

**An Historical Analysis of Periodical Cicadas in Indiana  
(Homoptera:Cicadidae)**

GENE KRITSKY

Department of Biology  
College of Mount St. Joseph  
Mount St. Joseph, OH 45051

Recent studies on the periodical cicadas have provided evidence that these insects may not be as punctual as previously thought. Dybas (1969) and Young (1971, 1975) have documented 17-year cicadas that emerged four years ahead of schedule. In the Greater Cincinnati region, a significant number of cicadas emerged in 1983, four years ahead of the expected major emergence of brood X in 1987. In order to understand the importance of four year accelerations on the evolution of 17-year broods, I examined the historical records of the periodical cicadas in Indiana.

Indiana provides an ideal site for the study of the recent emergence history of the periodical cicadas. The earliest periodical cicada record in Indiana dates back to 1834 with the emergence of brood X. Since then the cicadas' early distributions in the state have been closely studied by Amos W. Butler (1885), and F. M. Webster (1892, 1898). Their work was tabulated along with other Indiana records (Hahn 1905) and published in the Insect Pest Survey Bulletins of the 1930s (Anonymous 1932, 1933, 1936, 1937, 1939, 1940; Hyslop 1935, 1940). Howard Deay (1953), J. J. Davis (1933, 1935, 1954), D. W. Hamilton (1950), M. L. Cleveland (Hamilton and Cleveland 1964), and Frank N. Young (1958, 1971, 1975; Young and Zimmerman 1977) updated this earlier work. The result is probably one of the most complete records of the history of the periodical cicadas in any state.

A major problem encountered with the use of historical records results from errors in assigning brood designations introduced by the original observers in the early surveys. In 1868, 1872, 1881, 1885, and 1898 (Table 1) there were simultaneous

TABLE 1

Brood	17 year cicada emergence years
VI	1830, 1847, 1864, 1881, 1898, 1915, 1932, 1949, 1966, 1983
X	1834, 1851, 1868, 1885, 1902, 1919, 1936, 1953, 1970, 1987
XIII	1837, 1854, 1871, 1888, 1905, 1922, 1939, 1956, 1973, 1990
XIV	1838, 1855, 1872, 1889, 1906, 1923, 1940, 1957, 1974, 1991
Brood	13 year cicada emergence years
XIX	1842, 1855, 1868, 1881, 1894, 1907, 1920, 1933, 1946, 1959, 1972, 1985
XXIII	1846, 1859, 1872, 1885, 1898, 1911, 1924, 1937, 1950, 1963, 1976, 1989

emergences of 17-year and 13-year cicada broods and the early researchers' attempts to designate broods resulted in erroneous interpretations. Another concern arising from the use of historical records is that the records may be of annual cicadas rather than of periodical cicadas. Many of these records are not supported by voucher specimens. In an attempt to remove these errors, 879 cicada records were placed into a database recording the county, town, and year of emergence. Appendix one contains the historical records of the periodical cicadas in Indiana. To verify the nineteenth century county records of cicadas, the database was searched to find consecutive emergences of periodical cicadas in the same counties and towns during expected emergence years. The confirmation of a 13-year or a 17-year emergence pattern permitted an accurate brood designation for those years when Indiana witnessed simultaneous 13- and 17-year cicadas. Moreover, of the 879 emergence records, only

9 reports were in years that do not correspond to expected broods or 4 year accelerations from 17-year broods. This 1.1% error suggests that the historical records are indeed quite accurate. The results confirmed the presence of broods X, XIII, XIV, and XXIII in Indiana in the nineteenth century. Historical records could not confirm the occurrence of brood XIX in Indiana verifying the recent survey conducted by Young (1975).

The results of the database search are summarized in figures 1 through 8. Figure 1 is the historical record of brood XXIII, a 13 year brood, in the nineteenth century. This map represents only those counties in which there were three consecutive emergences 13 years apart in brood XXIII years. Interestingly, the most recent survey by Young (1977) indicates that the distribution of brood XXIII (figure 2) has not changed over the past century.

Brood XIII, a 17-year brood, occurs in just three counties in the northwest portion of the state. It was first recorded in Lake, LaPorte, and Porter (figure 3) counties in 1888 and was most recently documented there in 1956.

The 17-year broods XIV, X, and VI present a more dynamic picture of brood evolution. The nineteenth century records (including 1902) indicate brood X had consistently emerged in all but three of Indiana's 92 counties (figure 4). The most recent survey of brood X (Young and Kritsky 1990) reveals that it now occurs in 64 counties in two sections of the state (figure 5). Brood XIV likewise has greatly reduced its distribution over the past century. Brood XIV in the nineteenth century (including 1906) was repeatedly observed in 23 counties (figure 6), but Young (1975) reported that XIV is now found in only 5 counties (figure 7).

Brood VI, although reported in Indiana since 1898, is not an established brood. All the records of this brood are scattered (figure 8) and are based on only a few individuals. Brood VI, a designation indicating emergence four years before brood X, may indeed represent four year accelerations from brood X. All of the counties where brood VI is recorded are counties in which there was a heavy population of brood X thirteen years prior to the emergence of brood VI.

Four year accelerations have been the focus of several studies. Lloyd and Dybas (1966), Lloyd and White (1976), and Lloyd, Kritsky and Simon (1983) have proposed models to account for the phenomenon of four year accelerations. Indeed, the Indiana record of broods XIV, X, and VI fits the overcrowding hypothesis proposed by Lloyd and White (1976) for the evolution of the 17-year broods.

Lloyd and White (1976) proposed that brood XIV is ancestral to X which is ancestral to VI. They predict that in regions where two broods occur together, the lagging brood XIV will eventually disappear because it is losing individuals to 4-year accelerations. These individuals will emerge during brood X years causing it to increase. Once brood X is established, then the process can begin anew with four year accelerations of brood X giving rise to periodical cicada emergences which would be designated brood VI. These brood VI emergences will initially be too light to satiate predators, and so to establish brood VI. This fits the history of the broods in Indiana over the past 157 years and accounts for the current distributions of broods XIV and X and the reports of scattered records of VI.

For the Lloyd and White (1976) model to work, four year accelerations should be common. Indeed, in the greater Cincinnati region of southeastern Indiana, southwestern Ohio, and northern Kentucky, brood X has produced four year accelerations in 1898, 1932, 1966, and 1983. An analysis of the Indiana periodical cicada database shows that over 20 percent of the brood X counties have apparently given rise to four year accelerations. A similar survey of the historical records of the periodical cicadas in Ohio reveals that over 30 percent of the brood X counties have recorded cicadas thirteen years after a brood X appearance.

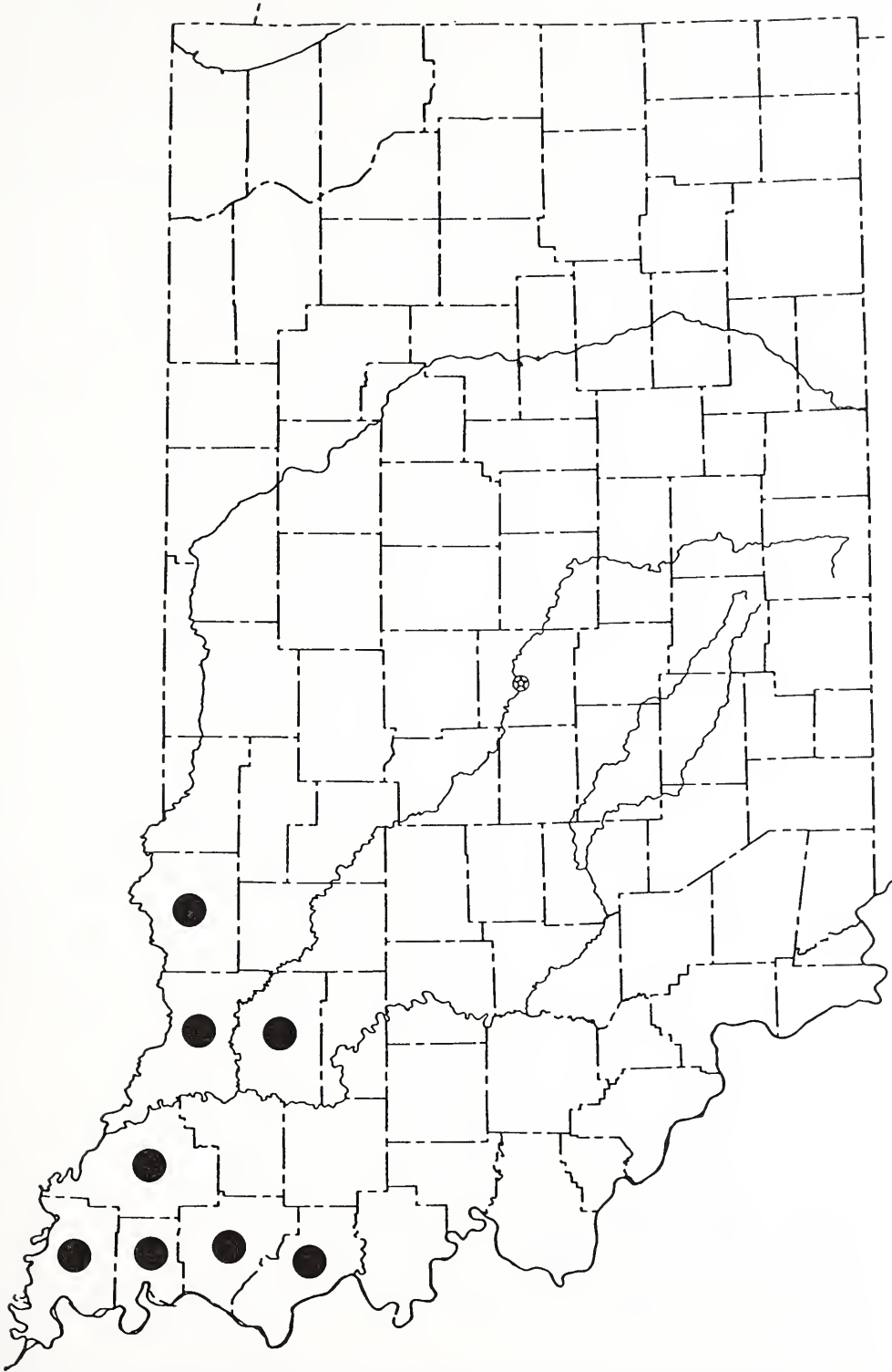


FIGURE 1. The nineteenth century distribution of the 13-year brood XXIII.

The relatively common occurrence of four year accelerations and their impact on the populations of both the lagging and accelerating broods suggest that the periodical cicada broods are evolving rapidly with significant changes in distribution and density occurring in a matter of decades.

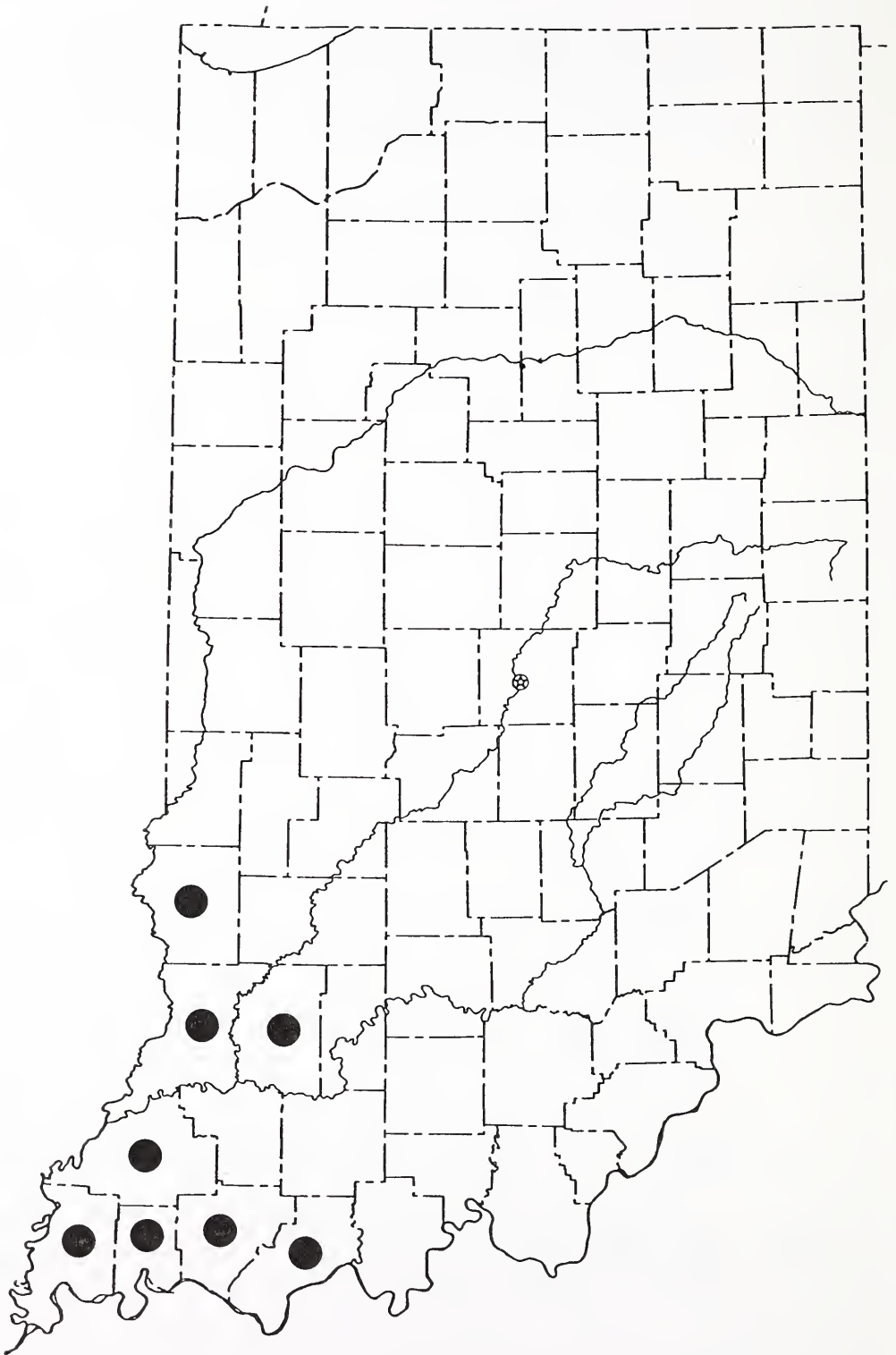


FIGURE 2. The distribution of brood XXIII in 1976 (After Young and Zimmerman 1977).



FIGURE 3. The distribution of the 17-year brood XIII.

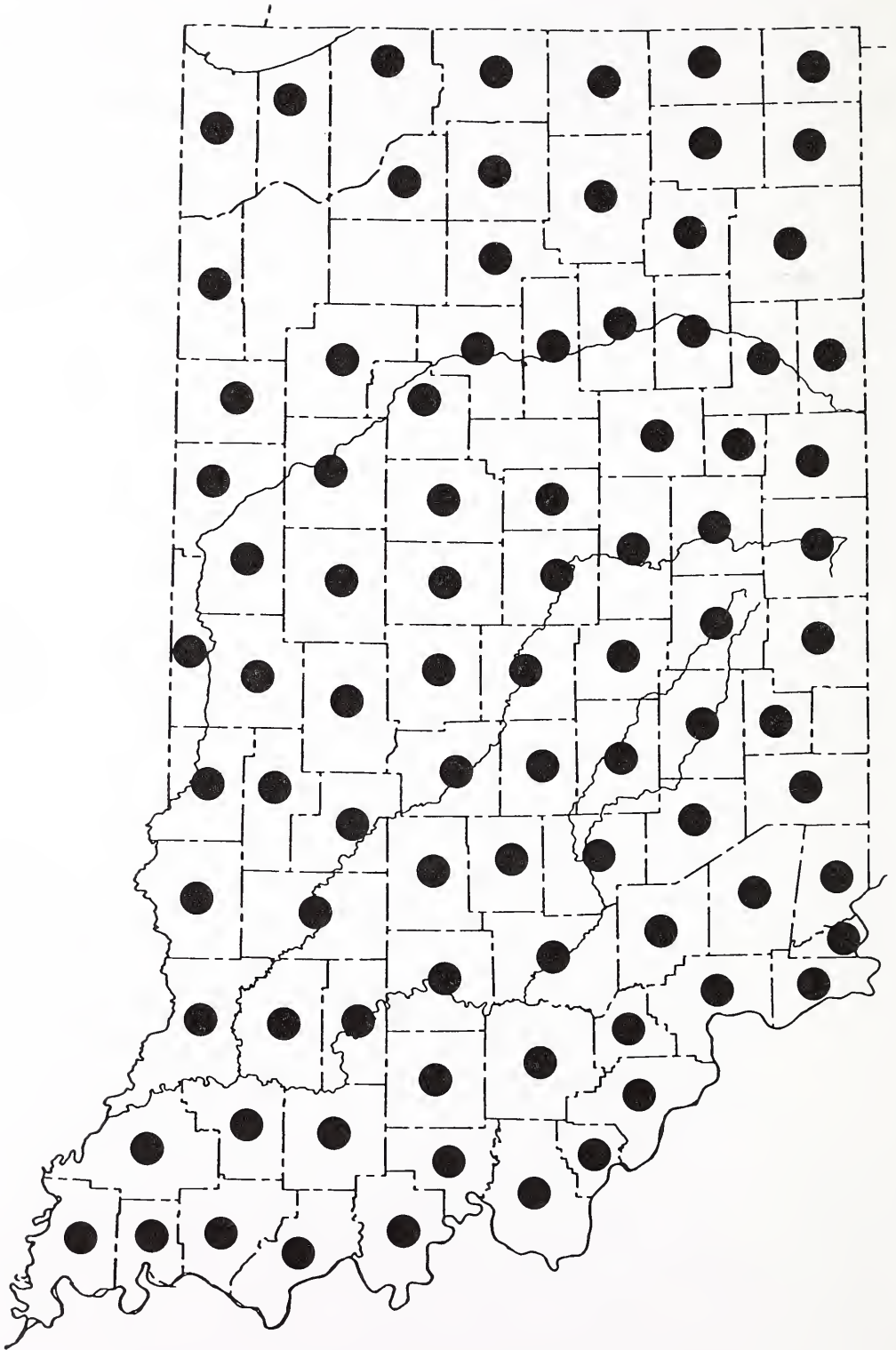


FIGURE 4. The nineteenth century distribution (including 1902) of the 17-year brood X.

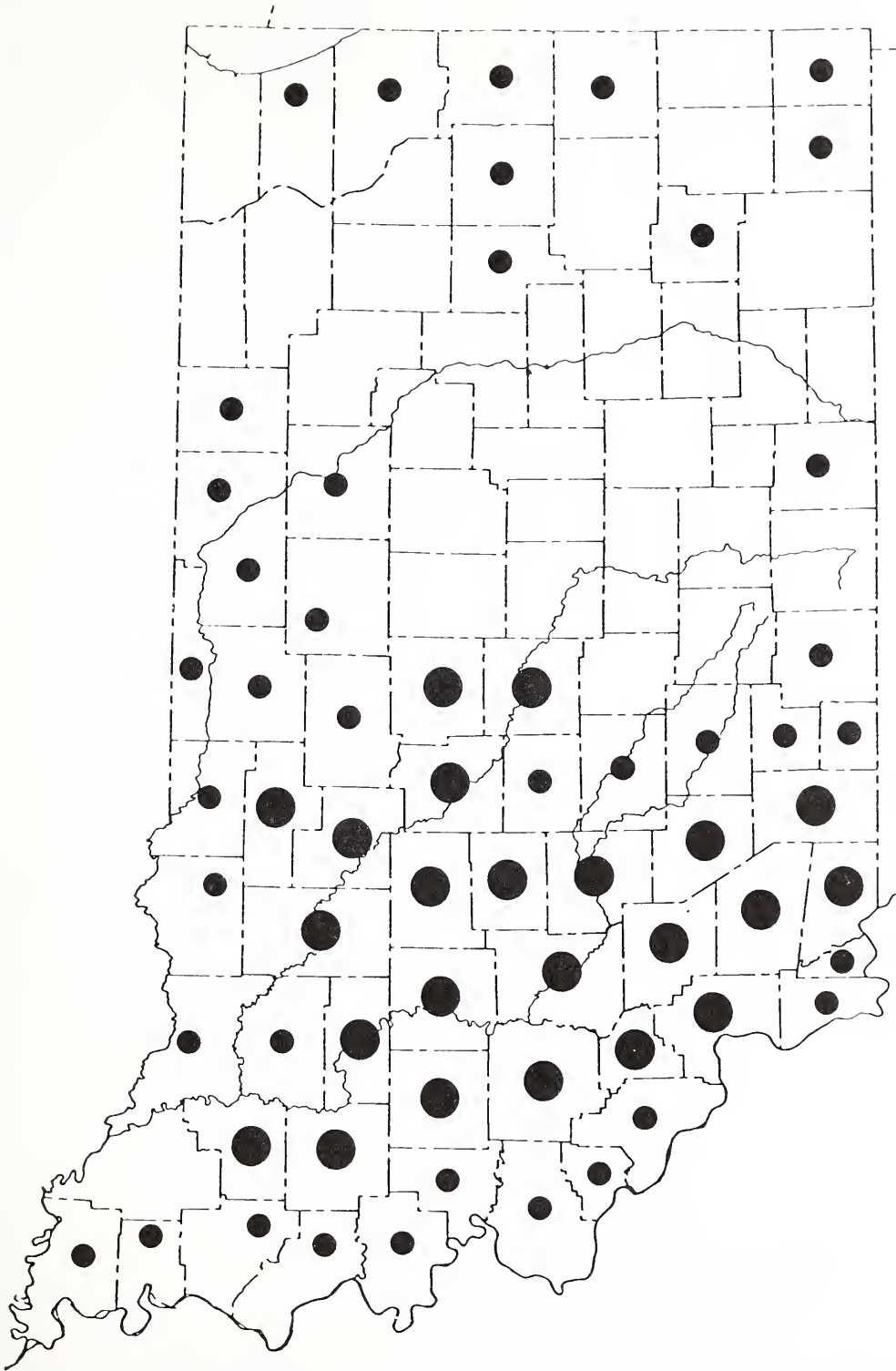


FIGURE 5. The distribution of brood X in 1987 (After Young and Kritsky 1988).

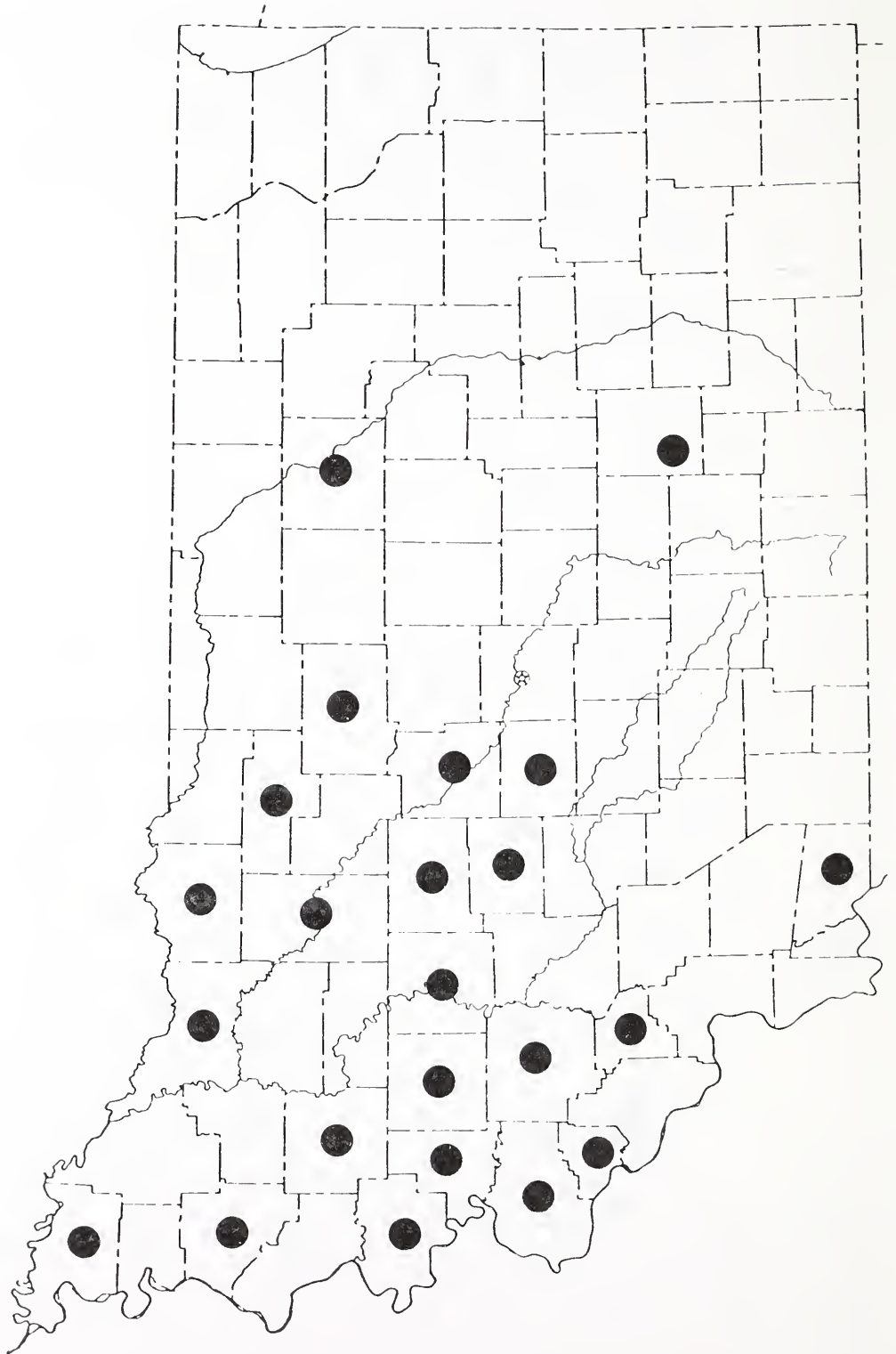


FIGURE 6. The nineteenth century distribution (including 1906) of the 17-year brood XIV.



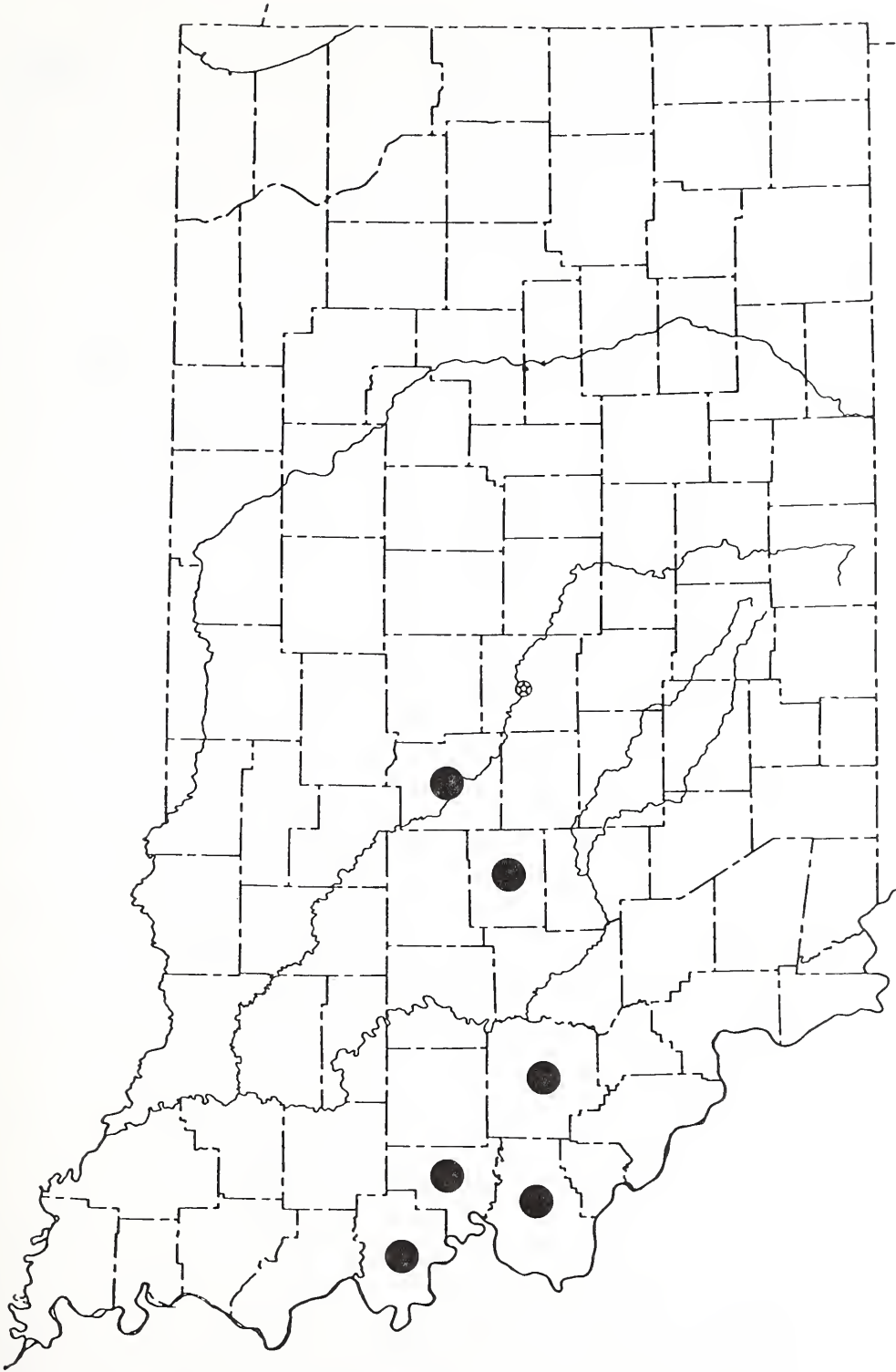


FIGURE 7. The distribution of brood XIV in 1974 (After Young 1975).

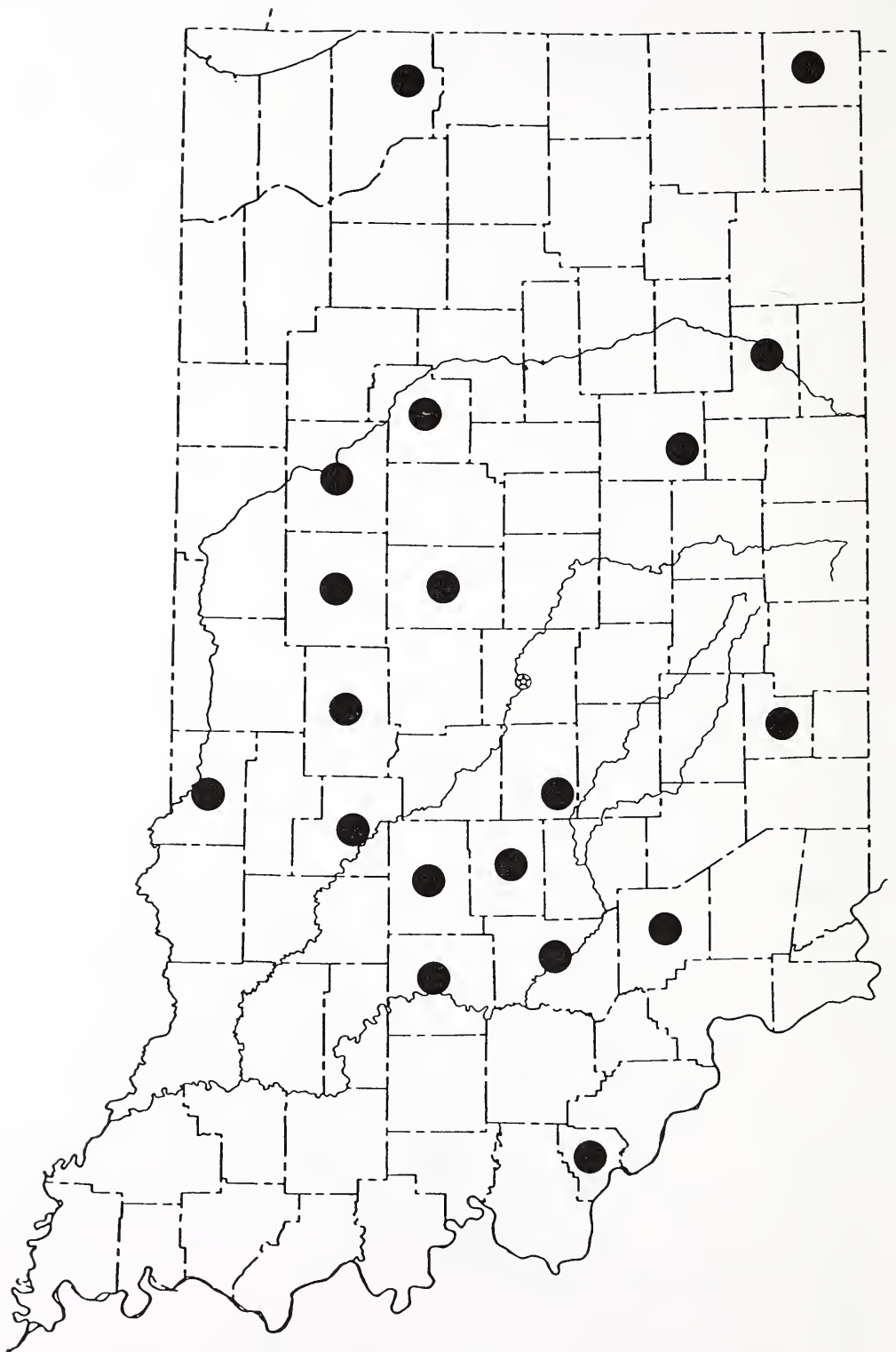


FIGURE 8. Counties reporting probable four year accelerations of brood X, designated brood VI.

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**Appendix One**  
**Indiana's Periodical Cicada Records**

County	Town	Year
Adams	Berne	1885
Adams	Berne	1902
Adams	—	1919
Allen	Ft. Wayne	1885
Allen	—	1887
Allen	—	1902
Bartholomew	Hope	1885
Bartholomew	Columbus	1902
Bartholomew	Hope	1902
Bartholomew	—	1970
Bartholomew	Azalia	1987
Bartholomew	Columbus	1987
Bartholomew	Elizabethtown	1987
Bartholomew	Hope	1987
Bartholomew	Taylorsville	1987
Benton	Boswell	1885
Benton	Fowler	1902
Benton	Freeland Park	1987
Blackford	—	1868
Blackford	Hartford City	1885
Blackford	Hartford City	1902
Blackford	Montpelier	1902
Boone	—	1885
Boone	Lebanon	1898
Boone	Thorntown	1898
Boone	Lebanon	1902
Boone	Whitestown	1902
Boone	—	1905
Boone	Lebanon	1906
Brown	—	1868
Brown	Ramelton	1885
Brown	—	1889
Brown	Cornelius	1898
Brown	Bean Blossom	1902
Brown	Mount Liberty	1902
Brown	New Bellsville	1902
Brown	Nashville	1906
Brown	Brown Co. St. Park	1936
Brown	—	1940
Brown	—	1957
Brown	Nashville	1957
Brown	Nashville	1957
Brown	—	1970
Brown	—	1974
Brown	Brown Co St Park	1987
Brown	Nashville	1987
Carroll	—	1885
Carroll	Rockfield	1898
Carroll	Cutler	1902
Carroll	Delphi	1902
Carroll	Rockfield	1902
Carroll	Delphi	1906
Carroll	Delphi	1919

County	Town	Year
Cass	—	1885
Cass	Logansport	1902
Clark	New Providence	1834
Clark	Charlestown	1851
Clark	New Providence	1851
Clark	Charlestown	1868
Clark	New Providence	1868
Clark	Charlestown	1885
Clark	Henryville	1885
Clark	New Providence	1885
Clark	Otto	1885
Clark	—	1889
Clark	Jeffersonville	1902
Clark	Otto	1902
Clark	Sellersburg	1902
Clark	Utica	1902
Clark	—	1970
Clark	—	1987
Clay	—	1868
Clay	—	1872
Clay	Ashboro	1885
Clay	Cory	1885
Clay	—	1889
Clay	Bowling Green	1902
Clay	Brazil	1902
Clay	Cory	1902
Clay	—	1970
Clinton	Frankfort	1885
Clinton	Frankfort	1902
Clinton	Rossville	1902
Crawford	Pilot Knob	1851
Crawford	Pilot Knob	1868
Crawford	—	1872
Crawford	Pilot Knob	1885
Crawford	—	1889
Crawford	Pilot Knob	1902
Crawford	West Fork	1902
Crawford	—	1957
Crawford	—	1974
Crawford	Eckerty	1987
Crawford	Marengo	1987
Crawford	Milltown	1987
Crawford	Taswell	1987
Daviess	Cumback	1868
Daviess	Marsh	1885
Daviess	Washington	1885
Daviess	—	1889
Daviess	—	1898
Daviess	Cannelburg	1902
Daviess	Marsh	1902
Daviess	Washington	1902
Daviess	—	1924
Daviess	—	1963
Daviess	—	1970
Daviess	—	1976
Daviess	—	1987
Dearborn	Aurora	1834

County	Town	Year
Dearborn	—	1843
Dearborn	Aurora	1851
Dearborn	—	1860
Dearborn	Aurora	1868
Dearborn	Guilford	1868
Dearborn	Aurora	1885
Dearborn	Cochran	1885
Dearborn	Guilford	1885
Dearborn	—	1889
Dearborn	—	1894
Dearborn	Aurora	1902
Dearborn	Lawrenceburg	1902
Dearborn	Sparta	1902
Dearborn	Wright Corners	1902
Dearborn	Yorkville	1902
Dearborn	—	1906
Dearborn	—	1919
Dearborn	—	1970
Dearborn	Aurora	1987
Dearborn	Dillsboro	1987
Dearborn	Lawrenceburg	1987
Decatur	Greensburg	1868
Decatur	—	1885
Decatur	Alert	1885
Decatur	Greensburg	1885
Decatur	Letts	1885
Decatur	Westport	1885
Decatur	Adams	1902
Decatur	Alert	1902
Decatur	Greensburg	1902
Decatur	Letts	1902
Decatur	—	1970
Decatur	Greensburg	1987
Decatur	Westport	1987
DeKalb	Waterloo	1885
DeKalb	Stafford Twp.	1902
DeKalb	Waterloo	1902
DeKalb	—	1919
DeKalb	Waterloo	1987
Delaware	—	1868
Delaware	Muncie	1885
Delaware	Muncie	1902
Dubois	Jasper	1851
Dubois	Jasper	1868
Dubois	Ellsworth	1885
Dubois	Jasper	1885
Dubois	—	1889
Dubois	Crystal	1902
Dubois	Ellsworth	1902
Dubois	Johnsburg	1902
Dubois	—	1906
Dubois	Jasper	1919
Dubois	—	1970
Dubois	—	1987
Elkhart	Middlebury	1885
Elkhart	Elkhart	1902
Elkhart	Goshen	1902

County	Town	Year
Elkhart	Elkhart	1987
Elkhart	Goshen	1987
Elkhart	Middlebury	1987
Elkhart	Millersburg	1987
Elkhart	Nappanee	1987
Elkhart	NW corner of County	1987
Fayette	Connersville	1868
Fayette	—	1885
Fayette	—	1898
Fayette	Alpine	1902
Fayette	Lyons Station	1902
Fayette	—	1987
Floyd	New Albany	1851
Floyd	New Albany	1868
Floyd	Galena	1885
Floyd	New Albany	1885
Floyd	—	1889
Floyd	—	1898
Floyd	Floyds Knob	1902
Floyd	Galena	1902
Floyd	New Albany	1902
Floyd	—	1906
Floyd	—	1919
Floyd	—	1970
Floyd	Floyds Knob	1987
Floyd	Georgetown	1987
Floyd	Greenville	1987
Floyd	Starlight	1987
Fountain	Covington	1851
Fountain	Covington	1868
Fountain	Covington	1885
Fountain	Hillsboro	1885
Fountain	Kingman	1885
Fountain	Covington	1902
Fountain	Hillsboro	1902
Fountain	Kingman	1902
Fountain	Silverwood	1906
Fountain	—	1911
Fountain	Silverwood	1911
Fountain	—	1970
Fountain	Covington	1987
Fountain	Kingman	1987
Franklin	—	1834
Franklin	—	1851
Franklin	Mount Carmel	1868
Franklin	Peppertown	1868
Franklin	Brookville	1885
Franklin	Mount Carmel	1885
Franklin	Brookville	1889
Franklin	Cedar Grove	1902
Franklin	Laurel	1902
Franklin	Peppertown	1902
Franklin	—	1987
Fulton	Rochester	1868
Fulton	Rochester	1885
Fulton	Leiters Ford	1902
Fulton	Rochester	1902

County	Town	Year
Fulton	Akron	1987
Fulton	Rochester	1987
Gibson	Fransico	1885
Gibson	—	1889
Gibson	Haubstadt	1898
Gibson	Oakland	1898
Gibson	Princeton	1898
Gibson	Fort Branch	1902
Gibson	Haubstadt	1902
Gibson	Oakland City	1902
Gibson	Princeton	1902
Gibson	—	1924
Gibson	—	1963
Gibson	—	1976
Grant	Upland	1851
Grant	Jonesboro	1868
Grant	Marion	1868
Grant	Upland	1868
Grant	Grant	1885
Grant	Jonesboro	1885
Grant	Marion	1885
Grant	Upland	1885
Grant	Southeastern part	1889
Grant	Upland	1898
Grant	Upland	1902
Grant	Southeastern part	1906
Greene	Worthington	1868
Greene	Worthington	1872
Greene	Worthington	1885
Greene	—	1889
Greene	Bloomfield	1902
Greene	Scotland	1902
Greene	—	1919
Greene	—	1970
Greene	Bloomfield	1987
Greene	Jasonville	1987
Greene	Owensburg	1987
Greene	Solsberry	1987
Greene	Worthington	1987
Hamilton	Boxley	1885
Hamilton	Carmel	1885
Hamilton	Carmel	1902
Hamilton	Cicero	1902
Hamilton	Hortonville	1902
Hancock	Philadelphia	1885
Hancock	Greenfield	1902
Harrison	Palmyra	1851
Harrison	Palmyra	1868
Harrison	Palmyra	1885
Harrison	—	1889
Harrison	Palmyra	1902
Harrison	—	1906
Harrison	Corydon	1923
Harrison	Corydon Junction	1923
Harrison	Laconia	1923
Harrison	—	1957
Harrison	—	1957



County	Town	Year
Harrison	Corydon	1957
Harrison	—	1974
Harrison	Corydon	1987
Harrison	Laconia	1987
Harrison	Lanesville	1987
Harrison	Mauckport	1987
Harrison	Middleburg	1987
Harrison	Milltown	1987
Harrison	New Amsterdam	1987
Harrison	Palmyra	1987
Hendricks	Hadley	1834
Hendricks	Hadley	1851
Hendricks	Hadley	1868
Hendricks	Center Valley	1885
Hendricks	Danville	1885
Hendricks	Hadley	1885
Hendricks	Cartersburg	1902
Hendricks	Center Valley	1902
Hendricks	Danville	1902
Hendricks	—	1970
Hendricks	Cartersburg	1987
Hendricks	Clayton	1987
Hendricks	Danville	1987
Hendricks	Hadley	1987
Hendricks	New Winchester	1987
Hendricks	North Salem	1987
Hendricks	Plainfield	1987
Henry	Mechanicsburg	1868
Henry	Spiceland	1868
Henry	Mechanicsburg	1885
Henry	Spiceland	1885
Henry	Middletown	1902
Henry	Mooreland	1902
Henry	Newcastle	1902
Henry	Spiceland	1902
Henry	Spiceland	1919
Howard	—	1902
Huntington	Huntington	1868
Huntington	Huntington	1885
Huntington	Warren	1885
Huntington	Huntington	1902
Jackson	Ewing	1851
Jackson	Ewing	1868
Jackson	Rockford	1868
Jackson	Ewing	1885
Jackson	Medora	1885
Jackson	Rockford	1885
Jackson	Seymour	1885
Jackson	—	1898
Jackson	Brownstown	1902
Jackson	Kurtz	1902
Jackson	Medora	1902
Jackson	Seymour	1902
Jackson	Brownstown	1906
Jackson	—	1970
Jackson	Brownstown	1987
Jackson	Crothersville	1987

County	Town	Year
Jackson	Medora	1987
Jackson	Norman	1987
Jackson	Reddington	1987
Jackson	Seymour	1987
Jackson	Tampico	1987
Jackson	Vallonia	1987
Jasper	—	1885
Jay	Dunkirk	1885
Jay	Dunkirk	1902
Jay	—	1919
Jay	—	1987
Jefferson	Madison	1834
Jefferson	Madison	1851
Jefferson	Madison	1868
Jefferson	Stony Point	1868
Jefferson	Madison	1885
Jefferson	Marble Hill	1885
Jefferson	Stony Point	1885
Jefferson	Deputy	1902
Jefferson	Madison	1902
Jefferson	Madison	1940
Jefferson	—	1970
Jefferson	—	1987
Jennings	North Vernon	1885
Jennings	—	1898
Jennings	Barnes	1902
Jennings	North Vernon	1902
Jennings	Commiskey	1987
Jennings	Hayden	1987
Jennings	North Vernon	1987
Jennings	Scipio	1987
Jennings	Vernon	1987
Johnson	—	1885
Johnson	Franklin	1889
Johnson	Edinburgh	1898
Johnson	Banta	1902
Johnson	Franklin	1902
Johnson	Samaria	1902
Johnson	—	1906
Johnson	—	1970
Johnson	Amity	1987
Johnson	Bargersville	1987
Johnson	Edinburgh	1987
Johnson	Nineveh	1987
Johnson	Trafalger	1987
Knox	—	1842
Knox	—	1859
Knox	Bicknell	1872
Knox	Vincennes	1885
Knox	Vincennes	1889
Knox	Vincennes	1898
Knox	Wheatland	1898
Knox	Bicknell	1902
Knox	Oaktown	1902
Knox	Vincennes	1902
Knox	Wheatland	1902
Knox	Bicknell	1906

County	Town	Year
Knox	Vincennes	1906
Knox	Vincennes	1911
Knox	Vincennes	1924
Knox	Bicknell	1936
Knox	Vincennes	1937
Knox	—	1950
Knox	—	1963
Knox	—	1970
Knox	—	1976
Knox	Vincennes	1987
Kosciusko	Syracuse	1851
Kosciusko	Syracuse	1868
Kosciusko	Leesburgh	1885
Kosciusko	Milford	1885
Kosciusko	Sidney	1885
Kosciusko	Syracuse	1885
Kosciusko	Milford	1902
Lagrange	Lagrange	1868
Lagrange	Lagrange	1885
Lake	—	1872
Lake	Hobart	1885
Lake	Lowell	1885
Lake	—	1888
Lake	Crown Point	1935
Lake	—	1939
Lake	—	1956
Lake	Crown Point	1956
LaPorte	—	1885
LaPorte	—	1888
LaPorte	Rolling Prairie	1898
LaPorte	LaPorte	1902
LaPorte	—	1939
LaPorte	—	1956
LaPorte	—	1956
LaPorte	—	1987
LaPorte	Stillwell	1987
Lawrence	Erie	1868
Lawrence	Mitchell	1868
Lawrence	Erie	1885
Lawrence	Mitchell	1885
Lawrence	—	1889
Lawrence	Bedford	1902
Lawrence	Fort Ritner	1902
Lawrence	Zelma	1902
Lawrence	—	1906
Lawrence	—	1932
Lawrence	—	1940
Lawrence	—	1957
Lawrence	—	1957
Lawrence	—	1970
Lawrence	Bedford	1987
Lawrence	Heltonville	1987
Lawrence	Mitchell	1987
Lawrence	Springville	1987
Madison	—	1834
Madison	—	1851
Madison	—	1868

County	Town	Year
Madison	Lapel	1885
Madison	Pendleton	1885
Madison	Anderson	1902
Madison	Frankton	1902
Madison	Lapel	1902
Marion	Indianapolis	1834
Marion	Indianapolis	1851
Marion	New Augusta	1851
Marion	New Augusta	1868
Marion	Indianapolis	1885
Marion	New Augusta	1885
Marion	New Augusta	1885
Marion	Acton	1902
Marion	Broad Ripple	1902
Marion	Clermont	1902
Marion	Indianapolis	1902
Marion	New Augusta	1902
Marion	—	1970
Marion	Acton	1987
Marion	Broad Ripple	1987
Marion	Clermont	1987
Marion	Indianapolis	1987
Marshall	—	1902
Marshall	Argos	1987
Marshall	Culver	1987
Marshall	Plymouth	1987
Martin	Trinity Springs	1868
Martin	Trinity Springs	1885
Martin	Indian Springs	1902
Martin	Loogootee	1902
Martin	—	1970
Martin	Loogootee	1987
Martin	Shoals	1987
Miami	—	1885
Miami	Gilead	1902
Monroe	Stanford	1851
Monroe	Bloomington	1868
Monroe	Stanford	1868
Monroe	Bloomington	1885
Monroe	Stanford	1885
Monroe	—	1889
Monroe	Bloomington	1902
Monroe	Stanford	1902
Monroe	Unionville	1902
Monroe	—	1906
Monroe	Bloomington	1966
Monroe	—	1970
Monroe	Bloomington	1987
Montgomery	New Ross	1851
Montgomery	Crawfordsville	1868
Montgomery	New Ross	1868
Montgomery	Crawfordsville	1885
Montgomery	Mace	1885
Montgomery	New Ross	1885
Montgomery	—	1898
Montgomery	Browns Valley	1902
Montgomery	Crawfordsville	1902

County	Town	Year
Montgomery	Linden	1902
Montgomery	—	1970
Montgomery	Alamo	1987
Morgan	Martinsville	1834
Morgan	Martinsville	1851
Morgan	Martinsville	1868
Morgan	Martinsville	1885
Morgan	Morgantown	1885
Morgan	—	1889
Morgan	Martinsville	1902
Morgan	Monrovia	1902
Morgan	—	1906
Morgan	—	1970
Morgan	—	1974
Newton	Kentland	1868
Newton	Kentland	1885
Noble	—	1885
Noble	Rome City	1902
Ohio	Bascom	1902
Ohio	Glue	1902
Ohio	Rising Sun	1902
Ohio	Bascom	1919
Ohio	Patriot	1987
Orange	—	1868
Orange	French Lick	1885
Orange	Orleans	1885
Orange	—	1889
Orange	Fargo	1902
Orange	French Lick	1902
Orange	Paoli	1902
Orange	West Baden	1902
Orange	—	1906
Orange	French Lick	1919
Orange	Orleans	1936
Orange	—	1938
Orange	—	1957
Orange	Orleans	1957
Orange	—	1970
Orange	French Lick	1987
Orange	Orleans	1987
Orange	Paoli	1987
Owen	Spencer	1851
Owen	Spencer	1868
Owen	Spencer	1885
Owen	—	1898
Owen	Quincy	1902
Owen	Spencer	1902
Owen	Vandalia	1902
Owen	—	1970
Owen	—	1987
Parke	Rockville	1868
Parke	Rockville	1885
Parke	Judson	1902
Parke	Marshall	1902
Parke	Rockville	1902
Parke	—	1970
Parke	—	1987

County	Town	Year
Perry	—	1868
Perry	Mount Pleasant	1885
Perry	Rome	1885
Perry	Bristow	1902
Perry	Magnet	1902
Perry	Mount Pleasant	1902
Perry	Rome	1902
Perry	Troy	1902
Perry	Dexter	1906
Perry	Rome	1919
Perry	—	1957
Perry	—	1970
Perry	—	1974
Perry	Cannelton	1987
Perry	Tell City	1987
Pike	Petersburg	1868
Pike	Petersburg	1885
Pike	—	1889
Pike	Petersburg	1902
Pike	Velpen	1902
Pike	Petersburg	1919
Pike	—	1924
Pike	—	1970
Pike	—	1987
Porter	—	1888
Porter	—	1902
Porter	—	1939
Porter	—	1956
Porter	—	1956
Porter	Ogden Dunes	1987
Porter	Portage	1987
Posey	—	1859
Posey	New Harmony	1859
Posey	New Harmony	1872
Posey	New Harmony	1872
Posey	—	1877
Posey	New Harmony	1885
Posey	New Harmony	1885
Posey	—	1889
Posey	Mount Vernon	1894
Posey	Mount Vernon	1898
Posey	New Harmony	1898
Posey	Wadesville	1898
Posey	Wadesville	1902
Posey	Goose Pond	1911
Posey	—	1924
Posey	—	1963
Posey	—	1976
Posey	Griffin	1987
Posey	Wadesville	1987
Pulaski	—	1902
Putnam	Greencastle	1834
Putnam	Greencastle	1851
Putnam	Putnamville	1851
Putnam	Greencastle	1868
Putnam	Putnamville	1868
Putnam	Greencastle	1885

County	Town	Year
Putnam	Putnamville	1885
Putnam	Greencastle	1889
Putnam	—	1898
Putnam	Fincastle	1902
Putnam	Greencastle	1902
Putnam	Putnamville	1902
Putnam	—	1906
Putnam	—	1970
Putnam	Cloverdale	1987
Putnam	Greencastle	1987
Putnam	Putnamville	1987
Putnam	Reelsville	1987
Randolph	Trenton	1885
Randolph	Winchester	1885
Randolph	Modoc	1902
Randolph	Ridgeville	1902
Ripley	Sunman	1934
Ripley	Sunman	1851
Ripley	Milan	1868
Ripley	Sunman	1868
Ripley	Sunman	1868
Ripley	Hyde	1885
Ripley	Milan	1885
Ripley	Spades	1885
Ripley	Sunman	1885
Ripley	Sunman	1885
Ripley	Benham	1902
Ripley	Cross Plains	1902
Ripley	Gaff	1902
Ripley	Hyde	1902
Ripley	Napoleon	1902
Ripley	Springdale	1902
Ripley	Sunman	1902
Ripley	Holton	1906
Ripley	Napoleon	1919
Ripley	—	1970
Ripley	Batesville	1987
Ripley	Cross Plains	1987
Ripley	Elrod	1987
Ripley	Holton	1987
Ripley	Milan	1987
Ripley	New Marion	1987
Ripley	Osgood	1987
Ripley	Sunman	1987
Ripley	Versailles	1987
Rush	Arlington	1851
Rush	Arlington	1868
Rush	Arlington	1885
Rush	Arlington	1902
Rush	—	1919
Rush	Rushville	1987
Saint Joseph	Mishawaka	1885
Saint Joseph	South Bend	1902
Saint Joseph	Walkerton	1902
Saint Joseph	South Bend	1919
Saint Joseph	Granger	1987
Scott	—	1851

County	Town	Year
Scott	—	1868
Scott	Scottsburg	1885
Scott	—	1889
Scott	Lexington	1902
Scott	Scottsburg	1902
Scott	—	1906
Scott	Austin	1919
Scott	—	1970
Scott	Austin	1987
Scott	Blocher	1987
Scott	Leota	1987
Scott	Lexington	1987
Scott	Scottsburg	1987
Scott	Vienna	1987
Shelby	—	1885
Shelby	Flat Rock	1902
Shelby	Shelbyville	1902
Shelby	Flat Rock	1987
Shelby	Shelbyville	1987
Spencer	—	1885
Spencer	—	1898
Spencer	Gentryville	1902
Spencer	Gentryville	1902
Spencer	Huff	1902
Spencer	Lincoln City	1902
Spencer	—	1963
Spencer	—	1976
Spencer	Fulda	1987
Spencer	Gentryville	1987
Starke	English Lake	1885
Starke	Knox	1902
Steuben	Angola	1851
Steuben	Angola	1868
Steuben	Angola	1885
Steuben	Orland	1885
Steuben	Helmer	1902
Steuben	Salem Center	1902
Steuben	York	1902
Steuben	Hamilton	1906
Steuben	—	1932
Steuben	Angola	1987
Steuben	Ashley	1987
Steuben	Hamilton	1987
Steuben	Metz	1987
Sullivan	—	1842
Sullivan	—	1859
Sullivan	Pleasantville	1885
Sullivan	Sullivan	1885
Sullivan	—	1889
Sullivan	Eagle	1898
Sullivan	Sullivan	1898
Sullivan	Alumcave	1902
Sullivan	Jackson Hill	1902
Sullivan	Pleasantville	1902
Sullivan	Sullivan	1902
Sullivan	Dugger	1906
Sullivan	Sullivan	1906



County	Town	Year
Sullivan	Sullivan	1911
Sullivan	Shelburn	1937
Sullivan	—	1963
Sullivan	—	1970
Sullivan	—	1976
Sullivan	Dugger	1987
Sullivan	Hymera	1987
Switzerland	Allensville	1868
Switzerland	Vevay	1885
Switzerland	—	1889
Switzerland	Allensville	1902
Switzerland	Moorefield	1902
Switzerland	Vineyard	1902
Switzerland	Rising Sun	1987
Tippecanoe	—	1834
Tippecanoe	—	1851
Tippecanoe	—	1868
Tippecanoe	Stockwell	1885
Tippecanoe	—	1889
Tippecanoe	Lafayette	1898
Tippecanoe	Lafayette	1902
Tippecanoe	Shadeland	1902
Tippecanoe	Stockwell	1902
Tippecanoe	—	1906
Tippecanoe	Lafayette	1923
Tippecanoe	Lafayette	1936
Tippecanoe	Lafayette	1940
Tippecanoe	—	1970
Tippecanoe	—	1987
Tipton	Windfall	1885
Tipton	Normanda	1902
Union	Clifton	1834
Union	Clifton	1851
Union	Clifton	1868
Union	Clifton	1885
Union	Liberty	1885
Union	Clifton	1902
Union	Liberty	1902
Union	Liberty	1987
Vanderburgh	Inglefield	1868
Vanderburgh	Evansville	1885
Vanderburgh	Inglefield	1885
Vanderburgh	Inglefield	1889
Vanderburgh	Armstrong	1898
Vanderburgh	Evansville	1898
Vanderburgh	Zipp	1898
Vanderburgh	Armstrong	1902
Vanderburgh	Evansville	1902
Vanderburgh	Inglefield	1902
Vanderburgh	Kasson	1902
Vanderburgh	Evansville	1924
Vanderburgh	—	1963
Vanderburgh	—	1970
Vanderburgh	—	1976
Vanderburgh	—	1987
Vermillion	Hillsdale	1868
Vermillion	Clinton	1885

County	Town	Year
Vermillion	Hillsdale	1885
Vermillion	Clinton	1902
Vermillion	Hillsdale	1902
Vermillion	Newport	1902
Vermillion	Cayuga	1987
Vermillion	Clinton	1987
Vermillion	Dana	1987
Vermillion	Hillsdale	1987
Vermillion	Newport	1987
Vermillion	Perrysville	1987
Vigo	Terre Haute	1851
Vigo	—	1868
Vigo	—	1885
Vigo	—	1889
Vigo	—	1898
Vigo	Fontanet	1902
Vigo	Lewis	1902
Vigo	Prairieton	1902
Vigo	Sandford	1902
Vigo	Terre Haute	1902
Vigo	Terre Haute	1919
Vigo	—	1970
Vigo	Terre Haute	1987
Wabash	Richvalley	1885
Wabash	—	1902
Warren	Pine Village	1885
Warren	State Line	1885
Warren	Pine Village	1902
Warren	State Line	1902
Warren	West Lebanon	1902
Warren	—	1970
Warren	—	1987
Warrick	Elberfeld	1885
Warrick	—	1889
Warrick	Chandler	1898
Warrick	Newburgh	1898
Warrick	Boonville	1902
Warrick	Chandler	1902
Warrick	Elberfeld	1902
Warrick	Paradise	1902
Warrick	Stanley	1902
Warrick	—	1906
Warrick	Elberfeld	1936
Warrick	—	1963
Warrick	—	1970
Warrick	—	1976
Warrick	Selvin	1987
Washington	Salem	1851
Washington	Salem	1868
Washington	Salem	1885
Washington	Salem	1885
Washington	—	1889
Washington	Bartle	1902
Washington	Salem	1902
Washington	—	1906
Washington	—	1970
Washington	—	1974

County	Town	Year
Washington	Campbellsburg	1987
Washington	Fredericksburg	1987
Washington	Hardinsburg	1987
Washington	Martinsburg	1987
Washington	New Pekin	1987
Washington	Salem	1987
Wayne	Economy	1868
Wayne	Richmond	1868
Wayne	Economy	1885
Wayne	Economy	1902
Wayne	Jacksonburgh	1902
Wayne	Richmond	1902
Wayne	Richmond	1906
Wayne	Richmond	1919
Wayne	Hagerstown	1936
Wayne	Richmond	1936
Wayne	—	1970
Wayne	Richmond	1987
Wells	Bluffton	1885
Wells	Bluffton	1898
Wells	Bluffton	1902
White	Wolcott	1868
White	Monticello	1885
White	Wolcott	1885
White	Monticello	1902
Whitley	—	1885
Whitley	South Whitley	1902
Whitley	Columbia City	1987

