

Scabies and other parasitic skin diseases

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English version HJ 2020



Skin parasitic diseases caused by arthropoda

1. Scabies

mite *Sarcoptes scabiei var. hominis*

Incubation period 2-4 weeks

Itchy small papules, burrows in horny layer

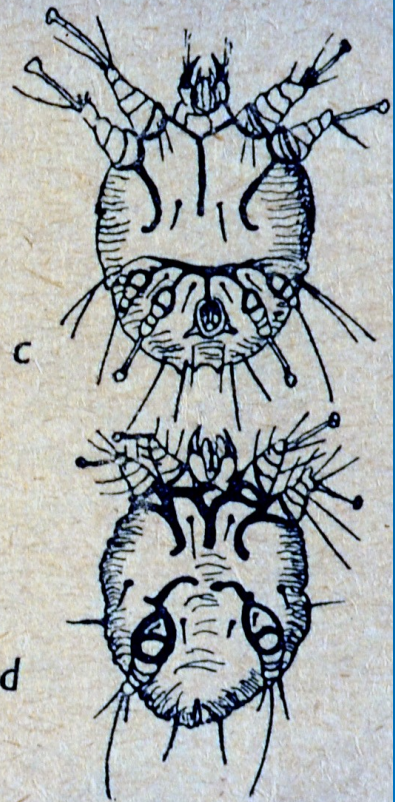
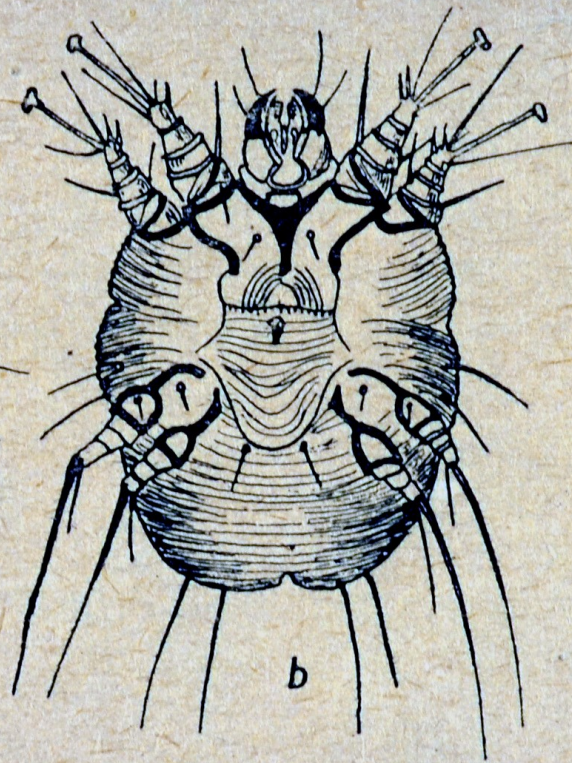
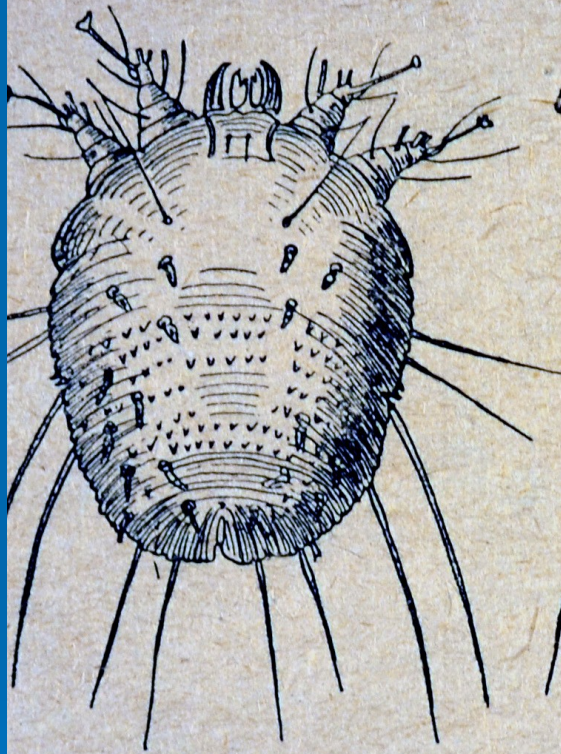
Secondary bacterial infection

Typical predilection sites

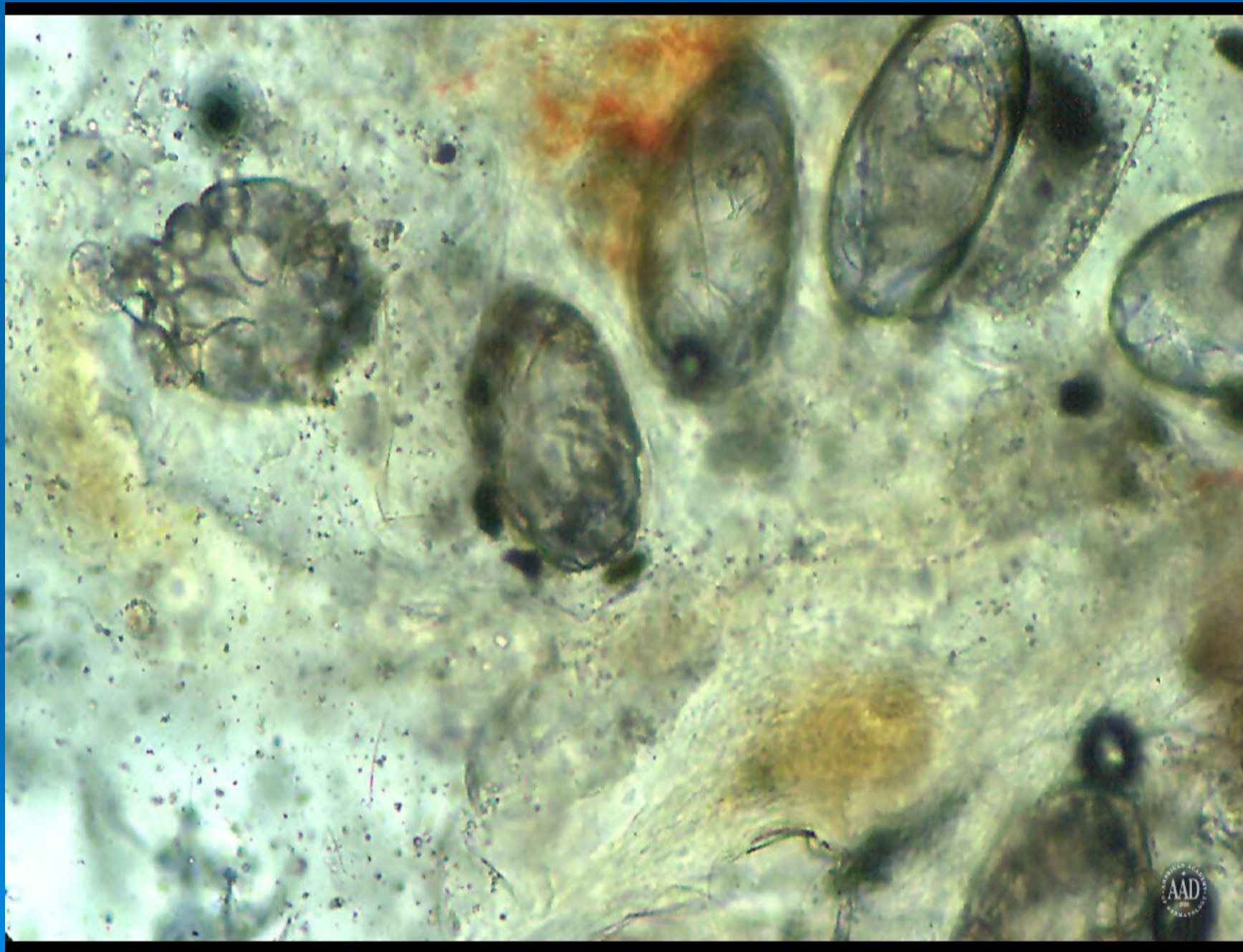
Chronic scabies – nodules

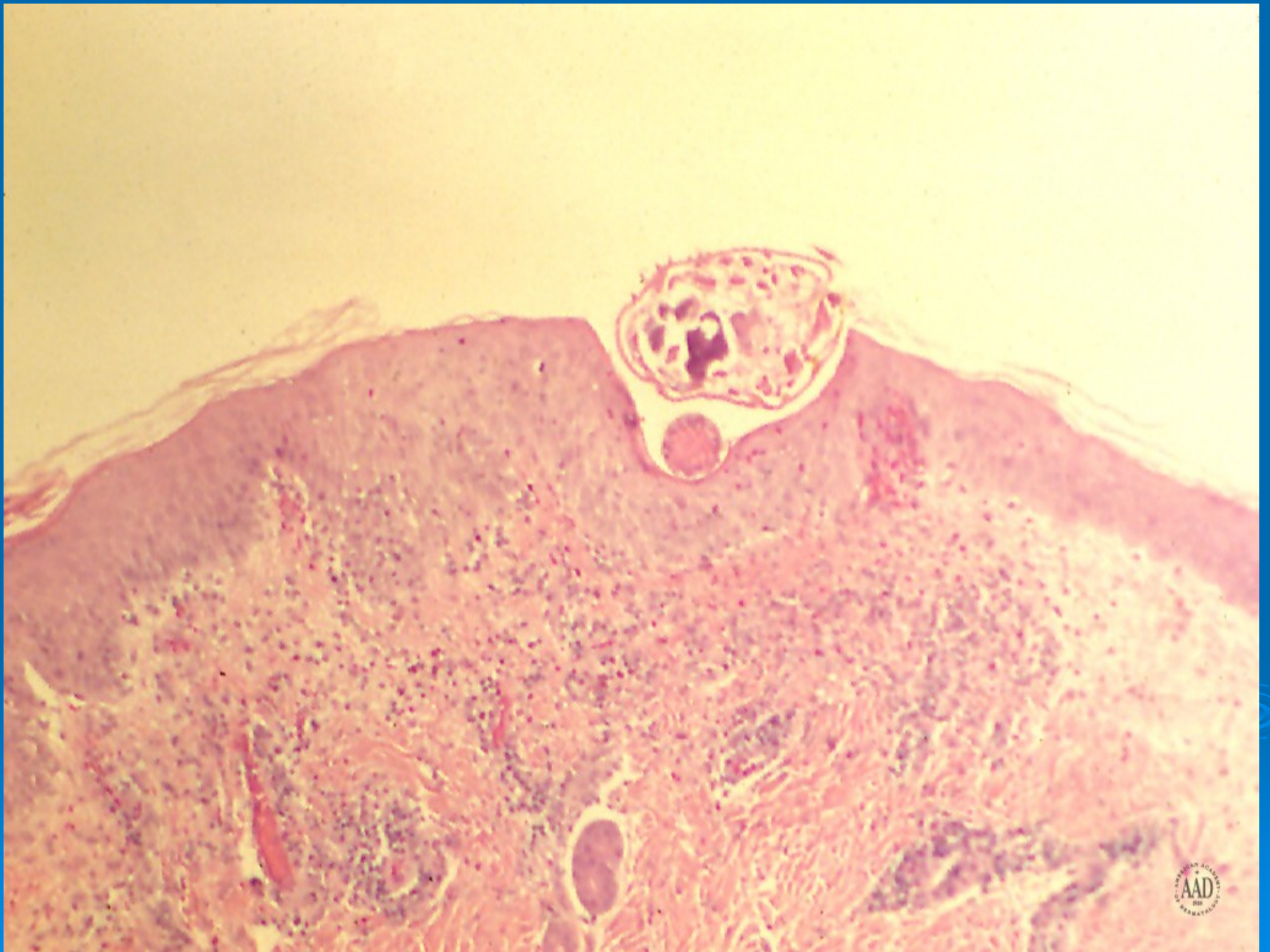
In immunocompromised people crusted lesions –
Norwegian scabies

Therapy and epidemiologic measures necessary











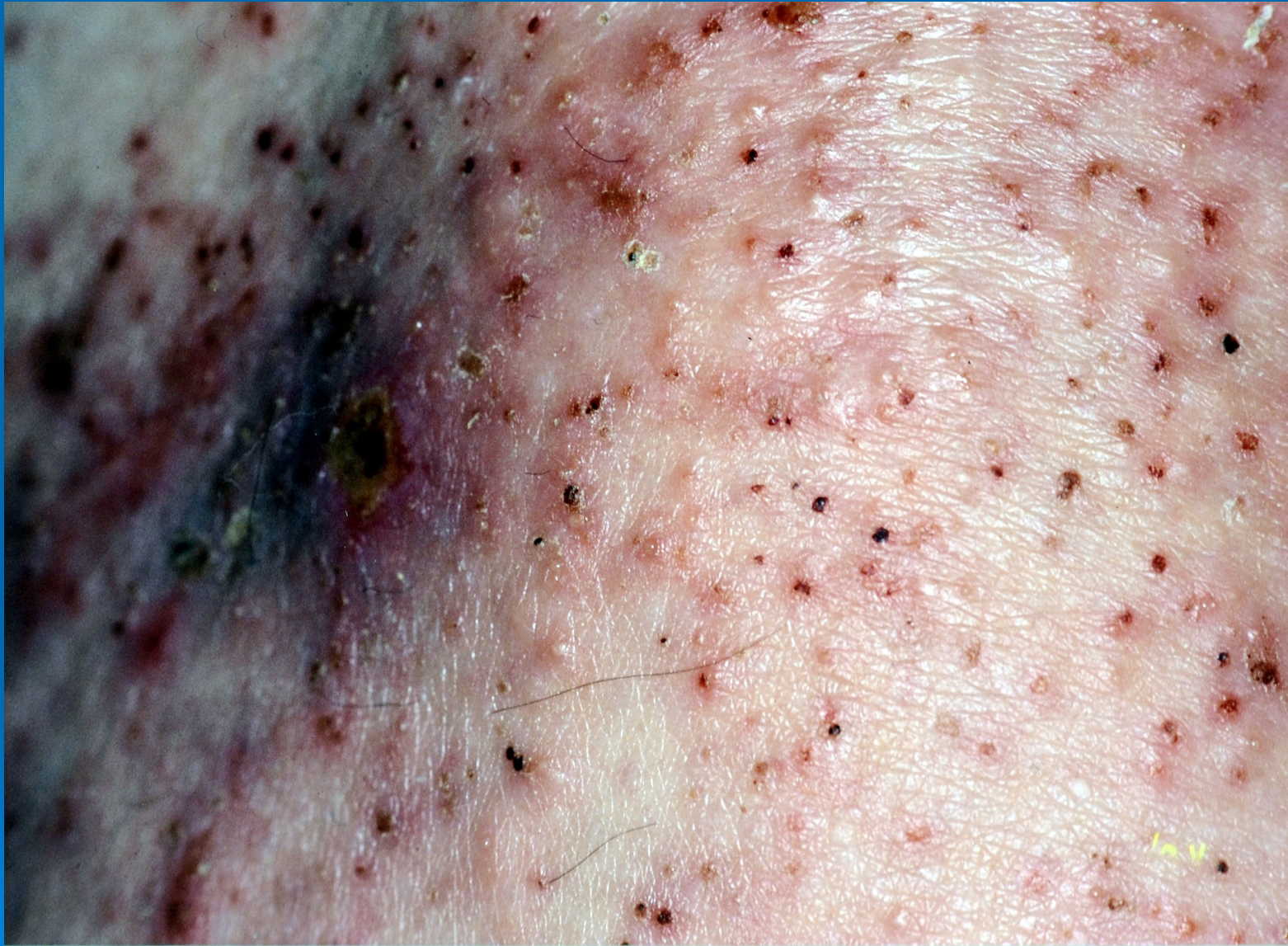


















Skin parasitic diseases caused by insect (blood suckers)

2. Pediculosis

Pediculus capitis

Phthirus pubis

Pediculus corporis (louse borne typhus *Rickettsia prowazekii*)

Macules, papules, hives

Tx permethrin, silicon oil

3. Pulicosis

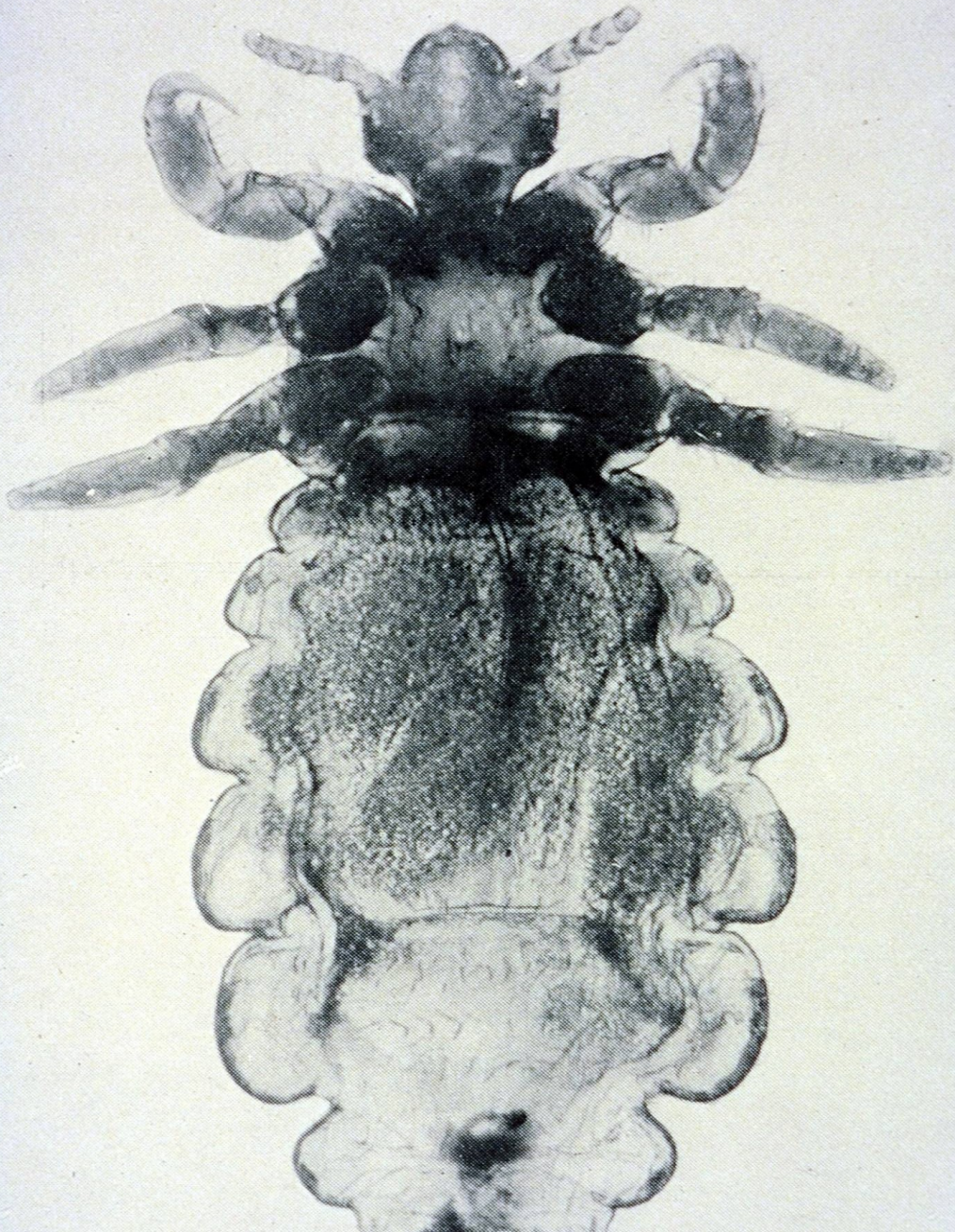
Pulex irritans (flea) human

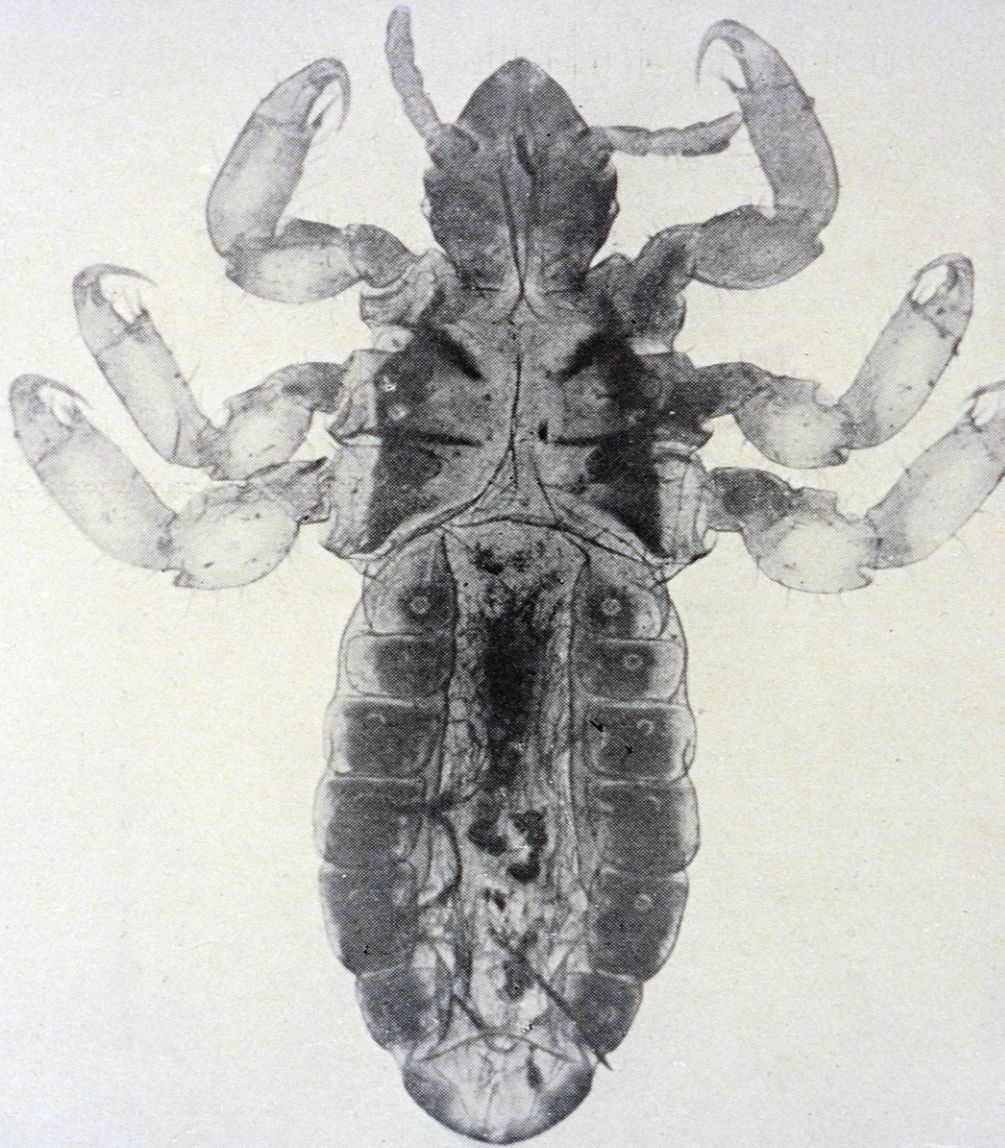
– most common

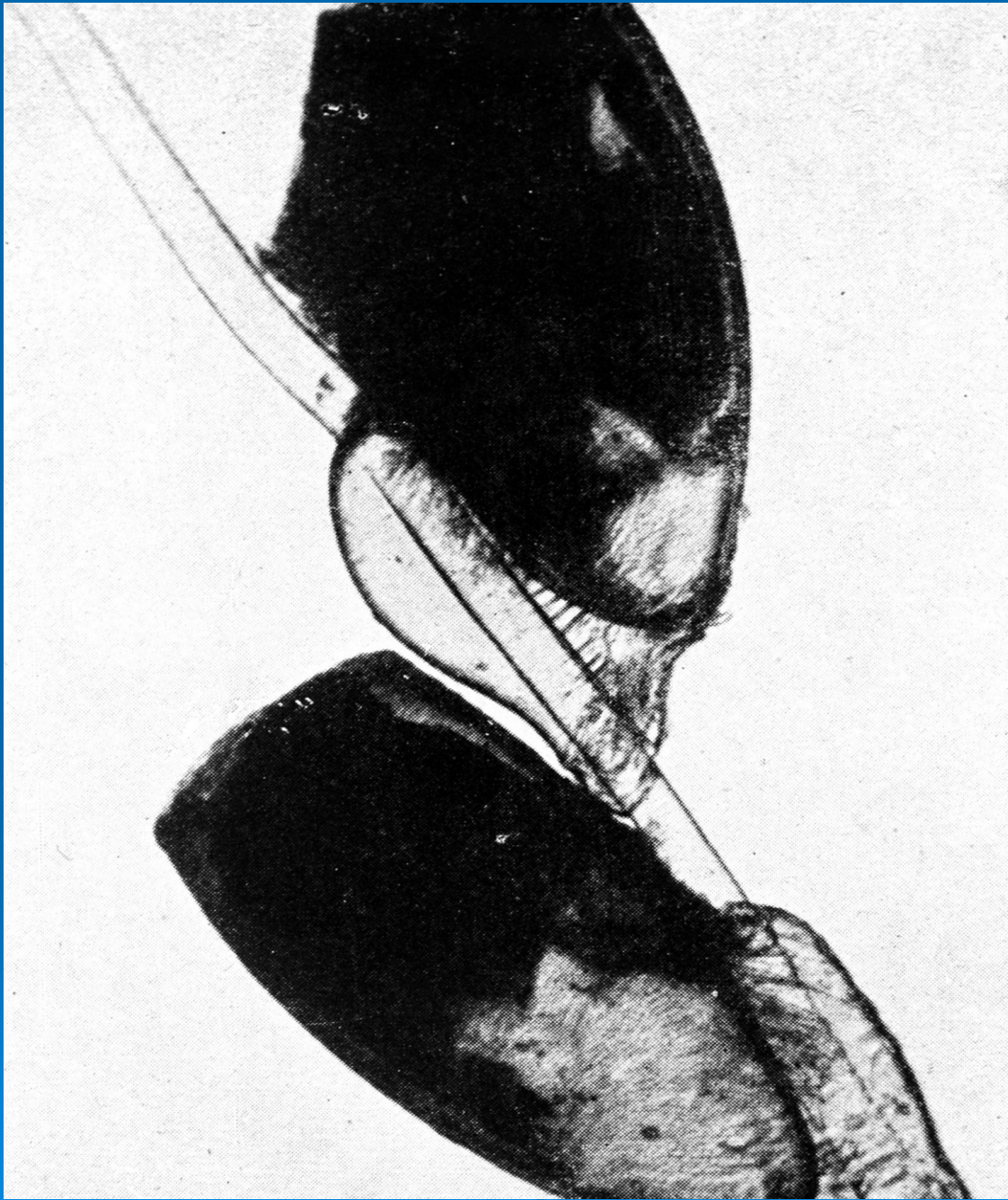
(source of human *Yersinia pestis* infection)

cat and dog flea

Tx symptomatic















Skin parasitic diseases caused by insect (blood suckers)

4. *Cimicosis (bedbugs)*

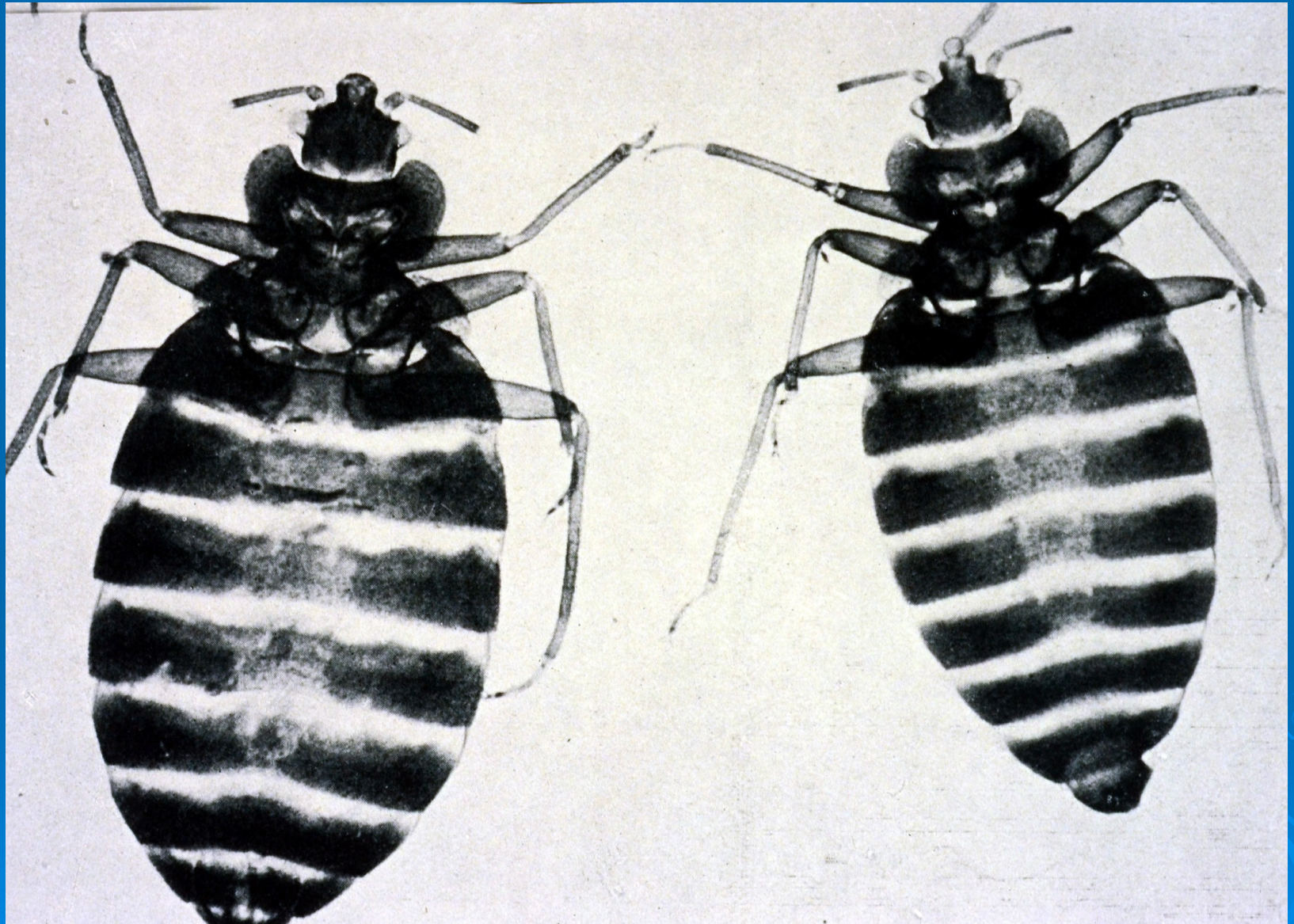
Cimex lectularius

- *Increased occurrence – international travel, insecticide resistance*

Urticarial papules, vesicles

Difficult to eliminate (bed frames, mattresses)

Tx symptomatic



Skin parasitic diseases

5. *Trombidiasis (trombiculosis – chiggers)*

Mite Trombicula autumnalis

Meadows, lawns

Itchy papules, vesicles, quick healing

6. *Ixodidae (ticks)*

Ixodes ricinus – most common in CR

Forests, parks, gardens

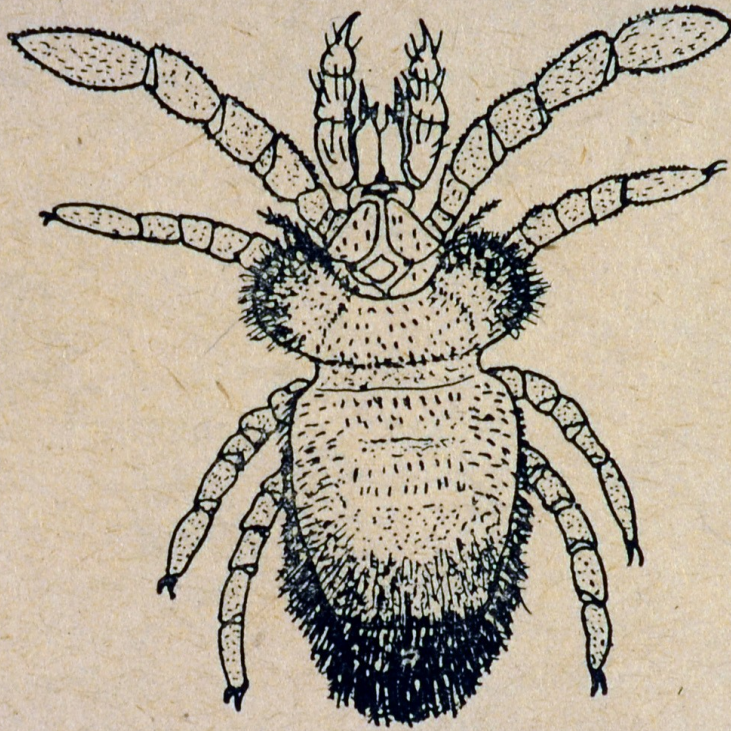
Bite - hard papule

Tick borne diseases Lyme disease, encephalitis, other

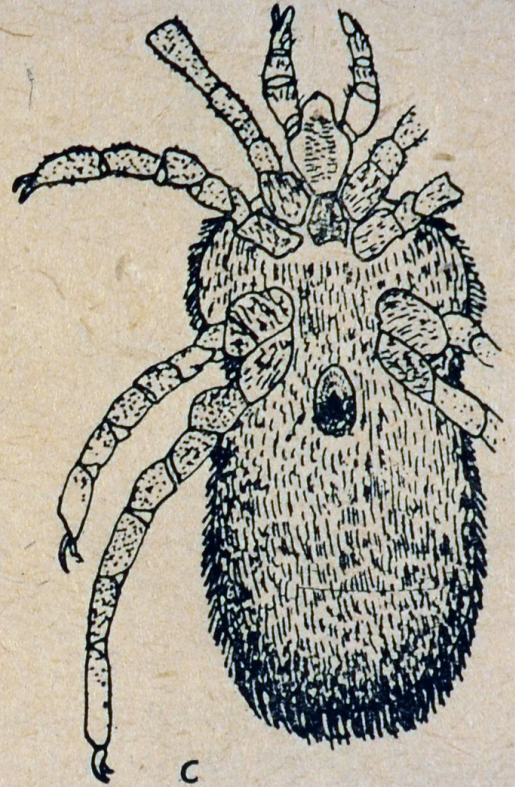
Early removal necessary, disinfection



a

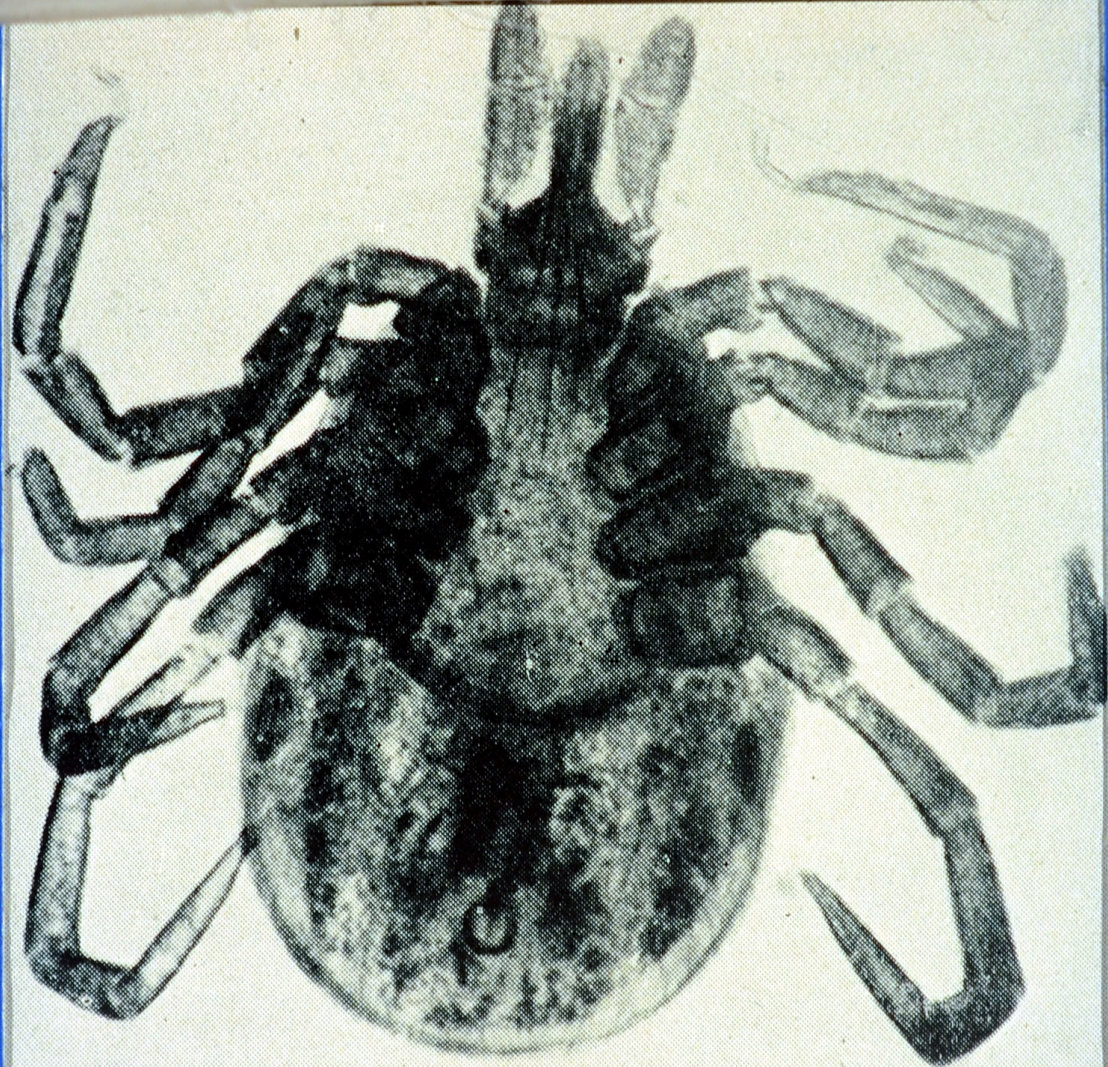


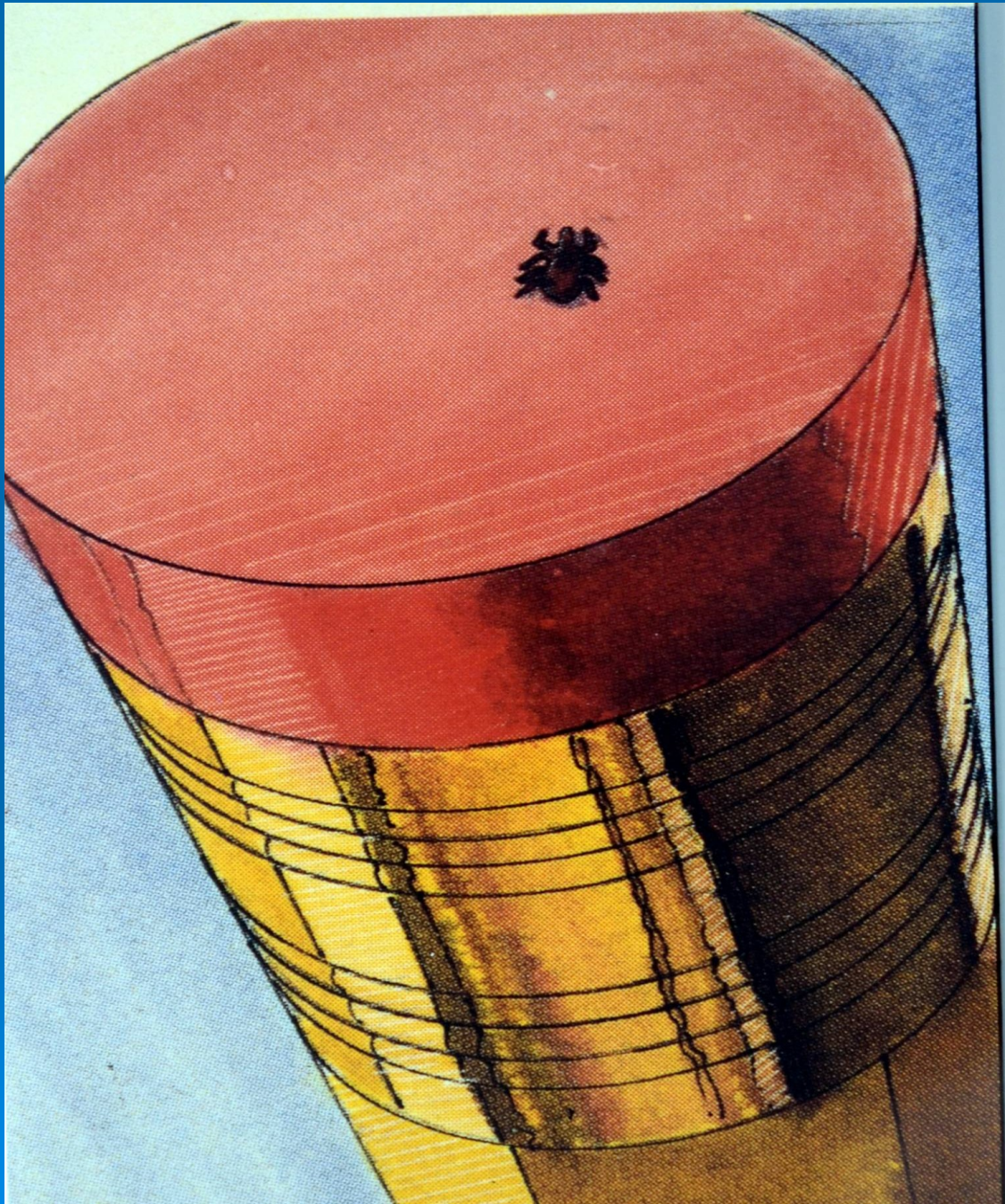
b

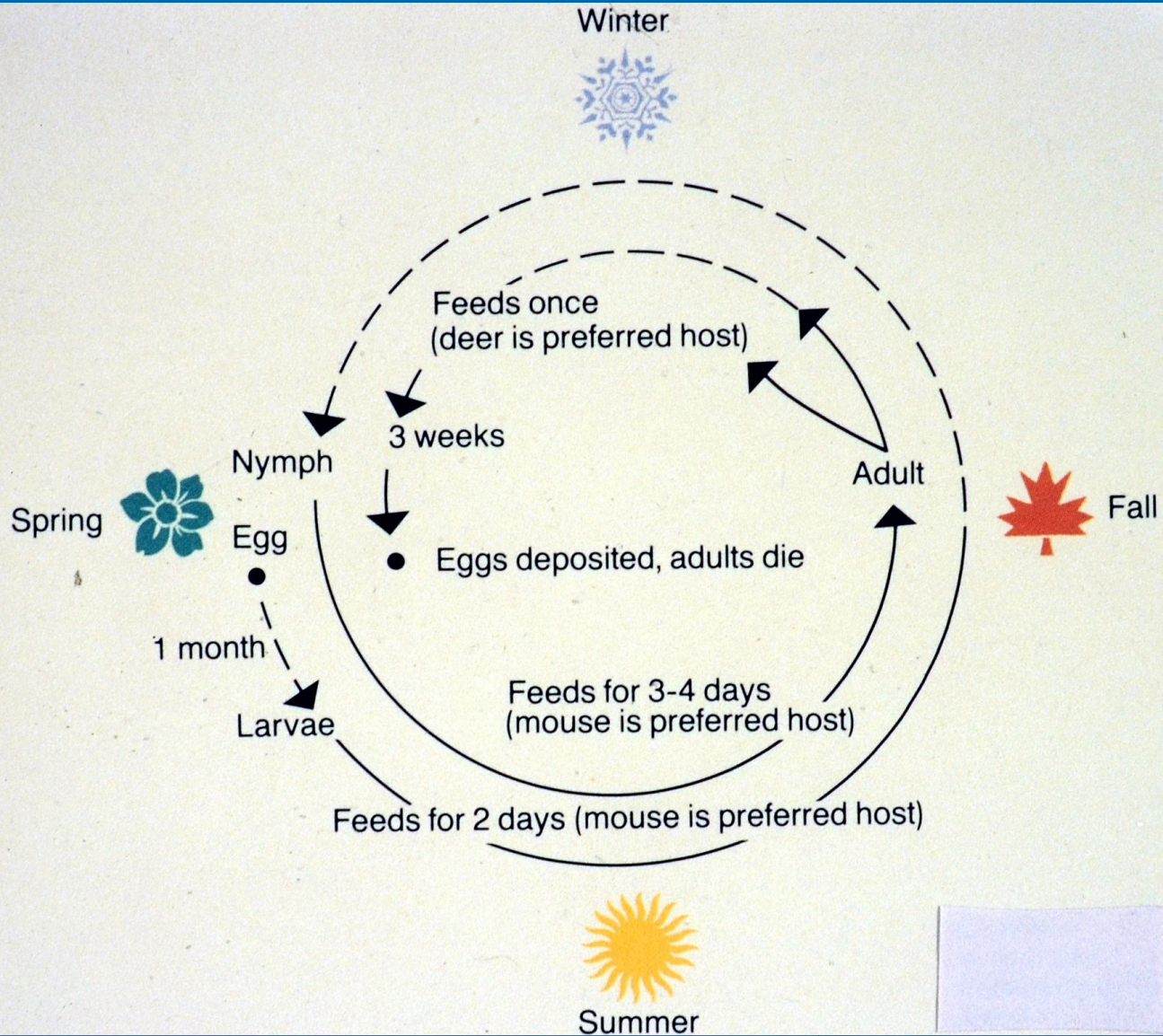


c

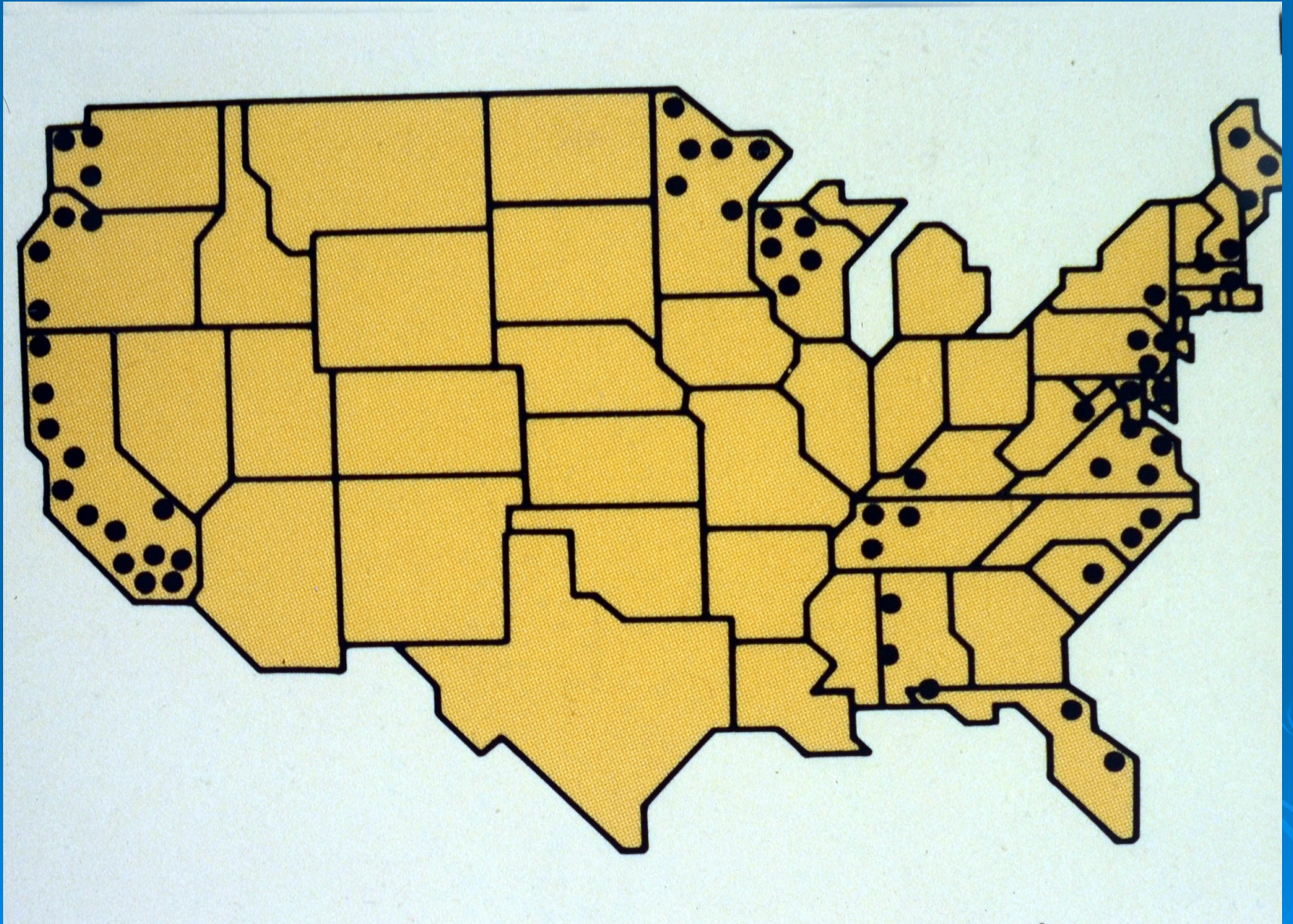


























Skin parasitic diseases

blood sucking and stinging insects

7. *Diptera*

Culicidae (mosquitoes)

Muscidae (hematobia - horn flies)

Simulidae (black flies)

Tabanidae (horse flies)

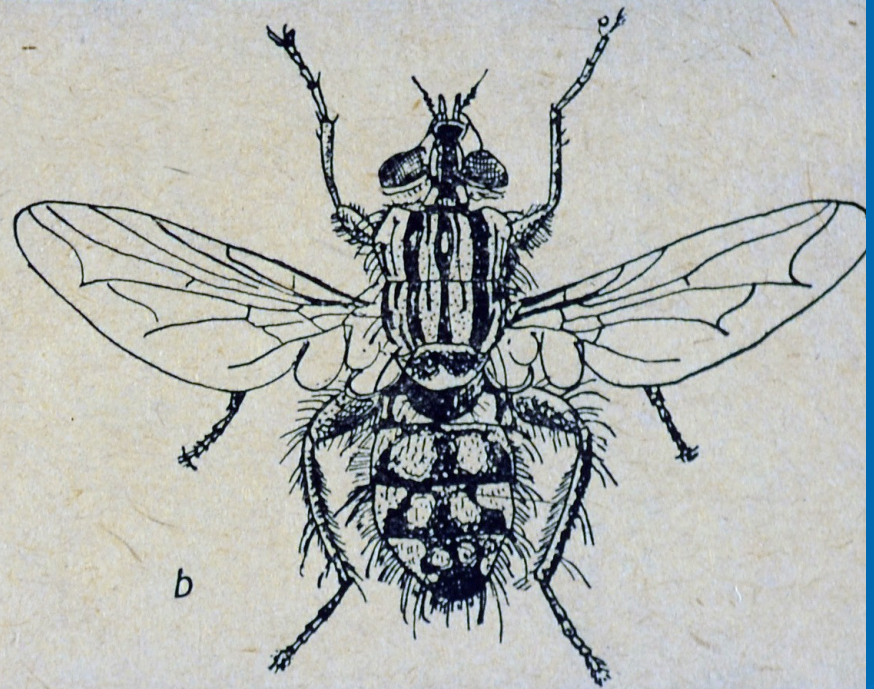
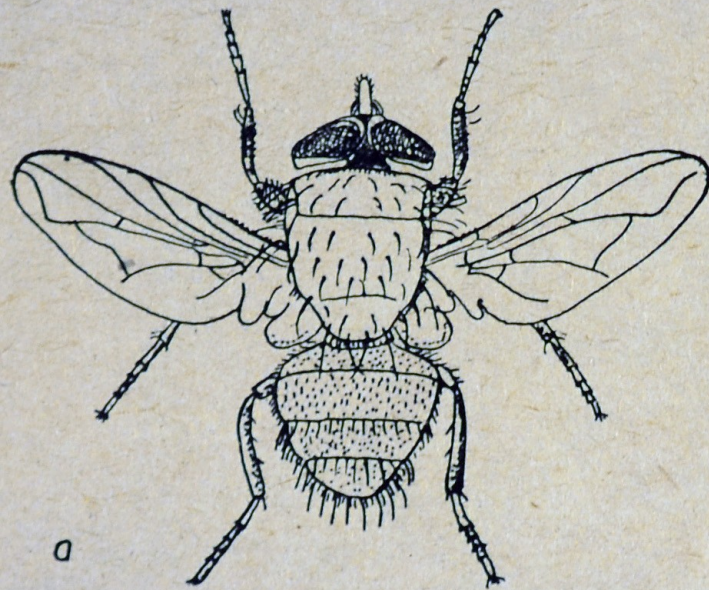
Infections – malaria, leishmaniasis, dengue, trypanosomiasis

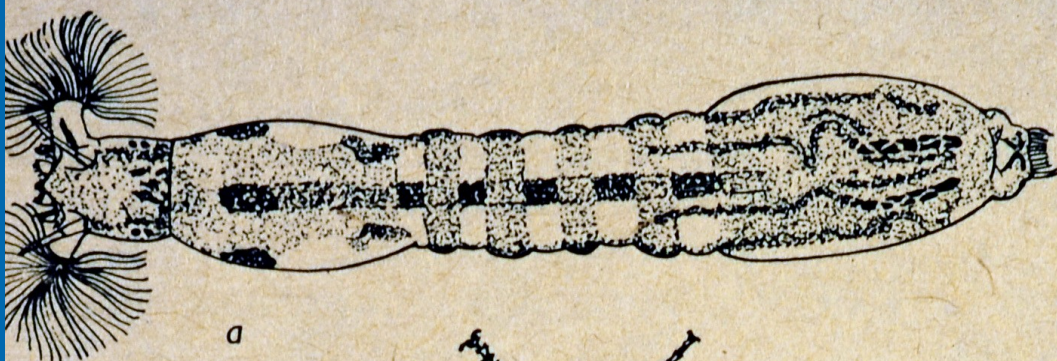
Tx symptomatic, repellents!

8. *Hymenoptera*

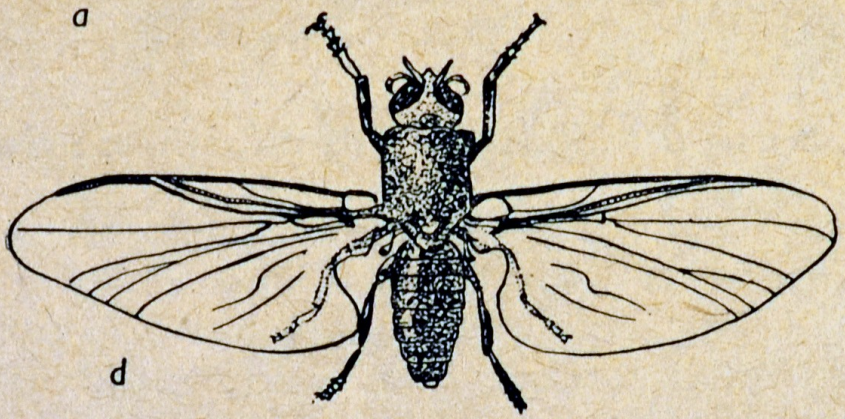
Bees, wasps, hornets, ants



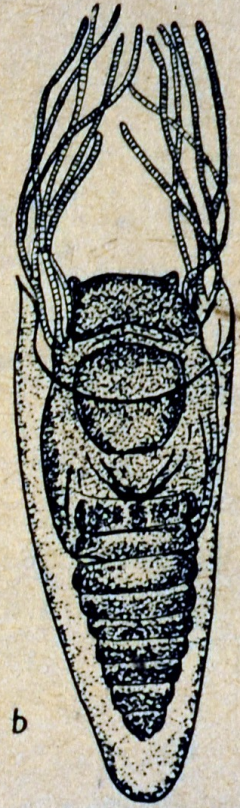




a



d



b



c

Skin parasitic diseases other

Mite *Pyemotes ventricosus*

Straw itch mites

Mite *Cheyletiella*

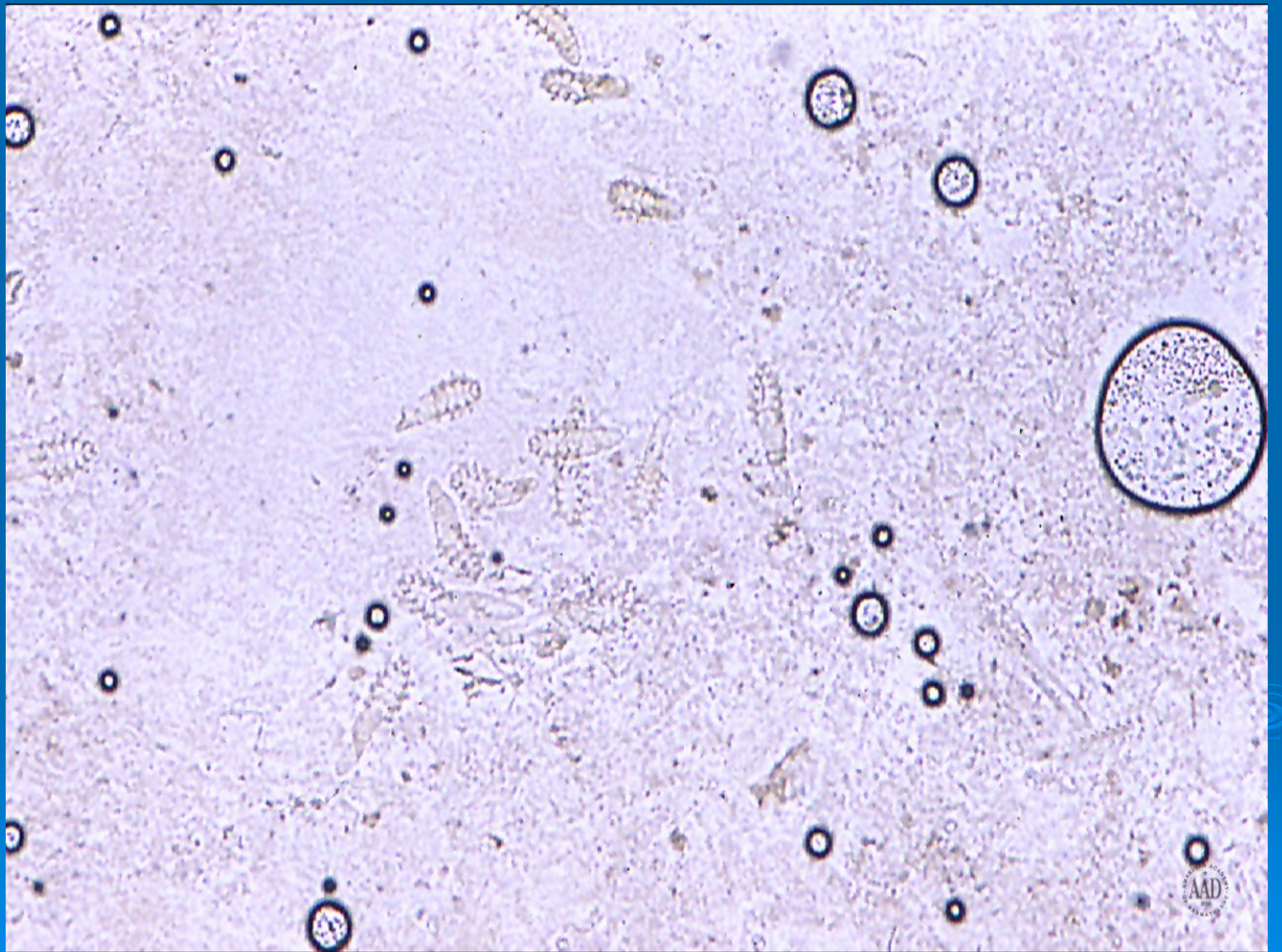
Cats, dogs, rabbits

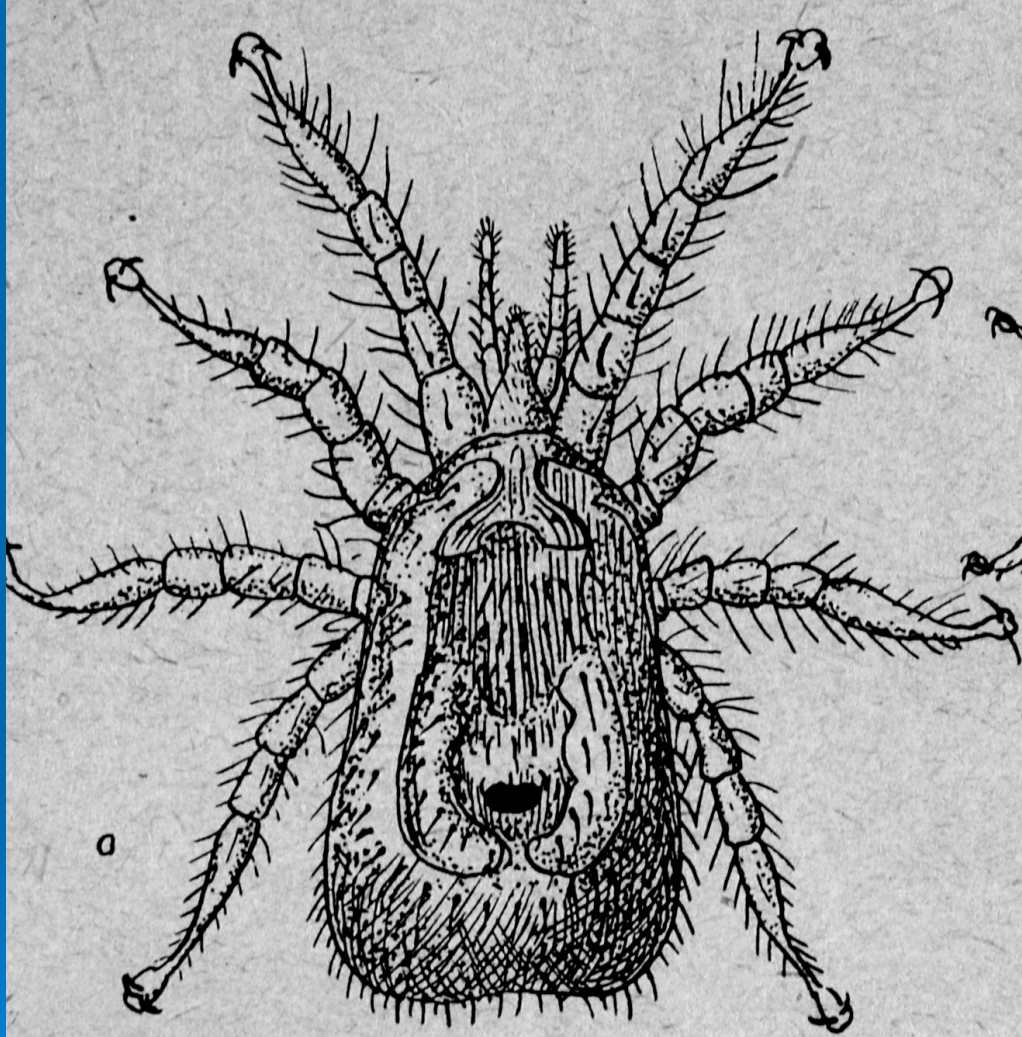
Demodicosis – *Demodex folliculorum*

Common on skin rich in sebaceous glands

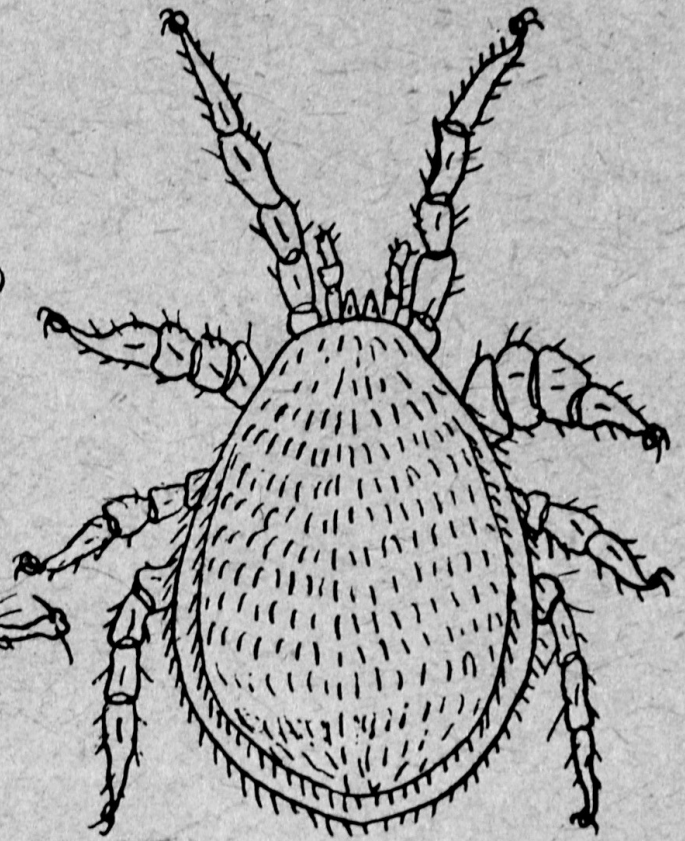
Dermanyssus galinae - poultry



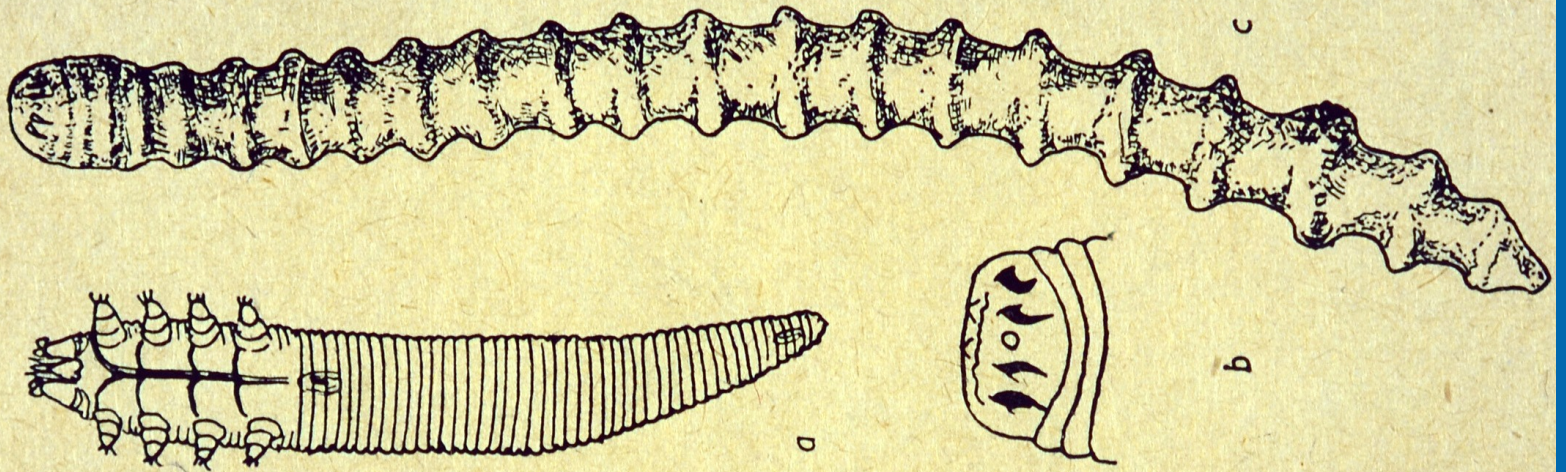




a



b





Skin parasitic diseases

worms

1. Cercaria dermatitis – swimmers itch

Schistosoma Trichobilharzia

Macular rash - ponds

Tx symptomatic

2. Larva migrans – creeping eruption

*Hookworm of cats and dogs - Ancylostoma caninum,
Ancylostoma duodenale*

Migratory itchy eruption , rarely systemic symptoms

Tx Cryotherapy, Ivermectin, albendazol





Spider bites

- Czech Republic
- *Cheiracanthium punctorium*
- *Eresus moravicus*







Zápřednice jedovatá

Fotodokumentace MUDr. Míková











Stepník moravský

Fotodokumentace MUDr. Míková

