

OPERATION RECOVERY, NORTH OCEAN CITY, MD.

By Gladys Hix Cole

Thanks to the developer of Caine Keys at North Ocean City, Md., we were able to use the undeveloped part of our old station. This made a greater concentration of nets and the banding shelter was set up under the pines. The station opened a week later than usual. September and October were mild months with rainfall below normal for the period, and the mosquitoes were as hungry as ever. Some new and interesting projects were added to our usual processing this year.

Dr. Rexford Lord from the U. S. Public Health Service collected over 100 blood specimens from netted birds to make a study of encephalitis. He was as thoughtful and considerate of each bird as he would have been of a person. The birds suffered no ill effects as we found them in good condition when re-trapped in the following days.

We also collected many of the tiny ticks that occur in the ears and about the heads of so many of the birds that feed on or near the ground. These ticks were found on 21 species. Dr. Daniel E. Sonenshine of Old Dominion College has already identified most of the ticks, some of which were first records for the various host species.

The greatest rarity of the fall was the first known hybrid between a Blackpoll Warbler and a Northern Waterthrush. A detailed description of this bird will be published in The Auk (Short and Robbins).

The Ocean City O R site attracted helpers and guests as usual. During the seven weeks, there were nine banders and fifty-one helpers. "Helpers" are the vital record keepers, statisticians, weighers, photographers, net-tenders and toters. Visitors, particularly weekends, totaled 72; with 16 on Sept. 18th and 23 on Sept. 25th.

While migration seemed to be later than usual, the irregular winter visitors (Red-breasted Nuthatch, Pine Siskin, Evening Grosbeak and Purple Finch) arrived early because of the food shortage in northern New England and eastern Canada.

As a summary: In 1965 we banded our first Bluebird, first Gambel's White-crowned Sparrow, and 13 Saw-whet Owls. The best day was October 25, with 1282 banded. The largest number of a single species was 3092 Myrtle Warblers and the total birds banded were 10,068 of 112 species, not to mention those handled as "repeats."

One phenomenon which may be interesting was noted on October 2nd, with many tree swallows flying south at 9:30 a.m. and as many flying north at 10:30 a.m.

On September 18, 1965, Bill Clark banded a Solitary Vireo at the Ocean City station, and it repeated on September 22; but on September 26, 1965, Mr. William Pepper recaptured it at Island Beach, N. J. This is the first record I know of when one of our birds from O R moved north.

Daily Banding Totals, Ocean City,

Date	October										
	10	11	12	13	14	15	16	17	18	19	20
Canada Goose											1
Sharp-shinned Hawk											1
Bobwhite									1		
Sora											
American Woodcock		1							1		
Mourning Dove					1						
Yellow-billed Cuckoo				1	2		1				
Black-billed Cuckoo											
Saw-whet Owl									2		
Whip-poor-will											
Belted Kingfisher											
Yellow-shafted Flicker	2	3	2	4	1		1	3			
Red-headed Woodpecker											
Yel.-bellied Sapsucker		14	3		1			1			
Hairy Woodpecker								1			
Downy Woodpecker	1	1	1	5		1			1		
Gt. Crested Flycatcher											
Eastern Phoebe	1	7		8				1			
Yellow-bellied Flycatcher											
Acadian Flycatcher	1										
Traill's Flycatcher											
Least Flycatcher				1	1						
Empidonax sp.											1
E. Wood Pewee											
Olive-sided Flycatcher											
Tree Swallow											
Blue Jay				1	1	3					
Carolina Chickadee								5	2		
White-breasted Nuthatch				2				1	3		
Red-breasted Nuthatch	1	2		4				1	3		
Brown Creeper	7	7	3	20	1	1	2	56	4	2	11
House Wren	1		1	1							
Winter Wren	1		2		1		1	1			
Long-billed Marsh Wren											
Mockingbird							3			1	
Catbird	9	34	10	7	7	1	4	4			
Brown Thrasher	5	1	2	2	1		1	3			
Robin		3	1	1	1		1	2	1	1	
Wood Thrush		2		1	1						
Hermit Thrush		20	4	25	3		6	12	1	1	2

Maryland, September - November, 1965

												Oct.	Nov.		Season
	21	22	23	24	25	26	27	28	29	30	31	Total	1	2	Total
								1		1		1			1
												3	2		5
												1			1
												0			1
						1						3			5
												1			3
				1								7			10
					1	2		1				0			6
												9	1	3	13
									1	1		1			1
												1			4
							4	1	1	3		61			114
												0			3
												111			132
												1			1
												22			28
												1			5
												47	3		58
												0			4
												2			2
												1			8
												4			12
												1			1
												5			29
												0			1
												46			46
												5			5
												0			1
												14			15
												25	3		47
												196	1	4	271
												9			21
												10			12
												1			2
												6	1		14
												144	1	1	299
												36	1		103
												90	3	22	121
												18			27
												322	5	31	360

Ocean City, 1965	10	11	12	13	14	15	16	17	18	19	20
Swainson's Thrush	15	35	2	7	8		1	1	1		
Gray-cheeked Thrush	3	24		4	2	1		1			
Veery		1		10							
Eastern Bluebird											
Blue-gray Gnatcatcher											
Golden-crowned Kinglet	3	4		7	3		2	14	3		2
Ruby-crowned Kinglet	1	17	6		4	1	2	8	4	1	
Cedar Waxwing				3							1
Starling											
White-eyed Vireo						1	1				
Yellow-throated Vireo											
Solitary Vireo			1		1						
Red-eyed Vireo	2	6		1	5						1
Philadelphia Vireo		2									
Warbling Vireo											
Blk.-&-white Warbler	1	5									
Worm-eating Warbler											
Tennessee Warbler	2	2		1	1						
Nashville Warbler		1									
Parula Warbler				1							
Yellow Warbler											
Magnolia Warbler	1	9	2								
Cape May Warbler	2	2		1							
Blk-throated Blue Warbler	1	4		2	4				1		
Myrtle Warbler	32	104	144	201	69	61	114	70	51	93	147
Blk-throated Green Warbler					1						1
Chestnut-sided Warbler	1		1								
Bay-breasted Warbler											
Blackpoll Warbler	5	7		7	7		1	2			
HYBRID Blkpoll X No.W'thr.											
Pine Warbler				1							
Prairie Warbler		1									
W. Palm Warbler		2			3	2		5	1	1	1
Ovenbird		5	1		1						
Northern Waterthrush		2		1	1						
Kentucky Warbler						1	1				
Connecticut Warbler	1	1									
Mourning Warbler											
Yellowthroat	1	5	3	5	2		1				
Yellow-breasted Chat		1	1								

	21	22	23	24	25	26	27	28	29	30	31	Oct. Total	Nov. 1 2	Season Total
				1	5				1			160	1	329
				3	2	1						128		192
												12		30
												0	1	1
												0		1
		1	3	12	4	1	2	4				77	1 11	89
		2	11	84	35	4	3	15	1	1		252	6	271
									1			11	1	50
												0		2
												3		5
												1		3
		1			1		2					7		10
			1	2								28		97
												3		15
												0		1
		1		2					1			19		89
												0		1
												7		12
					1							3		7
												4		16
												0		12
												25		88
	1		1	3	1							14		59
												30		75
	23	44	40	75	37	340	176	165	26	88	74	2879	59 142	3092
												4		17
						1						4		7
												1		7
												79		152
												0		1
						1						2		2
												1		9
	2	1	1	3	4	1	1	1				42	1	79
												17		64
												7		77
												0		1
												6		12
												0		1
			1	1		2			2			43		145
												3		27

Ocean City, 1965	10	11	12	13	14	15	16	17	18	19	20
Hooded Warbler											
Wilson's Warbler		1									
Canada Warbler											
American Redstart	1	1	2	1	1	1		1			
House Sparrow											
Red-winged Blackbird					1						
Baltimore Oriole											
Rusty Blackbird											
Brown-headed Cowbird			1			1					
Scarlet Tanager		1									
Summer Tanager											
Cardinal						1		7			
Rose-breasted Grosbeak											
Indigo Bunting		1	2	5	1		2				1
Evening Grosbeak											
Purple Finch				1		1	1	2			
Pine Siskin											
American Goldfinch				1		1	1		1		
Rufous-sided Towhee	1	12	12	14	2	1		4			4
Savannah Sparrow		2	2	2		1		1	1	1	1
Grasshopper Sparrow				1							
Sharp-tailed Sparrow											
Vesper Sparrow									1		
Slate-colored Junco	1	6	5	29			1	50	4	5	21
Tree Sparrow											
Chipping Sparrow			2	1				1			
Field Sparrow		3	3	4		1	1	3	1		1
White-crowned Sparrow			1					1			
Gambel's White-crowned Sp.											
White-throated Sparrow	1	87	44	13	3		1	13	2		2
Fox Sparrow				2							
Lincoln's Sparrow		1	1								
Swamp Sparrow		6	6	5	5	1	4	9	9	5	2
Song Sparrow	3	1	8	8	6	4	6	6	1	2	7
Total banded	{	518	423	84	290	115					
	{	107	277	153	167	92	205				
Net-hours	{	478	475	471	467	497					
	{	480	477	473	470	470	507				
Max. no. of nets		42	42	42	42	42	42	42	45	45	46

	21	22	23	24	25	26	27	28	29	30	31	Oct. Total	Nov. 1	Nov. 2	Season Total
												1			2
												1			11
												0			5
						1	1					26			319
					1					1	1	3			3
								1				2			2
								1				4			49
												1			1
												2			2
						1						8			37
												0			4
						2						11	1		21
												2			26
										2		21			35
												0	2		2
						2	2	1		1	1	14	2	4	22
												0	1	2	3
							1		1	2		10	3	4	23
						3	1	2	3	2	1	3	78	1	92
						2	1	1	1	5	2	3	8	60	77
												1			2
												1			1
								1				2		2	4
	1	7	6	3	23	52	18	12	32	38	25	907	20	101	1038
												1	2	1	4
	1				3	1			3	1	1	15	1	1	17
			1	1	13	2	3	3	8	2	1	52	2	10	64
					7				3		1	14		2	16
												0	1		1
					258	82	25	10	164	31	6	773	4	20	819
								1	7			10	2	8	20
						3						7			11
	2	1	3		14	16	12	5	25	15	18	173	6	6	190
	4	4	4		11	7	15	8	17	5	11	158	6	13	195
	34		70	1282		276	947	153				131			
		60	123	573	234	202						7435	411		10,058
	236		523	466	515	534	538						448		
		395	522	492	514	531							549		14,118
	46	46	48	48	43	48	48	48	50	50	52		52	52	

HOW TO MAKE A CHICKADEE TRAP

By Franklin McCamey

Reprinted from the Workshop Manual, Vol. 4, 1965

CONSTRUCTION OPERATIONS - Trap Body

Cutting Welded Wire Mesh

Tin snips or shears

Diagonal clippers

Metal cutting blade on portable saw

Bending Welded Wire Mesh

Use flat iron bar on edge of workbench to make the bend, and a hammer to form the wires around the bend. It is easier to make the bends between the cross wires of the mesh.

Remove sharp ends

Diagonal clippers

File - 8" mill cut

Grinding wheel on 1/4" drill or bench grinder

USE GOGGLES!

Soldering

Hold joints with clips for alignment

Apply flux with brush - Tinners Flux for galvanized metal

Heat the joints (not too hot!) and apply solder

Do not disturb joint until surface of solder turns dull.

CONSTRUCTION OPERATIONS - Mechanism

Cut #12 wire to rough lengths and flatten carefully on hardwood block

Bend eyelets and loops where needed (See diagram)

Bend trigger parts to shape - make treadle and door assemblies.

Measure length required between bends - mark bending points with red wax pencil - bend around pin for forming eyelets.

Make pivot and bearing joints - Improved type

Solder disc to loop

Drill hole slightly larger than wire to be used for shaft

Insert wire shaft and apply drop of solder on the end of the shaft.

CONSTRUCTION OPERATIONS - Bait Pan

Fold up 1-1/2" all around sides of 7" x 9-1/2" blank sheet of metal copper, tin, or zinc. Use aluminum and rivets if desired.

Solder corners

Drill drainage holes in bottom

ASSEMBLY

Bend sides into rectangle shape

Solder top in place

Cut out door opening, smooth edges

Solder treadle supports in place - drill holes

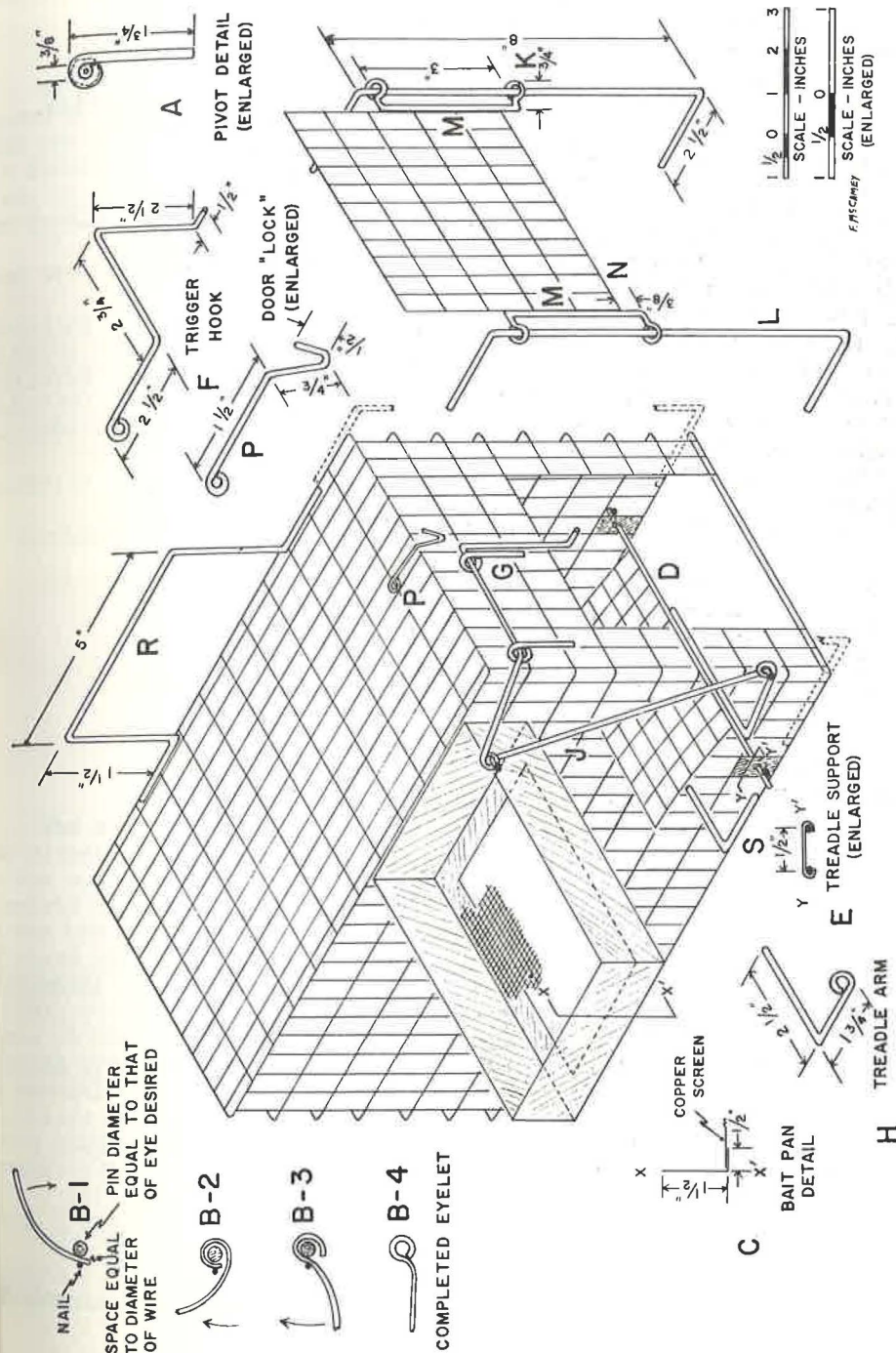
Place treadle in position

Solder in front and middle braces on bottom (or solder in bottom if trap is to have one)

Solder in upper trigger parts

Solder door assembly in position

(Directions continued on page



ASSEMBLY (continued)

Fasten bait pan in position - solder on rivets

Solder handle and add door catch

Balance trigger mechanism

Important! Wash entire trap in water to remove soldering acids.

Paint with spray enamel from pressure can - black is best.

MATERIALS REQUIRED - One Chickadee Trap 12" x 8" x 6-1/2"

Welded Wire 1" x 1/2" mesh, galvanized 50" x 8"

(Order from Montgomery Ward Farm Catalog)

Steel Wire, galvanized, #12 gauge 6 ft. piece

Sheet metal (copper, tin, zinc) 7" x 9-1/2"

Solder 50-50 or 60-40

Tinners Flux

TOOLS NEEDED - Minimum for efficient work

Electric drill - 1/4", with set of drill bits

Grinding wheel - 4", #60 grit

Soldering Iron, 100-watt or larger

Metal shears, tin snips

Hammer

Pliers - One long-nosed, with wire cutters

One slip-joint, for gripping tightly

Diagonal wire-cutters

Files One 10-inch, flat, mill cut

One 6-inch, triangular, mill cut

Alligator clips - 4 or more

Useful accessories:

Squeeze clips or hog rings

Jenson clips or blank bands

Hawk Mt. Sanctuary Assoc., RFD 1, Box 214, Orwigsburg, Pa.

