

Fig. 12 *Pheidole vigilans* minor, head ($\times 62$).

minor, City Markets, 20 Oct 1979, JBK, nest entrance by rubbish basket (PANZ). 5 majors, 30 minors, City Markets, 20 Oct 1979, JBK, on footpath (PANZ). 1 major, 11 minors (Acc. No. 12355), Avondale, 1 Jun 1982, W. Henshall, in house garden (PANZ/ CGNZ). 2 majors, 3 minors (Acc. No. 12968), Te Papapa, 6 Dec 1982, R. Keeney, Rentokil (PANZ). 13 majors, 118 minors (Acc. No. PQA470) Auckland, 11 Feb 1982, R. Steele, wharf area (PANZ). 7 majors, 25 minors, Northcote, College Road, 10 Jan, 22, 23 Feb, 28, 30 Mar 1983, R. T. Baker, in rotting apples, on windfall fruit including apples, 'Granny Smith' apples, peaches, and crab-apples (PANZ/ CGNZ). 6 minors (Acc. No. 13389), Mt Albert, 28 Jan 1983, ORG, after dead spider on lab bench (PANZ/ CGNZ). 1 major, 6 minors, Otahuhu, 18 Apr 1984, RTB, in windfall apples (PANZ/ CGNZ). 2 major, 6 minors, Mt Albert, 2 Dec 1984, AKW, on dock root (NZAC). 3 majors, 3 minors, Mt Albert, 16 Feb 1985, AKW, under stone (NZAC). 4 majors, 4 minors, Mt Albert, 17 Jun 1985, AKW, nest in compost (NZAC). 3 majors, 3 minors, Mt Albert, Sep 1985, AKW, in vegetable garden in ground (NZAC). 1 major, 10 minors, Lynfield, 11 Jan 1987, B. A. Holloway, on fat particles on lawn (NZAC). 1 major, 8 minors, Pt Chevalier, 12 Feb 1987, J. A. Berry, garden path (NZAC). 2 majors, 8 minors, Pt Chevalier, 8 Mar 1987, J. A. Berry, under dog faeces (NZAC). 1 major, 2 minors, Western Springs Reserve, 13 Dec 1987, ORG, in picnic lunch (CGNZ). 1 major, 7 minors, Pt Chevalier, 15 Nov 1988, D. I. Gardiner, associated with

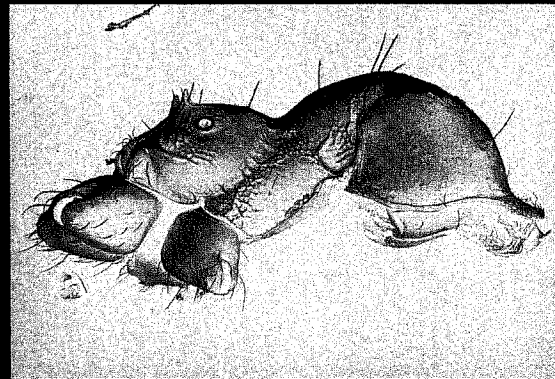


Fig. 13 *Pheidole vigilans* minor, lateral mesosoma ($\times 58$).

Orthodera novaezealandiae (Colenso) (Mantodea) ootheca (NZAC). 2 majors, 15 minors, Henderson, 40 Preston Avenue, 7 Dec 1988, ORG, in garden (CGNZ). 2 majors, 15 minors, Pt Chevalier, 10 Dec 1988, D. I. Gardiner, attacking *Miomantis caffra* Saussure (Mantodea) ootheca and emerging young (NZAC). 3 majors, 4 minors, Green Lane, One Tree Hill, 12 Mar 1989, K. A. J. Wise, south side (AMNZ). 6 majors, 12 minors, Mt Albert, 28 Mar 1989, G. M. Herbert, on cat food (NZAC). 2 minors, Point Chevalier, 20 Apr 1989, D. I. Gardiner, attacking previous season's *M. caffra* ootheca with dead embryos present (NZAC). 2 minors, Mt Albert, MARC campus, mid Oct 1989, S. Dhana, under rock (NZAC). 2 majors, 20 minors, Henderson, 40 Preston Avenue, 27 Jun 1990, ORG, in laundry, after sugar (CGNZ). 3 majors, 8 minors, Henderson, 40 Preston Avenue, 23 Aug 1990, ORG, in slug-damaged windfall grapefruit (CGNZ). 1 major, One Tree Hill, 7 Nov 1990, M. Webby, base of tree (NZAC). 5 minors, Mt Albert, MARC library, 19 Nov 1990, on carnation flowers (NZAC). 2 minors, St Heliers, Dingle Dell Reserve, 16, 17 Jan 1993, J. W. Early, swept in remaining bush remnant (AMNZ). 3 majors, 3 minors, Kohimarama, Tarawera Terrace, 2 Apr 1995, ORG, in gutter (CGNZ). 5 majors, 7 minors, 1 reproductive (headless de-alate queen) (Acc. No. AMNZ 3308-3317), Auckland, Onehunga 20 m, 11 Nov 1995, J. W. Early (AMNZ). 9 major, 48 minors, Auckland Domain, 18 Nov 1995, ORG, CJG, on band rotunda steps attacked by *Paratrechina vaga*, nest in soil and trails carrying breadcrumbs near duck pond, on path behind duck pond, on monument steps feeding on crumbled pistachio nuts, on monument steps (CGNZ). 9 minors, Mt Albert, Ferndale House, New North Road, 18