45	27	19	38	97	123	299	101	70	51	1	6	27	87	22	1044
Blue-winged Warb.		1			1	1	1	5	1	1							11
Tennessee Warbler								1		*							1
Northern Parula	2	27	22	17	2	46	33	75	20	39	12			61	141	2	499
Yellow Warbler		13	7	2	1	9	2	24	13	8	2	7		1	5		94
Chestnut-sided W.	25	1						2	6	5	1						40

Winter 1996

Species	ACNCC	CANC	GVNCS	PNCR	RVNC	RANC	DUNC	JLNC	GRNC	WSNC	ICNC	LENC	GCNC	CHSC	CGSC	SPSC	TOTAL
Magnolia Warbler	2		3					3		4		1			1		14
Cape May Warbler	9							1	5	19	7			1			42
Blk.-thr. Blue Warb	27	4	13	3	4	3	61	33	39	9			2	1	30		255
Yellow-rmpd Warb.	30	59	15	8	116	463	206	98	102	102			1	3	5		1208
Blk-thd Green Warb	2	1			2		3	2	7	1					3		21
Blackburian Warb.	1						1	1	2								5
Yellow-thr. Warbler	1	12	22	3	17	27	68		1	2				15	10	3	181
Pine Warbler	9	20	33	20	80	55	237	28	16	11		1	3	65	33	7	618
Prairie Warbler	3	9	15	4	6	31	67	6	3	5		2		189	4	7	351
Palm Warbler	2				1	5	4	1	1	2							16
Bay-breasted Warb.	2							*	2				1				5
Blackpoll Warbler	5	8	2		1		5	7	4			2			1		35
Cerulean Warbler								*	1								1
Blk.& white Warb.	1	9	4	17	3	9	11	44	9	4	4		1		11		127
American Redstart	27	5	10	6	4	5	79	20	26	10					27	1	220
Prothonotary Warb.	2	31	7	10	8	7	32	1		1				51	68		218
Worm-eating Warb.		1			6	3	1	1							1		13
Swainson's Warbler	1	3	1													9	14
Ovenbird	14	4	27	12	8	36	12	120	21	9	3		4	2	9		281
No. Waterthrush		6		1		1	2	2	2						3		18
La. Waterthrush			3	*	8	1	13	2	2						1		30
Kentucky Warbler		3	3	1	6	1	2	2						8	12		38
Com. Yellowthroat	3	36	17	30	11	39	140	81	57	36	26	5		111	39	1	632
Hooded Warbler	2	1	2	7	3	9	16	23	1		1			9	18		92
Canada Warbler	11								2						2		15
Yellow-br. Chat		7	7	9	2	15	14	67	23	9	13	3		162	29	6	366
Summer Tanager		9	19	20	16	51	24	97	2	1	2		3	114	79	6	443
Scarlet Tanager	1	6			6	9	13	61	14	29	8		4		2		153
Northern Cardinal	12	135	39	144	30	127	214	276	356	175	132	8	4	211	189	80	2132
Rose-br. Grosbeak		10	1	1	*	4	2	8	14	20	*		2				62
Blue Grosbeak		33	24	36	11	9	17	82	8	8	22	3		45	17	3	318
Indigo Bunting	9	53	61	38	13	26	24	199	105	87	53	4	2	204	69	31	978
Painted Bunting														72	3		75
Ruf.-sided Towhee	45	71	21	64	16	60	129	101	79	52	23	2	5	172	39	10	889

13

Species	ACNCC	CANC	GVNC	SPNC	RVNC	RANC	DUNC	JLNC	GRNC	WSNC	ICNC	LENC	GCNC	CHSCC	CGSC	SPSC	TOTAL
Bachman's Sparrow								1						14			15
Chipping sparrow	1	7	45	93	29	60	99	145	67	26	74	2		3	3	24	678
Field Sparrow	*	42	23	20	7	20	67	65	39	17	39	2			2	61	404
Savannah Sparrow		4	3		7	11	7		1		3			10			46
Grasshopper Spar.		1	2		2	2	12		6	1	28					1	55
Henslow's sparrow			1														1
Sharp-tailed Spar.														1			1
Seaside Sparrow														3			3
Song Sparrow	41	34		2		8	14	2	70	164	15	5				10	365
Swamp Sparrow				2	4	6	49	1		4					2		68
White-thr. Sparrow		11	4	5	2	42	296	8	16	20	18			1	1	3	427
White-cr. Sparrow							27			1	1						29
Dark-eyed Junco	35																35
Bobolink		730	2	16	1	31	1	54	22	50	80			3	1		991
Red-w. Blackbird	3	95	79	75	58	99	131	97	124	71	53	50		1224	55	42	2256
Eastern Meadowlark		24	52	44	16	46	43	100	61	32	131	9		6	11	66	641
Boat-tailed Grackle														718			718
Common Grackle	9	202	234	176	62	161	349	282	608	307	336	61	1	365	168	82	3403
Br.-headed Cowbird	5	40	37	43	31	67	69	91	45	104	17	4		152	43	11	759
Orchard Oriole		16	24	15	7	21	23	47	12	21	3	7		273	20	1	490
Northern Oriole		11		1				3	6	13	4	2			1		41
House Finch	8	129	37	45	4	69	123	87	173	87	66	15		3	2	56	904
Pine Siskin	7																7
American Goldfinch	6	85	10	56	16	146	246	295	258	135	111	2				20	1386
House Sparrow	3	28	78	24	5	53	85	20	87	33	13	2		14	18	33	496
# of Species	55	118	118	123	93	120	124	138	133	131	108	77	41	164	114	86	229
# of Individuals	609	4419	2525	3916	1290	4039	6457	8585	9625	5430	3472	438	129	16390	3104	1943	72371

	ACNC	CANC	GVNC	SPNC	RVNC	RANC	DUNC	JLNC	GRNC	WSNC	ICNC	LENC	GCNC	CHSC	CGSC	SPSC	TOTAL
Total Field Hrs.	12	49.75	23.25	60.5	36	54.25	63.5	156	110	98.25	40	61	8	92.25	41.5	49.5	955.75
Hours on foot	3	34.25	19	25.75	27.5	47.25	51.75	118	60	91.25	15	45	8	34.5	31.5	26	637.75
Hours by car	9	14.75	4.25	34.75	8.5	7	11.75	32.7	50	6.75	25	10	0	52.75	10	22.5	299.7
Hours by boat	0	0	0	0	0	0	0	5.5	0	0	0	6	0	5	0	1	17.5
Hours Owling	0	0.75	0.5	1	0.5	4	3.75	5.5	0	3	0	0	0	3.75	1.5	0	24.25
Total miles	42.5	245.75	165	300	171	119	196	357	410	176	230	81	4	417.9	102	279.2	3296.4
Miles on foot	1.5	21.25	13	14.5	19	45	41	80	38.5	47	15	6	4	46	21	17.5	430.25
Miles by car	41	224	152	285.5	152	74	155	275	371.5	129	215	65	0	346.9	81	258.7	2825.6
Miles by boat	0	0	0	0	0	0	0	2	0	0	0	10	0	25	0	3	40
Miles Owling	0	0.5	5	2	0.25	0	5	13	0	13	0	0	0	33.5	1	0	73.25
Date	5/23	5/5	5/7	5/7	4/28	4/29	4/23	5/7	5/6	5/6	4/30	5/13	5/6	4/30	5/6	5/20	

230 Black-throated Blue Warblers, 68 Prothonotary Warblers, and 79 Summer Tanagers!

**SPSC** - Spartanburg, SC. 34°54'n 81°57'w, intersection of County Roads SC 539 and SC 590. May 20, 0600 - 2000. Temp 51° - 78°F, precipitation, none. Wind 2-10 mph, a little gusty in early morning, sky mostly clear.

**Participants:** Compiler - Lyle Campbell, 126 Greengate Lane, Spartanburg, SC 29307; Robbie Allen, Tom Allen, Lyle Campbell, Sarah Campbell, Marion Clark, John Green, J.B. Hines, Gill Hooper, Flip Jones, Mickey Marotte, Gibbs Patton, Marian Murph, Mac Shealey.

**Compiler's Comments:** Our late date (May 20) and smaller number of counters undoubtedly affected our count. Some common species proved impossible to find. Notable finds included two active Blue-gray Gnatcatcher nests, a pair of nesting Killdeer and a Black Duck with six ducklings. Unusual species included a Double-crested Cormorant, Little Blue Heron, a late Kestrel and a Barn Owl.

## Summary of Twenty-nine Years of Breeding Bird Survey Results

Harry E. LeGrand, Jr.

### ABSTRACT

A 29-year summary of Breeding Bird Survey data is analyzed for species that nest in the Carolinas. The continental trends indicate that nearly all grassland-nesting species are declining significantly throughout their ranges. Most old field species are also declining. However, trends are mixed for most forest-dwelling species, both for those species that winter in the tropics and those that winter in North America. Many of the permanent resident forest species seem to be increasing, as are many other partial migrants that winter north of the tropics. Some of the Neotropical wintering species are showing declines since 1980, and not earlier, perhaps a consequence of large-scale forest clearing in the tropics since that date.

### INTRODUCTION

The North American Breeding Bird Survey (BBS) has been in operation since 1966. It provides trends in populations for breeding birds across North America, both on a year-to-year basis and over a span of years. The BBS also provides distributional data, such that breeding-season maps can be plotted; densities of populations (birds/route) can also be portrayed on these maps. However, the main value of the BBS is its trend data, which can be calculated over one or more decades. This paper summarizes continental trend data from 1966-1994 for species that nest in North