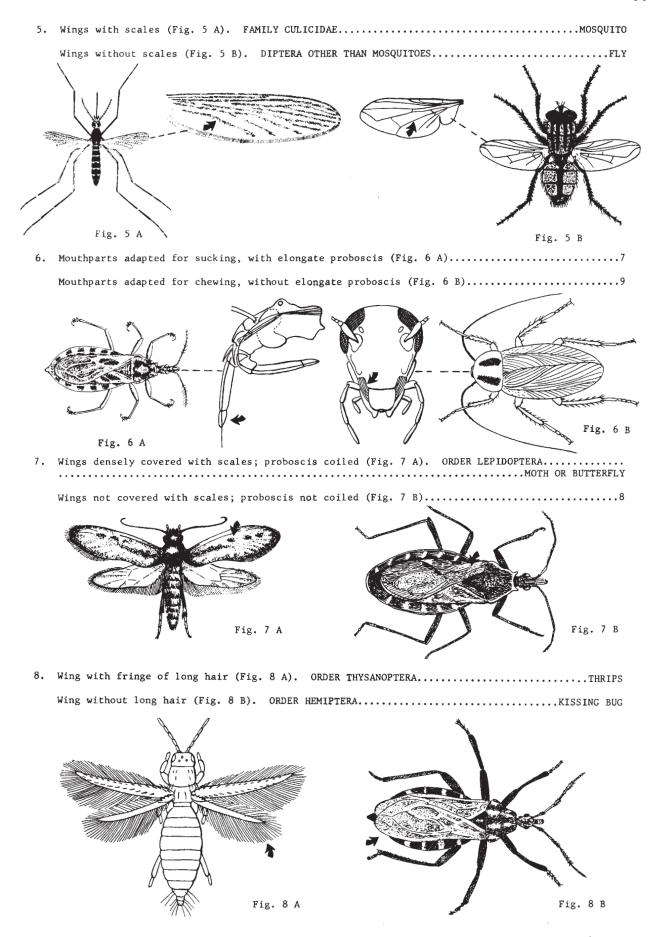
ARTHROPODS OF PUBLIC HEALTH IMPORTANCE: KEY TO COMMON CLASSES AND ORDERS Harold George Scott and Chester J. Stojanovich 1. Three or 4 pairs of walking legs (Fig. 1 A & B)......2 Fig. 1 C Fig. 1 B _ _ mouthparts Fig. 2 A Fig. 2 B 3. Wings present, well developed (Fig. 3 A)......4 Fig. 3 C Fig. 3 A Fig. 3 B 4. With one pair of membranous wings (Fig. 4 A). ORDER DIPTERA......5 With two pairs of wings (Fig. 4 B & C)......6

Fig. 4 B

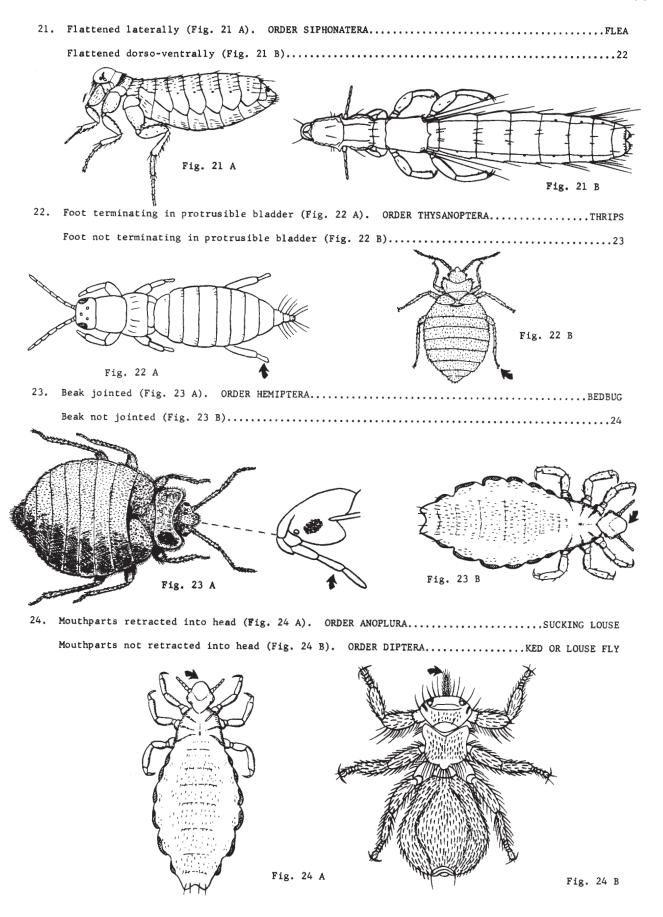
Fig. 4 C

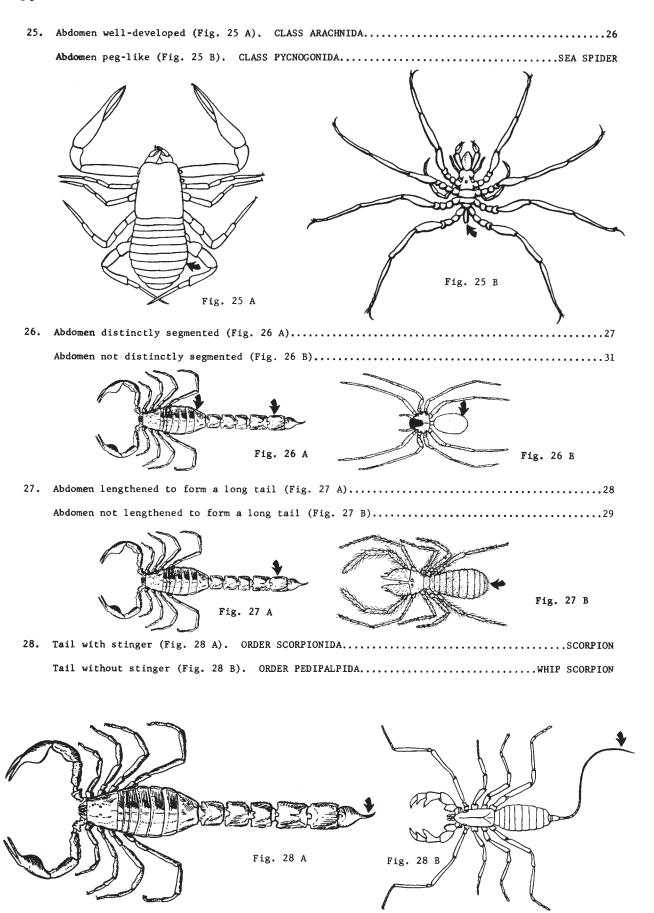


9. Both pair of wings membranous and similar in structure (Fig. 9 A)......10 Front pair of wings shell-like or leathery, serving as covers for the second pair (Fig. 9 B)......11 Fig. 9 A Fig. 9 B 10. Both pairs of wings similar in size (Fig. 10 A). ORDER ISOPTERA......TERMITE Hind wing much smaller than front wing (Fig. 10 B). ORDER HYMENOPTERA.....BEE, HORNET, WASP, YELLOW JACKET, OR ANT Fig. 10 A Fig. 10 B Front wings leathery or paper-like, with distinct veins (Fig. 11 B). ORDER ORTHOPTERA.....COCKROACH Fig. 11 B Fig. 11 A 12. Abdomen with prominent cerci; wings shorter than abdomen (Fig. 12 A). ORDER DERMAPTERA......EARWIG Abdomen without prominent cerci; wings covering abdomen (Fig. 12 B). ORDER COLEOPTERA......BEETLE Fig. 12 B Fig. 12 A

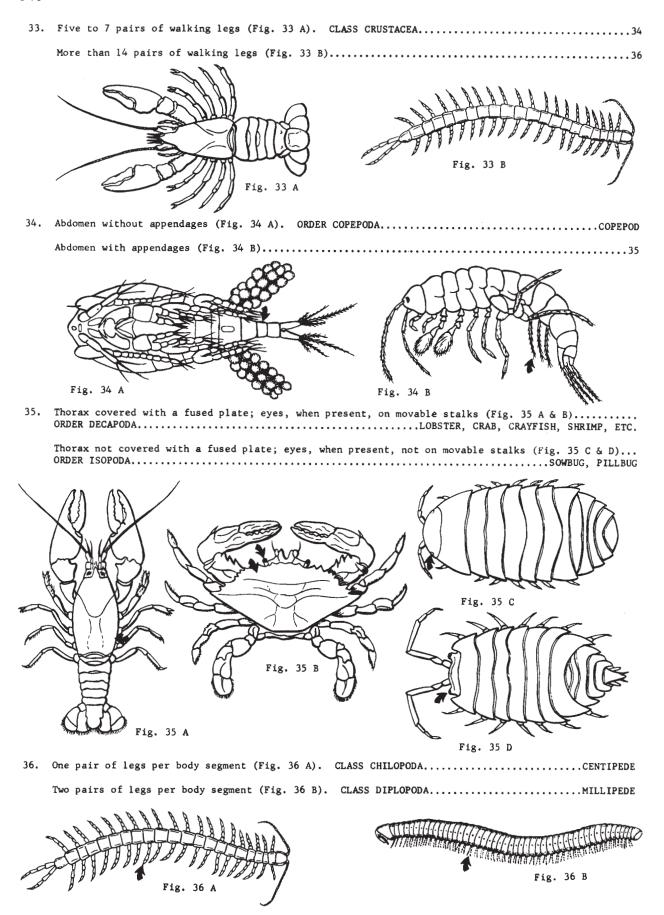
13.	Mouthparts with jaws for chewing (Fig. 13 A)	14
	Mouthparts with a long beak or stylets for sucking up food (Fig. 13 B)	21
	Fig. 13 A	. 13 B
14.	With three long terminal tails (Fig. 14 A). ORDER THYSANURASILVERFI	SH AND FIREBRAT
	Without three long terminal tails (Fig. 14 B)	
		/
	Fig. 14 A	Fig. 14 B
15.	Abdomen with prominent pair of cerci (Fig. 15 A). ORDER DERMAPTERA	EARWIG
15.	Abdomen without prominent pair of cerci (Fig. 15 A). ORDER DERMAPTERA	
15.		
Ę	Abdomen without prominent pair of cerci (Fig. 15 B).	Fig. 15 B
Ę	Abdomen without prominent pair of cerci (Fig. 15 B). Fig. 15 A	Fig. 15 B
Ę	Abdomen without prominent pair of cerci (Fig. 15 B). Fig. 15 A With narrow waist (Fig. 16 A). ORDER HYMENOPTERA. Without narrow waist (Fig. 16 B).	Fig. 15 B

17. Antenna with fewer than 8 segments (Fig. 17 A)	18	
Antenna with more than 8 segments (Fig. 17 B)19		
	- Common	
Fig. 17 A	Fig. 17 B	
18. Abdomen with 6 or fewer segments (Fig. 18 A). ORDER		
Abdomen with more than 6 segments (Fig. 18 B). ORDER	MALLOPHAGACHEWING LOUSE	
Fig. 18 A	Fig. 18 B	
19. Tarsus with 4-5 segments (Fig. 19 A)	20	
Tarsus with 1-3 segments (fig. 19 B). ORDER PSOCOPTE		
ONDER 13000FIE	DOOK LOUSE OR PSOCID	
Fig. 19 A	Fig. 19 B	
20. Pronotum narrower than head, never covering head (Fig.	20 A). ORDER ISOPTERATERMITE	
Pronotum broader than head, often covering head (Fig. 20 B). ORDER ORTHOPTERACOCKROACH		
Fig. 20 A	Fig. 20 B	

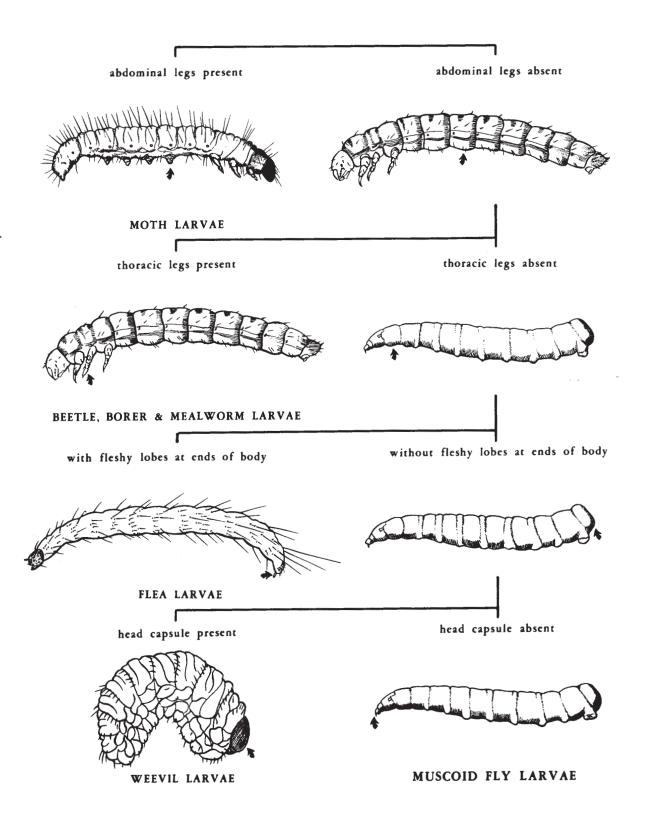




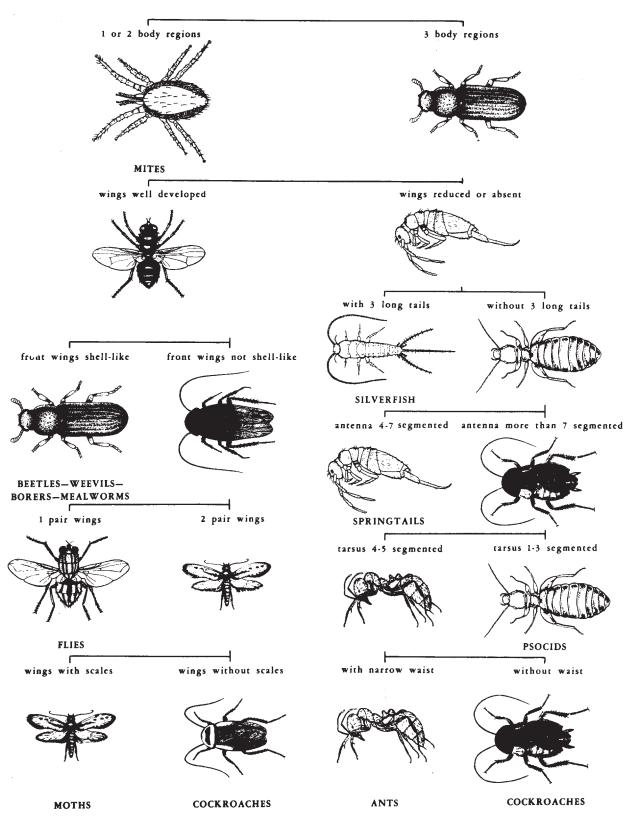
29. With large pincer-like claws (Fig. 29 A). ORDER PSEUDOSCORPIONIDA......PSEUDOSCORPION Fig. 29 A 30. Legs not longer than body (Fig. 30 A). ORDER SOLPUGIDA......SUN SPIDER Legs much longer than body (Fig. 30 B). ORDER PHALANGIDA.......DADDY LONG-LEG SPIDER Fig. 30 B Fig. 30 A 31. Abdomen constricted to form a narrow waist (Fig. 31 A). ORDER ARANEIDA......SPIDER Abdomen not constricted (Fig. 31 B)..... Fig. 31 A Fig. 31 B 32. Body with long hair; Haller's organ absent (Fig. 32 A). ORDER ACARINA......MITE Body without hair or short hair; Haller's organ present (Fig. 32 B). ORDER ACARINA.....TICK organ Fig. 32 A Fig. 32 B



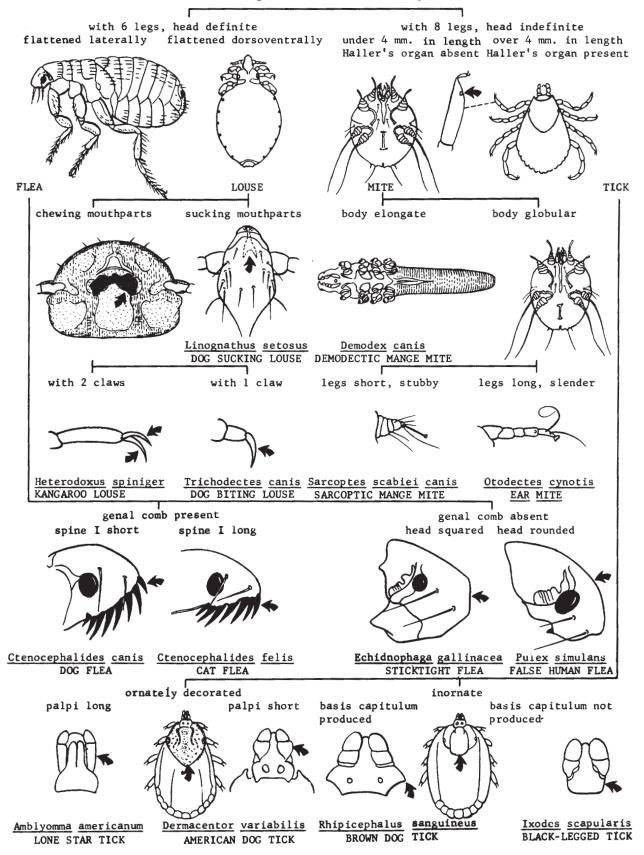
HOUSEHOLD AND STORED-FOOD PESTS: PICTORIAL KEY TO COMMON LARVAE Chester J. Stojanovich & Harold George Scott



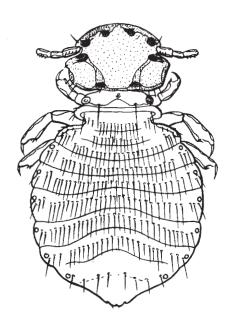
HOUSEHOLD AND STORED-FOOD PESTS: KEY TO COMMON ADULTS Harold George Scott & Chester J. Stojanovich



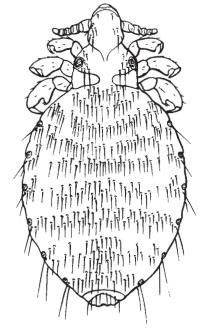
ECTOPARASITES OF THE DOG: PICTORIAL KEY TO COMMON SPECIES Harold George Scott & Chester J. Stojanovich



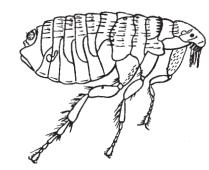
REPRESENTATIVE ECTOPARASITES OF THE DOG Chester J. Stojanovich



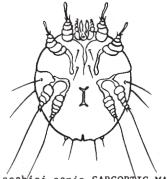
Trichodectes canis DOG BITING LOUSE



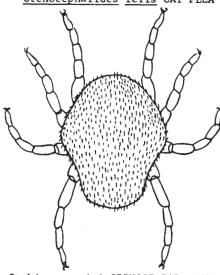
<u>Linognathus setosus</u> DOG SUCKING LOUSE



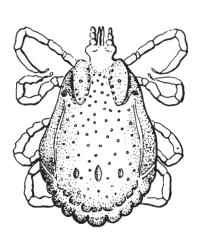
Ctenocephalides felis CAT FLEA



Sarcoptes scabiei canis SARCOPTIC MANGE MITE



Otobius megnini SPINOSE EAR TICK



Rhipicephalus sanguineus BROWN DOG TICK

HUMAN ECTOPARASITES: KEY TO COMMON GROUPS Chester J. Stojanovich and Harold George Scott

