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**A New Species of *Abgrallaspis* (Homoptera: Coccoidea: Diaspididae) From  
Louisiana<sup>1</sup>**

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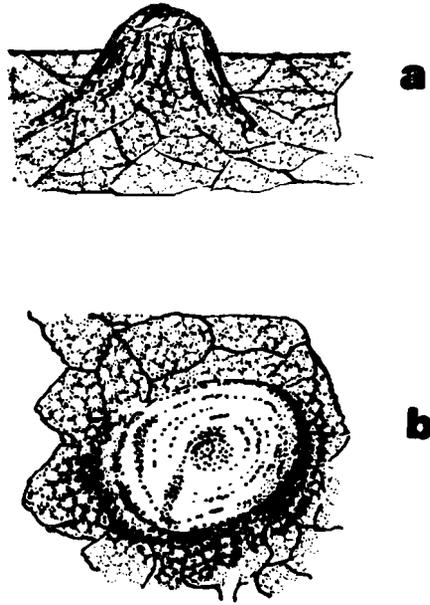


FIG. 1.—*Abgrallaspis liriodendri* a., gall on upper leaf surface of host, and b, scale covering on lower leaf surface.

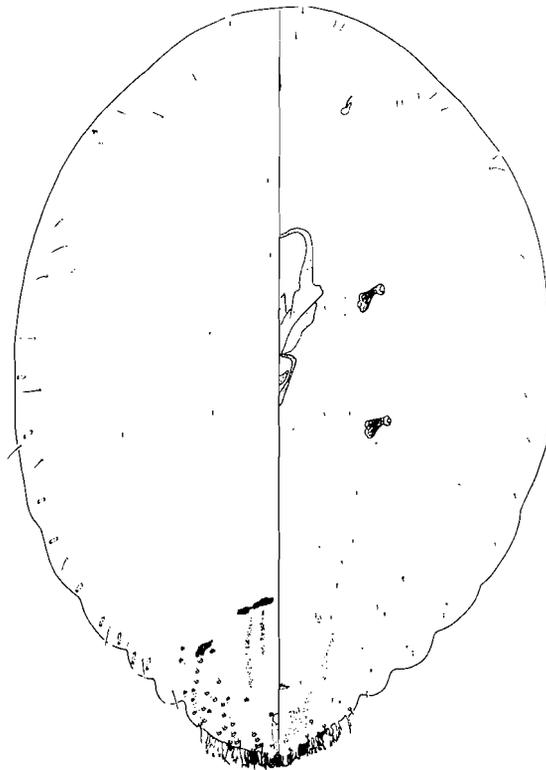


FIG. 2.—*Abgrallaspis liriodendri*, Adult ♀ (3rd instar).

pygidium. Antenna conical, with single, conspicuous, antennal seta slightly longer than length of antenna. Eye spur shaped, located near body margin laterad of clypeolabral shield.

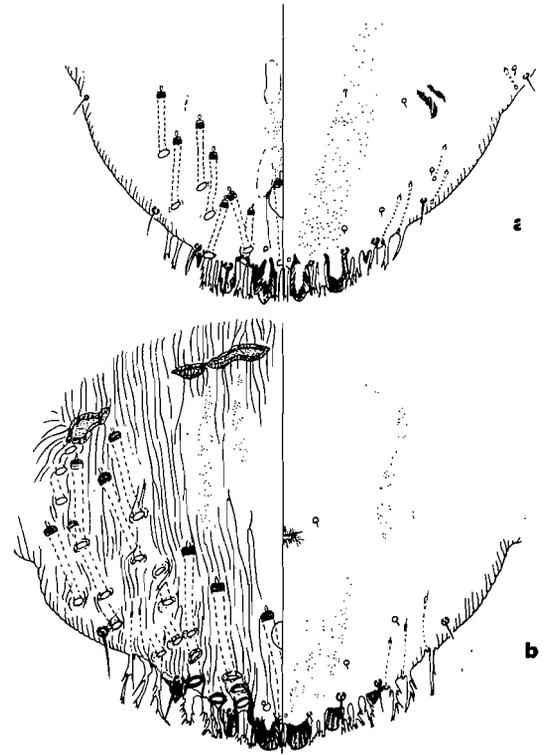


FIG. 3.—*Abgrallaspis liriodendri*, details of pygidial structures of a, 2nd instar ♀, and b, adult (3rd instar).

**Variation.**—Paratypes with prosoma sclerotized; occasionally with 3 paraphyses in 3rd space; 2 or 3 plates anterior of 3rd lobes, which may be simple.

**Second Stage Female (Fig. 3a)**

**Recognition characters.**—Same as adult female except as follows: Mounted, 0.4–0.5 (0.4) mm long, 0.3–0.4 (0.3) mm wide.

Median lobes about 2× as long as wide, axes parallel, apices pointed. Second lobes smaller than median lobes with small notch on both margins. Third lobes represented by small sclerotized triangular point, without notches. Paraphyses obliterated by sclerotization around macroduct orifices. Pygidium with 6 or 7 (7) macroducts on each side of body; longest macroduct in 1st space 30–35 (33) μ long. Ventral microduct on submargin near seta marking segment 5. Prepygidial, marginal macroducts and microducts less abundant than on adult ♀. Anal opening 10 μ long, posterior apex located about 1.5X length of opening from base of median lobes. Eye absent.

**Comparisons with similar species.**—*Abgrallaspis liriodendri* differs from all other species of *Abgrallaspis* known from the United States by lacking perivulvar pores. *Abgrallaspis liriodendri* is similar morphologically to *A. flabellata* (Ferris) and *A. sinensis* (Ferris) because each species lacks perivulvar pores and prepygidial macroducts and has plates anterior of the 3rd lobe. *Abgrallaspis liriodendri* differs from *A. flabellata* by having