

entirely colorless, but the apex and two spots on the inner margin are black, while the outer margin is marked with red. The membrane is marbled with fuscous, and the areoles are chiefly dark fuscous, with white veins at apices. The legs are marked much as in *salicis*, but the black color on the femora is irregularly broken by two or three large, and many small, white spots.

MALE.—Length 5.20, width 1.90. Head width 1.00, vertex 0.26; frons with five or six oblique, reddish lines on either side of median line; base of tylus and spot on either side of basal half, dorsal margins of juga and lora, and slender median line on apical half of tylus, reddish. Rostrum, length 2.34, extending to fifth abdominal sternite. Antennae, first segment, length 0.97, very dark brown, with several small, smooth white spots on dorsal aspect, spines pale; second, 2.30, black, narrow pallid area at base; third, 1.23, black, pale at base and at extreme tip; fourth, 0.91, black. Pronotum, length 0.84, width at base 1.50; propleura black; lower margin, and spot at top of coxal cleft, white; the white of lower margin continued as a ray upon black sternum. Clothed with fuscous to black, simple pubescence intermixed with white, silky pubescence; more yellowish hairs on head and embolium than black ones. Genital claspers distinctive for species, fig. 176.

KNOWN DISTRIBUTION. — Illinois and New Jersey.

Illinois Record.—**WHITE HEATH:** Sept. 10, 1929, C. C. Goff, 1 ♂, KC.

Phytocoris arundinicola new species

This species is distinguished from allied ones by its general pale gray color, with a conspicuous black spot on the inner apical angle of the corium; it also is distinguished by the pale and black, unspotted, first antennal segment. The structure of the male genital claspers is distinctive, fig. 176; the genitalia are apparently nearest in form to those of *buenoi* Knight and *schotti* Knight.

MALE.—Length 5.60, width 2.16. Head width 0.95, vertex 0.35; head white to yellowish, with incomplete lines on frons; marks on middle and on median line at apex, basal half of lora, and dorsal half of bucculae, reddish brown to fuscous; a pair of marks, beginning on collum and extending across collar and between calli, distinctly red orange. Rostrum, length 2.64, extend-

ing to sixth abdominal sternite. Antennae, first segment, length 1.16, tapering to become more slender on apical half, chiefly white, black on anterior aspect, with only one or two small, pallid spots cutting into edge of dark color, setae short, brownish; second, 2.51, chiefly yellowish brown, black at apex and next to pallid basal annulus; third, 1.34, yellowish, fuscous apically; fourth, 0.73. Pronotum, length 0.88, width at base 1.60; pale yellowish to dusky; calli pallid; lower margin of propleura and area on coxal cleft whitish, a black ray crossing lower margin of coxal cleft and flaring out at basal margin; basal edge of disk white, bordered by four black points which are often connected by dark color. Dorsum clothed with pale to brownish, simple pubescence sparsely intermixed with more recumbent, silvery, silky pubescence. Scutellum usually pale yellowish, sometimes dusky; a small fuscous spot indicated on either margin at middle of apical half. Hemelytra dusky gray, with an irregular black area on middle of claval vein and a subtriangular one on inner apical angle of corium; embolium uniformly yellowish gray, except for darkened extreme tip; cuneus with apex and spot on inner margin, and spot on inner margin of paracuneus, fuscous to black. Membrane uniformly pale fuscous, scarcely paler near apex of cuneus; cubitus white around apex of areoles, fuscous where it separates areoles. Legs pale yellowish, tibiae without dark bands; spines yellowish to dark brown; hind pair with black microsetae; femora dark brown to black, with numerous, minute, pallid spots; hind pair with two rather distinct pallid bands on apical half; tarsi fuscous to black. Venter almost white to yellowish; lateral line fuscous; sides of genital segment fuscous. Genital claspers distinctive for species, fig. 176.

FEMALE.—Length 5.60, width 2.16. Head width 0.99, vertex 0.41. Antennae, first segment, length 1.21; second, 2.73; third, 1.55; fourth, 1.38. Pronotum, length 0.95, width at base 1.64. Very similar to male in color and pubescence, but light areas perhaps more extensive.

HABITS.—Breeds on switch cane (*Arundinaria tecta*); doubtless predacious.

Holotype, male.—Vienna, Ill.: July 10, 1935, DeLong & Ross.

Allotype, female.—Same data as for holotype.

Paratypes.—ILLINOIS.—VIENNA: Same