

Kansas Ornithological Society

BULLETIN

PUBLISHED QUARTERLY

VOL. 12

JUNE, 1961

No. 2

OBSERVATIONS ON THE NESTING SUCCESS OF THE BARN SWALLOW IN SOUTH-CENTRAL KANSAS

By MAX C. THOMPSON

Little published information is available on the nesting success of birds in Kansas although a great deal of data on their clutch-sizes has been gathered by both amateur (Porter, MS) and professional ornithologists. Johnston (1960) summarized certain information on clutch-sizes and also that concerning preferred nesting habitats, but had no information on nesting success. This paper reports results of a study on the nesting success of the Barn Swallow, *Hirundo rustica*, in Kansas.

My observations were made in 1956 on a colony located two miles south and one-half mile west of Udall, Cowley County, Kansas. The colony consisted of twelve nests situated in a barn, at the time unoccupied by domestic animals. A thirteenth nest was observed in a different barn in the same general area. The completion of the clutch, incubation period, and fledging period were calculated (Johnston, 1958:17) when these were not directly observed. The data pertaining to all nestings in 1956 are summarized in Tables 1 and 2.

Arrival and egg-laying.—The first birds arrived already paired on April 4, and the first egg was laid in nest thirteen approximately one month later. An egg was laid in nest number two twelve days later and the other pairs followed in rapid, overlapping succession except numbers ten, eleven and twelve; these late nests produced only one clutch.

TABLE 1
FIRST NESTINGS OF BARN SWALLOWS IN COWLEY COUNTY, KANSAS

Nest No.	Date Clutch Complete	Incubation Period	Fledging Period	Clutch-Size	Per cent Hatch	Per cent Fledged	Number Hatched	Number Fledged
1	May 11	14	May 25-June 6	5	100	80	5	4
2	May 23	13	June 6-June 17	5	100	80	5	4
3	May 23	13	June 6-June 20	5	100	80	5	4
4	May 23	13	June 6-June 18	5	80	100	4	4
5	May 23	13	June 6-June 18	5	100	100	5	5
6	May 20	14	June 3-June 23	5	80	100	4	4
7	May 24	14	June 7-June 28	5	80	100	4	4
8 ♀	June 2	14	June 16-July 2	5	80	100	4	4
9	June 2	14	June 16-July 2	5	100	80	5	4
10	Abandoned							
11	June 12	13	June 25-July 14	5	60	100	3	3
12	June 21	14	July 5-July 18	4	100	100	4	4
13	July 17	13	July 30-August 14	3	100	100	3	3
Averages		13.5 days	15 days	4.75	90.00	93.33	4.25	3.92

It was thought that nest thirteen may have gotten its early start because it was isolated and in a condition requiring little repair. Furthermore, it had been used several years prior to 1956, at which time the parent birds were banded. They returned in 1957 to the same nest, but in 1958 it was occupied by a different pair. Assuming that the banded pair had not occupied the nest in 1955, these adults would have lived between two and three years. Lack (1954:91) gave the average expectation of further life of an adult Barn Swallow as 1.1 years, and when the first year is added as part of the total life expectancy, our figures are similar. It is not known whether any of the pairs one through twelve occupied the same nests in previous years.

In all the nests observed, one egg was laid each day until the clutch was completed. The clutch-size ranged from three to five with an average of 4.75 for the first clutch and 4.55 for the second. From fourteen nesting records, Johnston (1960:38) listed the average clutch-size as 4.95.

Incubation and rearing period.—The incubation period was thought to begin as soon as the next-to-last egg was laid, to range from 13 to 15 days, and to average 13.8 days for both first and second clutches. Bent (1942:448) states, "Most observers give the period of incubation as either fifteen or seventeen days, but some have placed it as low as thirteen days."

The hatching period was usually about 24 hours, at which time the last young hatched usually was the smallest because of the delay in hatching. Mortality among the newly-hatched young invariably included the last bird hatched. Hatching success was 90 per cent and 76.8 per cent for first and second clutches, respectively. Occasionally I removed the eggs that failed to hatch; otherwise they remained in the nest for a few days and were apparently crushed by the young. Of the young that hatched, 93.3 per cent of the first brood and 82.5 per cent of the second were fledged.

TABLE 2
SECOND NESTINGS OF BARN SWALLOWS IN COWLEY COUNTY, KANSAS

Nest No.	Date Clutch Complete	Incubation Period	Fledging Period	Clutch-Size	Per cent Hatch	Per cent Fledged	Number Hatched	Number Fledged
1	June 29	14	July 13–July 29	5	80	100	4	4
2	June 29	15	July 14–July 30	5	100	80	5	4
3	July 1		Destroyed	4				
4	June 27	14	July 11–July 29	4	100	100	4	4
5	June 28	13	July 11–July 29	5	100	100	5	5
6	July 3	14	July 17–August 3	4	75	100	3	3
7	July 6	14	July 20–August 6	5	80	100	4	4
8	July 18	14	August 1–August 17	5	80	100	4	4
9	July 17	15	August 1–August 17	4	50	50	2	2
Averages		14.1 days	16.5 days	4.55	76.87	82.50	3.62	3.37

The rearing period was of variable length owing in part, perhaps, to my presence. The longest such period was 21 days and the shortest eleven days. Bent (1942:448) lists the period from 18–23 days. During the night following fledging of the young in the first brood of nest thirteen, three of the four returned to the nest. On the second night three again returned and on the third night none returned. The swallows left the area on October 8.

LITERATURE CITED

- BENT, A. C.
1942. Life histories of North American Flycatchers, Larks, Swallows, and their allies. U.S. Nat'l. Mus. Bull., 179:1–555.
- JOHNSTON, R. F.
1958. Breeding of the brown thrasher in Kansas. Bull. Kansas Ornith. Soc., 9:17–18.

JOHNSTON, R. F.

1960 Directory to the bird-life of Kansas. Univ. Kansas Mus. Nat. Hist., Misc. Publ., 23:1-69.

LACK, DAVID.

1954. The Natural Regulation of Animals Numbers. Oxford. Pp. 1-343.

ARCTIC HEALTH RESEARCH CENTER, ANCHORAGE, ALASKA, APRIL 6, 1961.

Evening Grosbeaks at Emporia, Kansas.—The remains of an Evening Grosbeak (*Hesperiphona vespertina*) with a band was found in a flower bed at 718 Arundel Street, Emporia, Kansas, on August 29, 1960, by Donald E. Carline. The bird apparently had struck a windowpane several days earlier. The band was given to me the following October, and I sent it to the Bird-Banding Office at Patuxent, Maryland. Since then I have corresponded with the bander, Dorthy L. Bordner of State College, Pennsylvania. The bird was one of 51 grosbeaks banded at State College on March 3, 1960. Not only is it interesting that this bird flew to Kansas from Pennsylvania, but one would hardly look for the species in Kansas during summer. According to Johnston ("Directory to the bird-life of Kansas," *Univ. Kans. Mus. Nat. Hist. Misc. Publ.* No. 23, 1960:59), it is a rare and irregular winter visitant in Kansas, being present in the eastern sector November 6-March 23.

On February 16, 1961, Merrill McHenry noted a single male Evening Grosbeak on the Kansas State Teachers College campus. Later, Richard H. Schmidt and I found the bird, presumably the same one, by itself in a tree near the Student Union. Schmidt collected it, the first Kansas specimen of its kind in the Kansas State Teachers College collection.—DAVID F. PARMELEE, *Biology Department, Kansas State Teachers College, Emporia, Kansas, April 30, 1961.*

A specimen of Greater Scaup taken in Kansas.—On April 8, 1961, I found an adult male Greater Scaup (*Aythya marila*) on a farm pond 8½ miles north of Clay Center, Clay County, Kansas. The bird was in company with three other males and two females of the same species. The specimen (KU 38822) proved to have been in good condition, weighing 830 gms., having moderately heavy layers of subcutaneous and visceral fat, and with a testis measuring 14 by 4 mm. Earlier specimens of Greater Scaup from Kansas seem not to have been preserved (Johnston, *Univ. Kansas Mus. Nat. Hist. Misc. Publ.* No. 23, 1960:14); accordingly, the present specimen is the only one now available from this state.—TED R. ANDERSON, 5513 Russell, Mission, Kansas, April 12, 1961.

REVIEWS

Animal Sounds and Communication. W. E. Lanyon and W. N. Tavolga (editors). Washington, D.C., American Institute of Biological Sciences. Publ. 7; 443 pp., 112 figs.—One advantage of living in the middle of the 20th Century is that almost no human activity is allowed to pass unremarked or unsummarized. Such self-consciousness is especially beneficial for newly-developing fields of study, one of which at the present time concerns animal sounds and communication, or "bioacoustics." This field is really as old as psychology itself, but in the past 12 years it has become reorganized and revitalized by technological developments to such an extent that it is hard to recognize its classical aspects. The new technology has given the student of sounds and communication a relatively inexpensive means of accurately recording sounds (the completely portable, high-fidelity tape recorder) and a relatively expensive means of analyzing sounds (the sound spectrograph). These machines enable students to preserve sounds indefinitely (the use of magnetic tape is so recent that no one knows how long it lasts) and to analyze them not only with the ear but also with the eye, in certain ways a better analytical organ than the ear. The volume under consideration is almost completely an outgrowth of the development of these machines and of the preliminary analyses of communication in sound-producing arthropods and vertebrates. It is at once a progress report and an introduction to bioacoustics.

Students of birds will note with some approval that of the nine chapters in the book, parts or all of six are concerned with sounds of and communication in birds. The chapters by Peter Marler (Bird Songs and Mate Selection) and Wesley E.

Lanyon (*The Ontogeny of Vocalizations in Birds*) deal exclusively with birds and the short chapter by Donald J. Borror deals largely with birds. Beyond this there is general information concerning the equipment and techniques of recording sound (by Peter Paul Kellogg), concerning a possible ecological and functional classification of animal sounds (by Nicholas E. Collias), and concerning animal communication as language (by Charles F. Hockett). The three remaining chapters examine communication by sound in orthopterans (by Richard D. Alexander), in fishes (by William N. Tavolga), and in amphibians and reptiles (by Charles M. Bogert). All chapters are competently done, and some are conspicuously good. In this connection, it should be noted that the balance of the book is not so good; slightly more than 40 per cent of the pages are given over to Bogert's fine survey of sounds and behavior of amphibians and reptiles, and practically nothing is said about sound and communication in mammals (although the line drawings facing the title page include a mammal, indicating that a chapter on mammals probably was anticipated). However, what is present has been done at a professional level.

The book has the distinction of being aided and abetted by a 12-inch, 33 $\frac{1}{3}$ rpm, phonograph record containing some of the sounds that are described and figured in the text. Persons never having had the opportunity to look at a sound spectrogram and hear concomitantly the reproduction of the sounds responsible for the spectrogram will find the experience frequently rewarding and occasionally exhilarating. The chance to compare songs of some sparrows and thrushes reproduced at normal speeds and at quarter-speeds is also available on this record. The fidelity of the recordings is on the whole good, but there is some distortion, chiefly on the bands containing sounds of chickens.

The book is intelligently made and edited; each page shows evidence of care in composition and the choice of type faces is excellent. The index seems adequate, but it is a bother to be referred to the Latin name of an animal after having found the vernacular name (and emphatically so if the Latin name is printed inaccurately, as it is for the howler monkey). The volume and its accompanying LP record can be recommended to everyone who has a professional or lay interest in animal behavior, communication, techniques in recording sounds, methods of analyzing sound recordings, or in any of the groups of animals for which coverage is afforded in the text.—RICHARD F. JOHNSTON.

KANSAS ORNITHOLOGICAL SOCIETY MEMBERSHIP ROLL

Correct as of May 6, 1961

• Sustaining members.

Adams, Mrs. Bertha F., Apt. 4, 208 Columbia St., Council Grove	1956
Alwin, Duane, 118 E. Tenth, Holton	1961
Anderson, Sydney, Dept. Mammals, Amer. Mus. Nat. Hist., New York, N.Y.	1959
Anderson, Ted, 5513 Russell, Mission	1960
Anderson, Vera, Box 172, Beatrice, Nebraska	1959
• Andrews, Ted. F., Dept. Biology, Kansas State Teachers College, Emporia ..	Charter
Atkinson, John Pat, 1625 Indian Trail, Topeka	1956
Beals, E. K., 1310 N. Eleventh, Manhattan	1952
Beals, Mrs. E. K., 1310 N. Eleventh, Manhattan	1953
Beam, Mrs. Harold, 321 Charles, McPherson	1954
Berg, Wm., Dept. Zoology, The University of Kansas, Lawrence	1959
Bertram, Mrs. Allen P., 505 Halladay, Hays	1952
Besco, Paul, 901 Kansas, Holton	1961
• Betts, Amelia J., Baldwin City	Charter
Billings, Charles S., 2733 Highland Ave., Topeka	1961
Billings, Mrs. Charles S., 2733 Highland Ave., Topeka	1961
Blackburn, Lucille, 1021 N. 26th St., Parsons	1955
Boso, Mrs. Andrew, Rt. 2, Box 120, Pittsburg	1956
Boyd, Ivan L., Baker University, Baldwin City	Charter

Boyd, Mrs. Ivan L., Baldwin City	Charter
*Breukelman, John, Kansas State Teachers College, Emporia	1950
Briggs, Mrs. Albert, 1631 S. Wichita	1955
*Butin, Dr. J. Walker, 315 S. Terrace Dr., Wichita 18	1954
Butin, Mrs. J. Walker, 315 S. Terrace Dr., Wichita 18	1959
Butterworth, Bernard B., Dept. Biology, University of Wichita, Wichita	1961
*Carson, L. B., 1306 Lincoln, Topeka	Charter
Carson, Mrs. L. B., 1306 S. Lincoln, Topeka	1950
Challans, Mrs. A. R., St. Mary's of the Plains College, Dodge City	Charter
*Cole, A. Dean, Jr., 5535 Renner Rd., Shawnee	Charter
Cole, Mrs. Elizabeth, 5535 Renner Rd., Shawnee	Charter
Coles, Mrs. Marguerite, 1012 S. Catalpa, Pittsburg	1960
Cordonnier, Mrs. Lorna, 811 E. 12th, Lawrence	1960
Cortelyou, Rushton G., 5109 Underwood Avenue, Omaha 32, Nebraska	1961
Cordray, Paul, 308 N. Olive, Pittsburg	1957
Cordray, Mrs. Paul, 308 N. Olive, Pittsburg	1955
Dailey, Mrs. E. R., 536 W. 7th, Junction City	1955
David, Brother, C. P., Passionist Fathers, St. Paul	1960
*Dingus, Wilson J., Mound City	1950
Dingus, Mrs. Wilson J., Mound City	1950
Dodson, Mrs. George, Niotaze	1956
Duncan, Mrs. Leona G., 1216 S. Emporia, Wichita 11	1961
Elyrod, Dr. James H., 1722 E. Gordon Ave., McPherson	1950
*Ely, Charles A., Dept. of Zoology, Ft. Hays, Kansas State College, Hays	1960
Enos, Eugene, 325 Vermont Ave., Holton	1952
Faddis, Mrs. Ida, 315 North Ohio, Iola	1955
Fechner, Mrs. G. C., 440 West Walnut, Junction City	1960
Fee, Mary, 211 Garfield, Stafford	1953
Finnell, Nell, 211 S.E. Third St., Newton	1953
Fisher, Elizabeth W., 1101 Wayne, Topeka	Charter
Foote, Roberta E., 1101 Wayne, Topeka	Charter
Franklin, Charles H., Jr., 641 Proctor Place, Independence, Mo.	1961
Franklin, Mrs. Charles H., Jr., 641 Proctor Place, Independence, Mo.	1961
Funk, Ruth B., 1158 S. Minneapolis, Wichita 11	1958
Garrett, Mrs. Helen, 2018 Vermont, Lawrence	1960
Gaunt, Abbot S., Museum of Nat. History, University of Kansas, Lawrence	1959
*Gier, Herschel T., Dept. of Zoology, Kansas State University, Manhattan ..	Charter
Gier, Mrs. H. T., 1123 Vattier, Manhattan	Charter
Glendenning, Dr. Blaine, 1217 Mulvane, Topeka	1961
Goode, Mrs. Walton, 626 S. Main, Halstead	1953
Griffith, Sue, Biology Dept., Kansas State Teachers College, Emporia	1957
Hall, E. R., Museum of Natural History, University of Kansas, Lawrence ...	Charter
Hall, Mrs. Mary F., 1637 W. Ninth St., Lawrence	Charter
Harris, Virginia, 1402½ E. Euclid, McPherson	1955
Haughn, Myrtle, 220 W. 21st St., Topeka	1961
Hedges, Harold C., Rt. 2, Lake Quivera, Kansas City 6	Charter
Hepperlen, Dr. C. W., Box 363, Beatrice, Nebraska	1958
*Hiebsch, Mrs. Lucile, 122 N. Crestway, Wichita 8	1955
Hilbish, Madge, 919 Niagara, Burlington	1950
Hobson, C. S., 7 Westwood Road, Lawrence	Charter
Hobson, Mrs. C. S., 7 Westwood Road, Lawrence	Charter
Holcombe, Grace, 834 Mulvane, Topeka	Charter
Holcombe, Lucile, 1118 Quindaro, Kansas City 4	1950
Holmes, Carl S., 1728 N. Sheridan, Wichita 3	1955
Holmes, Mrs. Carl S., 1728 N. Sheridan, Wichita 3	1957
Holmes, David, 1728 N. Sheridan, Wichita 3	1954
*Hunt, D. H., Blue Rapids	1959
*Huxman, Mrs. W. A., 1514 Pembroke Lane, Topeka	1950
Isenberger, Mrs. Robt., 645 W. 61st Terrace, Kansas City 13, Mo.	1952

Janes, Donald W., Washburn University, Topeka	1950
*Johnson, J. C., Jr., Biology Department, Kansas State College, Pittsburg	1957
Johnson, R. Roy, Museum of Natural History, University of Kansas, Lawrence ..	1961
Johnston, R. F., Museum of Natural History, University of Kansas, Lawrence ..	1958
Kaul, Philip G., M.D., 5310 Mission Woods, Shawnee Mission	1961
Keeshan, Lucy, 1327 N. Tenth St., Manhattan	1956
*Kelley, Katharine B., Baldwin City	Charter
Kilby, Daniel S., 3582 West 11th St., Wichita 3	1955
Kingman, Robt. H., 1522 Mulvane, Topeka	1950
Knouse, John A., 1323 Kentucky, Lawrence	1960
Koch, Fritz, 1420 Crescent Road, Apt. 3, Lawrence	1955
Koch, Mrs. Fritz, 1420 Crescent Road, Apt. 3, Lawrence	1954
Kuehn, Marvin, 1612 Burnett Road, Topeka	1959
Lake, Mrs. E. E., 201 W. Washington, Medicine Lodge	1957
LaShelle, Robt. S., 319 Ash St., Junction City	1953
*Latscher, Mrs. Louise, Rt. 4, Manhattan	1960
Leisman, Gilbert A., 1225 Lawrence St., Emporia	1957
Leisman, Mrs. Gilbert A., 1225 Lawrence St., Emporia	1957
Lewis, Eugene R., Keats	1954
Love, Dean R., 145 N. Ridgewood Dr., Wichita 8	1960
Love, Mrs. Dean R., 145 N. Ridgewood Dr., Wichita 8	1960
*Martin, Mrs. C. H., 3162 Shadow Lane, Topeka	1950
*Martin, Doris, 1626 Jewell, Topeka	1961
Maupin, Ural W., 5439 Skiles Road, Kansas City 29, Mo.	1960
Maupin, Mrs. Ural W., 5439 Skiles Road, Kansas City 29, Mo.	1960
Maus, Pearl M., 2026 Seabrook Ave., Topeka	1953
McCaslin, Wallace, Box 5, Kincaid	1954
McDonald, Nathan, 717 E. 58th St. South, Wichita 16	1958
McFarland, Geneva, 1919 Olathe Blvd., Kansas City 3	1951
McHenry, Merrill, Rt. 2, Box 15, Ames	1958
McKaughan, Mrs. Francis, Edgerton	1953
Melton, Mrs. Kathryn, 436 Fieldcrest Drive, Pittsburg	1955
*Menninger, Phil B., 2521 Burnett Road, Topeka	Charter
Miller, R. F., Baldwin City	Charter
Monroe, Mrs. Fern M., Route 1, Altamont	1955
Montgomery, Geo. A., 1144 Wayne, Topeka	1961
Neher, Edna, Dotzour Hall, McPherson	1955
Nelson, T. W., 432 Jewell, Topeka	Charter
Newbolt, Paul, 1355 Mulvane, Topeka	1956
Newbolt, Mrs. Paul, 1355 Mulvane, Topeka	1950
Nossaman, L. O., 1507 Adams, Great Bend	1960
Nossaman, Mrs. L. O., 1507 Adams, Great Bend	1961
Obrist, Sister Jeanette, O.S.B., Mount St., Scholastica College, Atchison ..	1955
O'Connor, Esther L., 4829 Holmes, Kansas City 4, Mo.	Charter
*Parmelee, David F., Dept. of Biology, Kansas State Teachers College, Emporia	1958
Parmelee, Mrs. David, Dept. of Biology, K.S.T.C., Emporia	1958
Patterson, Sara, 707 W. Twelfth, Lawrence	1955
Patton, Mrs. F. J., 318 N. Twelfth, Wymore, Nebraska	1958
Pelzl, Henry, Danville	1961
Pettingill, Olin Sewall, Jr., Lab. of Ornithology, Cornell Univ., Ithaca, N.Y. .	Charter
Platt, Dwight, 724 Illinois, Lawrence	1950
Reeder, Tom, 1430 Polk, Topeka	1961
Rice, Orville O., 1663 W. 28th St. Terrace, Topeka	1952
Rising, Jim, 4406 Sunrise Drive, Kansas City 23, Mo.	1960
Rolfs, Marvin E., 716 Grand Court, Topeka	1952
Rose, Mrs. Ruth, Hertzler Clinic, Halstead	1950
Roth, Stanley D., Jr., 29 Winona Drive, Lawrence	1957
Ruth, Alma, 302 W. Second St., Halstead	1950
Ruth, Edna, 302 W. Second St., Halstead	1950

Schnemayer, Elizabeth, 923 Garfield Ave., Topeka	Charter
Schuler, Mrs. John, 2010 West Tenth, Topeka	1955
Schwinn, Myron, 110 West 15th, Emporia	1961
Sperry, Arthur B., 333 Denison, Manhattan	1953
Sprecher, Mrs. Leah, Rt. 2, Oswego	1961
*Stephens, Homer A., 502 N. Jackson, Pratt	1953
Tatum, Bernice, 1105 Lowell, Kansas City 2	Charter
Teter, Dorothy A., 1158 S. Minneapolis, Wichita 11	1958
Thomas, Lucille, 130 W. Sixth St., Newton	1950
Thompson, Max, Box 960, Anchorage, Alaska	1955
Tollefson, Gary, 508½ Pennsylvania, Holton	1961
Tordoff, Harrison B., Mus. of Zoology, Univ. of Michigan, Ann Arbor, Mich. ..	1951
Turk, Matthew, S.J., St. Mary's College, St. Marys	1961
Volkland, Paul A., Bushton	1954
Volkland, Mrs. Paul A., Bushton	1952
Viehmeyer, Mrs. Glenn, Rt. 4, North Platte, Nebraska	1961
Wackley, Ray, 205 S. Walnut, Olathe	1952
Wahl, Mrs. Katharine B., 2100 W. 71st Terr., Prairie Village	1961
Walsh, Geneva, Wheaton	1961
Watson, Jennibelle, 603 Everett Ave., Wichita 13	1955
Watson, John Leslie, 1319 Tennessee, Lawrence	1961
Watson, Louise A., 603 Everett Ave., Wichita 13	1955
Webster, Mrs. Eunice, Fostoria	1958
Webster, Gladys V., Fostoria	1960
*Wetmore, Alexander, Smithsonian Institution, Washington 25, D.C.	Charter
White, Mary, 218 W. 13th, Junction City	1961
Wiens, A. Wayne, Route 2, Newton	1960
Willis, Mrs. Mabel, Fostoria	1953
Wright, Mrs. Earl, 3542 Wanamaker Road, Topeka	1961

Addenda:

Barlow, Jon C., Mus. of Nat. Hist., Univ. of Kansas, Lawrence	1959
Fauhl, M. J., 1923 Ohio, Lawrence	1957
Fauhl, Mrs. M. J., 1923 Ohio, Lawrence	1957
*Nelson, Mrs. J. H., 935 Avalon Rd., Lawrence	1957
Sauer, Gordon C., 425 E. 63 St., Kansas City 10, Missouri	1956
Voth, Mrs. Willis J., RR 1, Box 33, Walton	1961
*White, Ralph, 318 W. 13 St., Junction City	1958
*White, Mrs. Ralph, 318 W. 13 St., Junction City	1956

NOTES AND NEWS

The Thirteenth Annual Meeting of the Kansas Ornithological Society was held April 29-30, 1961, at Washburn University, Topeka, Kansas. Papers read were: The First Hundred Years, L. B. Carson; Colonies of Great Blue Herons in Kansas, 1961, Ted F. Andrews and H. A. Stephens; Studies on Colonies of Purple Martins, Richard Johnston; Pine Grosbeaks in Kansas, Orville O. Rice; Recent Bird Records from Hays and Vicinity, Charles A. Ely; Transient Shorebirds, David F. Parmelee; Unusual Birds Seen in Southwestern Kansas, Joan Challans; The Red Crossbill in Kansas, Ural W. Maupin; Everglades, Mrs. Ralph White; Are Insecticides and Sprays Depleting Bird Populations?, Herschel Gier, Esther O'Connor, and Abbot Gaunt. Entertainment after the Annual Banquet featured William Booth's movie, "Wildlife of Yellowstone National Park."

The present slate of officers was re-elected for the year 1961-1962.

April 30 broke rainy, cool, and gusty; the following species of birds were seen or heard at least once that morning: Pied-billed Grebe, Great Blue Heron, Green Heron, Black-crowned Night Heron, American Bittern, Snow Goose, Gadwall, Blue-winged Teal, Shoveler, Lesser Scaup, Bufflehead, Common Goldeneye, Turkey Vulture, Cooper Hawk, Red-tailed Hawk, Swainson Hawk, Rough-legged Hawk, Marsh Hawk,

Osprey, Sparrow Hawk, Greater Prairie Chicken, Bobwhite, Sora, American Coot, Killdeer, Common Snipe, Upland Plover, Spotted Sandpiper, Solitary Sandpiper, Greater Yellowlegs, Lesser Yellowlegs, Pectoral Sandpiper, Franklin Gull, Black Tern, Rock Dove, Mourning Dove, Short-eared Owl, Chimney Swift, Yellow-shafted Flicker, Red-bellied Woodpecker, Red-headed Woodpecker, Hairy Woodpecker, Downy Woodpecker, Eastern Kingbird, Western Kingbird, Scissor-tailed Flycatcher, Great-crested Flycatcher, Eastern Phoebe, Traill Flycatcher, Least Flycatcher, Horned Lark, Tree Swallow, Bank Swallow, Rough-winged Swallow, Barn Swallow, Cliff Swallow, Purple Martin, Blue Jay, Common Crow, Black-capped Chickadee, Tufted Titmouse, House Wren, Carolina Wren, Long-billed Marsh Wren, Mockingbird, Catbird, Brown Thrasher, Robin, Swainson Thrush, Eastern Bluebird, Blue-gray Gnatcatcher, Ruby-crowned Kinglet, Cedar Waxwing, Loggerhead Shrike, Starling, Bell Vireo, Solitary Vireo, Philadelphia Vireo, Warbling Vireo, Black and White Warbler, Tennessee Warbler, Orange-crowned Warbler, Nashville Warbler, Parula Warbler, Yellow Warbler, Myrtle Warbler, Blackpoll Warbler, Ovenbird, Yellowthroat, Wilson Warbler, American Redstart, House Sparrow, Eastern Meadowlark, Western Meadowlark, Yellow-headed Blackbird, Red-winged Blackbird, Orchard Oriole, Baltimore Oriole, Brewer Blackbird, Common Grackle, Brown-headed Cowbird, Cardinal, Rose-breasted Grosbeak, Indigo Bunting, Dickcissel, Pine Siskin, American Goldfinch, Pine Grosbeak, Rufous-sided Towhee, Savannah Sparrow, Grasshopper Sparrow, Vesper Sparrow, Lark Sparrow, Slate-colored Junco, Chipping Sparrow, Clay-colored Sparrow, Field Sparrow, Brewer Sparrow, Harris Sparrow, White-crowned Sparrow, White-throated Sparrow, Lincoln Sparrow, Song Sparrow.

The Fall Field Trip will be held in late October in Kansas City in association with the Burroughs Nature Club of Kansas City.—*Ed.*

OFFICERS

President Orville O. Rice, 1663 W. 28th St. Terrace, Topeka, Kansas
 Vice-President Elizabeth Cole, 5535 Renner Rd., Shawnee 1, Kansas
 Secretary Amelia Betts, Baldwin, Kansas
 Treasurer L. B. Carson, 1306 Lincoln, Topeka, Kansas
 Editor Richard F. Johnston, University of Kansas, Lawrence, Kansas
 Assistant Editors Jon C. Barlow, Abbot S. Gaunt

Regular Membership, \$2.00 Student Membership, \$1.00 Sustaining Membership, \$5.00

Dues payable January 1 to the Treasurer

Subscription to the Bulletin is included in any class of membership

Published June 5, 1961