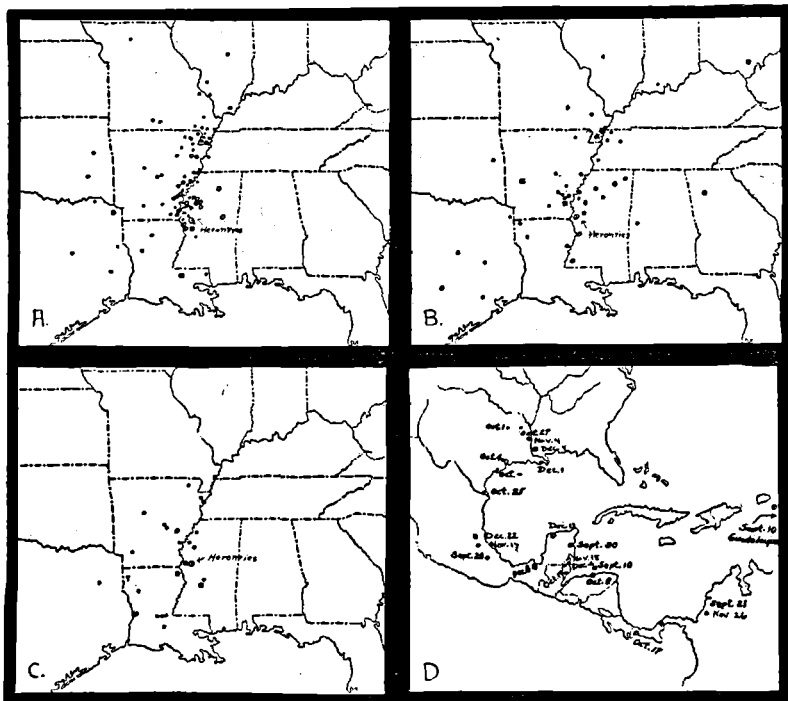


POST-JUVENAL MIGRATION OF HERONS

By BEN B. COFFEY, JR.

THIS paper lists recoveries, from nestlings banded in central Mississippi in late May and early June, during the subsequent period of July to December. Species include American Egret, Little Blue Heron, Snowy Egret and Yellow-crowned Night Heron; also the Water Turkey, or Anhinga, which nests in similar habitats.

My results are necessarily from juvenal birds, but adult birds also take part in a northward movement which occurs in late summer and early autumn. This "reverse migration" has always been of interest to me, long before my personal involvement in bird banding provided data on individual birds. In analyzing the



- Explanation to Maps of Heron Recoveries:
 A. July; B. August; C. September; D. October and points outside United States.
- | | |
|------------------|------------------------------|
| ● American Egret | ○ Little Blue Heron |
| ★ Snowy Egret | Y Yellow crowned Night Heron |
| ■ Anhinga | ○ Site of Heronries |

recoveries reported during this time of year, I decided to group them chronologically and plot on respective maps. Thus it is possible to note the dispersal of these birds, month by month, until October when most of them have left the country.

Several heronries were visited. Recoveries from nestlings of the same general region near Greenville, Mississippi are shown on the maps; a separation by heronries is not pertinent. Those from Moon Lake (Coahoma County), Miss. are not shown on the maps since the heronry is about 125 miles north of the Greenville group; however, these recoveries are tabulated to complete the record. I am indebted to: Mr. Claude Beeson of Holly Bluff for transportation and other assistance in connection with the heronry on his property there; to William Turcotte of Clinton, Mississippi for information on the Good Hope colony; to Prof. R. L. Caylor of Delta State College, Cleveland, for information and guidance into the Glen Allan heronry, and to Mr. George Uzzelle, present owner, for permission to band there; to Mr. B. F. McCamey, Jr., discoverer, and Mrs. Turner Morehead, owner, of the location at Moon Lake.

Final publication of this article was undertaken after my entrance into the armed forces; I am grateful to Mrs. Coffey for her assistance at this time.

<i>Greenville, Miss. Area</i>	TOTALS BANDED		<i>Snowy Egret</i>	<i>Anhinga</i>	<i>Totals</i>
	<i>American Egret</i>	<i>Little Blue Heron</i>			
1935					
June 1, Holly Bluff.....	133				133
June 2, Good Hope.....	32	100			132
June 15, Holly Bluff.....	32			58	90
June 16, Good Hope.....	74	283	10	35	402
Totals 1935.....	271	383	10	93	757
1936					
May 24, Glen Allan.....	438	465	19	102	1,024
May 31, Good Hope.....	28	408	10		446
June 7, Glen Allan.....	28	137	23	150	338
June 8, Glen Allan.....	73	158	8		239
Totals 1936.....	567	1,168	60	252	2,047
1937					
May 23, Glen Allan.....	861	992	13		1,866
June 6, Glen Allan.....	774	841	201	66	1,882
Totals 1937.....	1,635	1,833	214	66	3,748
1941					
May 25, Glen Allan.....	656	2		75	733
June 8, Glen Allan.....	360	22	40	69	491
Totals 1941.....	1,016	24	40	144	1,224
*Totals, Greenville Area..	3,489	3,408	324	555	7,776

*Also banded June 6, 1937, Glen Allan, Yellow-crowned Night Heron, 44; and 1935, Good Hope Black-crowned Night Heron, 10.

	<i>Moon Lake, Miss.</i>	<i>Little Blue Heron</i>	<i>Snowy Egret</i>	<i>Totals</i>
June 3, 1940.....		640	60	700
June 1, 1941.....		472	54	526
June 7, 1942.....		745	129	874
Totals.....		1,857	243	2,100

TABLES OF RECOVERIES

I. AMERICAN EGRETS

A. 1937 BANDINGS, GLEN ALLAN, MISS.

BANDING MAY 23, 1937		Date Recovered	BANDING JUNE 6, 1937	
<i>Band No.</i>	<i>Place of Recovery</i>		<i>Band No.</i>	<i>Place of Recovery</i>
37-711092	Greenville, Miss.	6/25		
36-720374	Warren, Ark.	6/28		
		6	37-719141	Chester, Ill.
37-711174	Greenville, Miss.	7/ 2		
37-711028	Greenville, Miss.	7/12		
37-711260	Greenville, Miss.	7/12		
36-715302	Cleveland, Miss.	7/12		
36-720164	Kennett, Mo.	7/14		
37-711054	Proctor, Ark.	7/14		
37-711333	Calamine, Ark.	7/14		
37-711449	Dora, Mo.	7/15		
37-711134	Pollard, Ark.	7/16		
36-720436	Holcomb, Mo.	7/18		
36-720417	Kennett, Mo.	7/19	37-719200	Greenbrier, Mo.
		7/20	37-711739	Quin, Mo.
		7/21	37-719713	Trenton, Miss.
		7/21	37-719517	Leland, Miss.
		7/21	37-719615	Winterville, Miss.
		7/21	37-719289	Halley, Ark.
36-715317	Pocahontas, Ark.	7/23		
36-720097	West Memphis, Ark.	7/23		
		7/24	37-711630	Moscow, Texas
37-711078	Cary, Miss.	7/24	37-711928	Yazoo County, Miss.
37-711447	Glen Allan, Miss.	7/25		
36-720216	Summerfield, Ill.	7/25		
36-720295	Marianna, Ark.	7/26	37-719056	Sweet Home, Ark.
37-711141	Winterville, Miss.	7/26	37-711561	Sayre, Ark.
37-711228	Chatfield, Ark.	7/27	37-711966	Harrison, Ark.
		7/27	37-719750	McAlester, Okla.
		7/28	37-711478	Malden, Mo.
37-711248	Shelbyville, Ill.	7/28	37-711484	Washington Co., Miss.
		7/28	37-711717	Caruthersville, Mo.
37-711157	Danby, Mo.	7/29		
36-720488	Butler County, Mo.	7/30	37-711887	Chicot, Tex.
37-711058	Natchitoches, La.	7/30	37-719318	Parkdale, Ark.
37-711221	Bradford, Ark.	7/31	37-719119	Lundell, Ark.
		8/ 1	37-711473	Coffeeville, Miss.
37-711269	Witt, Ill.	8/ 3		
36-715390	Marianna, Ark.	8/ 4		
		8/ 5	37-711578	Plain Dealing, La.
		8/ 6	37-719505	Rector, Mo.
		8/ 8		
36-720481	DeWitt, Ark.	8/11		
36-715366	Miston, Tenn.	8/11		
37-711030	Reelfoot Lake, Tenn.	8/12		
37-711093	Pocahontas, Ark.	8/14		
37-711415	Varner, Ark.	8/21		
		8/26	37-719370	Ferriday, La.
37-711255	Atlanta, Tex.	8/27		
		9/ 1	37-711851	Mound Bayou, Miss.
		9/ 2	37-719171	Atkins, Ark.
		9/ 6	37-711672	Roseland, Ark.
36-720438	Opelousas, La.	9/ 8		
37-711246	Ruleville, Miss.	9/10		
		9/12	37-711626	Moon Lake (Lula), Miss.

37-711336	Bassett, Ark.	9		
37-711098	Benzal, Ark.	9/16		
36-720166	Gulfport, Miss.	9/18		
36-720119	Keo, Ark.	9/19		
36-720404	Bunkie, La.	9/20	37-719216	Ben Wheeler, Texas
		9/21	37-719331	Cartagena, Colombia, S. A.
		10/ 1	37-711729	McCurtain County, Okla.
36-720451	Tamash River, Barranco, British Honduras	10/18		
36-720293	Monteria, Bolivar, Colombia	11/26		
		12/20	37-719354	Lafitte, La.

B. ALL BANDINGS EXCEPT 1937

<i>Band No.</i>	<i>Date Banded</i>	<i>Date and Location of Recovery</i>
36-719137	May 24, 1936	July 2, 1936 Morrilton, Ark.
36-719121	May 24, 1936	July 5, 1936 Tunica, Miss.
36-719016	May 24, 1936	July 5, 1936 Ft. Jackson, La.
34-658408	June 1, 1935	July 6, 1935 Lexington, Miss. (19 mi. S.)
37-720419	May 25, 1941	July 11, 1941 Scott, Ark.
36-719534	June 8, 1936	July 12, 1936 Sibley, Miss.
36-719680	May 24, 1936	July 15, 1936 Bolton, Miss.
36-719723	June 8, 1936	July 15, 1936 Paragould, Ark.
36-719338	May 24, 1936	July 16, 1936 Muskogee, Okla.
34-658419	June 1, 1935	July 17, 1935 Bogalusa, La.
36-719330	May 24, 1936	July 19, 1936 Tenaha, Texas
36-719174	May 24, 1936	July 20, 1936 Greenville, Miss.
36-719223	May 24, 1936	July 20, 1936 Burlington, Tenn.
37-719467	May 25, 1941	July 22, 1941 West Plains, Mo.
36-719764	June 8, 1936	July 23, 1936 Oneida, Ark.
36-719547	June 8, 1936	July 24, 1936 Otto, Texas
36-720020	June 8, 1936	July 29, 1936 Ruston, La.
36-719033	May 24, 1936	July 30, 1936 Lake Jackson, Miss.
36-719551	June 7, 1936	July 31, 1936 Jonesboro, Ark.
36-719268	May 24, 1936	Aug. 3, 1936 Tamaha, Okla.
36-719435	May 24, 1936	Aug. 4, 1936 Dumas, Ark.
36-719252	May 24, 1936	Aug. 5, 1936 Normangee, Texas
36-719217	May 24, 1936	Aug. 6, 1936 Greenbrier, Mo.
37-719493	May 25, 1941	Aug., 1941 Lucy, Tenn.
37-711659	May 25, 1941	Aug., 1941 Myrtlewood, Ala.
37-720705	May 25, 1941	Aug. 10, 1941 Ringgold, La.
36-720015	June 8, 1936	Aug. 11, 1936 Hubbard, Texas
37-711674	May 25, 1941	Aug. 12, 1941 Banks, Ark.
36-719170	May 24, 1936	Aug. 14, 1936 Trezevant, Tenn.
36-719246	May 24, 1936	Aug. 15, 1936 Rock, Ill.
36-719368	May 24, 1936	Aug. 15, 1936 Gould, Ark.
37-720460	May 25, 1941	Aug. 19, 1941 Brookshire, Texas
34-661973	May 24, 1936	Aug. 20, 1936 Carlisle, Ark.
36-719791	June 8, 1936	Aug. 30, 1936 Lamont, Miss.
34-661878	June 16, 1935	Sept. 2, 1935 Evergreen, La.
37-719676	May 25, 1941	Sept. 5, 1941 Ridgeland, Miss.
34-658583	June 2, 1935	Sept. 6, 1935 Biggers, Ark.
37-719942	May 25, 1941	Sept., 1941 Hope, Ark.
37-719562	May 25, 1941	Sept. 10, 1941 England, Ark.
34-661861	June 16, 1935	Sept. 14, 1935 Cottonport, La.
37-719823	May 25, 1941	Sept. 18, 1941 Armistead, La.
34-658404	June 1, 1935	Oct. 4, 1935 Humble, Texas
34-658469	June 1, 1935	Oct., 1935 Collegeport, Texas
36-719060	May 24, 1936	Oct. 25, 1936 Alamo, Texas
36-719155	May 24, 1936	Oct. 27, 1936 Grady, Ark. (6 mi. N.)
36-719748	June 8, 1936	Nov. 4, 1936 Epps, La. (7 mi. W.)
34-658472	June 1, 1935	Nov. 17, 1935 Santana Rodriguez, Vera Cruz
37-711651	May 22, 1938	Nov. 18, 1938 Belize, British Honduras
34-661945	June 16, 1935	Nov. 25, 1935 San Antonio, Texas
34-661891	June 16, 1935	Dec. 1, 1935 Sibun River, 25 mi. from Belize, British Honduras
34-661914	June 16, 1935	Dec. 12, 1935 Terrebonne Parish, La.

II. LITTLE BLUE HERON

A. 1937 BANDINGS, GLEN ALLAN, MISS.

BANDIED MAY 23, 1937

BANDIED JUNE 6, 1937

Band No.	Place of Recovery	Date Recovered	Band No.	Place of Recovery
		7/ 2	37-631149	Ruleville, Miss.
		7/ 6	37-644199	Drew, Miss.
		7/ 7		
37-630452	Leland, Miss.	7/ 8		
37-630256	Marked Tree, Ark.	7/12	37-631457	Harrisburg, Ark.
37-630136	Indian Bay, Ark.	7/20		
		7/22	37-631467	Lake Village, Ark.
36-657482	Holland, Mo.	7/27		
		7/28		
37-630635	Crockett's Bluff, Ark.	7/31		
37-630489	Alligator, Miss.	8/ 3		
36-657639	Vicksburg, Miss.	8/ 5		
36-657700	Pollard, Ark.	8/ 7	37-630988	Batesville, Miss.
		8/18		
37-630595	Acworth, Ga.	8/20		
36-657463	Rosedale, Miss.	8/25		
36-657687	New Albany, Miss.	9/ 7	37-631034	Burr Ferry, La.
		9/10	37-631048	Crockett's Bluff, Ark.
37-630729	Bonacca, Bay Islands, Honduras	9/30		
37-630956	Ciudad Carillo, Quintana Roo	9/24	37-644042	Carroll Parish, La.
		10/ 8	37-630862	Sico, Puerto Castillo, Honduras
		10/17	37-644201	David, Chiriqui, Panama

B. ALL BANDINGS EXCEPT 1937 AND MOON LAKE

Band No.	Date Banded	Date	Location of Recovery
36-657231	May 31, 1936	July 3, 1936	Merigold, Miss.
36-657337	May 31, 1936	July 3, 1936	Denmark, Miss.
36-656311	May 24, 1936	July 4, 1936	Watson, Ark.
36-656044	May 24, 1936	July 6, 1936	Helena, Ark.
36-657411	May 31, 1936	July 6, 1936	Drew, Miss.
36-657066	May 31, 1936	July 11, 1936	Desha County, Ark.
36-657207	May 31, 1936	July 12, 1936	Jennie, Ark.
36-656445	May 24, 1936	July 20, 1936	Yancopin, Ark.
36-656534	June 7, 1936	July 20, 1936	Tallula, Miss.
36-656354	June 7, 1936	July 21, 1936	Mayersville, Miss.
36-656411	May 24, 1936	July 24, 1936	Delaplaine, Ark.
36-657241	May 31, 1936	July 27, 1936	Louisville, Miss. (17 mi. NE.)
36-656565	June 7, 1936	Aug. 1, 1936	Indianola, Miss.
35-540299	June 8, 1936	Aug. 11, 1936	Watson, Ark.
36-656359	June 7, 1936	Aug. 11, 1936	Booneville, Miss.
36-657426	May 31, 1936	Aug. 20, 1936	Isola, Miss.
36-656017	May 24, 1936	Aug. 28, 1936	Austin, Tex. (20 mi. S.)
36-656465	May 24, 1936	Aug. 31, 1936	Wellston, Ohio
36-656105	May 24, 1936	Sept. 10, 1936	St. Francois, Guadeloupe, French West Indies
36-656093	May 24, 1936	Sept. 28, 1936	Laguna de Chapulco, Puebla

C. MOON LAKE (COAHOMA COUNTY), MISS. BANDINGS (NOT MAPPED).

37-644378	June 1, 1941	June 30, 1941	Lucy, Tenn.
37-644912	June 3, 1940	July 10, 1940	Gunnison, Miss.
37-644718	June 3, 1940	July 21, 1940	Elaine, Ark.
37-645338	June 1, 1941	July 22, 1941	New Albany, Miss.
38-675072	June 1, 1941	July 22, 1941	Clarksdale, Miss.
37-644526	June 1, 1941	July 25, 1941	Hogsnville, Ga.
37-645360	June 1, 1941	Sept. 10, 1941	Calhoun, Ala.
37-645042	June 3, 1940	Oct. 15, 1940	Marks, Miss.
37-644651	June 3, 1940	Dec. 6, 1940	Sittee River, British Honduras
37-645094	June 3, 1940	Dec. 13, 1940	Maxcanu, Yucatan
38-675084	June 7, 1942	July 6, 1942	Paragould, Ark.
38-675869	June 7, 1942	July, 1942	West Helena, Ark.
38-675204	June 7, 1942	July 12, 1942	Atoka, Tenn.
37-645189	June 3, 1940	Aug. 9, 1940	Crowville, La.
37-645299	June 3, 1940	Aug. 26, 1940	Abbeville, La.

III. SNOWY EGRET

Band No.	Date Banded	Date and Location of Recovery
37-630871	June 6, 1937	Aug. 5, 1937 Deering, Mo.
36-656068	May 24, 1936	Aug. 15, 1936 Sims, Ark.
37-630875	June 6, 1937	Aug. 20, 1937 Pt. Pleasant, Mo.

IV. YELLOW-CROWNED NIGHT HERON

Band No.	Date Banded	Date and Location of Recovery
37-711463	June 6, 1937	Sept. 10, 1937 near Shreveport, La.

V. WATER TURKEY OR ANHINGA

Band No.	Date Banded	Date and Location of Recovery
36-719391	May 24, 1936	July 10, 1936 New Boston, Texas
36-719445	June 7, 1936	July 20, 1936 St. Francisville, La. (6 mi. E.)
34-661803	June 15, 1935	July 28, 1935 Sharkey County, Miss.
36-719194	May 24, 1936	Aug. 7, 1936 Tillar, Ark.
37-719720	June 6, 1937	Sept. 1, 1937 Chatham, Miss.
37-719151	June 6, 1937	Sept. 20, 1937 Jackson, Miss. (East of)
36-719585	June 7, 1936	Dec. 4, 1936 Tallula, Miss.
34-661814	June 15, 1935	Dec. 8, 1935 Paizacas, Campeche
37-711582	June 6, 1937	Dec. 22, 1937 Villa Azueta, Vera Cruz

672 N. Belvedere, Memphis, Tenn.

THE NESTING OF BLUEBIRDS BANDED

AS NESTLINGS

By AMELIA R. LASKEY

NEST boxes for Eastern Bluebirds (*Sialia sialis sialis*) have been placed in Percy Warner Park and the adjoining Edwin Warner Park to increase the numbers of this species around Nashville, Tennessee. Starting in 1936 with 26 boxes, others have been gradually added so that 63 have been available for the past three years. A careful analysis of the nesting data, accumulated through regular visits to the boxes, indicates that only 1,569 eggs of the 3,512 laid have been successful to the point of survival of the young to the age of 16-17 days when they normally fly from the nest. This is 44.67 per cent of the total number laid and corresponds to percentages for birds building open nests. It is markedly lower than for hole nesting species. Mrs. Nice (1937 p. 143-144) gives 40-46 per cent success for open nests and 59 per cent for hole nesting species in the north temperate zone. In Warner Parks predators are chiefly responsible for the loss of eggs, young, and brooding females. Cats and snakes regularly climb to the boxes; there has been some depredation by boys.

All nestlings are banded on the left tarsus and adults on the right. During the nesting seasons of 1937-1942, I have trapped on the nest 42 females that had been banded as nestlings in the parks in the years 1936-1941. Many mated males have been identified by