

F O R E S T A N D S H A D E - T R E E I N S E C T S

P E R I O D I C A L C I C A D A (Magicicada septendecim L.)

Massachusetts. A. I. Bourne (June 20): Reported from East Falmouth on June 14 and since that time from Plymouth. Present in large numbers. (June 28): Reported that an adult was observed in a cellar at Osterville on May 11. It is believed that the cicada emerged from the dirt floor. Large numbers collected in the vicinity of Falmouth around the middle of May. Both localities are in Barnstable County.

E. P. Felt (July 1): Reported and observed as occurring in numbers in all the Falmouths, Wianno, Sandwich, and Cotuit, Barnstable County, and at Plymouth.

New York. R. W. Leiby (June 12): Reported as abundant at Saint James, on Long Island.

E. P. Felt (June 25): Colonies found at Cold Spring Harbor and also at Bethpage State Park, both on Long Island.

Mrs. L. Johnson (June): Reported as very abundant in Wyandanch and vicinity on Long Island. Pine, scrub-oak, and maple trees literally covered.

N. Y. State Coll. Agr. News Letter (June): Swarms first appeared at Huntington Road on Long Island on June 4. Since then numerous swarms reported from all around Huntington, Deer Park, and Farmingdale, as well as being found on the Institute grounds. Appeared in enormous numbers during the week of June 10 in a large wooded area 2 miles east of Hicksville and just north of Bethpage. Very numerous in woods northeast of Eastport. Exceedingly numerous in woods south of Jericho Turnpike, at Commack. Numerous about 1 mile east of East Northport, and in woods in Half Hollow Hills, Huntington. Presence reported in several other parts of Long Island.

New Jersey. F. A. Soraci (June 18): No signs of Brood XIV at any point in New Jersey.

Pennsylvania. G. B. Slesman (June 16): Very heavy infestation reported along the William Penn Highway, Huntington County. Quite a few empty pupal cases in woods surrounding Bridgeport, but adults not very plentiful. As only a few adults were found in the vicinity of Sellersville, Bucks County, they were evidently just emerging in this area. Light infestation indicated in the Quakertown area of Bucks County. Several woods scouted in the Bryn Mawr area of Montgomery County, but no evidence of periodical cicada found. Several woods scouted in the Pleasant Valley area of Bucks County, and a few found there, as well as in a wood several miles from Pleasant Valley.

W. R. Walton (June 20): Observed in numbers on June 7 on the South Mountain near Caledonia, Franklin County.

C. A. Thomas (June 24): Found in Chester County as follows: Fairly common south of Parkesburg; very noisy and abundant on June 13 south of Compass; scarce on hills on the south side of Coatesville; very common and

noisy in woods just south and southwest, as well as in scattered woods north of Brandywine; found in small colonies near Downingtown; and a few in small woods along south border of Elverson. Found in small scattered colonies on ridges and common along the Welsh Mountains south of Birdsboro, Berks County.

Maryland. E. N. Cory (May 15): Numerous in Washington County and at the junction of Washington and Allegany Counties. Considerable damage done to peach and apple orchards on Sidling Hill, and a less amount of damage on Tonoloway Hill, Washington County.

J. A. Hyslop (June 6): A single nymph found on a porch at Avenel, near Silver Spring, Montgomery County.

W. R. Walton (June 20): Numbers observed and heard singing in the woods at the foot of Catoctin Mountain, at a point 3 miles west of Lewistown, Frederick County.

F. F. Smith (June 21): Song heard occasionally at Beltsville and in Woodside Park early in June.

Virginia. A. M. Woodside (May): A few present in many localities in Augusta County late in May. Observed at Staunton, Waynesboro, Churchville, and Stuarts Draft, and heard at other places. Observed in very small numbers at Timberville, in Rockingham County, and at Crozet, in Albemarle County.

H. V. Wester (June 6): Collected on a farm at El-Nido, 1 mile east of McLean, Fairfax County.

W. S. Hough (June 15): Noted in apple orchards in Shenandoah, Frederick, and Clarke Counties, particularly near Gore, Frederick County, where they were observed in large numbers.

W. L. McAtco (June 20): A few heard singing on June 9 at a point about $1\frac{1}{2}$ miles west of Vienna, Fairfax County.

West Virginia. W. S. Hough (June 15): Large numbers have appeared in a young apple orchard at Glengary, Berkeley County.

North Carolina. B. H. Wilford (June 15): Reported as present in northwestern part of Burke County and on the Yancy-Madison County line.

Ohio. R. H. Nelson (June): Noted at the following localities in Lawrence County, along the Ohio River: Chesapeake, Sybene, Burlington, North Kenova, South Point, Coal Grove, and Ironton, and along the highway from Ironton to Oak Hill, in Jackson County. Noted that along the Ohio River from Sybene to South Point no cicadas had emerged from the areas deeply flooded in 1937, although, according to report, there was much evidence of egg laying in these areas in 1923. A few were observed to have emerged in areas reached by the crest of the flood but not submerged for the length of time that lower areas were.

J. N. Knull (June): A few adults present 10 miles north of Columbus. One nymphal skin found on June 3 at Clifton, Greene County.

J. S. Houser (June 22): Adults were emerging in abundance on May 22 in the Shawnee Forest, 15 miles northwest of Portsmouth. Reported that first adults were observed 8 miles north of Ripley on June 3, and at a point 4 miles farther south on May 30, and that the brood this year is double the size of the one in 1923. Other reports indicate the brood to be very heavy in southern Ohio.

N. F. Howard (June 24): Present in a young orchard near Chillicothe.

Indiana. J. J. Davis (June 22): Reported as abundant in Brown, Lawrence, and several other counties in the southern half of the State, and as far north as La Fayette, Tippecanoe County.

L. F. Steiner (June 20): Neither observed nor reported in the Vincennes area.

C. O. Mohr (June 24): Recorded near Madison between June 11 and 15.

Kentucky. W. A. Price (June 27): Heavy flights occurred over a large part of eastern and central Kentucky.

Mrs. G. E. Chapman (June 19): Found in the Louisa section of Lawrence County, in the eastern part of the State.

C. O. Mohr (June 24): Recorded between June 11 and 15 within 5 miles of the following localities: Milton, Campbellsburg, New Castle, Shelbyville, Peytonia, Alton, Lawrenceburg, McAfee, Cumberland Falls State Park, Williamsburg, Pineville, and Middlesboro.

Tennessee. G. M. Bentley (June 24): Reported and observed in the following counties: Anderson, Campbell, Coffee, Cumberland, De Kalb, Franklin, Robertson, and Warren.

C. O. Mohr (June 24): Recorded between June 11 and 15 near the following localities: Maynardville, Knoxville, Townsend, and Cookeville.

W. F. Turner (May 20): Taken in a peach orchard in Roane County. (Det. by P. W. Oman) (June 17): Observed on oaks along U. S. Highway No. 27, from Sale Creek, Hamilton County, to the Rhea County line.

A. C. Cole, Jr. (May 20): Extremely abundant on trees over a large area of Dupont Mountain, Chilhowee Range, near Maryville.

J. A. Hyslop (June 4): Numerous and singing in an oak and beech grove at Bristol, Sullivan County.

L. B. Scott (June 25): The periodical cicada has not appeared in the vicinity of Clarksville, Montgomery County, north-central Tennessee. Reported from Springfield, Robertson County.