

# Fifty-second Breeding Bird Census

*Edited by Willet T. and Aldeen C. Van Velzen*

**T**HIS YEAR WE HELD OUR OWN! And although this may not meet our hopes of substantially increasing the number of census plots (78 were done in 1987), it still is an improvement over the low of 39 for 1986. Only five of this year's plots were new, a rather small percentage compared with "normal" years during which the number of plots built up to a high of 225 in 1980. Even last year, with a comparable number of censuses, 31 new plots were reported. Still, twenty plots have been censused for 10 years or more, six for over 20 years, and one over 30. Data like that really give a good base for an evaluation of population change.

This year more than 44 observers spent 2499 hours in the field and censused 1192 hectares. The highest number of hours spent on any one census was 238; the lowest, three (with an average of 31.6 hours). The average size for a plot was 15.1 hectares; they ranged from four to 65.7 (the low in a White Spruce plantation, the high in tall grass prairie). The average number of species recorded was 22.7 and ranged from three in an Oregon scrubland plot to 52 in a California mixed habitat.

The real highlight for this year's report is that these censuses are already in manuscript form, prepared by Cornell's Laboratory of Ornithology, and should be at the printer by the time you read these words. We hope that the publishing of these reports—no longer just a hopeful promise—will stimulate and renew the efforts of our "old reliable" workers and will attract newcomers, so that we may once again see the total number of censuses well over the 200 mark. And keep in mind that data from these censuses are now stored in Cornell's computer and can be obtained by directing a request to: Gregory S. Butcher, Bird Population Studies, Cornell Laboratory of Ornithology, 159 Sapsucker Woods Road, Ithaca, NY 14850 (607-255-4999).

This year's listing of the census reports differs somewhat from those published in the past, modified so that the list will be in the same format as that to be published by Cornell. The names of some of the major habitat categories have been changed slightly and the censuses in each are now arranged by state, in alphabetical order.

Census reporting forms for 1989 can be obtained from Cornell, at the

above address, and all completed reports should be sent directly to them. Reports should be submitted by September 15.

—21510 45th SE,  
Bothell, WA 98021

## List of Participants

Robert Askins, W. Wilson Baker, Dawn Breese, Elizabeth Brooks, John Brotherton, Joshua Burns, Victoria Byre, Eugene Cardiff, Max Carpenter, Joan Criswell, Kenneth Crowell, Chris Ellingwood, Dick Gauthey, Laurie Goodrich, Douglas Gross, Geoffrey Geupel, David Hallock, Ed Hiestand, Kenneth Hinkle, R. A. Hudson, Douglas Johnson, John Kelly, William Kolodnicki, Nancy Lederer, Gary Lingle, John Lovio, Peter Lowther, Sarah Mabey, Andrew Magee, Juliet Markowsky, George Maxwell, William Maynard, Bill McShea, Kathleen Milne, John Mullins, Barbara North, Vivian Pitzrick, William Pyle, Richard Simmers, Dory Smith, Mike Smith, Arthur Wainwright, Terry Wiens, Eric Wold.

**1988 Breeding Bird Census**

<i>Habitat</i>	<i>County, State or Province</i>	<i>Compiler</i>	<i>Hectares</i>	<i>Hrs. Obs.</i>	<i>Species</i>	<i>Years of Study</i>
<b>Broadleaf Forest</b>						
1 Lowland Hardwood Riparian	Solano, CA	J. Lovio	13.7	221	36	1
2 Oak-Hardwood Forest	Litchfield, CT	Miles Wildlife Sanctuary	15.7	22	18	2
3 Second Growth Hardwood Forest	Litchfield, CT	A. Magee	10.1	12	40	22
4 Upland Brushy Pasture	Litchfield, CT	A. Magee	8.5	12	28	22
5 Mixed Deciduous Second Growth Floodplain Forest	Cook, IL	V. Byre	29.1	41	29	6
6 Mature Deciduous Floodplain Forest	Montgomery, MD	D. Gauthey	7.6	70	26	36
7 Mature Beech-Maple Forest	Wayne, NY	G.R. Maxwell	16.2	10	20	2
8 White Ash-Red Maple Forest	Wayne, NY	G.R. Maxwell	16.2	10	26	3
9 Beech-Maple Forest	Wayne, NY	G.R. Maxwell	16.2	10	19	2
10 Abandoned Orchard	Wayne, NY	G.R. Maxwell	16.2	10	14	2
11 Abandoned Apple Orchard	Wayne, NY	G.R. Maxwell	16.2	10	16	2
12 Oak-Maple Slope Forest	Berks, PA	L. Goodrich	16.9	21	19	7
13 Oak-Maple Ridge-top Forest	Berks, PA	L. Goodrich	19.4	21	17	7
14 Tulip Poplar-Hickory-Oak Forest	Warren, VA	B. McShea	10.0	30	19	1
15 Mesophytic Forest I	Green, VA	M. Smith	6.1	28	31	2
16 Mesophytic Forest II	Green, VA	M. Smith	6.1	28	26	3
17 Upland Black Cherry Forest	Pocahontas, WV	Brooks Bird Club	6.1	6	7	4
18 Maple-Oak-Beech Forest	Pocahontas, WV	Brooks Bird Club	6.1	12	12	6
<b>Broadleaf/Coniferous Forest</b>						
19 Ungrazed Oak-Pine Woodland	Madera, CA	W.R. Maynard	29.7	85	32	4
20 Grazed Oak-Pine Woodland	Madera, CA	K. Milne	29.7	85	27	4
21 Old Growth Mixed Forest	Boulder, CO	N. Lederer	15.0	38	34	2
22 Oak-Hemlock Forest	New London, CT	R.A. Askins	23.1	33	45	18
23 Climax Hemlock-White Pine Forest with Transition Hardwoods	Litchfield, CT	A. Magee	10.5	13	34	18
24 Central Hardwood Forest with Scat- tered Pine	D.C.	J. Criswell	26.3	49	25	29
25 Mature Beech-Magnolia Forest	Leon, FL	W.W. Baker	15.7	32	35	3
26 Mixed Oak-Pine Forest I	Luzerne, PA	D.A. Gross	6.0	30	29	10
27 Mixed Oak-Pine Forest II	Luzerne, PA	D.A. Gross	11.1	39	40	10
28 Mountain-top Habitat	Augusta, VA	M. Carpenter	8.6	18	10	3
29 Hemlock-White Pine-Mixed Hard- wood Forest	Rockingham, VA	K.R. Hinkle	6.1	14	11	3
30 Virgin Spruce-Northern Hardwood Forest	Pocahontas, WV	Brooks Bird Club	6.1	9	24	7
31 Birch-Spruce-Fir Forest	Randolph, WV	Brooks Bird Club	6.1	12	26	4
<b>Coniferous Forest</b>						
32 Old-Growth Mixed-Coniferous Red Fir Forest Transition	Fresno, CA	D. Breese	42.3	88	47	4
33 Old Growth Subalpine Spruce-Fir Forest	Boulder, CO	D. Hallock	15.0	17	22	2
34 Red Pine Plantation	Litchfield, CT	A. Magee	8.5	12	42	11
35 Mature White Spruce Plantation	Penobscot, ME	J.K. Markowsky	4.0	24	31	4
36 Jack Pine Forest	Chippewa, MI	T. Wiens	16.0	26	10	4
37 Upland Scotch Pine Plantation	Allegany, NY	E.W. Brooks	9.3	14	18	20
38 Upland Mixed Pine-Spruce-Hardwood Plantation	Allegany, NY	E.W. Brooks	16.6	18	34	15
39 Upland Christmas Tree Farm	Allegany, NY	E.W. Brooks	10.7	19	23	6
40 Limber Pine-Juniper Woodland	Fremont, WY	J.P. Kelly	40.0	14	14	3
41 Young Spruce Forest	Hancock, NY	K.L. Crowell	4.5	7	18	8
42 Mature Spruce Forest	Hancock, NY	K.L. Crowell	4.0	5	12	2
<b>Mixed Habitat (Forest/Non-forest)</b>						
43 Mature Upper Mixed-Coniferous For- est-Montane Chaparral	Fresno, CA	B.R. North	42.3	103	52	4
44 Mountain Meadow and Open Conif- erous Forest	Boulder, CO	A. Wainwright	13.0	34	32	8
45 Transition Forest and Thicket	New London, CT	R.A. Askins	6.5	9	32	18

<i>Habitat</i>	<i>County, State or Province</i>	<i>Compiler</i>	<i>Hectares</i>	<i>Hrs. Obs.</i>	<i>Species</i>	<i>Years of Study</i>
46. Suburban Wildlife Sanctuary-Mixed Habitat	Fairfield, CT	E. Hiestand	24.7	25	40	8
47. Deciduous Forest with Pond and Brook	Bergen, NJ	J. Brotherton	16.2	9	23	25
48. Abandoned Upland Pasture	Allegany, NY	V. Pitzrick	8.0	32	30	5
49. Abandoned Pasture-Scrubland	Ottawa-Carleton, ONT	C. Ellingwood	9.0	17	39	6
50. Scattered Mixed Coniferous Forest in Subalpine Meadows and Spruce Bogs	Grant, OR	R.A. Hudson	32.4	25	12	16
51. Mixed Mesophytic Woods, Fields and Brush	Putnam, TN	R.W. Simmers	27.0	41	44	12
52. Black Locust-Shrubland	Warren, VA	S. Mabey	10.0	29	14	1
<b>Shrubland</b>						
53. Disturbed Coastal Scrub A	Marin, CA	G. Geupel	4.7	191	20	14
54. Disturbed Coastal Scrub B	Marin, CA	E. Wold	8.1	238	21	15
55. Coastal Scrub	Marin, CA	E. Wold	8.1	234	18	14
<b>Grassland</b>						
56. Coastal Prairie	Marin, CA	J.P. Kelly	31.0	9	7	1
57. Tall Grass Prairie I	Dickinson, IA	P.E. Lowther	16.0	5	13	5
58. Tall Grass Prairie II	Dickinson, IA	P.E. Lowther	65.7	12	15	5
59. Tall Grass Prairie III	Dickinson, IA	P.E. Lowther	44.8	12	25	5
60. Kentucky Bluegrass Prairie	Stutsman, ND	D.H. Johnson	4.8	3	10	15
61. Mixed Prairie I	Stutsman, ND	D.H. Johnson	10.0	6	11	15
62. Mixed Prairie II	Stutsman, ND	D.H. Johnson	6.1	3	10	15
63. Mixed Prairie III	Stutsman, ND	D.H. Johnson	6.1	6	6	15
64. Mixed Prairie IV	Stutsman, ND	D.H. Johnson	6.1	4	12	15
65. Mixed Prairie V	Stutsman, ND	D.H. Johnson	6.1	4	9	15
66. Subirrigated Native Hay	Hall, NE	G. Lingle	16.2	4	6	5
67. Subirrigated Grassland	Hall, NE	G. Lingle	16.2	5	8	5
<b>Desert and Dry Scrub</b>						
68. Saguaro Desert	Maricopa, AZ	J.A. Burns	12.5	12	10	1
69. Wyoming Big Sagebrush-Bottlebrush Squirreltail	Lake, OR	W.H. Pyle	18.0	13	3	3
<b>Wetlands</b>						
70. Desert Riparian-Freshwater Marsh and Ponds	San Bernardino, CA	E. Cardiff	15.4	30	40	12
71. Freshwater Marsh	Marin, CA	J.P. Kelly	10.5	13	20	2
72. Shrubby Swamp and Sedge Hummocks	Litchfield, CT	A. Magee	8.1	13	21	22
73. Tamarack Bog and Hardwood	Berrien, MI	J. Mullins	8.5	8	18	13
74. Wetland Sedge Meadow I	Hall, NE	G. Lingle	16.2	6	8	5
75. Wetland Sedge Meadow II	Hall, NE	G. Lingle	16.2	6	8	4
76. Cat-tail Marsh	St. Lawrence, NY	K.L. Crowell	6.1	5	20	5
<b>Residential/Urban</b>						
77. Mixed Habitat	Litchfield, CT	Miles Wildlife Sanctuary	15.0	33	47	3
78. Second Growth Broadleaf-Coniferous	Clallum, WA	D. Smith	21.4	14	27	2
79. Suburban Bird Sanctuary	Nassau, NY	W.J. Kolodnicki	4.2	11	19	6

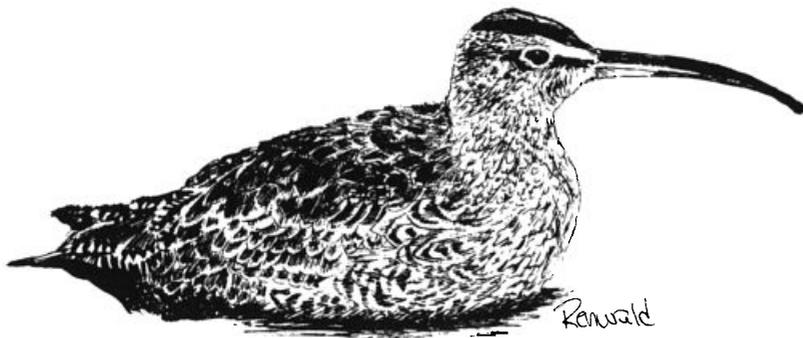


Illustration by J. David Renwald

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**See page 188 for details.**