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W. R. DeGarmo
Editor

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BIRD NESTING AND BREEDING RECORDS - 1950 FORAY

Introduction

Each year at the Foray, it has been customary to divide the campers into teams for the purpose of hunting and locating birds' nests under construction or containing eggs or young birds. A Nesting Contest committee was appointed consisting of John Handlan, Eleanor Sims, Jane and George Breiding. This committee selected two teams with Dorothy Conrad and Howard Heimerdinger as the captains. The committee also set up rules for governing the contest and developed a point system giving a nest for some species one point, some three points, all others five points and 10 points for a nest of the Blackburnian warbler. This species is a common bird in the area, but as far as known only one nesting record has been officially reported for West Virginia.

The following is the results of the contest.

Cardinals (Pink) - 54 nests, 142 points
Redstarts (Brown)- 78 nests, 211 points

The 1950 Foray also broke all records for the establishment of nesting or breeding records with a total of 57 species. The previous highest record was 47 species in 1948 at Camp Thornwood, Pocahontas County. This year, 132 nests were located for 48 species, and breeding records on the basis of young birds observed included nine additional species.

Summary of Nesting Record

<table>
<thead>
<tr>
<th>Number of nests located</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hallard, chimney swift, flicker, red-bellied woodpecker, red-headed woodpecker, hairy woodpecker, downy woodpecker, kingbird, crested flycatcher, wood pewee, rough-winged swallow, Bevick's wren, Carolina wren, mockingbird, redstart, prairie warbler, Baltimore oriole, scarlet tanager, cardinal, indigo bunting, junco, field sparrow, (cowbird)</td>
</tr>
<tr>
<td>2</td>
<td>Mourning dove, barn swallow, bluebird, blue-gray gnatcatcher, starling, black and white warbler, worm-eating warbler, Louisiana water-thrush, redwing, grackle</td>
</tr>
<tr>
<td>3</td>
<td>Ovenbird, English sparrow, towhee, song sparrow</td>
</tr>
<tr>
<td>4</td>
<td>Yellow warbler, brown thrasher, chipping sparrow</td>
</tr>
<tr>
<td>5</td>
<td>Acadian flycatcher, house wren</td>
</tr>
<tr>
<td>7</td>
<td>Catbird</td>
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<tr>
<td>8</td>
<td>Cedar waxwing</td>
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<td>10</td>
<td>Wood thrush</td>
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<tr>
<td>12</td>
<td>Robin</td>
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<tr>
<td>15</td>
<td>Phoebe</td>
</tr>
</tbody>
</table>
Breeding Records (on basis of young birds observed)

Wood duck, ruffed grouse, purple martin (Monroe Co.), chickadee, golden-winged warbler, parula warbler, black-throated green warbler, Blackburnian warbler, yellow-throat.

Pertinent Nesting Data

1. Mallard
   a. Island in pond on grounds of Greenbrier Hotel, June 7; on bank two feet from water in small clump of snowberry, 11 eggs. 
   W. R. DeGarmo

2. Mourning Dove
   a. Barber farm, vicinity of Frankford, June 9; 8 ft. in grape arbor; two young. Thacker

3. Chimney Swift
   a. Barber farm, June 9; in chimney top of house, two eggs, 3 ft. down in chimney. Jack Flouer

4. Flicker
   a. On left side of road on western edge of Lewisburg between Oak Terrace Hotel sign and service station at road junction; June 10; in locust tree, 7 ft. high, at least 2 young. Thacker

5. Red-bellied Woodpecker
   a. In fencepost, vicinity of Frankford, June 10; S. and L. Barber

6. Red-headed Woodpecker
   a. Off U.S. 60 west of Lewisburg, June 10; 200 feet off road near Oak Terrace Hotel sign; in locust tree, 40 ft. high; partly dead snag. E. R. Chandler

7. Hairy Woodpecker
   a. North Fork of Cherry River along State Route 39, June 8; young heard in top of dead maple stub, about 25 ft. high. W. R. DeGarmo

8. Downy Woodpecker
   a. On grounds of Greenbrier Military Academy, June 9; young birds; in birch 35 feet. W. R. DeGarmo

9. Kingbird
   a. Muddy Creek Mt. road, June 7; in walnut 35 ft. W. R. DeGarmo

10. Crested Flycatcher
    a. Hart's Run road, June 11; in stub of chestnut oak, 10 feet. W. R. DeGarmo

11. Phoebe
    a. Near mouth of Cat Rock Hollow, June 5; side of rock ledge, 4 young. W. R. DeGarmo
b. Rock cliff, Howard Creek near U.S. 60, June 5; along roadside, 4 ft. high, under construction. W. R. DeGarmo

c. White Sulphur Springs, empty barrocks, June 7; 4 eggs on top of porch pillar. W. R. DeGarmo

d. Cat Rock Hollow trail, June 4; nest plastered to rough board on back of little red house and southwest of lodge; contained 4 young; 11 ft. hung up under roof overhang. Ganier

e. Camp Ann Bailey, June 4; under eave of first small cabin below swimming pool; contained young birds. C. O. Handley, Sr.

f. In well shelter, picnic grounds, Greenbrier State Forest, June 7; 5 young, left nest when inspected. H. Heimerdinger

g. Camp Ann Bailey, June 5; in power plant at swimming pool; 3 eggs; on overhead water pipe. Murray

h. Camp Ann Bailey, June 5; wall rear of power house along road from swimming pool. Murray

i. Camp Ann Bailey, June 5; under infirmary, young birds. Murray

j. Peters L.t., Monroe Co., June 2; rock ledge, 4 young. Scott

k. "Coffman's Cave" near Frankfort, June 5; rock cavity in cliff entrance; young birds scared out of nest. Scott

l. Camp Ann Bailey, June 4; under eaves of kitchen, 4 young. Scott

m. Peter's L.t., Monroe Co., June 2; rock ledge, young birds. Scott

n. Kates L.t. road near White Sulphur Springs, June 1; nest under eaves of cabin, contained eggs. Scott

o. Kates L.t., picnic area, June 1; rafters of shelter, young birds. Scott

12. Acadian Flycatcher

   a. On grounds of Greenbrier Military Academy, June 9; 25 ft. in birch, overhanging water of slough, contained eggs. W.R. DeGarmo

   b. On grounds of Greenbrier Military Academy, June 9; 9 ft. in sugar maple hanging over slough, eggs. W. R. DeGarmo

   c. Camp Ann Bailey, near river pump house, June 5; 25 ft. on horizontal branch of beech; adult incubating. W. R. DeGarmo

   d. Camp Ann Bailey, in hollow about 100 ft. below swimming pool, June 8; 30 ft. at end of limb of large beech; nest over trail, adult on nest. Ganier

   e. Camp Ann Bailey, road below "family cabins", June 5; nest 10 ft. high in beech sapling, 20 ft. below road, 2 eggs. Kimball
13. Wood Pewee
   a. Along Howard Creek just beyond house at foot of the hill,
      June 6; nest under construction; in white oak, 20 ft. high.
      Thacker

14. Rough-winged Swallow
   a. Along Rt. 63 near Ronceverte, June 7; in rock ledge at
      quarry site, young birds. W. R. DeGarmo

15. Barn Swallow
   a. On back Frankford road, off U.S. 219, 3½ miles from Lewis-
      burg, June 9; on rafter in barn; about 15 nests with at
      least two occupied. Lucy Barber
   b. Keenan, Monroe Co., June 7; rafter of barn, 4 young.
      George Flouer

16. House Wren
   a. Marion Collins' backyard, Lewisburg, June 10; in wren house
      about 6 ft. off ground; at least 2 young. Chandler
   b. Camp Shaw-mi-del-eea in shed under rafters, June 9; young
      birds. W. R. DeGarmo
   c. Barber farm, June 9; bird house at entrance of driveway;
      adults seen feeding young. Thacker
   d. Barber farm, June 9; bird house, 4 young. John Williamson
   e. Barber farm, June 9; 6 ft. on front porch. Jack Flouer

17. Bewick's Wren
   a. Foot of hill below camp, June 9; under eaves of building,
      6 ft; 2 eggs. Sims

18. Carolina Wren
   a. Camp Ann Bailey, June 2; under "family group" cabin above
      swimming pool; on top of corner post under house; 2 eggs,
      still 2 on June 4 and bird on nest. Ganier

19. Mockingbird
   a. Luddy Creek Lit. road, Greenbrier Co., June 7; under con-
      struction, 5 ft. in red cedar; adult seen placing material
      in nest. Geo. Breiding

20. Catbird
   a. Sadie Echols residence, Lewisburg, June 10; 4 ft. from
      ground in blackberry tangle; 4 young. Chandler
   b. Two mile south Lewisburg, June 10; in privet and honey-
      suckle; 3 young. W. R. DeGarmo
   c. Foot of hill entering Camp Ann Bailey, June 8; 6 ft. in
      grape vines; 3 eggs. Sims
   d. Barber farm, June 9; 5 ft. in honeysuckle; 3 eggs. Sims
e. Hillside south of Camp Ann Bailey below parking lot, June 10; 5 ft. in hawthorn; 4 young. Sims

f. Farm at foot of hillside at Camp Ann Bailey, June 9; 5 ft. in hawthorn; 3 eggs. Sims

g. Field below camp parking lot near road, June 7; 3 ft. in hawthorn; 8 eggs. Sims

   a. Yard at "Hartland", 2 mi. west Lewisburg, June 3; 3 ft. from ground in mock orange bush; 3 eggs. C. O. Handley, Sr.

   b. Hill above camp parking lot, June 6; 4 ft. in black haw; 1 egg. Sims

   c. On Hill opposite camp parking lot, June 7; 2½ ft. in hawthorn; 4 eggs. Sims

   d. Hillside south of camp parking lot, June 8; in hawthorn; 3 young. Sims

22. Robin
   a. Fish hatchery, White Sulphur Springs, June 6; 25 ft. in maple; young birds. W. R. DeGarmo

   b. Camp Shaw-mi-del-eca, June 9; 15 feet in maple; eggs. W. R. DeGarmo

   c. Fish hatchery, White Sulphur Springs, June 6; 35 ft. in sugar maple; young birds. W. R. DeGarmo

   d. Euddy Creek 1st. road, June 7; 12 ft. in wild cherry; eggs. W. R. DeGarmo

   e. Euddy Creek 1st. road, June 7; 15 ft. in wild cherry; eggs. W. R. DeGarmo

   f. Euddy Creek 1st. road, June 7; 10 ft. in ash; young birds. W. R. DeGarmo

   g. Euddy Creek 1st. road, June 7; in tangle of bush honeysuckle; young birds. W. R. DeGarmo

   h. Sadie Echols home, Lewisburg, June 10; 20 ft. in black sugar maple, under construction. Murray

   i. Pond, White Sulphur Springs, June 7; 15 ft. in sugar maple; 4 young. Scott

   j. Greenbrier Hotel grounds, May 31; 5 ft. in hemlock hedge; young birds. Scott

   k. Foot of hill at entrance to Camp Ann Bailey, June 9; 8 ft. inside of barn; young birds. Stahl

   l. Barn at foot of hill entering Camp Ann Bailey, June 9; high in black cherry. Thacker
23. Wood Thrush
   a. River road, \( \frac{1}{2} \) mile from "river unit", June 5; 3 ft. in rhododendron, along edge of road; 4 eggs. W. R. DeGarmo
   b. Cat Rock Hollow census area, June 6; 2\( \frac{1}{2} \) feet in rhododendron; 2 young. W. R. DeGarmo
   c. Camp Shaw-mi-del-eca, June 9; 9 feet in box elder; eggs. V. Olsen
   d. Camp Ann Bailey, above pool, June 6; 6 ft. in witch hazel; 4 eggs. Sims
   e. Camp Ann Bailey, ravine south of pool, June 5; 11 feet in wild plum. Sims
   f. Field opposite camp parking lot, June 7; 6 ft. in hawthorn; 3 eggs. Sims
   g. Camp Ann Bailey, ravine south of pool, June 7; 8 feet in apple tree; 3 eggs. Sims
   h. Hill above pine stand south of Camp Ann Bailey, June 8; 5 ft. in small tree; 3 young. Sims
   i. Ravine north side of Camp Ann Bailey, June 6; 6 ft. in hemlock; 3 young. Sims
   j. Ravine north of camp, June 5; 6 ft. in hemlock; 3 young. Sims

24. Bluebird
   a. Back Frankford road opposite Lambert McClung farm, June 9; cavity in fence post; 2 or more young. L. Barber
   b. Fish hatchery, White Sulphur Springs, June 6; cavity in tall fence post; 3 young. D. Moore

25. Blue-gray Gnatcatcher
   a. Slope below camp parking lot, June 9; 5 ft. in black haw. Thacker
   b. Camp Ann Bailey, near road above swimming pool, June 5; 20 ft. on horizontal limb; 4 young. John Williamson

26. Cedar Waxwing
   a. Lewisburg, June 11; 15 ft. in sugar maple; under construction. W. R. DeGarmo
   b. Greenbrier Hotel ground, June 7; near barrack, 12 ft. in fork of limb Norway maple; under construction. W. R. DeGarmo
   c. Lewisburg, June 11; 12 ft. in blue spruce; under construction. W. R. DeGarmo
   d. Greenbrier Hotel grounds, near old barracks; June 7; 10 ft. in Norway maple; under construction. W. R. DeGarmo
e. Greenbrier Hotel grounds, near old barracks, June 7; 30 ft. in Lombardy poplar; under construction. W. R. DeGarmo

f. Greenbrier Hotel grounds, near old barracks, June 7; 25 ft. in Lombardy poplar; under construction. W. R. DeGarmo

g. At Frankford, June 8; 15 ft. in red cedar; under construction. W. R. DeGarmo

h. Pond, White Sulphur Springs, June 7; 35 ft. in cottonwood; under construction. Scott

27. Starling
a. Pond at Greenbrier Hotel grounds, June 6; cavity in locust, 9 ft.; young birds. Scott

b. Pond, White Sulphur Springs, June 7; cavity, wall of house; young birds. Scott

28. Red-eyed Vireo
a. Camp Ann Bailey, along road near rear of kitchen, June 5; high hickory, tip of branch; under construction. Murray

b. Camp Ann Bailey, along road near parking lot, June 6; 8 ft. on outer branch of maple; 1 egg. Sims

c. Camp Ann Bailey, ravine south of pool, June 6; 5 ft. in elm; 3 eggs plus 1 egg of cowbird. Sims

29. Black and White Warbler
a. Cat Rock Hollow, June 5; on ground at base of tree; eggs. E. DeGarmo

b. Camp Ann Bailey, June 4; on ground near river; young birds. Scott

30. Worm-eating Warbler
a. One hundred yards east of "Boys unit", June 5; on ground at base of small bush; 3 young. W. R. DeGarmo

b. On ridge above water tank, June 4; on ground at base of Kalmin; 4 young. W. R. DeGarmo

31. Yellow Warbler
a. At entrance to road to camp, June 6; 8 ft. in lilac bush; 3 young. W. R. DeGarmo

b. Pond, White Sulphur Springs, June 7; 35 ft. in sugar maple; young just leaving nest. Scott

c. Fish hatchery, White Sulphur Springs, June 6; 3 ft. in elder; 3 young left nest when disturbed. Sims

d. Pond, White Sulphur Springs, June 6; 5 ft. in shrub; young birds. Scott
32. Prairie Warbler  
   a. Hill below camp parking lot, June 8; in hawthorn, 2 ft.; 2 young. Sims

33. Ovenbird  
   a. Below "eastern" cabin group, June 4; at base of small dogwood; 2 young in nest and one young partially eaten found on ground near nest. W. R. DeGarmo
   b. Camp Ann Bailey, along road by swimming pool opposite power house, June 5; young birds. Murray
   c. Greenbrier State Forest, across road below picnic area; June 8; 3 young. Thacker

34. Louisiana Water-thrush  
   a. Camp Ann Bailey, road bank below swimming pool and above river near lower camping unit, June 5; in bank under grass overhang; 2 eggs. E. R. Chandler
   b. Camp Ann Bailey, stream below camp near Mountaineer Unit, June 6; depression under edge of bank; one young and at least one young out of nest. Thacker

35. Redstart  
   a. Camp Ann Bailey, lower edge of swimming pool, June 3; in fork of limb in buckeye about 20 ft. from ground. W. R. DeGarmo

36. English Sparrow  
   a. Lewisburg, June 8; in side of house. W. R. DeGarmo
   b. H. Collins' home, Lewisburg, June 10; in attic west side of house; under construction. Murray
   c. H. Collins' home, Lewisburg, June 10; in attic side facing town; under construction. Murray

37. Red-wing  
   a. Gap Hills, Monroe Co., June 2; in alder; 2 eggs, 1 young, 1 young just hatching. Scott
   b. Pond, grounds of Greenbrier Hotel, June 6; 6 1/2 feet high in shrub; 3 eggs. Scott

38. Baltimore Oriole  
   a. Fish hatchery, White Sulphur Springs, June 10; 50 ft. in large sycamore; young birds. Tom Olsen
   (Note: The writer was under the impression that a nest of this species was found at Lewisburg. If so, it was not officially reported....GHB)

39. Grackle  
   a. In yard at "Hartland" residence, 2 miles west Lewisburg, June 4; in white pine; 2 young in nest, one just out of nest. C. O. Handley, Sr.
b. Along U.S. 60 west of Lewisburg, 100 ft. out in pasture near Oak Terrace Hotel sign June 10; 60 ft. in maple along horizontal limb; young birds. E. R. Chandler

40. Cowbird
   a. Egg in nest of red-eyed vireo - recorded under 28c. Sims

41. Scarlet Tanager
   a. Camp Ann Bailey, June 5; 20 ft. high in Virginia pine; eggs. Murray

42. Cardinal
   a. Camp Ann Bailey, June 7; ravine south of pool; 5 ft. in tupelo tree in tangle of Virginia creeper; 4 young. Sims

43. Indigo Bunting
   a. Camp Ann Bailey, near swimming pool, June 10; 18-20 in. above ground in honeysuckle; 4 young. Thacker

44. Towhee
   a. Camp Ann Bailey, ravine south of pool, June 10; on ground; 4 young. Sims

   b. Hillside below camp parking lot, June 6; 6 ft. in hawthorn; 4 young. Sims

   c. Field south of camp parking lot, June 7; 3 ft. in hawthorn; 3 eggs. Sims

45. Junco
   a. Fork Mt., Greenbrier Co., June 8; on ground, mossy covered roadside bank; 4 young; elevation 3800 ft. Scott

46. Chipping Sparrow
   a. At entrance to road at camp, June 6; under construction. W. R. DeGarmo

   b. Edge of golf course, Greenbrier Hotel; June 7; 15 ft. in Norway maple; 4 eggs. W. R. DeGarmo

   c. Kid dynasty Mt., road by school, June 7; 9 ft. in black locust; eggs. W. R. DeGarmo

   d. Bluff along (Cat Rock Hollow) trail, 100 ft. above lodge, June 3; 8 ft. on horizontal limb of small white oak; under construction. Ganier

47. Field Sparrow
   a. Camp parking lot, June 6; approximately 5 ft. in hawthorn; 2 young. Stahl

48. Song Sparrow
   a. Edge of golf course, Greenbrier Hotel; June 7; edge of ditch bank on ground in grass; under construction. W. R. DeGarmo
Insert with article: Ornithological Results of the 1950 Foray in Greenbrier County, West Virginia

Fig. 1. Map of West Virginia (after Brooks, 1944)
- General areas visited by groups of individuals.
b. Island in pond, White Sulphur Spring, June 7; 3 ft. in barberry bush; 3 young. W. R. DeGarmo

c. Field at foot of hill adjacent to camp, June 9; 2 ft. in hawthorn; 1 egg. Sims

49. Wood Duck - young seen*
50. Ruffed Grouse - young seen.
51. Purple Martin - occupied house.
52. Chickadee - adults feeding young out of nest.
53. Golden-winged Warbler - young seen out of nest.
54. Parula Warbler - adults seen feeding young out of nest.
55. Black-throated Green Warbler - young seen out of nest.
56. Blackburnian Warbler - Adults seen feeding young out of nest.
57. Yellow-throat - young seen out of nest.

*For details of species from numbers 49 to 57 in this list refer to annotated list in Part I of THE REDSTART Vol. XVII, No. 4, Sept. 1950, pp. 44-53a.

George H. Breiding
Oglebay Institute
Wheeling, W. Va.

BREEDING BIRD POPULATION STUDIES

During the B. E. C. Foray, breeding bird population studies were conducted on two 15-acre plots, both representing climax timber types. These studies represented the third year in which efforts have been made to obtain quantitative data on the bird life of the region in which members of the Foray worked.

Due to the broken terrain characteristic of the vicinity of Camp Ann Bailey, considerable difficulty was experienced in finding suitable areas containing as much as 15 acres of similar habitat. The two areas described below were selected in virgin timber stands. Differences in the bird life of the two are interesting in spite of the similarity in elevation.

Area No. 1 - Virgin Hardwood - White Pine

Location: Greenbrier State Forest west of Hart's Run Picnic Area, Caldwell, (Greenbrier County) West Virginia. Size: 15 acres (rectangular 522 yards by 139 yards, paced). Description of Area: A virgin stand of hardwoods and white pine with broken canopy and thick undergrowth of shrubs and tree reproduction. Mature white pines dominate the upper tree stratum. Trees six inches or over in a twenty foot transect: white oak (Quercus alba), 50%; black oak (Quercus velutina), 13%; white pine (Pinus strobus), 11%; hickory (Carya spp.), 5%; red oak (Quercus borealis), 5%; ash (Fraxinus americana), 4%; red maple (Acer rubrum), 3%; sugar maple (Acer saccharum), 2%; scarlet oak (Quercus coccinea), 2%; basswood (Tilia americana), 2%; cucumber (Magnolia acuminata), 2%; tulip poplar (Liriodendron tulipifera), 1%; hemlock (Tsuga canadensis), 1%; and black locust (Robinia pseudacacia), 1%. Heavy shrub layer of witch-hazel (Hamamelis virginiana), spice bush (Boschnia aestivalis), grape (Vitis spp.), greenbrier (Smilax spp.), maple-leaved viburnum (Viburnum acerifolium), black haw (Viburnum prunifolium), flowering dogwood (Cornus florida), hop hornbeam (Ostrya virginiana) and rhododendron (Rhododendron maximum). Most common herbs are: poison ivy...
(Rhus toxicodendron), wild yam (Dioscorea villosa), Virginia creeper (Psedera quinqufolia), wood nettle (Laportea canadensis), Christmas fern (Polystichum acrostichoides) and New York fern (Dryopteris noveboracensis). Nomenclature according to Gray’s Manual. Edge: On north side, bounded by increasing percentages of white oak and younger stand; on west, north and south by habitat similar to study area. Topography: Valley floor nearly level to gently sloping; elevation 1900 feet. Coverage: June 5 to 9, each a.m.; total man hours, 14. Census: Blackburnian Warbler, 9,5 (63); Ovenbird, 90 (59); Wood Pewee, 7,0 (46); Red-eyed Vireo, 65 (43); Parula Warbler, 5,5 (36); Hooded Warbler, 3,5 (22); Black and White Warbler, 2,0; Black-throated Green Warbler, 2,0; Redstart, 2,0; Wood Thrush, 1,5; Acadian Flycatcher, 1,0; Tufted Titmouse, 1,0; Louisiana Water-thrush, 1,0; Yellow-billed Cuckoo, 5; Downy Woodpecker, 5; White-breasted Nuthatch, 5; Robin, 5; Blue-headed Vireo, 5; Chestnut-sided Warbler, 5; Turkey, Mourning Dove; Black-billed cuckoo; Great Horned Owl; 3 Y; Whi-oor; Ruby-throated Hummingbird; Flicker; Piedated Woodpecker; Hairy Woodpecker, Crested Flycatcher; Chickadee (Black-capped?), Carolina Wren; Catbird; Cedar Waxwing; Yellow-throated Vireo; Worm-eating Warbler; Magnolia Warbler; Pine Warbler; Cowbird; Scarlet Tanager; Cardinal, Chipping Sparrow. Total - 41 species; 54.5 territorial males (361 males per 100 acres).

Area No. 2 = Virgin Cove Hardwood Forest

Location: Cat Rock Run, tributary of Greenbrier River approximately 1.5 miles northeast of Caldwell, (Greenbrier County) West Virginia. Size: 15 acres (rectangular 522 yards by 139 yards, chained). Description of area: A virgin stand of cove hardwoods with nearly closed canopy and medium stand of shrubs and tree reproduction. Trees six inches or over in thirty foot transect: basswood (Tilia americana), 24%; hemlock (Tsuga canadensis), 20%; tulip poplar (Liriodendron tulipifera), 10%; buckeye (Aesculus glabra), 8%; sugar maple (Acer saccharum), 5%; beech (Fagus grandifolia), 4%; cucumber (Magnolia acuminata), 4%; red maple (Acer rubrum), 2%; black cherry (Prunus serotina), 2%; red oak (Quercus borealis), 1%; black birch (Betula lenta), 1%; ash (Fraxinus americanus), 1%; black gum (Nyssa sylvatica), 1%; butternut (Juglans cinerea), 1%; and white oak (Quercus alba), 1%. Approximately 20% of the area supports a dense stand of rhododendron (Rhododendron maximum); otherwise there is a rather sparse growth of reproduction of species listed above and such shrubs as hop hornbeam (Ostrya virginiana), dogwood (Cornus florida), witchhazel (Hamamelis virginiana), striped maple (Acer pennsylvanicum), buffal-nut (Pyrularia puberis), maple-leaved viburnum (Viburnum acerifolium), and moonseed (Menispermum canadense). Most common herbs are Canada ginger (Asarum canadense), wood nettle (Laportea canadensis), clintonia (Clintonia umbellulata), hepatica (Hepatica trifolia), wild yam (Dioscorea villosa), Christmas Fern (Polystichum acrostichoides), and maidenhair fern (Adiantum pedatum). Nomenclature according to Gray’s Manual. Edge: Increasing percentage of red oak along ravines. Lower end of area is a younger stand of timber of essentially same species as listed above. Topography: a deep ravine with steep slopes, elevation 1800 to 1900 feet. Coverage, June 5 to 9, one late p.m., otherwise each coverage in early A.M. Total man hours: 9. Census: Red-eyed Vireo, 6,0 (40); Parula Warbler, 5,5 (37); Ovenbird, 4,5 (30,2); Wood Thrush, 3,0 (20); Scarlet Tanager, 3,0 (20); Ruby-throated Hummingbird, 2,0; Acadian Flycatcher, 2,0; Black and White Warbler, 2,0; Louisiana Water-thrush, 2,0; -II-
Worm-eating Warbler, 1.5; Hooded Warbler, 1.5; Phoebe, 1.0; Blackburnian Warbler, 1.0; Mourning Dove, .5; Indigo Bunting, .5; Towhee, .5; Ruffed Grouse, 5; Screech Owl, 5; Whip-poor Will, 5; Flicker, 5; Pileated Woodpecker, 5; Blue Jay, 5; Crow, 5; Cedar Waxwing, 5; Cardinal, 5.
Total = 25 species; 36.5 territorial males (244.5 males per 100 acres).

W. R. DeGarmo

FIELD NOTES

Mid-Summer Observations in Youngstown Area - In 1949 during the latter part of August, the writer paid the Heimerdingers a visit at their home in Girard, Ohio. The real reason for the visit, of course, was to observe the early Fall migrants that Howard Heimerdinger had written about. Although the weather was cloudy and we had occasional showers, birding in general was good. Upon compiling our list for the week-end we found that we had recorded a total of 23 shore and water birds as follows: pied-billed grebe, great blue heron, American egret, mallard, black duck, American pintail, blue-winged teal, semipalmated plover, killdeer, golden plover, black-bellied plover, upland plover, spotted sandpiper, solitary sandpiper, lesser yellowlegs; pectoral sandpiper, Western sandpiper, least sandpiper, dowitcher, semipalmated sandpiper, Northern phalarope, herring and ring-billed gull. The highlight of the week-end field trip was observing the phalaropes. There were five in number feeding at a small pond near the lake and at least one while we observed them was "spinning." It was so fast that I decided to time them and on several occasions I counted individuals doing better than 30 complete turn-about's in one minute. They always turned anti-clockwise.

Charles Conrad
Wheeling, W. Va.

House Wren Adopts Robins - On July 24, 1948, a call came from Mrs. J.M. McConnell, stating that a nature phenomena was taking place in their back yard worthy of investigation. A visit was made to the McConnells where they had been observing a house wren making regular trips in feeding a family of young robins. The usually aggressive house wren would almost stand on his head and put on a sword swallowing show when he thrust a small spider down the throat of a young robin larger than himself.

Charles Conrad
Wheeling, W. Va.

Ornithological Comments of Spring 1949 - The following comments, which are worthy of publication, were taken from the files of the writer and for most part were made in the Wheeling area which is mostly Ohio County.

1. Phoebe (Sayornis phoebe) - Were reported nesting as early as March 20.
Hourning dove (Zenaida macroura) - about the same date and Robins (Turdus migratorius) - nested as early as March 8.

2. American pipit (Anthus spinolaetts) - were reported at West Alexander, Pa., by the installers, from May 7 until the latter part of the month.

3. Baltimore oriole (Icterus galbula) - seemed to be everywhere. It was the opinion of local observers that there was a definite increase in numbers this year.

4. Brewster's warbler (Vermivora brevirostris) - was observed by several members of the BBC on May 29, at Oglebay Park. It was found in the same territory of the park when it was reported in 1947. The bird at that time remained until June 22.

5. Yellow-throated warbler (Dendroica dominica) - has been reported to two different groups at Oglebay Park on "Century Day" May 15. This is an excellent observation for Ohio County.

6. Alder flycatcher (Empidonax traillii) - were again reported by Haller and Conrad, at Beech Bottom swamp (Brock County).

7. Blue-winged warbler (Vermivora pinus) - males were still heard singing in the latter part of June by Chuck Conrad in the vicinity of his home. To the reporters knowledge no nest of this species has ever been reported in Ohio County.

8. Nashville (Vermivora ruficapilla) and Tennessee (Vermivora peregrina) warblers - were reported in great numbers and were easily the most common of the migratory warblers.

9. Ducks as a group were very scarce and very few observations or reports were made, to the knowledge of the writer.

Charles Conrad
Wheeling, W. Va.
WOODCOCK CENSUS
April 6 to May 8, 1950
Reprint from THE HUNTINGTON CHAT Vol. VI No. 1, Sept. 1950

<table>
<thead>
<tr>
<th>COUNTY</th>
<th>Length of Line</th>
<th>No. Occupied Singing Grounds</th>
<th>Observer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preston</td>
<td>1.8</td>
<td>1</td>
<td>Gordon Hubbard</td>
</tr>
<tr>
<td>Randolph</td>
<td>2.3</td>
<td>9</td>
<td>Mr. and Mrs. W. R. DeGarmo</td>
</tr>
<tr>
<td>Randolph</td>
<td>3.8</td>
<td>5</td>
<td>W. R. DeGarmo and Geo. Breiding</td>
</tr>
<tr>
<td>Tucker</td>
<td>2.9</td>
<td>4</td>
<td>Hans G. Uhlig and Mr. and Mrs. Herbert Dahl</td>
</tr>
<tr>
<td>Grant</td>
<td>2.0</td>
<td>5</td>
<td>Mr. &amp; Mrs. David Gilpin</td>
</tr>
<tr>
<td>Grant</td>
<td>1.8</td>
<td>5</td>
<td>Robert Kletzly</td>
</tr>
<tr>
<td>Pocahontas</td>
<td>2.5</td>
<td>10</td>
<td>Uhlig, Dahl and Holderby</td>
</tr>
<tr>
<td>Tyler</td>
<td>2.8</td>
<td>0</td>
<td>F. H. Bezdek</td>
</tr>
<tr>
<td>Nicholas</td>
<td>2.0</td>
<td>1</td>
<td>E. H. Willard, Jr.</td>
</tr>
<tr>
<td>Nicholas</td>
<td>3.6</td>
<td>4</td>
<td>C. H. Smithson</td>
</tr>
<tr>
<td>Raleigh</td>
<td>1.8</td>
<td>1</td>
<td>E. H. Pollack</td>
</tr>
<tr>
<td>Raleigh</td>
<td>1.8</td>
<td>1</td>
<td>E. H. Pollack</td>
</tr>
<tr>
<td>Kanawha</td>
<td>4.0</td>
<td>0</td>
<td>E. L. Anderson</td>
</tr>
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Total     | 33.1           | 47                           |

A comparison of the lines run last year and those run this year may be drawn from the following table:

<table>
<thead>
<tr>
<th>YEAR</th>
<th>No. of Lines</th>
<th>Length of Lines (Miles)</th>
<th>Occupied Singing Grounds</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Total</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Per Mile</td>
</tr>
<tr>
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<td>3</td>
<td>9.0</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
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<td>3*</td>
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<td>19</td>
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<tr>
<td>1950</td>
<td>13</td>
<td>33.1</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.4</td>
</tr>
</tbody>
</table>

*Note: A repeat census of the lines established and censused for the first time in 1949
Here is the proposed schedule of activities for the 1951 program of the Brooks Bird Club, Inc. Chairman for each of the events have been named and it is suggested that they, in turn, appoint working committees to take charge:

February 11-12 - Mid-Winter Meeting, Headquarters BBC, Wheeling, W. Va. Chairman, Pete Chandler

March 31-Apr. 1 - Mosquito Lake Field Trip, Girard, Ohio Chairman, Howard Heimerdinger


June 9-17 - Annual Foray (location to be announced later). Chairman, Charles Conrad

Aug. 31-Sept 1-2-3 Annual Meeting Brooks Bird Club, Inc. (meeting place to be announced later). Chairman, Pete Chandler

Sept 29-30 - Hawk Migration Field Trip, Davis, W. Va. Chairman, Russell DeGarme

Oct. 20-21 - Fall Festival, Marietta, Ohio Chairman, Lawrence Hicks

The dates selected were considered best for each activity and will be carried out as scheduled. However, in case a change is made you will be notified. A detailed bulletin for each of the above events will be sent to all members, from Headquarters.

In addition to the above program, activities of Local Chapters will be announced from time to time in The Mail Bag.

The Brooks Bird Club, Inc. also asks and encourages all members and affiliated Chapters to carry out the following local activities:

Christmas Bird Census Century Day
Migration Walks Field Projects

Reports for all of the local activities are requested by the Editor of The REDSTART.

If by chance any member or friend should be in Wheeling on any Tuesday night, the clubroom will be open from 8:00 p. m. on. There is always plenty to do and always "tea and crumpets" and loads of fun.