

posterior parts, passing marginally into fine shagreening anteriorly; tergum II shagreened.

The above samples taken together seem to indicate that we are dealing with a single variable species that tends to have a dark form with smooth gastric dorsum in upland situations, and a light reddish to dark form with striate gaster in wet lowlands, though exceptions occur in both directions.

[20] The common Chinese species of *Odontomachus* is *O. monticola*, though W. M. Wheeler consistently called it «*O. haematoda*» in his papers on the ants of China. *O. monticola* occurs throughout eastern China, reaching to well beyond Peking on the North China Plain. In the West, in Szechuan, I collected it in farm compounds in the rice fields at Hsuang Liu, near Chengtu, and even above 1000 m in the mountains (Chao Kung Shan) of the Tibetan Scarp just west of Kuan Hsien. I did not find it in southern Shensi, despite extensive collecting around Han Chung, Pao Ch'eng and Sian. It has been taken on Hainan Island («var. *hainanensis*»), Taiwan («var. *formosae*») and Okinawa («*kuroiwae*»); and variants *longi* and *punctulatus* have been described from Assam. The type locality of *monticola* is «Indo China», but in addition to the syntypes, I have seen only 2 workers from Lo Choh Tong in that country. *O. monticola* does not seem to penetrate farther south into the tropical parts of southeastern Asia, where the similar species *O. rixosus* and *O. latidens* apparently replace it.

The most conspicuous variation within *O. monticola* involves the sculpture of the posterior third or more of the head, the vertex («occiput» in most literature), which in full-sized Chinese workers — those above about 2.50 mm head length (HL) — is largely or entirely distinctly striate on its dorsal surface. The pronotal disc is also distinctly transversely striate in most Chinese specimens. But the type of subspecies *pauperculus*, a small worker (HL 2.14 mm) from Mokanshan, Chekiang, has the vertex and pronotal disc smooth and shining. A very similar specimen was taken by me at Chao Kung Shan, in the mountains west of Kuan Hsien, Szechuan Province (HL 2.21 mm). At

Figs. 13-19, workers of *Odontomachus* species, petiole and adjacent structures in side view. Fig. 13, *O. opaciventris* from the Rio Toro Amarillo, near Guapiles, Limon Prov., Costa Rica. Fig. 14, *O. laticeps* from lowland rain forest at La Selva Field Station, Heredia Prov., Costa Rica. Fig. 15, *O. mormo*, holotype. Fig. 16, *O. hastatus* from the Rio Toro Amarillo, Limon Prov., Costa Rica. Fig. 17, *O. latidens* from Mt. Dulit, N Borneo. Fig. 18, *O. monticola* from Chao Kung Shan, near Kuan Hsien, Szech'uan, China. Fig. 19, *O. monticola* from Wo Fu Ssu, near Peking, China.