

with four broad teeth; clypeus short, sparsely punctured, except at base, margin dentate; mesonotum anteriorly with two oblique lines of whitish pubescence; segment 1 short, with a broad concavity, 2-5 with unusually broad fasciæ of pale pubescence; segment 6 very short and broad, a little convex in profile, clothed with long, appressed, glittering, yellowish or whitish pubescence, sometimes blackish at tip; scopa white, a little fuscous on segment 6; hind tibiæ broader than metatarsi; 12-14 mm.; 5 specimens.

In the paper on Sphecodinæ, Ent. News, 14: 103, Stelidium is a slip of the pen for Sphecodium.

Andrena polemonii belongs to *Ptilandrena*.

BOOK NOTICE.

INSTINCT AND INTELLIGENCE IN THE ANIMAL KINGDOM.—A Critical Contribution to Modern Animal Psychology, by Eric Wasmann, S. J. (Authorized Translation of the Second and Enlarged Edition).—B. Herder, St. Louis, Mo.

This is a book which ought to be read by every scientist for the clear insight which it gives into the dangers of drawing rash conclusions. Wasmann excels in clearness of thought, but most of all for his insistence upon accuracy in using terms. He gives the clearest definition of "instinct" we have ever met with. It is short, but full: "Instinct is a sensitive impulse to actions that are unconsciously adaptive"; or, more fully, "A sensitive impulse which induces a being to perform certain actions, the suitability of which is beyond the perception of the agent that performs them," while "intelligence" is the "power of formal conclusion." Again, he says, "there is a power of sensitive cognition which guides instinctive actions belonging to the exterior senses, and there is also an interior sense which perceives the interior state of the agent and feels the pleasant or disagreeable impression which the object of the exterior sense-perception makes upon it; hence we must add the power of sensitive imagination, and a sensile memory which reproduces exterior sense-perceptions and interior sensile feelings, and combine them, one with another, and with new sense-perceptions according to the nature