00000000 7 4 6 2 1 7 4 5 2 7 4 4 2 1 7 7 4 7 2 1 RHOPTROMYRMEX WROUGHTONII, new synonymy of, and By William L. Brown, Jr. Pilot Register of Zoology Department of Entomology brief characterization Card No. 14 Issued 20 May 1964. Cornell University Ithaca, New York, USA Insecta: Hymenoptera: Formicidae Rhoptromyrmex Wroughtonii Forel, 1902, Rev. suisse a broad, more or less crowded band of longitudinal Biology: In western China, this species is moderately Zool., 10: 231, worker, male. Type locality costulae filling the space between the frontal caricommon in open or wooded hilly country, and can be Kanara, India. Syntypes in Coll. Forel, Museum nae, and often extend to the sides of the head as found among rice paddies, maize fields or pastures. d'Histoire Naturelle, Geneva, examined 1963. well; the alitrunk also frequently with well-devel-Nests are usually not found close together; they seem Rhoptromyrmex Wroughtonii st. Rothneyi Forel, 1902, oped rugulae. The propodeal teeth of this form may to be made most often in red or yellow clay soil, and Rev. suisse Zool., 10: 232, worker. Type localvary from short and triangular to moderately long and are surmounted by a crater or heap of soil particles ity Bangalore, s. India. Syntypes in Museum more or less spiniform. that varies from a simple ring to a conspicuous, irregular, multi-turreted, castle-like edifice up to d'Histoire Naturelle, Geneva, examined 1963. New In the extreme "sumatrensis" form of the Sumatran 75 cm in diameter and 50 cm high. The slender towers Rhoptromyrmex Wroughtonii st. Rothneyi var. Longi and chimneys are washed down by heavy rains, but new highlands, the propodeal spines are very long, and Forel, 1902, Rev. suisse Zool., 10: 232, worker. the cephalic rugulae are rather widely spaced, appones are built up within a few days. The nests often Type locality Garo Hills, Assam. Syntypes in roaching in these respects the Melanesian species seem to be very populous, and the workers can be seen tending aphids on nearby plants. The Queensland Museum d'Histoire Naturelle, Geneva, examined 1963. R. melleus. At the other extreme is the type series New synonymy. of R. wroughtonii, from western peninsular India; collection was made in rain forest. Tetramorium wroughtoni, Bingham, 1903, Fauna Brit. this form has the fine reticulate sculpture reduced, India, Hym. 2: 177, worker. Bernardmyo, Upper Burma. so that the interrugal spaces of the head, plus areas Synonymy: The types reviewed (and the description of Tetramorium rothneyi, Bingham, 1903, Fauna Brit. of the alitrunk, are definitely shining. This series subsp. leno) seem to me to represent a single variable species, the extremes of which are linked by a complete India, Hym. 2: 177, worker. also has short propodeal teeth, some of them nearly Rhoptromyrmex rothneyi var. intermedia Forel, 1913, rectangular, and some varying markedly bilaterally range of intergrades, as Forel himself made clear. Zool. Jahrb. Syst., 36: 80, worker. Type locality in the same individual. Beras Tagi, 4500 ft., Sumatra. Syntypes in Muséum d'Histoire Naturelle, Geneva; examined 1963. Petiolar node high and rounded apically; postpetiole New synonymy. with a rounded anteroventral process of varying dist-Rhoptromyrmex rothneyi st. sumatrensis Forel, 1913, inctness, in most samples well-developed. Zool. Jahrb. Syst., 36: 80, fig. W, worker. Type locality Kampong Keling, near Beras Tagi, 4500 ft., Female unknown; male not studied. Sumatra. Syntypes in Museum d'Histoire Naturelle, Geneva, examined 1963. New synonymy. Distribution: Widespread in southeastern Asia, extend-Rhopthromyrmex (!) rothneyi subsp. leno Viehmeyer, ing to southern peninsular India and northwestward 1914, Ent. Mitt., 3: 113, worker. Type locality into Yunnan and the Red Basin of western Szechuan, Perak. Type not seen. New synonymy. probably occurring widely in southern China; Philip-Rhoptromyrmex (Acidomyrmex) var. taivanensis Wheeler, pines; Formosa; Hainan Island; Indonesia west at least 1930, Proc. new engl. zool. Club, 11: 103, worker. to Sumba; base of Cape York Peninsula, northern Type locality Hakumo, Formosa. Syntypes in Museum Queensland. Localities for material reviewed in the of Comparative Zoology, Harvard University, exam-Museum of Comparative Zoology, Harvard University: ined 1964. New synonymy. India: R. wroughtonii types, Kanara (Wroughton). China: Mo Man Shan, near Hsin Ching, western Sze-Fig. 1. Rhoptromyrmex wroughtonii, Worker: Varying markedly by locality in width of worker from Crawford's Lookout, chuan Prov. (W. L. Brown, Jr.). Hills around Kunming, head, petiole and postpetiole; in length and form of about 2500 m, Yunnan Prov. (Brown). Ta Han, Hainan I. northern Queensland propodeal teeth; in distinctness of promesonotal sut-(J. L. Gressitt). Formosa: var. taivanensis types, ure; and in a tendency toward reduction of either the Hakumo (R. Takahashi). Karenko and Rokki (Gressitt). fine reticulate sculpture or the superimposed long-Philippines: Baguio, 700-2000 m., Luzon (F. X. Willitudinal costulae (rugulae). The commonest and most iams). Indonesia: Fort de Kock, Sumatra (E. Jacobson) widespread and constant form is the one that usually Laora, 100 m, nw. Sumba Island (K. Dammerman). Austreceived the name "rothneyi". This has the head and ralia: Crawford's Lookout, just off Millaa Millaa-toalitrunk densely reticulo-punctulate and opaque, over-Innisfail Road, northern Queensland, 300-900 m (P. F. lain with conspicuous longitudinal rugulae that are Darlington). The western Chinese and Australian recmost numerous on the head, where they typically form ords represent great extensions of the known range. Published with the aid of a grant from the Department of Entomology and Limnology, New York State College of Agriculture at Cornell University, Ithaca, New York. Edited by W. L. Brown, Jr. B17 B18 B19 B20 B21 B22 B23 B24 B25 B9 B10 B11 B12 B13 B14 B15 B16

L5

L7

(L8

(L10

L11

L13

(L16

(L17

(L18

(L19

(L21

(L22