

Fifty-third Breeding Bird Census

Edited by Willet T. Van Velzen

In Memoriam

This year's census is dedicated to the loving memory of Aldeen Couch Van Velzen, whose tragic accident on September 27th ended a long service to American Birds and the Breeding Bird Census. Even before her name appeared as co-editor, her influence and support was always there. It was her enthusiasm and optimism that enabled me to continue with the "project" even during those years when the sharp decline in reports made the effort seem hardly worthwhile. It was with thoroughness and diligence that she ferreted out those hard-to-identify census plots—repeats from years ago that had changed name and identity. She checked and double-checked names and numbers to be certain that they were correct. And, in addition to that, on a more personal level, she always made sure that we did not lose contact with the birding world—even when we moved from place to place. She stocked the bird feeder summer and winter and something new was always turning up on the patio. On her desk, in readiness for the coming season, was the paperwork for Cornell's Project FeederWatch, the National Wildlife Federation's Backyard Wildlife Habitat Program, and on the top of her Christmas list "new binocs for Ted". Her absence is like a day without the song of birds.

LAST YEAR I EXALTED THAT WE had held our own. This year we lept ahead, almost reaching the 100 mark! It is a real joy to see this turn-around and our deepest thanks go out to all those who provided data from their study plots. Year in and year out we have received reports from observers without whose assistance it would seem as though the report was not complete: Andrew Magee, Shirley Briggs, Joan Criswell, Bob Hudson, John Brotherton, Chan Robbins, Ken Crowell, Elizabeth Brooks, Gus Claugus, and Tom Imhof, just to a name a few. This year there were 21 new censuses and 10 that have been done for more than 20 years. Of special mention is the Mixed Habitat study in Ohio that Gus Claugus has done for 49 years.

This year's total of 96 reports represents the work of 60 observers who spent 2666 hours in the field and cen-

sused 1479 hectares. The highest number of hours spent on any one census was 199 and the lowest, 3 (with an average of 27.8 hours). The average number of species recorded was 24.1 and ranged from 3 to 56.

All correspondence regarding the Breeding Bird Census, including the completed count forms, should be sent to: Breeding Bird Census, Cornell Laboratory of Ornithology, 159 Sapsucker Woods Road, Ithaca, NY 14850. Reporting forms and instructions for 1990 can also be obtained from the same address. The counts should be submitted by September 15 and will be published in the *Journal of Field Ornithology*.

—21510 45th SE, Bothell,
WA 98021

List of Participants:

Robert Askins, Richard Beidleman, Marcella Bishop, Jan Blew, Kathie Bradley, Shirley Briggs, Elizabeth Brooks, John Brotherton, Eugene Cardiff, Michael Clark, A. H. Claugus, Kenneth Crowell, Jon Dellest, Mike Dudek, Chris Ellingwood, R. Todd Engstrom, Damian Fagan, Elwood Fisher, Dick Gauthey, Geoffrey Geupel, Laurie Goodrich, Douglas Gross, Marguerite Gross, Stephen Hall, Louise Hering, Kenneth Hinkle, David Hochadel, Robert Hudson, Thomas Imhof, Douglas Johnson, Joseph Kaplan, Sheila Kee, John Kelly, Leah Knapp, William Kolodnicki, David Kunstler, Gary Lingle, Peter Lowther, Andrew Magee, Juliet Markowsky, George Maxwell, Mary Victoria McDonald, William McGill, Hal Moore, James Mullins, Michael O'Brien, Vivian Pitzrick, Larry Prussin, Kathryn Purcell, Chandler Robbins, Stanley Senner, Richard Simmers, Jr., Thomas Skaling, Dory Smith, Michael Smith, Helen Stiles-Wainright, Elliot Tramer, Craig Tumer, Kenneth Weaver, Julie Zickefoose.

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<i>Habitat</i>	<i>State/ Prov.</i>	<i>Compiler</i>	<i>Plot Size</i>	<i>Terr. per 40 ha</i>	<i>Num. spp.</i>	<i>Hrs obs.</i>	<i>Yrs study</i>
Broadleaf Forest							
1. Lowland Hardwood Riparian Forest	CA	M.B. Gross	13.7	404	38	95	4
2. Riparian Woodland	CA	K.L. Weaver	11.7	652	35	21	1
3. Coast Live Oak Woodland	CA	K.L. Weaver	5.1	752	24	12	1
4. Second-growth Hardwood Forest	CT	A. Magee	10.1	392	36	10	23
5. Oak—Hardwood Forest	CT	M. Dudek	15.7	163	26	25	3
6. Mixed Hardwood Poletimber	CT	A. Magee	8.5	444	33	11	23
7. Mixed Upland Broadleaf Forest	DC	S.A. Briggs	14.2	578	31	76	31
8. Mature Deciduous Floodplain Forest	MD	D. Gauthey	7.6	437	24	69	37
9. Mature Tuliptree—Oak Forest	MD	M. O'Brien	14.5	317	30	34	5
10. Isolated Tuliptree—Beech Forest	MD	M. O'Brien	17.8	307	41	45	1
11. Selectively Logged Mature Tuliptree—Oak Forest	MD	M. O'Brien	14.5	336	43	35	5
12. Isolated Moist Tuliptree—Red Maple Upland Forest	MD	C.S. Robbins	21.4	277	29	39	1
13. Old-growth Woods and Swamp	MI	L. Knapp	28.3	299	45	28	1
14. Upland Second-growth Oak—Hickory Forest	MS	H. Moore	10.1	560	34	17	1
15. Isolated Beech—Maple Woods	NY	R.T. Engstrom	13.5	157	23	26	1
16. Mature Urban Deciduous Forest	NY	D.S. Künstler	10.1	403	28	57	3
17. Mature Beech—Maple Forest on Lake Ontario Shore	NY	G.R. Maxwell	16.2	195	23	17	1
18. White Ash—Red Maple Forest	NY	G.R. Maxwell	16.2	158	29	10	4
19. Floodplain Forest	NC	S. Hall	12.6	279	38	13	13
20. Mixed Deciduous Forest	NC	S. Hall	12.6	231	30	14	14
21. River Floodplain Broadleaf Forest	OH	W.E. McGill	18.0	263	36	18	1
22. Riparian Deciduous Forest	OH	E.J. Tramer	18.0	250	38	23	1
23. Oak—Maple Slope Forest	PA	L. Goodrich	16.9	61	15	19	8
24. Oak—Maple Ridgetop Forest	PA	S.E. Senner	19.4	44	12	15	8
25. Virgin Hardwood Swamp Forest	SC	K.P. Bradley	8.9	550	17	16	4
26. Tuliptree—Hickory Forest	VA	M.V. McDonald	10.0	212	19	25	2
27. Mesophytic Forest I	VA	M.G. Smith	6.1	698	22	22	8
28. Mesophytic Forest II	VA	E. Fisher	6.1	639	22	19	8
29. Chestnut Oak—Red Oak—Hickory Forest	VA	J.L. Dellett	6.1	127	16	13	2
Broadleaf/Coniferous Forest							
30. Oak—Hemlock Forest	CT	R.A. Askins	23.1	175	33	29	19
31. Young Mixed Hardwood—Conifer Stand	CT	A. Magee	8.5	522	42	8	12
32. Climax Hemlock—White Pine Forest with Transition Hardwoods	CT	A. Magee	10.5	356	35	13	23
33. Upland Oak and Hemlock Forest	CT	J. Zickefoose	10.5	352	24	8	1
34. Isolated Oak—Tuliptree—Pine Upland Forest	MD	C.S. Robbins	15.0	185	28	30	1
35. Tamarack Bog and Hardwood	MI	J. Mullins	8.5	136	19	8	14
36. Upland Mixed Pine—Spruce—Hardwood Plantation	NY	E.W. Brooks	16.6	212	35	18	16
37. Young Spruce Forest	ME	K.L. Crowell	4.5	235	22	12	9
38. Mixed Oak—Pine Forest I	PA	D.A. Gross	6.0	336	34	22	13
39. Mixed Oak—Pine Forest II	PA	D.A. Gross	11.1	292	34	30	13
40. Hemlock—White Pine—Mixed Hardwood Forest	VA	K.R. Hinkle	6.1	262	14	14	4
41. Mountaintop Habitat	VA	C. Tumer	8.6	167	13	8	3
42. Second-growth Broadleaf—Coniferous Forest	WA	D. Smith	21.4	48	24	13	3
Coniferous Forest							
43. Spruce—Hemlock Forest	AK	L. Prussin	8.1	120	10	27	2
44. Old-growth Mixed-coniferous—Red Fir Forest Transition	CA	S.N. Kee	42.3	164	27	89	5
45. Ponderosa Pine Forest	CO	L. Hering	8.1	167	15	17	25
46. Mature Red Spruce Forest	ME	T.P. Skaling	16.0	136	24	25	1
47. Heavily Thinned White Spruce Plantation	ME	J.K. Markowsky	4.1	429	28	22	5
48. Jack Pine Forest	MI	J. Kaplan	16.0	60	12	28	5
49. Upland Christmas Tree Farm	NY	E.W. Brooks	10.7	211	22	16	7
50. Upland Scotch Pine Plantation	NY	E.W. Brooks	9.3	227	22	15	21
51. Mature Spruce Forest	ME	K.L. Crowell	4.0	105	11	3	3
52. Pinyon—Juniper Woodland	UT	D. Fagan	31.3	166	20	13	7

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Mixed Habitat (Forest/Non-forest)							
53. Mature Upper Mixed—coniferous Forest—Montane Chaparral	CA	K. Purcell	42.3	285	36	87	5
54. Grazed Oak—Pine Woodland	CA	K. Purcell	29.7	158	24	83	5
55. Ungrazed Oak—Pine Woodland	CA	K. Purcell	29.7	126	23	84	5
56. Mountain Meadow and Open Coniferous Forest	CO	H. J. Stiles-Wainwright	13.0	200	24	39	9
57. Conifer—Brush—Grass Foothills Ecotone	CO	R.G. Beidleman	28.3	138	19	25	3
58. Mixed Habitat	CT	M. Dudek	15.0	517	52	30	4
59. Transition Forest and Thicket	CT	R.A. Askins	6.5	206	23	9	19
60. Bulrush and Cattail Marsh in Conifer Forest	MT	M.M. Bishop	40.5	181	56	17	15
61. Deciduous Forest with Pond and Brook	NJ	J. Brotherton	16.2	108	25	10	26
62. Suburban Bird Sanctuary	NY	W.J. Kolodnicki	4.2	457	20	15	7
63. Abandoned Upland Pasture	NY	V.M. Pitzrick	8.0	750	30	26	6
64. Oak—Hickory, Pine Stand, Edge, and Pond	OH	A.H. Clausgus	14.2	163	29	49	49
65. Scattered Mixed—coniferous Forest in Subalpine Meadows and Spruce Bogs	OR	R.A. Hudson	32.4	43	10	14	17
66. Mixed—mesophytic Woods and Brush	TN	R.W. Simmers, Jr.	22.9	129	35	41	1
Shrubland							
67. Disturbed Coastal Scrub A	CA	G.R. Geupel	4.7	217	20	163	15
68. Disturbed Coastal Scrub B	CA	G.R. Geupel	8.1	123	17	199	16
69. Coastal Scrub	CA	G.R. Geupel	8.1	254	17	173	15
70. Abandoned Pasture—Scrubland	ON	C. Ellingwood	9.0	288	35	19	8
Grassland							
71. Coastal Prairie	CA	J.P. Kelly	31.0	32	12	8	2
72. Tallgrass Prairie I	IA	P.E. Lowther	16.0	80	16	6	6
73. Tallgrass Prairie II	IA	P.E. Lowther	65.7	71	13	9	6
74. Tallgrass Prairie III	IA	P.E. Lowther	44.8	127	19	9	6
75. Subirrigated Grassland	NE	G. Lingle	16.2	83	7	5	6
76. Subirrigated Native Hay	NE	G. Lingle	16.2	92	6	6	6
77. Kentucky Bluegrass Prairie	ND	D.H. Johnson	4.8	29	7	3	18
78. Mixed Prairie I	ND	D.H. Johnson	10.0	74	16	7	18
79. Mixed Prairie II	ND	D.H. Johnson	6.1	39	9	4	18
80. Mixed Prairie III	ND	D.H. Johnson	6.1	26	7	4	18
81. Mixed Prairie IV	ND	D.H. Johnson	6.1	30	10	3	18
82. Mixed Prairie V	ND	D.H. Johnson	6.1	66	9	4	18
Wetlands							
83. Desert Riparian—Freshwater Marsh and Ponds	CA	E. Cardiff	15.4	429	34	23	13
84. Coastal Freshwater Marsh	CA	J.P. Kelly	10.5	2209	17	12	5
85. Shrubby Swamp and Sedge Hummocks	CT	A. Magee	8.1	553	19	11	23
86. Gulf Coast Salt Marsh	FL	M.V. McDonald	20.0	132	3	8	10
87. Wetland Sedge Meadow I	NE	G. Lingle	16.2	119	9	6	6
88. Wetland Sedge Meadow II	NE	G. Lingle	16.2	122	7	6	5
89. Mixed Hardwood Swamp	OH	D. Hochadel	12.1	198	24	29	1
Fields and Cultivated							
90. Field, Ridge, and Shrubby Trees	ON	M.F.G. Clark	6.6	775	23	15	1
91. Brushy Field with Trees and Hill	ON	M.F.G. Clark	6.3	374	20	10	1
92. Conventional Cash Crop Farm	PA	J.H. Blew	30.4	147	28	17	1
93. Organic Mixed Crop—Pasture Farm	PA	J.H. Blew	34.4	135	31	20	1
94. Conventional Dairy Farm	PA	J.H. Blew	23.1	191	37	18	1
95. Organic Pasture—Grain Farm	PA	J.H. Blew	18.4	380	31	22	1
Residential/Urban							
96. Suburban Cemetery	AL	T.A. Imhof	15.0	176	23	21	9

