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**BURSTING WORKERS: A NEW MEANS OF DEFENCE IN SOCIAL HYMENOPTERA—**(Notice.) When disturbed mechanically, minor workers of *Camponotus (Colobopsis) saundersi* and of *C. sp. near saundersi* contract their gaster until it bursts at an intersegmental fold. The mandibular glands, which extend throughout the whole body, also burst releasing large quantities of a whitish yellow (*C. saundersi*) or bright yellow (*C. sp. near saundersi*) secretion. The secreted fluid is very sticky and attacking ants are unable to move when contaminated with it. The term "*autothysis*" (greek.: self sacrifice) is proposed for the phenomenon. Oecologia (Berl.), 1974, 14, 289-294; U. and E. Maschwitz, Univ. Frankfurt/M.