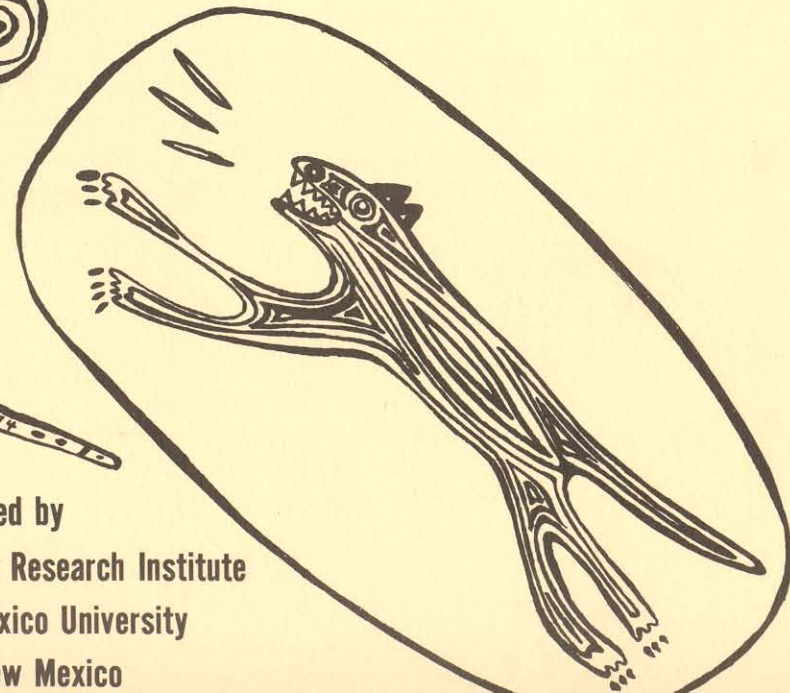
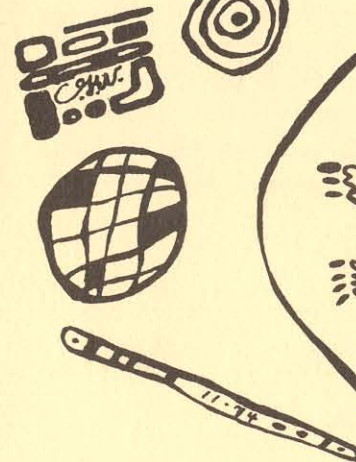
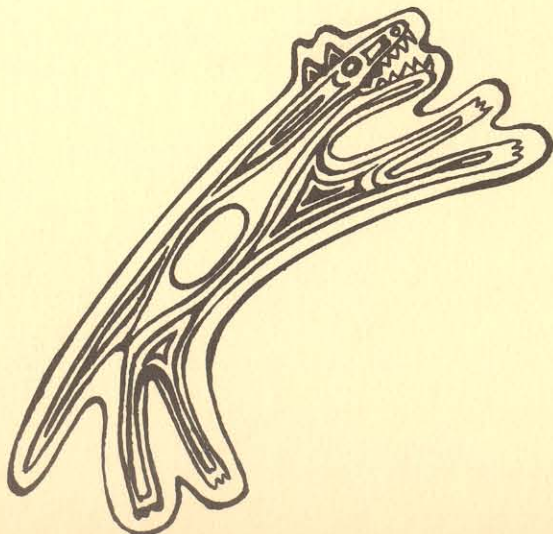
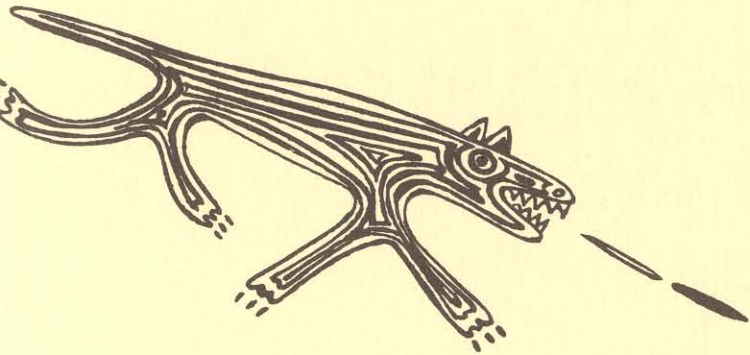


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A Review of Mississippi Mammals

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Michael L. Kennedy, Kenneth N. Randolph,
and Troy L. Best

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ABSTRACT

Distributional records and a working bibliography are presented for the 58 species of mammals reported from Mississippi. Specimens were examined from the Memphis State University Museum of Zoology, the University of Oklahoma Stovall Museum of Science and History, the University of Mississippi Department of Zoology, and the Mississippi Museum of Natural Science. In addition, locality data are provided in the species accounts for 618 specimens representing 37 species from the northern part of the state; available ecological data have been included.

A Review of Mississippi Mammals

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Michael L. Kennedy, Kenneth N. Randolph,
and Troy L. Best¹

INTRODUCTION

Other than Wolfe's (1971) recent work, few published papers record the distribution of Mississippi mammals. Ward's (1965) key to the mammals and Gandy's (1969) preliminary check list of the vertebrates of Mississippi listed the species they assumed were present in the state, but collecting localities and complete data for specimens examined were not included. Some information is available on mammals in parts of central and southern Mississippi (Crain and Cliburn 1965, Ward, Billups, and Lewis 1961, Richmond 1962), and Cook (1945) has reported on the fur resources of the state. Wolfe's (1971) study of Mississippi land mammals included maps that showed counties from which a particular species was previously reported, as well as specimen records from the Mississippi Museum of Natural Sciences, other state institutions, and the National Museum of Natural History. However, in many cases it was not possible to determine where specimens from a particular county were deposited. Very few specimens were reported from northern Mississippi, and Wolfe included only a few references from the literature. Therefore, we have undertaken the present study to: 1) present numerous distributional records from the northern portion of Mississippi; 2) provide a review of distributional records for the state; and 3) present a working bibliography for future investigators.

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MATERIALS AND METHODS

Our study is based on the examination of 618 specimens from 12 counties (*De Soto, Marshall, Benton, Tippah, Alcorn, Tishomingo, Panola, Lafayette, Pontotoc, Lee, Issaquena, Adams*) collected from 1937 to 1972. Specimens are housed in the Memphis State University Museum of Zoology, Memphis, Tennessee, unless otherwise indicated. Some are deposited in the University of Oklahoma Stovall Museum of Science and History, Norman, Oklahoma (UOMZ); the University of Mississippi Department of Zoology, University, Mississippi (UM); and the Mississippi Museum of Natural Sciences, Jackson, Mississippi (MMNS). Ecological information has been provided when available, and the mammalian species are arranged in the species accounts according to Hall and Kelson (1959). Counties are listed from west to east and north to south.

Localities in "Additional records" are from Wolfe (1971) unless otherwise indicated. If a county record is cited by Wolfe (1971) and another author, both are included following the county. When a county record is cited from one author and a specific locality from another they are cited separately, e.g., *Hinds Co.* (Wolfe 1971): Camp Kickapoo (Ward, Billups, and Lewis 1961). Specimens from Washington, where the county was not mentioned in the citation, are indicated by enclosing Washington in brackets following *Adams Co.* Fractions of miles have been converted to decimals.

ACCOUNTS OF SPECIES

Order Marsupialia, Marsupials

Family Didelphidae, Opossums

Didelphis virginiana Kerr

Opossum

Specimens examined, 11.—*De Soto Co.*: Mineral Wells, 1; 8 mi. N Nesbit, 1; 1.5 mi. S Lewisburg, 1; 5 mi. S Hernando, 1; 4.5 mi. W Aldens, 1; 1 mi. W Aldens, 3; Arkabutla Refuge, 1. *Tishomingo Co.*:

Tennessee River Area, 1 (MMNS). *Lee Co.*: 2.5 mi. NE Shannon, 1 (UM).

Additional records.—Cook (1945) reported Opossum pelts from all Mississippi counties except Chickasaw Co. *Tishomingo Co.* (Allison 1907, Wolfe 1971). *Union Co. Bolivar Co. Sunflower Co.*: near Colony Town (Yeager 1941). *Calhoun Co. Webster Co.* (Yeager 1936, 1937). *Clay Co. Oktibbeha Co. Lowndes Co. Noxubee Co. Yazoo Co. Madison Co. Neshoba Co. Warren Co.* (Wolfe 1971): Blakely (Ward, Billups, and Lewis 1961); Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961). *Hinds Co.* (Wolfe 1971): Camp Kickapoo (Ward, Billups, and Lewis 1961). *Adams Co.*: [Washington] (Baird 1857). *Lincoln Co. Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co. Stone Co. Hancock Co.*: Bay St. Louis (J. A. Allen 1901).

Order Insectivora, Insectivores

Family Soricidae, Shrews

Sorex longirostris Bachman

Southeastern Shrew

Specimens examined, none.

Additional records.—*Leflore Co.*: Greenwood, approximately 85 mi. NW Morton (Jones and Long 1961). *Warren Co.*: Blakely (Ward, Billups, and Lewis 1961). *Scott Co.*: Bienville National Forest, 0.6 mi. E of the corporate limits of Morton (Jones and Long 1961). *Franklin Co.* (Wolfe 1971): Homochitto National Forest (Negus and Dundee 1965). *Jones Co.* (Cook 1942, Wolfe 1971). *Wayne Co.* (Cook 1942, Wolfe 1971). *Wilkinson Co.* (Cook 1942, Wolfe 1971).

Blarina brevicauda (Say)

Short-tailed Shrew

General remarks.—Most of the 17 specimens examined were collected near forest edges, in brushy areas, and around honeysuckle vines, often in the same trapline with *Mus*, *Microtus*, *Peromyscus*, and *Sigmodon*.

Specimens examined, 17.—*De Soto Co.*: 2 mi. E Horn Lake, 1; Mineral Wells, 4; 7 mi. N Nesbit, 1; 6 mi. N Nesbit, 1; 5 mi. N Nesbit, 2; 1.5 mi. NW Nesbit, 1; 3 mi. E Hernando, 1; 3.5 mi. E Glover, 1. *Tippah*

Co.: Gillard Farm, 3 (MMNS). *Lee Co.*: 3.5 mi. NE Shannon, 2 (UM).

Additional records.—*Tippah Co.* *Tishomingo Co.* *Prentiss Co.* *Coahoma Co.* *Pontotoc Co.* *Lee Co.* *Bolivar Co.*: Rosedale (Lowery 1943). *Chickasaw Co.* *Monroe Co.* *Clay Co.* *Washington Co.* (Wolfe 1971): [Washington] (Lowery 1943). *Oktibbeha Co.* *Lowndes Co.* *Holmes Co.* *Attala Co.* *Winston Co.* *Yazoo Co.* *Madison Co.* *Warren Co.* (Wolfe 1971): Blakely (Ward, Billups, and Lewis 1961; Ward, Boone, and Ross 1961); Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961; Ward, Boone, and Ross 1961). *Hinds Co.* (Wolfe 1971): Camp Kickapoo (Ward, Billups, and Lewis 1961; Ward, Boone, and Ross 1961). *Rankin Co.* *Lauderdale Co.* *Copiah Co.* *Simpson Co.* *Clarke Co.* *Adams Co.* (Wolfe 1971): Washington (Merriam 1895, Poole and Schantz 1942). *Lincoln Co.* *Jones Co.* *Wayne Co.* *Wilkinson Co.* *Pike Co.* *Lamar Co.* (Crain and Cliburn 1965, Wolfe 1971). *Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co.* *Hancock Co.* *Harrison Co.* (Wolfe 1971): Biloxi (Lowery 1943).

Cryptotis parva (Say)

Least Shrew

Specimens examined, 11.—*Tippah Co.*: Gillard Farm, 7 (MMNS). *Tishomingo Co.*: Carpenter's Cemetery Area, 1 (MMNS). *Lafayette Co.*: Knight Woods, Taylor, 1 (UM). *Lee Co.*: Shannon, 2 (UM).

Additional records.—*Tippah Co.* *Tishomingo Co.* *Prentiss Co.* *Coahoma Co.* *Lee Co.* *Bolivar Co.* *Chickasaw Co.* *Clay Co.* *Washington Co.* *Oktibbeha Co.* *Lowndes Co.* *Holmes Co.* *Winston Co.* *Yazoo Co.* *Warren Co.* *Hinds Co.* *Rankin Co.* *Lauderdale Co.* *Copiah Co.* *Adams Co.* (Wolfe 1971): [Washington] (Baird 1857). *Lincoln Co.* *Jones Co.* *Wayne Co.* *Pike Co.* *Lamar Co.* (Crain and Cliburn 1965, Wolfe 1971). *Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co.* *Harrison Co.*

Family Talpidae, Moles

Scalopus aquaticus (Linnaeus)

Eastern Mole

General remarks.—The Eastern Mole appeared common in old fields that were covered with grass and weeds.

Specimens examined, 7.—*De Soto Co.*: Nesbit, 1. *Marshall Co.*: 2 mi. W Potts Camp, 1 (UOMZ). *Tishomingo Co.*: 3 mi. W Burnsville, 1 (MMNS). *Lee Co.*: 4.5 mi. NE Shannon, 3 (UM); Joe Kennedy Farm, 4 mi. NE Shannon, 1 (UM).

Additional records.—Mississippi (Bachman and Charleston 1842). *Tishomingo Co.* *Prentiss Co.* *Pontotoc Co.* *Lee Co.* *Itawamba Co.* *Montgomery Co.* *Webster Co.* (Yeager 1937). *Clay Co.* (Wolfe 1971): Cedarbluff (Jackson 1915). *Washington Co.* *Oktibbeha Co.* *Lowndes Co.* *Holmes Co.* *Winston Co.* *Yazoo Co.* *Madison Co.* *Neshoba Co.* *Kemper Co.* (Baird 1857, Jackson 1915, Wolfe 1971). *Warren Co.* (Wolfe 1971): Blakely (Ward, Billups, and Lewis 1961); Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961). *Hinds Co.* *Lauderdale Co.* *Copiah Co.* *Adams Co.* (Wolfe 1971): [Washington] (Baird 1857, True 1896, Jackson 1915). *Lincoln Co.* *Jones Co.* *Wayne Co.* *Pike Co.* *Lamar Co.* *Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co.* *Hancock Co.* (Wolfe 1971): Bay St. Louis (Jackson 1915). *Harrison Co.* (Wolfe 1971): Biloxi (True 1896, Jackson 1915).

Order Chiroptera, Bats

Family Vespertilionidae, Vespertilionid Bats

Myotis lucifugus (Le Conte)

Little Brown Myotis

Specimens examined, 2.—*Panola Co.*: Tallahatchie River, 2 (MMNS).

Additional records.—*Wayne Co.* (Wolfe 1971): Pitts Cave, 7 mi. N Waynesboro (LaVal 1967).

Myotis austroriparius (Rhoads)

Southeastern Myotis

General remarks.—Our specimen is a male collected 30 June 1972.

Specimens examined, 1.—*Tishomingo Co.*: Chalk Mine, 4 mi. E Iuka, 1.

Additional records.—*Tishomingo Co.* (LaVal 1970, Wolfe 1971): Chalk Mine, 4 mi. E Iuka (LaVal 1967); Tennessee River Area (LaVal 1967). *Panola Co.* (LaVal 1970, Wolfe 1971): 15 mi. W Oxford (LaVal

1967). *Lafayette Co.* (LaVal 1970, Wolfe 1971): 15 mi. E Oxford (LaVal 1967). *Jones Co.* (LaVal 1970, Wolfe 1971): Indian Springs (LaVal 1967). *Wayne Co.* (LaVal 1970, Wolfe 1971): Pitts Cave, 7 mi. N Waynesboro (LaVal 1967).

Myotis grisescens A. H. Howell

Gray Myotis

General remarks.—The two citations below may refer to the same collecting locality.

Specimens examined, none.

Additional records.—*Tishomingo Co.* (Wolfe 1971): “an abandoned silica mine between Iuka and Eastport, Mississippi, and near Pickwick Lake” (White 1961); Chalk Mine, 4 mi. E Iuka (LaVal 1967).

Myotis keenii (Merriam)

Keen's Myotis

General remarks.—The two citations below may refer to the same collecting locality.

Specimens examined, none.

Additional records.—*Tishomingo Co.* (Wolfe 1971): “an abandoned silica mine between Iuka and Eastport, Mississippi, and near Pickwick Lake” (White 1961); Chalk Mine, 4 mi. E Iuka (LaVal 1967); Tennessee River Area (LaVal 1967).

Myotis sodalis Miller and G. M. Allen

Indiana Myotis

Specimens examined, none.

Additional records.—*Tishomingo Co.* (Wolfe 1971): Chalk Mine, 4 mi. E Iuka (LaVal 1967); Tennessee River Area (LaVal 1967).

Pipistrellus subflavus (F. Cuvier)

Eastern Pipistrelle

General remarks.—Our specimen from Benton Co. is a male collected in a sandstone cave.

Specimens examined, 4.—*Benton Co.*: 5 mi. N Hickory Flat, 1 (UOMZ). *Tishomingo Co.*: 3 mi. NW Burnsville, 1 (MMNS); Chalk Mine, 4 mi. E Iuka, 2.

Additional records.—*Tishomingo Co.* (Wolfe 1971): silica mine, near Eastport (Davis 1959); an abandoned silica mine between Iuka and Eastport, near Pickwick Lake (White 1961). *Union Co.*: near New Albany (Davis 1959). *Oktibbeha Co.* *Winston Co.* *Noxubee Co.* *Yazoo Co.* *Hinds Co.* *Adams Co.*: [Washington] (Miller 1897). *Jones Co.* *Wayne Co.* (Crain and Cliburn 1965, Wolfe 1971), Pitts Cave, 6 mi. NW Waynesville (Davis 1959). *Wilkinson Co.* *Hancock Co.*: Bay St. Louis (Davis 1959).

Eptesicus fuscus (Palisot de Beauvois)

Big Brown Bat

Specimens examined, none.

Additional records.—Mississippi (H. Allen 1864). *Lafayette Co.* *Oktibbeha Co.* *Lowndes Co.* *Yazoo Co.* *Warren Co.* *Hinds Co.* *Lincoln Co.* *Jones Co.* *Wayne Co.* *Pearl River Co.* *Stone Co.* *Hancock Co.* (Wolfe 1971): Bay St. Louis (Miller 1897).

Lasiurus borealis (Müller)

Red Bat

Specimens examined, 3.—*Lafayette Co.*: 4 mi. S Laws Hill, 1; W. S. Quick Place, 10 mi. NE Oxford, 2 (UM).

Additional records.—*Tishomingo Co.* (Allison 1907, Wolfe 1971). *Lafayette Co.* *Bolivar Co.* *Chickasaw Co.* *Washington Co.* *Oktibbeha Co.* *Lowndes Co.* (Wolfe 1971): Columbus (H. Allen 1864, 1893). *Winston Co.* *Noxubee Co.* *Yazoo Co.* *Madison Co.* *Warren Co.* *Hinds Co.* *Rankin Co.* *Lauderdale Co.* *Simpson Co.* *Smith Co.* *Adams Co.* (Wolfe 1971): [Washington] (H. Allen 1864, 1893, Miller 1897). *Lawrence Co.*: Monticello (H. Allen 1864, 1893). *Jones Co.* *Wilkinson Co.* *Forrest Co.* *Pearl River Co.* *Hancock Co.* (Miller 1897). *Harrison Co.*

Lasiurus seminolus (Rhoads)

Seminole Bat

Specimens examined, none.

Additional records.—Noxubee Co. Hinds Co. Newton Co. Covich Co. Adams Co. Lincoln Co. Jones Co. Wayne Co. Forrest Co. Hancock Co.: Bay St. Louis (Miller 1897). Harrison Co.

Lasiurus cinereus (Palisot de Beauvois)

Hoary Bat

Specimens examined, none.

Additional records.—Oktibbeha Co. Madison Co.

Lasiurus intermedius H. Allen

Yellow Bat

Specimens examined, none.

Additional records.—Warren Co. Hancock Co. (Miller 1897, Hamilton 1943).

Nycticeius humeralis (Rafinesque)

Evening Bat

Specimens examined, 2.—De Soto Co.: 15 mi. S Memphis, 1. Marshall Co.: 6 mi. W Bethlehem, 1.

Additional records.—Sunflower Co. Oktibbeha Co. Lowndes Co. Yazoo Co. Warren Co. Lauderdale Co. Covich Co. Smith Co. Adams Co. (Wolfe 1971): [Washington] (Miller 1897). Franklin Co.: Clear Springs, Homochitta State Park (Jones 1967). Lincoln Co. Jones Co. Wayne Co. Wilkinson Co. Forrest Co. Perry Co. (Crain and Cliburn 1965, Wolfe 1971). Pearl River Co. Hancock Co. (Wolfe 1971): Bay St. Louis (Miller 1897). Harrison Co.

Plecotus rafinesquii Lesson

Rafinesque's Big-eared Bat

Specimens examined, none.

Additional records.—Panola Co. Lowndes Co. Yazoo Co. Kemper Co. (H. Allen 1864, 1893; Handley 1959). Rankin Co. Wayne Co. Wilkinson Co. Pearl River Co. Hancock Co. (Wolfe 1971): Westville (Howell 1909, Handley 1959); Bay St. Louis (Miller 1897, Handley 1959).

Family Molossidae, Free-tailed Bats

Tadarida brasiliensis (L. Geof. St.-Hilaire)

Brazilian Free-tailed Bat

Specimens examined, none.

Additional records.—Warren Co. Hinds Co. Lauderdale Co. Covich Co. Lincoln Co. Jones Co. Wayne Co. (Crain and Cliburn 1965, Wolfe 1971). Pike Co. Lamar Co. Forrest Co. (Crain and Cliburn 1965, Wolfe 1971). Perry Co. (Crain and Cliburn 1965, Wolfe 1971). Pearl River Co. Harrison Co.

Order Edentata, Sloths, Anteaters and Armadillos

Family Dasypodidae, Armadillos

Dasypus novemcinctus Linnaeus

Nine-banded Armadillo

General remarks.—Hardberger (1950) indicated that the Nine-banded Armadillo was an extreme rarity east of the Mississippi River. The species has now been reported from eight counties east of the Mississippi River between Vicksburg and Baton Rouge (Louisiana) by Fitch *et al.* (1952) and from many areas of southern Mississippi (Cleveland 1970). The specimen we examined was collected 2 August 1971.

Specimens examined, 1.—Marshall Co.: Callicutt Farm, 10 mi. SE Waterford, 1 (MMNS).

Additional records.—The following records are from Fitch *et al.* (1952) unless otherwise indicated. *Tallahatchie Co.* *Oktibbeha Co.* (Wolfe 1971). *Lowndes Co.* (Wolfe 1971). *Madison Co.* (Wolfe 1971). *Hinds Co.* *Claiborne Co.* *Copiah Co.* *Jefferson Co.* *Adams Co.* *Wilkinson Co.* *Lamar Co.* (Crain and Cliburn 1965, Wolfe 1971). *Forrest Co.* (Wolfe 1971): Hattiesburg.

Order Lagomorpha, Hares, Rabbits, and Pikas

Family Leporidae, Rabbits and Hares

Sylvilagus floridanus (J. A. Allen)

Eastern Cottontail

General remarks.—The four specimens from De Soto Co. were collected in dense grassy areas and blackberry thickets.

Specimens examined, 5.—*De Soto Co.*: Mineral Wells, 1; 4 mi. E Walls, 1; 0.5 mi. W Lewisburg, 1; 2.5 mi. E Hernando, 1. *Tishomingo Co.*: Frank Lomhust Woods, 2.5 mi. NE Burnsville, 1 (UM).

Additional records.—*Marshall Co.* (Wolfe 1971): Holly Springs (Nelson 1909, Howell 1909). *Benton Co.* (Wolfe 1971): Michigan City (Nelson 1909, Howell 1909, Hall 1951b). *Tishomingo Co.* (Allison 1907). *Lafayette Co.* *Chickasaw Co.* *Webster Co.* (Yeager 1937, Wolfe 1971). *Clay Co.* *Oktibbeha Co.* *Winston Co.* *Yazoo Co.* *Kemper Co.* *Warren Co.* *Rankin Co.* *Lauderdale Co.* *Copiah Co.* *Simpson Co.* *Jefferson Co.* (Wolfe 1971): Fayette (Nelson 1909, Howell 1909). *Adams Co.* (Wolfe 1971): [Washington] (Baird 1857). *Lincoln Co.* *Jones Co.* *Lamar Co.* (Crain and Cliburn 1965, Wolfe 1971). *Forrest Co.* *Hancock Co.* (Wolfe 1971): Bay St. Louis (Nelson 1909, Hall 1951b). *Harrison Co.* *Jackson Co.*: Horn Island (Richmond 1962).

Sylvilagus aquaticus (Bachman)

Swamp Rabbit

Specimens examined, 3.—*Marshall Co.*: Tallahatchie bottomland, 7.5 mi. SW Potts Camp at (old) Horn's Ferry, 1 (MMNS). *Tishomingo Co.*, 1 (MMNS): Yellow Creek Botton, 2.5 mi. NE Burnsville, 1 (UM).

Additional records.—*Benton Co.*: Michigan City (Howell 1909). *Tishomingo Co.* (Allison 1907, Wolfe 1971). *Bolivar Co.* *Chickasaw Co.* *Webster Co.* (Yeager 1937). *Clay Co.* *Lowndes Co.* *Winston Co.* *Warren Co.* (Nelson 1909, Wolfe 1971). *Lauderdale Co.* *Copiah Co.* *Jasper Co.*: Garlandville (Nelson 1909). *Adams Co.*: [Washington] (J.A. Allen 1877). *Jones Co.* *Forrest Co.* *Hancock Co.* (Wolfe 1971): Bay St. Louis (Nelson 1909). *Harrison Co.* *Jackson Co.*: Horn Island (Richmond 1962).

Order Rodentia, Rodents

Family Sciuridae, Squirrels and Relatives

Tamias striatus (Linnaeus)

Eastern Chipmunk

General remarks.—According to Hall and Kelson (1959) the range of this species does not include northern Mississippi. However, two specimens were collected in De Soto Co.; the first in a wooded area along a well traveled run on the side of a ditch bank (2.5 mi. NE Hernando); and the second as it crossed a heavily traveled highway (2 mi. N Walls). *Peromyscus*, *Microtus*, *Mus*, and *Blarina* were also collected in these areas.

Specimens examined, 2.—*De Soto Co.*: 2 mi. N Walls, 1; 2.5 mi. NE Hernando, 1.

Additional records.—*Benton Co.*: 5 mi. SW Michigan City (Howell 1909). *Tishomingo Co.* (Allison 1907, Wolfe 1971). *Coahoma Co.* *Quitman Co.* *Bolivar Co.* (Lowery 1943, Wolfe 1971). *Sunflower Co.* *Webster Co.* (Yeager 1937). *Clay Co.* *Washington Co.*: [Washington] (Lowery 1943). *Holmes Co.* *Yazoo Co.* *Kemper Co.* *Warren Co.* (Wolfe 1971): Blakely (Ward, Billups, and Lewis 1961); Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961); 2 mi. S Vicksburg (Lowery 1943). *Lauderdale Co.* *Copiah Co.* *Adams Co.* (Wolfe 1971): Foster (Howell 1929, Lowery 1943); Washington (Howell 1909, 1929); Natchez (Howell 1909). *Lincoln Co.* *Lawrence Co.*: Monticello (Merriam 1886). *Jones Co.* *Wilkinson Co.* (Wolfe 1971): Tunica Hills (Lowery 1943).

Marmota monax (Linnaeus)

Woodchuck

Specimens examined, 2.—*Tishomingo Co.*: 13 mi. N Burnsville, 1 (MMNS); 10 mi. S Burnsville, 1 (UM).

Additional records.—*Tishomingo Co. Lowndes Co. Noxubee Co.* (Wolfe 1971): near Bigbee Valley (T16N, R19E, Lot 4) (Ferguson 1962).

Sciurus carolinensis Gmelin

Gray Squirrel

Specimens examined, 12.—*De Soto Co.*: Horn Lake, 2; 0.5 mi. W Nesbit, 1; 3 mi. SE Lewisburg, 1; 6.5 mi. W Aldens, 1; Western De Soto County, 2 (MMNS). *Marshall Co.*: Hwy. 7 at Waterford, 1; 1 mi. S Laws Hill, 2. *Tishomingo Co.*: 10 mi. NE Burnsville, 1 (MMNS). *Panola Co.*: Tallahatchie Bottom, 15 mi. W Oxford, 1 (UM).

Additional records.—Mississippi (Burt 1960). *De Soto Co. Marshall Co. Benton Co.*: Michigan City (Howell 1909). *Tishomingo Co.* (Allison 1907, Wolfe 1971). *Panola Co. Lafayette Co. Lee Co. Bolivar Co. Monroe Co. Grenada Co. Montgomery Co. Webster Co.* (Yeager 1937). *Oktibbeha Co. Lowndes Co. Holmes Co. Winston Co. Noxubee Co. Yazoo Co. Madison Co. Leake Co. Neshoba Co. Kemper Co. Warren Co.* (Wolfe 1971): Blakely (Ward, Billups, and Lewis 1961); Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961). *Hinds Co.* (Wolfe 1971): Camp Kickapoo (Ward, Billups, and Lewis 1961). *Lauderdale Co. Claiborne Co. Copiah Co. Clarke Co. Adams Co.*: [Washington] (Howell 1909). *Lincoln Co.* (Wolfe 1971): Brookhaven (J. A. Allen 1877). *Lawrence Co.*: Monticello (Baird 1857). *Wayne Co. Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co. Hancock Co.* (Wolfe 1971): Bay St. Louis (Howell 1909). *Harrison Co. Jackson Co.*

Sciurus niger Linnaeus

Fox Squirrel

Specimens examined, 17.—*Marshall Co.*: 7 mi. S Waterford, 3; Cliff Edlin Farm, 1.5 mi. SE Laws Hill, 2. *Tishomingo Co.*: 18 mi. NE

Burnsville, 1 (MMNS); 8 mi. N Burnsville, 2 (MMNS); Tie Company Woods, 8 mi. NE Burnsville, 2 (UM). *Panola Co.*: 2 mi. SW Sardis, 5; Tallahatchie Bottom, 15 mi. W Oxford, 1 (UM). *Lafayette Co.*, 1 (UM).

Additional records.—*De Soto Co. Marshall Co. Benton Co.* (Wolfe 1971): Michigan City (Howell 1909). *Tishomingo Co. Panola Co. Lafayette Co. Pontotoc Co. Sunflower Co.*: Moorhead (Lowery and Davis 1942). *Tallahatchie Co.*: Minter City (Hall and Kelson 1959). *Chickasaw Co. Grenada Co. Montgomery Co. Webster Co.* (Yeager 1937). *Clay Co. Washington Co. Oktibbeha Co. Holmes Co. Winston Co. Noxubee Co.* (Wolfe 1971): Brooksville (Lowery and Davis 1942). *Yazoo Co. Madison Co. Kemper Co. Warren Co.* (Wolfe 1971): Blakely (Ward, Billups, and Lewis 1961); Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961). *Hinds Co.* (Wolfe 1971): Camp Kickapoo (Ward, Billups, and Lewis 1961). *Rankin Co. Lauderdale Co. Claiborne Co. Adams Co.* (Wolfe 1971): Natchez (J. A. Allen 1877). *Lincoln Co.*: Brookhaven (J. A. Allen 1877). *Wayne Co. Wilkinson Co.*: Centreville (Lowery and Davis 1942); 5 mi. N Woodville (Lowery and Davis 1942). *Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Perry Co. Pearl River Co. George Co. Hancock Co.* (Wolfe 1971): Bay St. Louis (Osgood 1907). *Harrison Co. Jackson Co.*

Glaucomys volans (Linnaeus)

Southern Flying Squirrel

Specimens examined, 8.—*Tippah Co.*: Gillard Farm, 1 (MMNS). *Tishomingo Co.*: White House Rd. Area, 1 (MMNS); Tennessee River Area, 1 (MMNS); Tie Company Woods, 6 mi. N Burnsville, 2; Earl Albred Woods, 3 mi. NW Burnsville, 1 (UM). *Lafayette Co.*: Yocona Bottom, Knight Woods, 2 mi. E Taylor, 1 (UM). *Lee Co.*: Stebbs Area, Gower Farm, 1 (MMNS).

Additional records.—*Tippah Co. Tishomingo Co. Coahoma Co. Panola Co. Lee Co. Chickasaw Co. Grenada Co. Webster Co.* (Yeager 1937). *Clay Co. Washington Co. Oktibbeha Co. Lowndes Co.* (Wolfe 1971): Columbus (Baird 1857, J. A. Allen 1877, Howell 1909, 1918). *Winston Co. Yazoo Co. Madison Co. Neshoba Co. Warren Co.* (Wolfe 1971): Blakely (Ward, Billups, and Lewis 1961). *Rankin Co. Lauderdale*

dale Co. Copiah Co. Clarke Co. Adams Co. (Wolfe 1971): [Washington] (Howell 1909, 1918). *Lincoln Co. Covington Co. Jones Co. Pike Co. Marion Co. Lamar Co. Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co. Hancock Co. Harrison Co. Jackson Co.*

Family Castoridae, Beavers

Castor canadensis Kuhl

Beaver

Specimens examined, 1.—*Marshall Co.*: Flooded bottomland near the junction of the Tippah and Tallahatchie Rivers, 1.

Additional records.—*Marshall Co.* (Cook 1945). *Tunica Co.*: Hudson's Ferry (Hallock 1877). *Panola Co.* (Cook 1945). *Lafayette Co.* (Cook 1945, Wolfe 1971). *Union Co.* (Cook 1945). *Choctaw Co. Oktibbeha Co. Lowndes Co. Winston Co. Noxubee Co. Kemper Co.* (Cook 1945, Wolfe 1971). *Hinds Co. Lauderdale Co.* (Cook 1945, Wolfe 1971). *Copiah Co. Adams Co.*: Kingston (Hallock 1877). *Franklin Co.* (J. A. Allen 1877). *Wayne Co.* (Crain and Cliburn 1965, Wolfe 1971). *Amite Co.* (Cook 1945, Wolfe 1971).

Family Cricetidae, Cricetids

Oryzomys palustris (Harlan)

Marsh Rice Rat

General remarks.—The five specimens we collected were on grass and weed covered hillsides, and along marshy areas.

Specimens examined, 5.—*De Soto Co.*: 3.5 mi. S Hernando, 1; 3.5 mi. SE Walls, 1; Church Road, 1 mi. E Hwy. 61, 1; 3 mi. E Glover, 1; 0.75 mi. SE Glover, 1.

Additional records.—*Coahoma Co. Bolivar Co. Washington Co. Oktibbeha Co. Lowndes Co. Holmes Co. Attala Co. Winston Co. Yazoo Co. Madison Co. Lauderdale Co. Copiah Co. Clarke Co. Jefferson Co.* (Wolfe 1971): Fayette (Howell 1909, Goldman 1918). *Jones Co. Wayne Co. Wilkinson Co. Pike Co. Forrest Co. Stone Co. Harrison Co.* (Wolfe 1971): Biloxi (Goldman 1918).

Reithrodontomys humulis (Audubon and Bachman)

Eastern Harvest Mouse

General remarks.—Grass, weeds, honeysuckle vines, and blackberry thickets were abundant at our De Soto Co. collecting site. Specimens were collected in the same trapline with *Mus* and *Microtus*.

Specimens examined, 9.—*De Soto Co.*: 2 mi. S Cockrum, 3. *Tippah Co.*: Gillard Farm, 5 (MMNS). *Pontotoc Co.*: Black Zion Area, 1 (MMNS).

Additional records.—*Tippah Co. Tishomingo Co. Lafayette Co. Pontotoc Co. Lee Co. Chickasaw Co. Monroe Co. Oktibbeha Co. Lowndes Co. Holmes Co. Winston Co. Madison Co. Hinds Co. Lauderdale Co. Copiah Co. Adams Co. Lincoln Co. Jones Co. Wayne Co. Pike Co. Lamar Co.* (Crain and Cliburn 1965, Wolfe 1971). *Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co. Stone Co. Harrison Co.*

Reithrodontomys fulvescens J.A. Allen

Fulvous Harvest Mouse

Specimens examined, none.

Additional records.—*Bolivar Co. Holmes Co. Neshoba Co. Hinds Co. Copiah Co.* (Miller and Robertson 1950, Wolfe 1971): Burnell (Hooper 1952). *Adams Co.* (Wolfe 1971): Washington (Miller and Robertson 1950). *Lincoln Co. Pike Co. Lamar Co.* (Crain and Cliburn 1965, Wolfe 1971). *Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971).

Peromyscus maniculatus (Wagner)

Deer Mouse

General remarks.—In 1961, Ward, Billups, and Lewis reported the Deer Mouse in Warren Co. and Hinds Co. Ward (1965) later indicated that *P. maniculatus* did not occur in the state, but Gandy (1969) included this species in his listing of Mississippi mammals.

Specimens examined, none.

Additional records.—*Warren Co.*: Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961). *Hinds Co.*: Camp Kickapoo (Ward, Billups, and Lewis 1961).

Peromyscus polionotus (Wagner)

Oldfield Mouse

Specimens examined, none.

Additional records.—*Tishomingo Co.* (Gandy 1969, Wolfe 1971). *Lowndes Co.*

Peromyscus leucopus (Rafinesque)

White-footed Mouse

General remarks.—The species appears to be the most widely distributed *Peromyscus* in northern Mississippi. It was collected predominantly in or near wooded areas and in brushy and grassy areas around grain fields along with *Sigmodon*, *Mus*, *Microtus*, and *Blarina*.

Specimens examined, 94.—*De Soto Co.*: 2.5 mi. W Walls, 2; 3.25 mi. S Lynchburg, 2; 2 mi. NE Olive Branch, 1; 5 mi. SE Olive Branch, 1; 2 mi. N Pleasant Hill, 3; 2 mi. S Pleasant Hill, 2; 4 mi. SW Pleasant Hill, 1; 5 mi. N Nesbit, 5; 3 mi. N Nesbit, 1; 2 mi. N Nesbit, 3; 1.5 mi. NE Nesbit, 1; 0.5 mi. W Nesbit, 6; 0.5 mi. E Nesbit, 1; 4 mi. E Penton, 1; 5 mi. E Penton, 2; 1.5 mi. W Eudora, 3; 2 mi. N Lewisburg, 1; 1.5 mi. E Lewisburg, 1; 2 mi. E Lewisburg, 1; 3 mi. E Hernando, 2; 2.5 mi. S Hernando, 1; 4 mi. S Hernando, 2; 5 mi. S Hernando, 1; 2.5 mi. NW Love, 4; 2.5 mi. W Love, 6; 3 mi. SW Love, 2; 4 mi. SW Love, 4; 2.5 mi. NE Norfolk, 1; 0.5 mi. E Norfolk, 3; 0.5 mi. W Plum Point, 1; 0.333 mi. W Plum Point, 2; 2.25 mi. E Glover, 2. *Marshall Co.*: 5 mi. NW Mt. Pleasant, 7 (UOMZ); 3 mi. NW Mt. Pleasant, 2 (UOMZ); 2 mi. W Potts Camp, 2 (UOMZ); 3 mi. E Laws Hill, 6 (UOMZ). *Tishomingo Co.*: Deurey Blapney's Woods, 4.5 mi. N Burnsville, 1 (UM); Blue Bill Springs, 3 (MMNS); White House Rd. Area, 2 (MMNS); Butler Hills, 1 (MMNS). *Lee Co.*: Town Creek Bottom, 3.5 mi. NE Shannon, 1 (UM).

Additional records. *Tippah Co.* *Tishomingo Co.* (Allison 1907, Wolfe 1971). *Tunica Co.* *Prentiss Co.* *Coahoma Co.* *Lafayette Co.* (Wolfe 1971): Oxford (Coues and J. A. Allen 1877). *Pontotoc Co.* *Lee Co.* *Bolivar Co.* *Chickasaw Co.* *Monroe Co.* *Clay Co.* *Washington Co.* *Oktibbeha Co.* *Lowndes Co.* *Holmes Co.* *Attala Co.* *Winston Co.* *Yazoo Co.* *Kemper Co.* (Coues and J.A. Allen 1877, Wolfe 1971). *Warren Co.* (Wolfe 1971): Blakely (Ward, Billups, and Lewis 1961); Bluff Forest

Experiment Station (Ward, Billups, and Lewis 1961). *Hinds Co.* (Wolfe 1971): Camp Kickapoo (Ward, Billups, and Lewis 1961). *Rankin Co.* *Lauderdale Co.* *Copiah Co.* *Simpson Co.* *Clarke Co.* *Adams Co.* (Wolfe 1971): [Washington] (Coues and J. A. Allen 1877, Osgood 1909). *Lincoln Co.* *Jones Co.* *Wayne Co.* *Wilkinson Co.* *Pike Co.* *Lamar Co.* *Forrest Co.* *Pearl River Co.* *Stone Co.* *Harrison Co.*

Peromyscus gossypinus (Le Conte)

Cotton Mouse

General remarks.—In De Soto Co. two male Cotton Mice were collected along a ditchbank adjacent to high weeds and a bottomland corn field. A female was captured in high weeds and grass bordering a wooded area along with *Mus* and *P. leucopus*.

Specimens examined, 8.—*De Soto Co.*: 2 mi. N Pleasant Hill, 2; 1.5 mi. NE Glover, 1. *Tishomingo Co.*: Deurey Blapney's Woods, 4.5 mi. N Burnsville, 1 (UM); White House Rd. Area, 2 (MMNS); Butler Hills, 1 (MMNS). *Lee Co.*: Town Creek Bottom, 3.5 mi. NE Shannon, 1 (MMNS).

Additional records.—*Tishomingo Co.* *Lafayette Co.*: Oxford (Baird 1857). *Washington Co.* *Oktibbeha Co.* *Lowndes Co.* *Holmes Co.* *Attala Co.* *Winston Co.* *Noxubee Co.* *Yazoo Co.* *Kemper Co.* *Warren Co.* (Wolfe 1971): Blakely (Ward, Billups, and Lewis 1961); Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961). *Hinds Co.* (Wolfe 1971): Camp Kickapoo (Ward, Billups, and Lewis 1961). *Rankin Co.* *Newton Co.* *Lauderdale Co.* *Copiah Co.* *Simpson Co.* *Clarke Co.* *Adams Co.* (Wolfe 1971): [Washington] (Baird 1857, Osgood 1909). *Lincoln Co.* *Jones Co.* *Wayne Co.* *Wilkinson Co.* *Amite Co.* *Pike Co.* *Lamar Co.* (Crain and Cliburn 1965, Wolfe 1971). *Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Perry Co.* *Pearl River Co.* *Stone Co.* *Hancock Co.* (Wolfe 1971): Bay St. Louis (Osgood 1909). *Harrison Co.*

Ochrotomys nuttalli (Harlan)

Golden Mouse

Specimens examined, 15.—*Marshall Co.*: 4 mi. E Laws Hill, 2 (not preserved). *Tippah Co.*: Gillard Farm, 11 (MMNS); Little Creek Area, 1 (MMNS). *Alcorn Co.*: 2.5 mi. E Corinth, 1.

Additional records.—The following county records are from both Packard (1969) and Wolfe (1971), and the specific localities are from Packard (1969) unless otherwise indicated. *Tippah Co.*: Gillard Farm. *Tishomingo Co.*: 2.5 mi. E, 2.5 mi. S Tishomingo. *Prentiss Co.*: 20-mile Bottom area. *Coahoma Co.*: Palmer Lake area. *Bolivar Co.*: Bogue Phalia. *Monroe Co.* (Wolfe 1971). *Holmes Co.* (Wolfe 1971). *Winston Co.*: Sulphur Springs. *Yazoo Co.*: 2 mi. SE Yazoo City. *Kemper Co.* (Baird 1857, Coues and J. A. Allen 1877). *Warren Co.* (Wolfe 1971): Blakely (Ward, Billups, and Lewis 1961); Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961). *Hinds Co.* (Wolfe 1971): Camp Kickapoo (Ward, Billups, and Lewis 1961). *Rankin Co.*: Spear Farm. *Lauderdale Co.*: Okatibbee area. *Copiah Co.*: Crystal Springs. *Simpson Co.* (Wolfe 1971). *Clarke Co.*: Linton area. *Adams Co.* *Lincoln Co.* (Wolf 1971). *Jones Co.* *Wayne Co.*: Trigg Area. *Wilkinson Co.*: Percis Creek. *Pike Co.*: Percy Quinn State Park. *Lamar Co.* (Crain and Cliburn 1965, Packard 1969, Wolfe 1971): Lumberton area. *Forrest Co.* (Crain and Cliburn 1965, Packard 1969, Wolfe 1971): Burkett Creek; McKinnon Springs; Shelby State Park. *Pearl River Co.*: Poplarville. *Harrison Co.* (Wolfe 1971).

Sigmodon hispidus Say and Ord

Hispid Cotton Rat

General remarks.—Cotton rats were collected in areas of broomsedge, weeds, and tall grasses, with grassy fields being the most productive. The species was numerous in the tall weeds and grass at the edge of roads and highways and was collected in the same traplines as *Peromyscus*, *Mus*, *Blarina*, and *Microtus*.

Specimens examined, 97.—*De Soto Co.*: 2 mi. E Walls, 1; 2.5 mi. E Walls, 1; 3 mi. E Walls, 2; 3.5 mi. E Walls, 1; 3.25 mi. S Lynchburg, 2; 4 mi. S Olive Branch, 2; 5 mi. S Olive Branch, 19; 5.5 mi. S Olive Branch, 8; 7 mi. N Nesbit, 2; 5 mi. N Nesbit, 8; 3 mi. N Nesbit, 5; 2 mi. N Nesbit, 4; 0.5 mi. W Nesbit, 2; Nesbit, 3; 0.5 mi. E Nesbit, 1; 1 mi. E Nesbit, 2; 0.75 mi. E Penton, 1; 2 mi. W Lewisburg, 2; State Line Rd., 1 mi. W Hwy. 55, 2; Green River Rd., 0.25 mi. E Hwy. 3, 5; Green River Rd., 1.5 mi. E Hwy. 61, 1; Poplar Corner Rd., 0.25 mi. S Austin Rd., 1; Hwy. 3, 0.5 mi. S Hwy. 61 Junction, 1; 3 mi. W Aldens, 1; 0.5 mi. W Aldens, 1; 2 mi. N Norfolk, 1; 2.333 mi. E Glover, 2; Arkabutla Refuge,

2; Arkabutla Refuge, 1 mi. E Hwy. 301, 2; Arkabutla Refuge, 1.5 mi. E Hwy. 301, 1. *Marshall Co.*: 5 mi. NW Mt. Pleasant, 2 (UOMZ); 1 mi. E Slayden, 3 (UOMZ); 2 mi. W Potts Camp, 1 (UOMZ). *Benton Co.*: 5 mi. E Potts Camp, 1 (UOMZ). *Tippah Co.*: Gillard Farm, 1 (MMNS). *Pontotoc Co.*: Black Zion Area, 2 (MMNS). *Lee Co.*: Patton's Farm, 1 (MMNS).

Additional records.—*De Soto Co.* (Zimmerman and Lee 1968). *Tippah Co.* *Tishomingo Co.* *Prentiss Co.* *Coahoma Co.* *Lafayette Co.* *Pontotoc Co.* *Lee Co.* *Bolivar Co.* *Chickasaw Co.* *Monroe Co.* *Washington Co.* *Oktibbeha Co.* *Lowndes Co.* *Holmes Co.* *Winston Co.* *Yazoo Co.* *Madison Co.* *Kemper Co.* *Warren Co.* *Hinds Co.* *Rankin Co.* *Newton Co.* *Lauderdale Co.* *Copiah Co.* *Adams Co.* *Lincoln Co.* *Jefferson Davis Co.* *Jones Co.* *Wayne Co.* *Wilkinson Co.* *Pike Co.* *Lamar Co.* (Crain and Cliburn 1965, Wolfe 1971). *Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co.* *Stone Co.* *Hancock Co.* *Harrison Co.*

Neotoma floridana (Ord)

Eastern Wood Rat

Specimens examined, none.

Additional records.—Mississippi (Coues and J. A. Allen 1877). *Holmes Co.* *Yazoo Co.* *Warren Co.* *Lauderdale Co.* *Copiah Co.* *Adams Co.* (Wolfe 1971): [Washington] (Baird 1857). *Covington Co.* *Pike Co.* *Lamar Co.* *Forrest Co.* *Perry Co.* *Pearl River Co.* *Stone Co.* *Hancock Co.* (Rhoads 1894): Bay St. Louis (Schwartz and Odum 1957). *Harrison Co.*

Microtus pinetorum (Le Conte)

Pine Vole

General remarks.—This species was collected in grassy areas, forests, blackberry thickets, and honeysuckle vines. Although specimens were collected in varying habitats, the greatest number of voles were taken in low damp areas which contained vines. Specimens were collected along with *Peromyscus*, *Mus*, *Blarina*, and *Sigmodon*.

Specimens examined, 74.—*De Soto Co.*: E Tchulahoma Rd., 1 mi. S Tenn. State Line, 2; W Tchulahoma Rd., 2 mi. S Tenn. State Line, 1; Mineral Wells, 2; 2.5 mi. W Walls, 4; 3.25 mi. S Lynchburg, 7; 5 mi. S Olive Branch, 2; 1 mi. N Pleasant Hill, 1; 8 mi. NE Nesbit, 4; 7 mi. N Nesbit, 5; 6 mi. N Nesbit, 4; 5 mi. N Nesbit, 1; 2 mi. N Nesbit, 2; 0.5 mi. W Nesbit, 3; Nesbit, 1; 1.5 mi. N Penton, 1; 1.5 mi. W Eudora, 4; 1 mi. N Cockrum, 1; 2 mi. S Cockrum, 1; Poplar Corner Rd., 0.25 mi. S Austin Rd., 2; Poplar Corner Rd., 0.5 mi. S Star Landing Rd., 1; Cheatham Rd., 0.5 mi. W Hwy. 61, 1; Cheatham Rd., 0.75 mi. W Hwy. 61, 1; Thomas Rd., 1 mi. N Old Hwy. 61, 1; Wheeler Road, 2 mi. W Hwy. 51, 1; 2 mi. N Norfolk, 4; 0.75 mi. S Glover, 1. *Marshall Co.*: 3 mi. E Laws Hill, 5 (UOMZ); 5 mi. NW Mt. Pleasant, 1 (UOMZ); 1 mi. E Slayden, 4 (UOMZ). *Benton Co.*: 5 mi. E Potts Camp, 1 (UOMZ). *Tishomingo Co.*: 2.5 mi. W Burnsville, 1 (MMNS). *Lafayette Co.*: University of Mississippi, 1 (UM); Knight Woods, 2 mi. SE Taylor, 1 (UM). *Pontotoc Co.*: Black Zion Area, 2 (MMNS).

Additional records.—*Tippah Co.* *Tishomingo Co.* *Prentiss Co.* *Coahoma Co.* *Panola Co.* *Lafayette Co.* *Pontotoc Co.* *Lee Co.* *Chickasaw Co.* *Webster Co.* (Yeager 1937). *Oktibbeha Co.* *Lowndes Co.* *Holmes Co.* *Winston Co.* *Noxubee Co.* *Yazoo Co.* *Madison Co.* *Warren Co.* (Wolfe 1971): Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961). *Hinds Co.* *Rankin Co.* (Handley 1952, Wolfe 1971). *Lauderdale Co.* *Copiah Co.* (Handley 1952, Wolfe 1971). *Simpson Co.* *Clarke Co.* *Adams Co.* (Wolfe 1971): [Washington] (Coues and J. A. Allen 1877, Bailey 1898, 1900, Poole and Schantz 1942, Handley 1952, Miller and Kellogg 1955). *Lincoln Co.* (Handley 1952, Wolfe 1971). *Jones Co.* (Handley 1952, Wolfe 1971). *Wayne Co.* *Pike Co.* *Forrest Co.* (Crain and Cliburn 1965, Wolf 1971). *Pearl River Co.*

Ondatra zibethicus (Linnaeus)

Muskrat

General remarks.—Chapman (1894) indicated the Muskrat to be abundant along the coasts of southern Mississippi.

Specimens examined, 1.—*Marshall Co.*: 6 mi. W Waterford in Milan Pond, 1.

Additional records.—Cook (1945) reported pelts from the following

counties unless otherwise indicated: *De Soto*; *Marshall*; *Benton* (Cook 1945; Michigan City: Howell 1909); *Tippah*; *Alcorn* (Cook 1945, Wolfe 1971); *Tishomingo*; *Tunica* (Hallock 1877); *Tate*; *Prentiss*; *Quitman*; *Panola*; *Lafayette*; *Union*; *Pontotoc*; *Lee*; *Itawamba*; *Tallahatchie*; *Yalobusha*; *Calhoun*; *Chickasaw* (Cook 1945, Wolfe 1971); *Monroe*; *Grenada*; *Carroll*; *Montgomery*; *Webster* (Yeager 1937, Cook 1945); *Clay*; *Choctaw*; *Oktibbeha*; *Lowndes* (Cook 1945, Wolfe 1971); *Holmes* (Cook 1945, Wolfe 1971); *Attala*; *Winston*; *Noxubee*; *Leake*; *Kemper*; *Lauderdale* (Cook 1945, Wolfe 1971); *Pearl River* (Wolfe 1971); *Hancock* (Cook 1945, Wolfe 1971); *Harrison* (Cook 1945, Wolfe 1971); *Jackson*.

Family Muridae, Murids

Rattus rattus (Linnaeus)

Black Rat

Specimens examined, none.

Additional records.—*Washington Co.* *Kemper Co.* *Warren Co.* *Lauderdale Co.* *Copiah Co.* *Lincoln Co.* *Jones Co.* *Wayne Co.* *Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co.* *Stone Co.* *Hancock Co.* *Harrison Co.*

Rattus norvegicus (Berkenhout)

Norway Rat

General remarks.—The specimens from De Soto Co. were collected in a barnyard and in the attic of a house, respectively.

Specimens examined, 4.—*De Soto Co.*: Nesbit, 1; 2 mi. N Lewisburg, 1. *Lee Co.*: Baldwin, 1 (MMNS); 3.5 mi. NE Shannon, 1 (UM).

Additional records.—*Tishomingo Co.* *Coahoma Co.* *Lee Co.* *Clay Co.* *Oktibbeha Co.* *Holmes Co.* *Winston Co.* *Yazoo Co.* *Madison Co.* *Kemper Co.* *Warren Co.* *Hinds Co.* *Lauderdale Co.* *Copiah Co.* *Adams Co.*: [Washington] (Baird 1857, Wolfe 1971). *Lincoln Co.* *Jones Co.* *Wayne Co.* *Wilkinson Co.* *Pike Co.* *Forrest Co.* *Pearl River Co.* *Jackson Co.*: Horn Island (Richmond 1962).

Mus musculus Linnaeus

House Mouse

General remarks.—*Mus musculus* were collected in most habitats that provided cover, particularly overgrowth around edges of fields, grassy areas, and marshy places. The species was commonly collected in the same trapline as *Peromyscus*, *Microtus*, *Sigmodon*, and *Blarina*.

Specimens examined, 187.—*De Soto Co.*: State Line Rd., 1 mi. E Hwy. 55, 6; State Line Rd., 2 mi. E Hwy. 55, 1; E Tchulahoma Rd., 1 mi. S Tenn. State Line, 5; Mineral Wells, 1; 2.5 mi. W Walls, 1; 2 mi. E Walls, 1; 2.5 mi. E Walls, 1; 3.25 mi. S Lynchburg, 3; 2 mi. N Olive Branch, 2; 5 mi. S Olive Branch, 8; 5.5 mi. S Olive Branch, 8; 2 mi. N Pleasant Hill, 26; 1 mi. N Pleasant Hill, 2; 1 mi. N Lake Comorant, 10; 6 mi. N Nesbit, 21; 7 mi. N Nesbit, 25; 2 mi. N Nesbit, 1; 1.5 mi. NE Nesbit, 1; 0.5 mi. W Nesbit, 2; Nesbit, 2; 1.5 mi. N Penton, 1; 2 mi. E Eudora, 1; 2 mi. N Lewisburg, 1; 1.5 mi. E Lewisburg, 1; 2 mi. E Hernando, 1; 1 mi. N Cockrum, 2; 2 mi. S Cockrum, 5; 2 mi. N Norfolk, 8; Green River Rd., 0.25 mi. E Hwy. 3, 12; Green River Rd., 2 mi. E Hwy. 3, 3; Howard-Sanders Rd., 0.75 mi. N Old Hwy. 61, 3; Cheatham Rd., 0.75 mi. W Hwy. 61, 4; Cheatham Rd., 0.5 mi. W Hwy. 61, 2; Hwy. 3, 0.5 mi. S Hwy. 61 Junction, 9; Wheeler Rd., 3 mi. W Hwy. 51, 1; Ranch Rd., 2 mi. W Hwy. 51, 2. *Marshall Co.*: 5 mi. NW Mt. Pleasant, 2 (UOMZ); 3 mi. E. Laws Hill, 1 (UOMZ). *Benton Co.*: 5 mi. E Potts Camp, 1 (UOMZ).

Additional records.—The following are from both Smith (1954) and Wolfe (1971) unless otherwise indicated. *Marshall Co.* *Benton Co.* *Tippah Co.* (Wolfe 1971). *Tishomingo Co.* (Wolfe 1971). *Tunica Co.* (Wolfe 1971). *Prentiss Co.* (Wolfe 1971). *Coahoma Co.* (Wolfe 1971). *Lafayette Co.* *Pontotoc Co.* (Wolfe 1971). *Lee Co.* (Wolfe 1971). *Sunflower Co.* *Tallahatchie Co.* *Yalobusha Co.* *Chickasaw Co.* (Wolfe 1971). *Monroe Co.* (Wolfe 1971). *Leflore Co.* *Carroll Co.* *Montgomery Co.* *Clay Co.* (Wolfe 1971). *Washington Co.* (Wolfe 1971). *Oktibbeha Co.* (Wolfe 1971). *Lowndes Co.* (Wolfe 1971). *Humphreys Co.* *Holmes Co.* *Winston Co.* (Wolfe 1971). *Yazoo Co.* *Madison Co.* (Wolfe 1971). *Kemper Co.* (Bader and Lehmann 1965, Wolfe 1971). *Warren Co.* (Wolfe 1971): Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961). *Hinds Co.* (Wolfe 1971): Camp Kickapoo (Ward, Billups,

and Lewis 1961). *Rankin Co.* (Wolfe 1971). *Newton Co.* *Lauderdale Co.* (Smith 1954, Bader and Lehmann 1965, Wolfe 1971). *Copiah Co.* (Wolfe 1971). *Simpson Co.* (Wolfe 1971). *Clarke Co.* (Wolfe 1971). *Adams Co.* (Wolfe 1971). *Lincoln Co.* (Wolfe 1971). *Jones Co.* (Smith 1954, Bader and Lehmann 1965, Wolfe 1971). *Wayne Co.* (Wolfe 1971). *Wilkinson Co.* (Wolfe 1971). *Amite Co.* *Pike Co.* (Wolfe 1971). *Walthall Co.* *Marion Co.* *Lamar Co.* (Smith 1954, Crain and Cliburn 1965, Wolfe 1971). *Forrest Co.* (Smith 1954, Bader and Lehmann 1965, Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co.* (Smith 1954, Bader and Lehmann 1965, Wolfe 1971). *Stone Co.* (Wolfe 1971). *Hancock Co.* (Wolfe 1971). *Harrison Co.* (Smith 1954, Bader and Lehmann 1965, Wolfe 1971). *Jackson Co.* (Wolfe 1971).

Family Capromyidae, Hutias and Coypus

Myocastor coypus (Molina)

Nutria

Specimens examined, none.

Additional records.—*Leflore Co.* *Stone Co.* *Hancock Co.*

Order Carnivora, Carnivores

Family Canidae, Wolves, Coyote, Dogs, and Foxes

Canis latrans Say

Coyote

General remarks.—In 1971, a Marshall Co. newspaper, *South Reporter*, published a picture of an animal identified as a wolf or coyote. The picture very strongly resembled a coyote but no skin or skull were available for identification. The photograph was of a specimen taken as a road kill in Oakchewalla Creek Bottom, 6 mi. E Laws Hill, Marshall Co.

Specimens examined, 2.—*Issaquena Co.*: 5 mi. E of N end of Eagle Lake, 1 (MMNS). *Adams Co.*: Giles Island near Natchez, 1 (MMNS).

Additional records.—*Bolivar Co.* *Tallahatchie Co.* (Wolfe 1971): 3 mi. W Enid (Paradiso 1966). *Leflore Co.* *Webster Co.* *Issaquena Co.*

(Wolfe 1971): 5 mi. E of the N end of Eagle Lake (Paradiso 1966). Adams Co. (Paradiso 1966, Wolfe 1971).

Canis niger (Bartram)

Red Wolf

General remarks.—Young and Goldman (1944) reported wolves within a radius of 50 to 60 miles east of Natchez. The specimen they examined from Harrison Co. was collected in November 1931.

Specimens examined, none.

Additional records.—The following are from both Young and Goldman (1944) and Wolfe (1971) unless otherwise indicated. *Carroll Co.* (Wolfe 1971). *Claiborne Co.* *Copiah Co.* (Young and Goldman 1944). *Jefferson Co.* *Franklin Co.* *Harrison Co.* (Wolfe 1971); Biloxi (Young and Goldman 1944). *Jackson Co.* (Young and Goldman 1944).

Vulpes fulva (Desmarest)

Red Fox

Specimens examined, 1.—*De Soto Co.*: 1.5 mi. SW Lynchburg, 1.

Additional records.—Cook (1945) reported pelts taken from the following counties unless otherwise indicated: *De Soto*; *Marshall*; *Benton*; *Tippah*; *Alcorn*; *Tishomingo*; *Tunica*; *Tate*; *Coahoma*; *Quitman*; *Union*; *Itawamba*; *Bolivar*; (Cook 1945, Wolfe 1971); *Yalobusha*; *Calhoun*; *Chickasaw*; *Monroe*; *Grenada*; *Montgomery*; *Webster* (Yeager 1937); *Washington* (Wolfe 1971); *Attala*; *Winston*; *Sharkey*; *Leake*; *Hinds*; *Rankin*; *Amite*; *Forrest* (Crain and Cliburn 1965, Wolfe 1971); *Perry* (Wolfe 1971); *Hancock* (Wolfe 1971).

Urocyon cinereoargenteus (Schreber)

Gray Fox

Specimens examined, 2.—*Marshall Co.*: On Hwy. 7, 1 mi. S Waterford, 1 (MMNS). *Tishomingo Co.*: 8.5 mi. N Burnsville, 1 (MMNS).

Additional records.—Cook (1945) reported pelts taken from the following counties unless otherwise indicated: *De Soto*; *Marshall*;

Benton; *Tippah*; *Alcorn*; *Tishomingo*; *Tunica*; *Tate*; *Prentiss*; *Quitman*; *Union*; *Lee*; *Itawamba*; *Bolivar*; *Sunflower* (Wolfe 1971); *Tallahatchie*; *Yalobusha*; *Calhoun*; *Chickasaw*; *Monroe*; *Leflore*; *Grenada*; *Montgomery*; *Webster*; *Washington*; *Choctaw*; *Oktibbeha* (Cook 1945, Wolfe 1971); *Lowndes*; *Humphreys*; *Attala*; *Winston*; *Noxubee*; *Issaquena*; *Sharkey*; *Yazoo*; *Madison*; *Leake*; *Kemper* (Cook 1945, Wolfe 1971); *Hinds*; *Rankin*; *Scott*; *Lauderdale*; *Copiah*; *Simpson*; *Smith*; *Franklin*; *Covington* (Cook 1945, Crain and Cliburn 1965, Wolfe 1971); *Jones*; *Wayne*; *Wilkinson*; *Amite*; *Marion*; *Lamar*; *Forrest* (Crain and Cliburn 1965, Wolfe 1971); *Perry* (Cook 1945, Wolfe 1971); *Green*; *Pearl River*; *Stone*; *George*; *Harrison* (Cook 1945, Wolfe 1971); *Jackson*.

Family Ursidae, Bears

Ursus americanus Pallas

Black Bear

Specimens examined, none.

Additional records.—The following county records are from Hallock (1877) unless otherwise indicated: *Tunica*; *Coahoma* (Moon Lake: Jeems 1907); *Bolivar*; *Tallahatchie*; *Carroll*; *Washington*; *Yazoo*; *Jackson*.

Family Procyonidae, Raccoons and Allies

Procyon lotor (Linnaeus)

Raccoon

Specimens examined, 2.—*De Soto Co.*: 1 mi. W Norfolk, 1. *Marshall Co.*: 2 mi. S Holly Springs, 1.

Additional records.—Cook (1945) reported pelts from all counties except Chickasaw Co. *Tunica Co.*: Hudson's Ferry (Hallock 1877). *Panola Co.* *Pontotoc Co.* *Lee Co.* *Bolivar Co.* *Sunflower Co.*: near Colony Town (Yeager 1941). *Webster Co.* (Yeager 1937). *Washington Co.* (Hallock 1877). *Oktibbeha Co.* *Lowndes Co.* *Winston Co.* *Yazoo Co.* *Warren Co.* (Wolfe 1971); Blakely (Ward, Billups, and Lewis 1961); Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961). *Hinds Co.* (Wolfe 1971); Camp Kickapoo (Ward, Billups, and Lewis

1961). *Clarke Co. Adams Co.* (Wolfe 1971): [Washington] (Goldman 1950). *Jones Co. Wayne Co. Lamar Co.* (Crain and Cliburn 1965, Wolfe 1971). *Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co. Hancock Co.* (Crain and Cliburn 1965, Wolfe 1971): Bay St. Louis (Goldman 1950). *Harrison Co.* (Wolfe 1971): Saucier (Goldman 1950). *Jackson Co.*: Horn Island (Richmond 1962).

Family Mustelidae, Mustelids

Mustela frenata Lichtenstein

Long-tailed Weasel

Specimens examined, 1.—*Marshall Co.*: 7 mi. SW Holly Springs on Hwy. 4, 1 (MMNS).

Additional records.—Cook (1945) reported pelts from all counties except: Chickasaw; Washington; Humphreys; Issaquena; Hinds; Adams. *Tishomingo Co. Lee Co. Chickasaw Co. Webster Co.* (Yeager 1937). *Winston Co.* (Wolfe 1971): near the Noxubee Refuge (Schantz 1942). *Yazoo Co. Copiah Co. Clarke Co.*: Souinloine Creek (Hall 1951a). *Lincoln Co. Jones Co. Lamar Co. Perry Co. Pearl River Co. Harrison Co.*: Saucier (Hall 1951a).

Mustela vison Schreber

Mink

Specimens examined, 2.—*Marshall Co.*: 2 mi. W Chulahoma, 1 (UOMZ); Lake Estates, Potts Camp, 1 (UOMZ).

Additional records.—Cook (1945) reported Mink pelts from all counties in the state. *Tunica Co.*: Hudson's Ferry (Hallock 1877). *Bolivar Co. Sunflower Co.*: near Colony Town (Yeager 1941). *Leflore Co. Webster Co.* (Yeager 1937). *Clay Co. Oktibbeha Co. Lowndes Co. Noxubee Co. Warren Co. Hinds Co.* (Wolfe 1971): Camp Kickapoo (Ward, Billups, and Lewis 1961). *Lauderdale Co. Lincoln Co.*: Brookhaven (Coues 1877). *Jones Co.* (Crain and Cliburn 1965, Wolfe 1971). *Lamar Co. Pearl River Co.*

Spilogale putorius (Linnaeus)

Eastern Spotted Skunk

Specimens examined, none.

Additional records.—The following are from both Cook (1945) and Wolfe (1971) unless otherwise indicated. *Alcorn Co.* (Wolfe 1971): Corinth (Merriam 1890, Van Gelder 1959). *Pontotoc Co. Lee Co.* (Wolfe 1971). *Itawamba Co.* (Wolfe 1971). *Chickasaw Co. Monroe Co. Webster Co.* (Yeager 1937, Cook 1945, Wolfe 1971). *Lowndes Co.* (Wolfe 1971): Hall Lumber Company (Van Gelder 1959). *Holmes Co.* (Wolfe 1971). *Noxubee Co. Madison Co. Kemper Co. Hinds Co.* (Cook 1945, Wolfe 1971): Camp Kickapoo (Ward, Billups, and Lewis 1961). *Lauderdale Co. Claiborne Co. Copiah Co.* (Cook 1945, Wolfe 1971): Arista Ranch (Van Gelder 1959). *Simpson Co. Smith Co. Lincoln Co.* (Wolfe 1971). *Covington Co. Jones Co. Wayne Co. Marion Co. Lamar Co.* (Cook 1945, Wolfe 1971): Lumberton (Van Gelder 1959). *Forrest Co.* (Wolfe 1971): Eatonville (Van Gelder 1959). *Perry Co. Pearl River Co. Stone Co.* (Van Gelder 1959, Wolfe 1971). *George Co. Hancock Co.* (Cook 1945, Wolfe 1971): Bay St. Louis (Van Gelder 1959).

Mephitis mephitis (Schreber)

Striped Skunk

Specimens examined, 1.—*Marshall Co.*: 5 mi. SW Potts Camp, 1 (MMNS).

Additional records.—Cook (1945) reported Striped Skunk pelts from all counties in Mississippi except: Tate; Bolivar; Chickasaw; Washington; Humphreys. *Webster Co.* (Yeager 1937). *Oktibbeha Co. Lowndes Co. Jones Co. Lamar Co. Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971). *Pearl River Co. Stone Co. Hancock Co.*: Bay St. Louis (Howell 1901). *Harrison Co.*

Lutra canadensis (Schreber)

River Otter

General remarks.—In Yeager's (1938, 1941) discussion of River

Otters and their dens, he also mentions numerous other species of mammals occurring in association with the otters.

Specimens examined, none.

Additional records.—*Tunica Co.*: Hudson's Ferry (Hallock 1877). *Sunflower Co.*: near Colony Town (Yeager 1941). *Leflore Co.*: head of Blue Lake, near the Village of Berclair (Yeager 1938); Fowl Brake (Yeager 1941); Gayden Brake Swamp (Yeager 1938). *Noxubee Co.* *Kemper Co.* *Adams Co.*: Kingston (Hallock 1877). *Wayne Co.*

Family Felidae, Cats and Allies

Felis concolor True

Mountain Lion

Specimens examined, none.

Additional records.—Young and Goldman (1946) and Hallock (1877) related accounts of the Mountain Lion in *Tunica Co.* and farther south along the Mississippi River in *Washington Co.* Yeager (1938) also mentions this species in the delta hardwood region of Mississippi.

Lynx rufus (Schreber)

Bobcat

General remarks.—Our specimens were all collected in wooded bottomlands bordering rivers and marshes.

Specimens examined, 3.—*De Soto Co.*: 3.5 mi. S Lewisburg, 1. *Marshall Co.*: 4 mi. W Bethlehem, 1; 3 mi. W Bethlehem, 1.

Additional records.—Mississippi (Cook 1945): Noxubee Refuge (Young 1958). *Coahoma Co.*: Moon Lake (Jeems 1907). *Bolivar Co.* *Oktibbeha Co.* *Issaquena Co.* *Yazoo Co.* *Madison Co.* *Warren Co.* (Wolfe 1971): Bluff Forest Experiment Station (Ward, Billups, and Lewis 1961). *Rankin Co.* (Wolfe 1971): Pearl River Swamp (Boozer 1948). *Smith Co.* *Jones Co.* (Crain and Cliburn 1965, Wolfe 1971). *Forrest Co.* (Crain and Cliburn 1965, Wolfe 1971).

Order Artiodactyla, Artiodactyls

Family Cervidae, Cervids

Odocoileus virginiana (Zimmermann)

White-tailed Deer

Specimens examined, 1.—*Marshall Co.*: 2 mi. W Potts Camp, 1 (MMNS).

Additional records.—Halls and Stransky (1971) reported deer killed in all counties except: *Tunica*; *Tate*; *Quitman*; *Lee*; *Pike*. The following county records are from Hallock (1877) unless otherwise indicated: *Alcorn*; *Tunica*; *Coahoma* (Moon Lake: Jeems 1907); *Bolivar*; *Tallahatchie*; *Carroll*; *Washington*; *Oktibbeha* (Wolfe 1971); *Humphreys* (Wolfe 1971); *Yazoo*; *Leake* (Wolfe 1971); *Hinds* (Hallcock 1877, Ward, Billups, and Lewis 1961, Wolfe 1971); *Lauderdale*; *Adams*; *Perry* (Crain and Cliburn 1965, Wolfe 1971); *Jackson*.

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