

SOME DIPTERA FROM ARIZONA.

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In a collection of Diptera, taken in Arizona by J. Thomas Lloyd, of Cincinnati, Ohio, during the summer of 1902, I find some species of sufficient importance to warrant recording notes concerning them at this time.

Chrysops proclivis, O. S.—Specimens of this species were taken in Oak Creek Canyon, July 5th. I have not seen a record of the species from this territory heretofore.

Tabanus hyalinipennis, n. sp.—Female. Eyes bare; length 15 mm.; antennæ entirely black; proboscis black; palpi yellowish, with short white hairs; face and front brown, but this colour concealed by gray pollen; lower part of face and cheeks clothed with long white hair; front rather narrow, slightly narrowed below; frontal callosity shining brown, nearly square, and as wide as the front and with a linear prolongation above it; thorax reddish above, with four distinct black stripes, which extend back to the scutellum; margin of scutellum reddish, with white hair, remainder blackish, with black hair; femora black, with gray pollen and white hair; tibiæ reddish; apices black, or at least dark; tarsi black; wings entirely hyaline; veins and stigma brown, all the posterior cells wide open. Abdomen black dorsally; first segment broadly white on each side; posterior margin narrowly white, and a white spot beneath the scutellum; second segment with a prominent white triangle on each side of the middle and a white hind margin, which is three or four times as wide external to the triangles as between them; third segment with a narrow white marking on each side corresponding to the lateral triangles of the previous segment and white hind margin, which expands at the middle into a prominent spot, truncate before and attaining the middle of its segment; fourth segment with a narrow white hind margin, which expands into a prominent median triangle, which attains the anterior border of its segment; fifth, sixth and seventh segments with very narrow white hind margins. Ventrally the abdomen is dark, darkest on the middle, and clothed with gray pollen.

Habitat.—Oak Creek Canyon. Several specimens, two of which are before me; one taken July 2nd and the other July 7th.