

IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX
	*		*	*			*				
	*			*		Z	*				
*	*	*		*		Z	*		*	*	
			Z	*							
		*	*	*							
*	*	*	*	*			*		*	*	
		*	*	*			*				
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*	*	*	*	*		Z	*		*		
*	*	*	*	*			*		*	*	
*	*	*	*	*		Z	*		*		*
			Z	*							
		*	Z	*							*
	*			*		Z	Z				
*	*	*	*	*		Z	Z				
			*	*		Z	Z				
			*	*		Z	Z				
			Z <sup>++</sup>	*							
				*		Z					

## ON A COLLECTION OF THYSANOPTERA (INSECTA) FROM ANDAMAN ISLAND

By

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(With 2 Text-figures)

So far there is practically no report of Thysanoptera of Andaman Islands. Only one species on record from the Islands is *Dinotrrips sumatrensis* (Bagnall) by Moulton (1929). With a view to gain knowledge on the Thysanoptera fauna of Andaman Islands a preliminary survey was undertaken during the period 30. iii. 79 to 6. iv. 79 by Dr. T N. Ananthakrishnan & S. Sen. The present paper is based on the collections made during the survey and comprise of 29 species of which 2 are new to science and one new record from India.

SYSTEMATIC ACCOUNT  
Order THYSANOPTERA  
Suborder TEREBRANTIA  
Family THRIPIDAE  
Subfamily THRIPINAE  
Tribe THRIPINI  
Subtribe ANAPHOTHRIPINA

### **Rhamphothrips aureus** (Ananthakrishnan)

1954. *Perissothrips aureus* Ananthakrishnan, *J. zool. Soc. India*, 6 (2) : 159.

1978. *Rhamphothrips aureus* : Bhatti, *Oriental Ins.*, 12 (3) : 286.

*Material examined*.—1 ♀, 2 ♂ Port Blair, III. 78 (Dr. T N. Ananthakrishnan coll.). [Z. S. I. Reg. Nos. 381-383/H17].

*Distribution*.—India : Tamil Nadu ; Maharashtra.

Subtribe THRIPINA  
**Frankliniella schultzei** (Trybom)

1910. *Physopus schultzei* Trybom, *Denksch. med. naturw. Ges. Jena*, 16 : 151.

1948. *Frankliniella schultzei* : Moulton, *Rev. de Ent.*, 19 (1-2) : 100.

1923. *Frankliniella dampfi* Priesner, *Ent. Mitt.*, 12 : 64.

1968. *Frankliniella schultzei* : Mound, *Bull. Br. Mus. (Nat. Hist.) Ent. Suppl.* 11 : 39.

*Material examined.*—1 ♀ Bamboo flat S. Andaman ex. unknown fl. 5. iv. 79. [Z. S. I. Reg. No. 384/H17].

*Distribution.*—All over India : Ghana ; Uganda ; U. K. ; South Australia.

### **Megalurothrips distalis (Karny)**

1913. *Taeniothrips distalis* Karny, *Arch. Naturg.*, 79A : 122.

1969. *Megalurothrips distalis* : Bhatti, *Oriental Ins.*, 3 (3) : 240.

*Material examined.*—2 ♀ ♀ Zoo Garden, Port Blair, S. Andaman ex. Mango inflorescence, 1. iv. 79. ; 1 ♀ Garacharma, S. Andaman ex. dry twigs 1. iv. 79 ; 1 ♀ Tourist Home, Port Blair, S. Andaman ex. *Amaranthus viridis* fl. 3. iv. 79 [Z. S. I. Reg. Nos. 385-388/H17].

*Distribution.*—All over India. Japan to Australia & South Asia.

### **Thrips hawaiiensis (Morgan)**

1913. *Euthrips hawaiiensis* Morgan, *Proc. U. S. natn. Mus.*, 46 : 3.

1913. *Thrips florum* Schmutz, *Sitz. Akad. Wiss. Wien* : 1003.

1945. *Thrips albipes* : Shumsher, *Ind. J. Ent.*, 7 : 170.

1963. *Thrips hawaiiensis* : Ananthakrishnan, *Treubia*, 26 (2) : 86.

1968. *Thrips hawaiiensis* : Gentile & Bailey, *Univ. Calif. Publ. Ent.* 51 : 68.

1969. *Thrips hawaiiensis* : Bhatti, *Oriental Ins.*, 3 (4) : 379.

*Material examined.*—7 ♀ ♀ Tourist Home, Port Blair, S. Andaman, ex. *Amaranthus viridis* fl. 3. iv. 79 ; 1 ♀ Sippighat, S. Andaman, ex. grass 4. iv. 79 ; 1 ♀ Tourist Home, Port Blair, S. Andaman ex. Marigold & Rose fl. 3. iv. 79 ; 2 ♀ ♀ Garacharma, S. Andaman 30. iii. 79 ; 11 ♀ ♀ Rangachang, 5. iv. 79 ; 2 ♀ ♀ Tourist Home, Port Blair, S. Andaman, ex. Goldmohor fl. 3. iv. 79 ; 2 ♀ ♀ Dhanikhari, S. Andaman, ex. bamboo, 1. iv. 79 ; 3 ♀ ♀ Tourist Home, Port Blair, ex. *Vinca rosea* fl ; 3. iv. 79 ; 1 ♀ Bamboo flat, S. Andaman, ex. *Dilbargia siso* fl., 4. iv. 79 ; 5 ♀ ♀ Tourist Home, Port Blair, 3. iv. 79 ; 3 ♀ ♀ Tourist Home, Port Blair, ex. *Hibiscus* sp ; 1 ♀ Dhanikhari, S. Andaman, ex. bamboo 1. iv. 79 ; 2 ♀ ♀ Chriathapu, S. Andaman, ex. unknown fl. 5. iv. 79 ; 3 ♀ ♀ Zoo Garden, Port Blair, S. Andaman, ex. Mango inflorescence, 1. iv. 79 ; 1 ♀ Chriathapu, S. Andaman, ex. unknown fl. 5. iv. 79 ; 3 ♀ ♀ Garacharma, S. Andama, ex. dry twigs 1. iv. 79 ; 3 ♀ ♀ Sippighat, S. Andaman, 4. iv. 79 ; 1 ♀ Tourist Home, Port Blair 3. iv. 79 [Z. S. I. Reg. Nos. 389-440/H17].

*Distribution.*—All over India. : Asia & U. K.

### **Thrips parvus Schmutz**

1913. *Thrips parvus* Schmutz, *Sitz. Akad. Wiss. Wien*, 122 : 1004.

1968. *Thrips parvus* : Gentile & Bailey, *Univ. Calif. Publ. Ent.*, 51 : 74.

*Material examined.*—9 ♀♀ Codiacaud, S. Andaman, ex. Liliaceae fl. 5. iv. 79 ; 1 ♀ Rangachang, S. Andaman, ex. Cotton 5. iv. 79 [Z. S. I. Reg. Nos. 441-450/H17].

*Distribution.*—India : Coimbatore ; Sumatra ; Java ; Sri Lanka.

#### Subfamily PANCHÆTOTHIRIPINAE

#### *Astrothrips parvilimbus* Stannard & Mitri

1962. *Astrothrips parvilimbus* Stannard & Mitri, *Trans. Amer. ent. soc.*, 88 : 197-199.

1975. *Astrothrips parvilimbus* : Wilson, *Mem. Amer. Ent. Inst.*, 23 : 52-53.

*Material examined.*—4 ♀♀ Tourist Home, Port Blair, ex. *Courtaralia* sp., 3. iv. 79 ; 1 ♀ Garacharma, S. Andaman, ex. wild plant 30. iii. 79 ; 1 ♀ Codiacaud, S. Andaman, ex. bamboo 5. iv. 79 ; 1 ♀ Tourist Home, Port Blair, ex. *Hibiscus* sp. 3. iv. 79. [Z. S. I. Reg. Nos. 451-457/H17]

*Distribution.*—South India.

#### *Heliothrips haemorrhoidalis* (Bouche)

1833. *Thrips haemorrhoidalis* Bouche, *Nat. Schadl. Garten Ins.* : 42.

1838. *Heliothrips haemorrhoidalis* : Burmeister, *Handbuch der Ent.*, 2 (part 2, sec. 1) : 412.

1975. *Heliothrips haemorrhoidalis* : Wilson, *Mem. Amer. Ent. Inst.*, 23 : 146.

*Material examined.*—1 ♀ Dilanipur, Port Blair, ex. Cashew 30. iii. 79. [Z. S. I. Reg. No. 458/H17].

*Distribution.*—South India ; Germany ; U. K. ; North America ; Surinam ; Brazil ; Sri Lanka.

#### *Retithrips syriacus* (Mayet)

1890. *Heliothrips syriacus* Mayet, *Les insectes de la vigne* : 451.

1930. *Retithrips syriacus* : Bodenheimer, *Monogr. zur. Angew. Ent.*, 10 : 168.

1910. *Retithrips aegyptiacus* Marchal, *Bull. Soc. ent. d. Egypta* : 7.

1975. *Retithrips syriacus* : Willson, *Mem. Amer. Ent. Inst.*, 23 : 214-218.

*Material examined.*—1 ♂ Bamboo flat, S. Andaman, ex. Bamboo, 4. iv. 79 ; 3 ♀♀ Mongluton, S. Andaman, ex. *Jatropha curcus*, 1. iv. 79 ; 3 ♂♂ Tourist Home, Port Blair, ex. Goldmohor fl., 3. iv. 79 ; 1 ♀, 2 ♂♂ Tourist Home, Port Blair, ex. Goldmohor fl., 3. iv. 79 ; 4 ♂♂ Tourist Home, Port Blair, ex. *Vinca rosea* fl., 3. iv. 79 ; 2 ♂♂ Tourist Home, Port Blair, ex. *Hibiscus* sp. 3. iv. 79 ;

1 ♀ Ranghachang, S. Andaman, 5. iv. 79 ; 3 ♂ ♂ Tourist Home, Port Blair, ex. marigold & rose fl. 3. iv. 79. [Z. S. I. Reg. Nos. 459-476/H17]

*Distribution.*—All over India : Brazil ; Syria ; Egypt ; Lybia.

### **Rhipiphorothrips cruentatus Hood**

1919. *Rhipiphorothrips cruentatus* Hood, *Insec. Inscit Menstr*, 7 : 94.

1975. *Rhipiphorothrips cruentatus* : Wilson, *Mem. Amer. Ent. Inst.*, 23 : 222.

*Material examined.*—1 ♀ Dhanikhari Ghat Area, S. Andaman ex. dry fern 1. iv. 79. [Z. S. I. Reg. No. 477/H17]

*Distribution.*—India : South India ; M. P. : Sri Lanka ; Pakistan, Afghanistan.

### **Selenothrips rubrocinctus (Giard)**

1901. *Physothrips rubrocinctus* Giard, *Bull. Soc. Ent. France*, 15 : 263.

1908. *Heliothrips rubrocinctus* : Franklin, *Proc. U. S. natn. Mus.* 33 : 719-723.

1913. *Selenothrips rubrocinctus* : Hood, *Insec. Inscit. Menstr.*, 1 (12) : 150.

1975. *Selenothrips rubrocinctus* : Wilson, *Mem. Amer. Ent. Inst.*, 23 : 230.

*Material examined.*—1 ♀ Humfrygunj, S. Andaman ex. bamboo 1. iv. 79 ; 3 ♀ ♀ Tourist Home, Port Blair, ex. *Eugenia* sp. 3. iv. 79. [Z. S. I. Reg. Nos. 478-481/H17]

*Distribution.*—India : Kerala ; W. Bengal. Sri Lanka ; North America ; West Indies ; Hawaii Is. ; Mauritius ; Uganda ; Mexico.

#### Suborder TUBULIFERA

#### Family PHLAEOTHIRIPIDAE

#### Subfamily UROTHRIPINAE

### **Baenothrips asper (Bournier)**

1963. *Transithrips asper* Bournier, *Publ. Culf. Co. Diam. Angola*, 63 : 81.

1966. *Transithrips asper* : Ananthakrishnah, *Bull. Ent.*, 7 : 11.

1972. *Baenothrips asper* : Mound, *Aust. J. Zool.*, 20 : 92.

1973. *Baenothrips asper* : Ananthakrishnan, *Occl. Publ. 2 Ent. Res. Unit. Loyola College, Madras* : 71.

*Material examined.*—1 ♀ Dhanikhari, S. Andaman, ex. dry fern 1. iv. 79. [Z. S. I. Reg. No. 482/H17]

*Distribution.*—South & North-Eastern India.

#### Subfamily PHLAEOTHIRIPINAE

### **Aleurodothrips fasciapennis (Franklin)**

1908. *Cryptothrips fasciapennis* Franklin, *Proc. U.S. natn. Mus.*, 33 : 727.

1909. *Aleurodothrips fasciapennis* Franklin, *Ent. News*, 20 (5) : 228.

*Material examined.*—1 ♀ Bamboo flat, S. Andaman, ex. Bamboo 4. iv. 79 ; 1 ♀, 1 ♂ Dhanikhari, S. Andaman ex. bamboo, 1. iv 79 ; 1 ♀ Mongluton, S. Andaman ex. bamboo leaf 1. iv. 79. [Z. S. I. Reg. Nos. 483-486/H17]

*Distribution.*—India : Kerala : Barbados Is. ; Belgium.

#### ***Androthrips flavitibia* Moulton**

1932. *Androthrips flavitibia* Moulton, *Indian For. Rec.*, 19 (1) : 1.

*Material examined.*—2 ♂ ♂ Port Blair, III. 78. (Dr. T N. Ananthakrishnan coll.). [Z. S. I. Reg. Nos. 487-488/H17]

*Distribution.*—India : U. P.

#### ***Dolichothrips nesius* Stannard**

1961. *Dolichothrips nesius* Stannard, *Proc. Hawaii ent. Soc.*, 17 : 457.

*Material examined.*—2 ♀ ♀, 2 ♂ ♂ Port Blair, III. 78 (Dr. T N. Ananthakrishnan coll.). [Z. S. I. Reg. Nos. 489-492/H17]

*Distribution.*—India. Sri Lanka ; Guam.

#### ***Gigantothrips tibialis* Bagnall**

1921. *Gigantothrips tibialis* Bagnall, *Ann. Mag. nat. Hist.*, (9) 7 : 364.

1968. *Gigantothrips tibialis* : Mound, *Bull. Br. Mus. (Nat. Hist.) Ent. Suppl.*, 11 : 105.

*Material examined.*—3 ♀ ♀, 1 ♂ Ross Island, S. Andaman, ex. *Ficus* gall - 31. iii. 79. [Z. S. I. Reg. Nos. 493-496/H17].

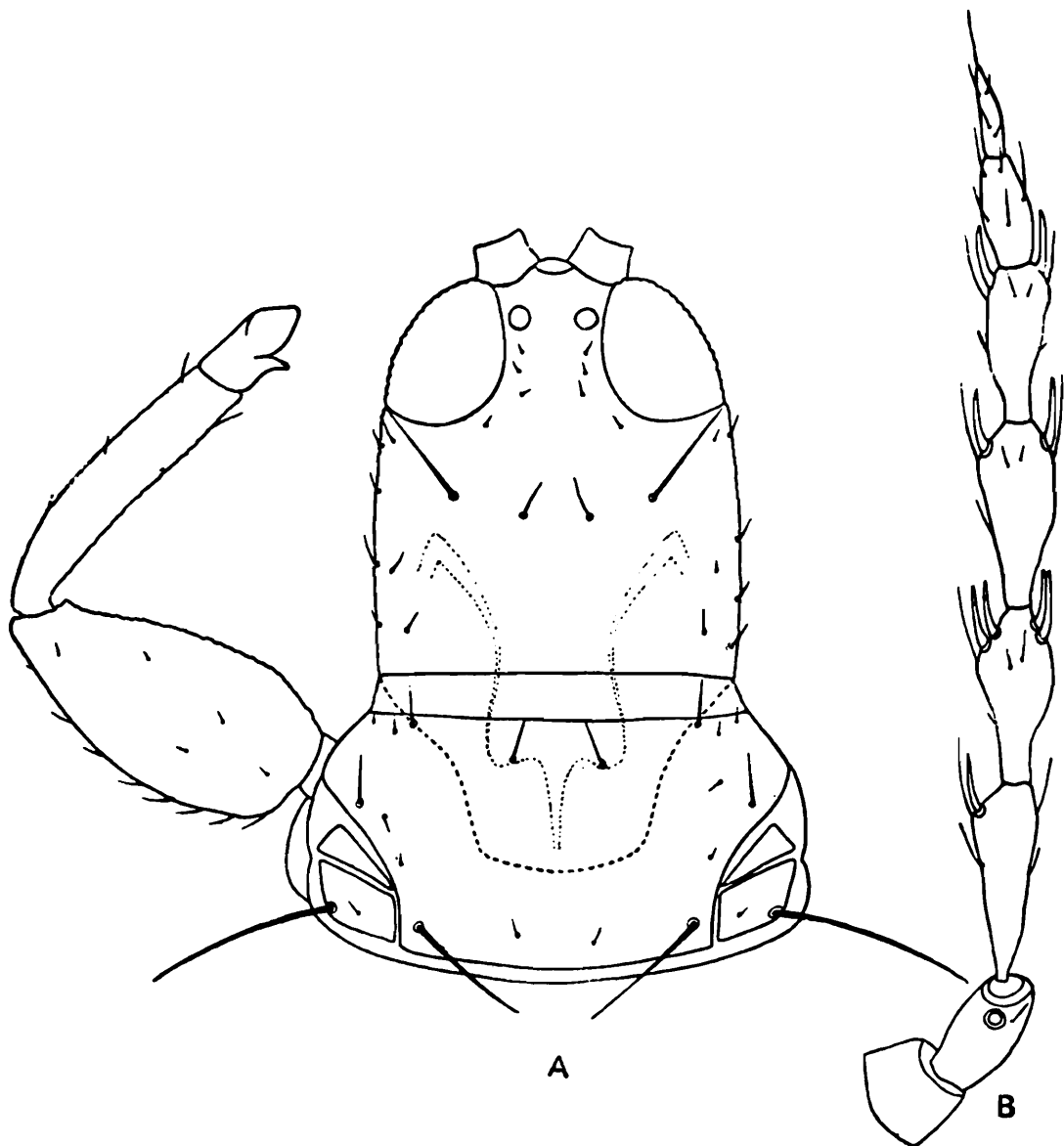
*Distribution.*—India : Tamil Nadu, Karnataka, U. P., W. Bengal, Sri Lanka.

#### ***Gynaikothrips rossi* sp. nov.**

(Text-fig. 1)

*Female (Macropterous)* : General body colour brown, terminal abdominal segments and tube darker ; antennal segment 1 brown, 2 brown at base yellow distally, 3-8 faint yellow ; all femora brown, foretibiae yellow with brownish shade in basal half, mid- and hind tibiae brown in basal three fourth yellow distally, all tarsi yellow ; forewings faint yellow to clear. All setae hyaline and blunt to pointed.

Head little longer than broad, 244\*-254 long, 190 wide across eyes, 210-214 across cheeks and 214-218 across base; cheeks crenulate with 4-7 moderately stout spines, surface strongly reticulate with several scattered setae 12-20 long. Eyes moderately large 92-96 long, 58 wide; all ocelli 24 wide, median ocelli overhanging, paired ones placed much above the middle of eyes almost near the inner tip of eyes. Postoculars 2 pairs, much smaller than eyes and the outer stouter, outer 50-58 and inner 24-32 long respectively, placed 32 below the posterior margin of eyes. Antennal segments 1-8 length (width): I: 38 (38); II: 42-46 (32); III: 80-88 (28); IV: 72-76 (32-36); V: 72-76 (32); VI: 66-76 (28-32); VII: 46 (24); VIII: 36 (12); sense cones on 3-6 moderately thick 24-26 long. Mouthcone short and broad 80-92 long, 134-154 wide at base, 124 at apex; maxillary stylets retracted mesad.



Text-fig. 1. *Gynaikothrips rossi* sp. nov. ♀ ; A. head & prothorax, B. antenna.

\* All measurements are in microns, unless otherwise specified.

Prothorax 142-164 long, 220-228 wide at anterior margin, 254-288 at posterior margin. Pronotal chaetotaxy :- anteroangulars 38-42, anteromarginals 24, midlaterals 24-28, posteroangulars 68-88 and epimerals 114 long respectively; epimeral suture complete. Outer margin of forefemora spiny, inner margin strongly corrugated, base of foretibiae narrow and concave; forefemora 190-206 long, 84-88 wide, foretarsal tooth very minute 12 long. Pterothorax 316-342 long, 400-420 wide across meso - and 380-400 across metathorax; sides of metathorax with 2-3 thorny setae. Forewings broad, 901-935 long, 84 wide at base, 76 at middle and 54-58 at apex with 15-20 double fringes; basal wing setae  $B_3$  stouter, 38-42, 58-76 and 70-80 long respectively. Mesopraesternum well developed with a median crest.

Abdomen 368-380 wide at base, 298-314 at middle, 240-264 across segment VIII and 176-180 across segment IX.  $B_1$ - $B_8$  of segment IX : 262-266, 228-246 and 284-288 long respectively. Tube 292-324 long; anal setae 228 long.  
Total body length : 2.43-2.58 mm.

*Male (Macropterous)* : Colouration as in female. Head 228-232 long, 180 wide across eyes, 200-204 across cheeks and 196-200 across base. Eyes 80-88 long, 58-62 wide; postoculars-outer 50 and inner 38 long respectively. Antennal segments 1-8 length (width) : I : 38 (36-38); II : 42 (28); III : 76-84 (24); IV : 72 (28-32); V : 72 (28-32); VI : 62-66 (28); VII : 42 (20); VIII : 36-38 (12). Mouthcone 68-80 long, 122-138 wide at base, 96 at apex.

Prothorax 134-148 long, 202-218 wide at anterior margin, 274 at posterior margin. Pronotal chaetotaxy - anteroangulars 36-38, anteromarginals 20-24, posteroangulars 54, epimerals 62-76, long respectively. Forefemora 172-186 long, 76 wide, foretarsal tooth 12 long. Pterothorax 286-304 long, 362-380 wide at meso - and 346-372 at metathorax. Forewings 833-850 long, 72 wide at base and middle and 64 at apex with 14-16 double fringes basal wing setae 36, 50 & 50 long respectively.

Abdomen 304-346 wide at base, 248-296 at middle, 184-190 across segment VIII and 147-152 across segment IX.  $B_1$ - $B_8$  of segment IX : 172-220, 46 and 228-248 long respectively, Tube 252-256 long, anal setae 210 long.

Total body length :- 1.9-2.21 mm.

*Type specimen.*—*Holotype* ♀ (Z. S. I. Reg. No. 497/H17) *allotype* ♂ (Z. S. I. Reg. No. 498/H17). *paratypes* 10 ♀ ♀, 1 ♂ (Z. S. I. Reg. Nos. 499-509/H17) India : Andaman Is. Ross Is., S. Andamans, ex. *Ficus* sp., gall, 31. iii. 79 (Dr. T. N. Ananthkrishnan & S. Sen coll.) deposited in the National Zoological Collections, Zoological Survey of India, Calcutta.

The new species comes close to *G. bengalensis* Ananthkrishnan



but it is a distinct species differs in the possession of comparatively shorter head, outer postoculars much shorter than eyes, antennal colouration. Outer margin of forefemora spiny and inner margin strongly corrugated; base of foretibiae narrow and concave; sides of metathorax with 2-3 thorny setae; epimeral much longer than posteroangulars; basal wing setae  $B_3$  stouter are some of the unique features of the new species.

### **Haplothrips ganglbaueri** Schmutz

1913. *Haplothrips ganglbaueri* Schmutz, *Sitz. Akad. Wiss. Wien*, **122** : 1034.  
 1976. *Haplothrips ganglbaueri* Pitkin, *Bull. Br. Mus. (Nat. Hist.) Ent.*, **34** (4) : 249.

*Material examined*.—1 ♀ Bamboo flat, S. Andaman ex. bamboo, 4. iv. 79; 2 ♀ ♀ Rangachang, S. Andaman ex. tall grass - 5. iv. 79. 2 ♀ ♀ Sippighat, S. Andaman, ex. grass 4. iv. 79; 4 ♀ ♀ Culicut Basti, S. Andaman ex. grass 5. iv. 79; 1 ♀ Codiacaud, S. Andaman ex. bamboo 1 iv. 79; 3 ♀ ♀ Rangachang, S. Andaman ex. tall grass 5. iv. 79; 1 ♀ Tourist Home, Port Blair ex. Marigold & Rose fl., 3. iv. 79; 1 ♀ Tourist Home, Port Blair, 3. iv. 79. 7 ♀ ♀ Sippighat, S. Andaman, ex. grass 4. iv. 79; 1 ♀ Tourist Home, Port Blair, ex. *Amaranthus viridis* fl. 3. iv. 79; 1 ♀ Dhanikhari, S. Andaman, ex. Bamboo 1. iv. 79. [Z. S. I. Reg. Nos. 510-533/H17]

*Distribution*.—All over India. : Sri Lanka; Java; Philippines.

### **Haplothrips gowdeyi** (Franklin)

1908. *Anthothrips gowdeyi* Franklin, *Proc. U.S. natn. Mus*, **33** : 724.  
 1921. *Haplothrips gowdeyi* : Watson, *Fla. Ent.*, **4** : 38.  
 1913. *Haplothrips soror* Schmutz, *Sitz. Akad. Wiss. Wien*, **122** : 1036.  
 1976. *Haplothrips gowdeyi* : Pitkin, *Bull. Br. Mus. (Nat. Hist.) Ent.*, **34** (4) : 251.

*Material examined*.—1 ♀ Tourist Home, Port Blair, ex. marigold fl. [Z. S. I. Reg. No. 534/H17]

*Distribution*.—India : South India : Rajasthan; West Bengal. Barbados; Sri Lanka.

### **Haplothrips tenuipennis** Bagnall

1918. *Haplothrips tenuipennis* Bagnall, *Ann. Mag. nat. Hist.*, (9) **1** : 210.  
 1976. *Haplothrips tenuipennis* : Pitkin, *Bull. Br. Mus. (Nat. Hist.) Ent.*, **34** (4) : 254.

*Material examined*.—4 ♀ ♀, 2 ♂ ♂ Zoo Garden, Port Blair, ex. Mango inflorescence, 1. iv. 79; 1 ♀ Rangachang, S. Andaman 5. iv. 79; 2 ♀ ♀, 1 ♂ Garacharma, S. Andaman, ex. dry twigs 1. iv. 79; 5 ♀ ♀ Sippighat, S. Andaman, ex. mango inflorescence 4. iv. 79; 2 ♀ ♀ Sippighat, S. Andaman, 4. iv. 79; 10 ♀ ♀ Tourist

Home, Port Blair, *ex. Amaranthus viridis* fl. 1. iv. 79 ; 2 ♀ ♀, 1 ♂  
 Zoo Garden, Port Blair, *ex. Mango* inflorescence 1. iv. 79 ; 1 ♀  
 Rangachang, S. Andaman 1 ♀ Bamboo flat, S. Andaman, *ex. Dil-*  
*bargia sisso*, 4. iv. 79. [Z. S. I. Reg. Nos. 535-566/H17]

*Distribution.*—India : W. Bengal ; M. P. ; Maharashtra ; Assam ;  
 Rajasthan ; Delhi. Java.

### **Karnyothrips melaleucus (Bagnall)**

1911. *Hindsiana melaleuca* Bagnall, *Ent. Mon. Mag.*, 47 : 61.  
 1927. *Karnyothrips melaleuca* : Hood, *Pan Pacif. Ent.*, 3 : 176.  
 1947. *Watsoniella melaleuca* : Bailey, *Florida Ent.*, 30 : 22.  
 1968. *Karnyothrips melaleucus* : Pitkin, *Bull. Br. Mus. (Nat. Hist.) Ent., Suppl.*  
 11 : 128.  
 1976. *Karnyothrips melaleucus* : Pitkin, *Bull. Br. Mus. (Nat. Hist.) Ent.*, 34  
 (4) : 263.

*Material examined.*—1 ♀ Dolligunj, S. Andaman, *ex. dry twigs*,  
 1. iv. 79 ; 3 ♀ ♀ Saithankhari, S. Andaman, *ex. bamboo*, 4. iv. 79 ;  
 1 ♀ Dhanikhari, S. Andaman, *ex. bamboo* 1. iv. 79 ; 2 ♀ ♀  
 Humfrygunj, S. Andaman, *ex. bamboo* 1. iv. 79. [Z. S. I. Reg. Nos.  
 567-573/H17]

*Distribution.*—India : South India. Denmark ; Vietnam ; China ;  
 North America ; Hawaii Is. ; South Africa ; Egypt.

### **Mesothrips jordani Zimmerman**

1900. *Mesothrips jordani* Zimmerman, *Bull. Inst. Bot. Buit.*, 7 : 16.  
 1976. *Mesothrips jordani* ; Ananthakrishnan, *Oriental Ins.*, 10 (2) : 191.

*Material examined.*—2 ♀ ♀ Ross Islands, S. Andaman, *ex. Ficus*  
 galls, 31. iii. 79. [Z. S. I. Reg. No. 574-575/H17]

*Distribution.*—India : Tamil Nadu ; N. E. India ; W. Bengal.  
 Java ; Malaya ; Hongkong.

### **Podothrips bicolor Seshadri & Ananthakrishnan**

1954. *Podothrips bicolor* Seshadri & Ananthakrishnan, *Indian J. Ent.*, 16 (3) :  
 221.  
 1974. *Podothrips bicolor* : Ritchie, *J. Ent. (B)*, 43 (2) : 271.

*Material examined.*—1 ♀ Bamboo flat, S. Andaman. *ex. bamboo*,  
 4. iv. 79 ; 3 ♀ ♀, 2 ♂ ♂ Dilanipur, S. Andaman, *ex. bamboo leaves*  
 30. iii. 79 ; 1 ♂ Rangachang, S. Andaman, 5. iv. 79 ; 1 ♂ Prothra-  
 pur, S. Andaman, *ex. Anacardium occidentale* 4. iv. 79. [Z. S. I. Reg.  
 Nos. 576-583, H17]

*Distribution.*—South India : Singapore.

**Podothrips odonaspicola (Kurosawa)**

1937. *Haplothrips (Hindsiana) odonaspicola* Kurosawa, *Kontyu*, **11** (3) : 266.  
 1974. *Podothrips odonaspicola* : Ritchie, *J. Ent. (B)*, **43** (2) : 277.

This species is recorded for the first time from India, hitherto, known only from Japan and is distinguished by bicolourous body ; forewings with 2-4 double fringes ; antennal segment 1 brown, 2 brown at base ; forefemora brown in basal half.

*Material examined.*—3 ♀ ♀, 1 ♂ Dhanikhari, S. Andaman, ex. bamboo 1. iv. 79 ; 1 ♂ Garacharama, S. Andaman, ex. dry twigs 1. iv. 79 ; 1 ♀ Chiriathapu, S. Andaman, ex. unknown fl. 5. iv. 79. [Z. S. I. Reg. Nos. 584-589/H17]

*Distribution.*—Japan.

**Praepodothrips priesneri Ananthakrishnan**

1955. *Praepodothrips priesneri* Ananthakrishnan, *Ann. Mag. nat. Hist.*, (12) **8** : 608.  
 1976. *Praepodothrips priesneri* : Pitkin, *Bull. Br. Mus. (Nat. Hist.) Ent.*, **34** (4) : 268.

*Material examined.*—3 ♀ ♀, 1 ♂ Humfrygunj, S. Andaman, ex. bamboo 1. iv. 79. [Z. S. I. Reg. Nos. 590-593/H17]

*Distribution.*—Madras.

**Stigmothrips okajimai Muraleedharan & Sen**

1979. *Stigmothrips okajimai* Muraleedharan & Sen, *Rec. zool. Surv. India* [In Press]

*Material examined.*—2 ♀ ♀ Dhanikhari, S. Andaman, ex. dry fern, 1. iv. 79. [Z. S. I. Reg. Nos. 594-595/H17]

*Distribution.*—North-Eastern India.

**Xylaplothrips pictipes (Bagnall)**

1919. *Haplothrips pictipes* Bagnall, *Ann. Mag. nat. Hist.*, (9) **4** : 273.  
 1968. *Neohegeria pictipes* : Mound, *Bull. Br. Mus. (Nat. Hist.) Ent. Suppl.* **11** : 139.  
 1969. *Haplothrips (Xylaplothrips) pictipes* : Ananthakrishnan, *Indian Thysanoptera* : 139.  
 1976. *Xylaplothrips pictipes* : Pitkin, *Bull. Br. Mus. (Nat. Hist.) Ent.*, **34** (4) : 274.

*Material examined.*—2 ♀ ♀ Prothrapur, S. Andaman, ex. *Anacardium occidentale* 4. iv. 79 [Z. S. I. Reg. Nos. 596-597/H17]

*Distribution.*—South India.

Subfamily IDOLOTHRIPINAE

*Neosmerinthothrips fructuum* Schmutz

1913. *Neosmerinthothrips fructuum* Schmutz, *Sber. Akad. Wiss. Wien*, 122 : 1052.  
 1925. *Oedemothrips ceylonicus* Karny, *Bull. ent. Res.*, 16 : 137.  
 1974. *Neosmerinthothrips fructuum* : Mound, *Bull. Br. Mus. (Nat. Hist) Ent.*, 31 (5) : 152.

*Material examined.*—3 ♀♀ Garacharma, S. Andaman, ex. dry twigs 1. iv. 79 ; 1 ♀ Sippighat, S. Andaman, ex. bushes 4. iv. 79 ; 5 ♀♀, 6 ♂♂ (5 brachypterous). Garacharma, ex. dry twigs 1. iv. 79 ; 2 ♀♀, 1 ♂ Dolligunj, S. Andaman, ex. dry twigs 1. iv. 79 ; 1 ♀, 1 ♂ Dolligunj, S. Andaman, ex. unknown plant 1. iv. 79. [Z. S. I. Reg. Nos. 598-617/H17]

*Distribution.*—India : Kerala ; Karnataka ; M. P. & West Bengal. Sri Lanka.

*Polyphemothrips andamanensis* sp. nov.

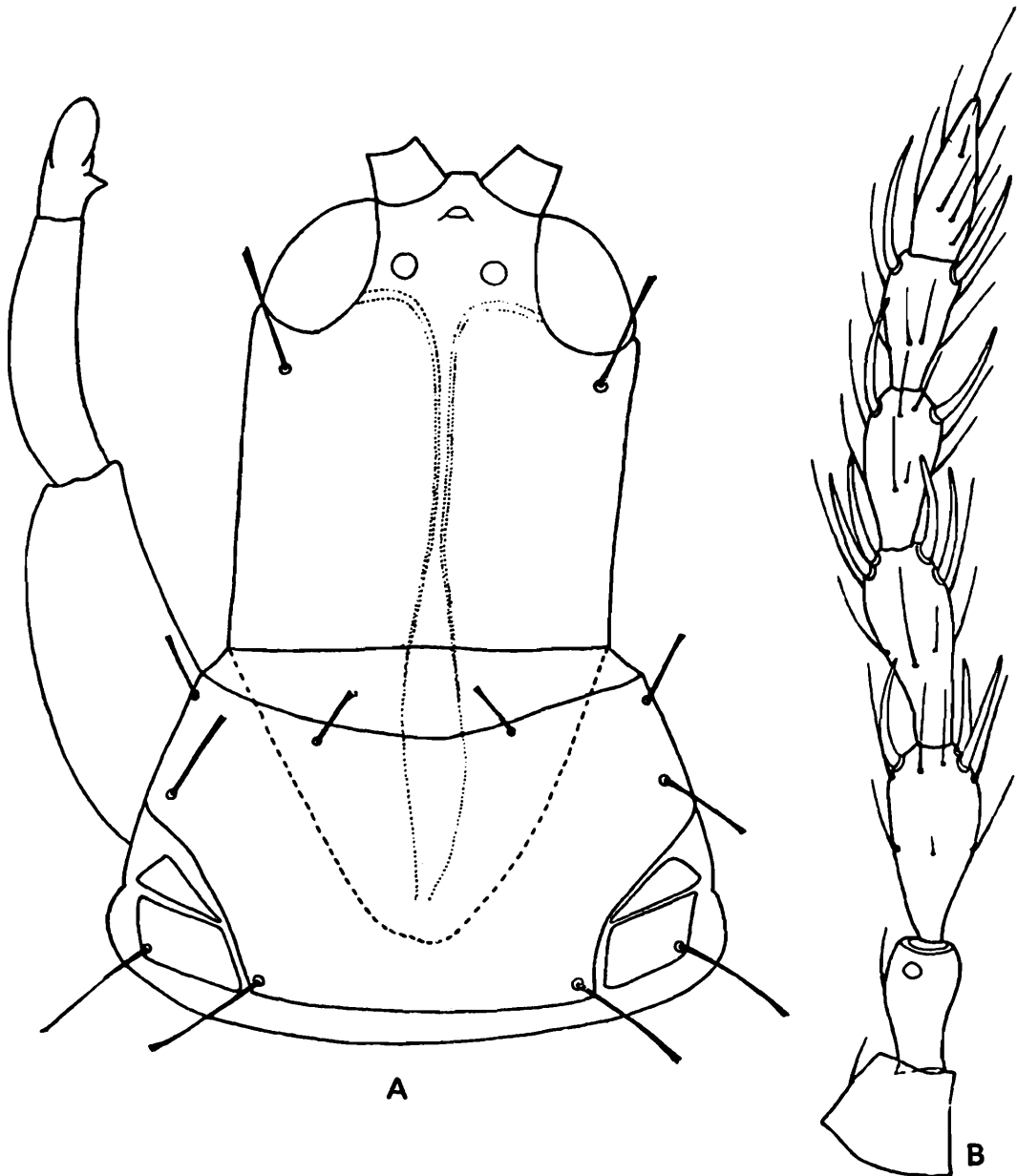
(Text-fig.2)

*Female (Macropterous)* : General body colour bright yellow ; head in patches, entire prothorax and sides of abdomen with red pigmentation ; tube brown ; antennal segments 1-4 light brown, 5 & 6 yellow in basal half and brown distally, 7 dark brown ; forefemora and foretibiae yellow with brownish shade ; mid- and hindfemora brown except at extreme apex, mid- and hindtibiae yellow, all tarsi yellow foretarsi darker ; forewings light grey with a median streak. All body setae hyaline and blunt at apex.

Head little longer than broad 266-276 long, 222-228 broad across eyes, 244-256 across cheeks, 240-248 across base ; cheeks smooth bulged below eyes with 3-4 small spines. Eyes 76 long, 54-68 wide ; all ocelli 32 wide, median ocellus placed below the base of antennae. Postoculars knobbed about as long as eyes 72-76 long. Antennal segments 1-7 length (width) : I : 38-42 (46-50) ; II : 58 - 68 (32-34) ; III : 80-84 (38) ; IV : 76-84 (38) ; V : 62-70 (36) ; VI : 58 (32) ; VII : 70 (28-30) ; sense cones on 3-6 very long and moderately thick 72-76 long. Mouthcone very long, pointed 172-184 long, 202-212 wide at base, 76-84 at apex ; maxillary stylets retracted occluded, meeting at middle.

Prothorax shorter than head 184-190 long, 270-278 wide at anterior margin, 342-348 at posterior margin. Pronotal chaetotaxy - anteroangulars 38, anteromarginals 36, midlaterals 46-58, posteroangulars 64-70, epimerals 66-76 long respectively ; epimeral suture complete. Forefemora 228 long, 76-100 wide, foretarsal tooth 16-20

long. Pterothorax 304-324 long, 344-358 wide across meso - and 312-328 across metathorax, Forewings broad 935-952 long, 70-76 wide with 11-13 double fringes; basal wing setae 42, 58 & 58-66 long respectively.



Text-fig. 2. *Polyphemothrips andamanensis* sp. nov. ♀ ; A. head & prothorax, B. antenna.

Abdomen 324-360 wide at base, 342-348 at middle, 286-304 across segment VIII and 172-180 across segment IX. Pelta pyramyd shaped with a basal wing.  $B_1$ - $B_3$  of segment IX : 190, 152 & 210 long respectively. Tube convex at middle, apex narrow 202-210 long, anal setae 172-184 long.

Total body length : 2. 16-2. 38 mm.

*Type specimen*.—*Holotype* ♀ (Z. S. I. Reg. No. 618/H17) and