

LIST OF MOSQUITOES OF BRITISH COLUMBIA
Recorded to December 31, 1926

BY ERIC HEARLE, DOMINION ENTOMOLOGICAL BRANCH

Family **CULICIDAE**

Sub-family **CULICINAE**

Tribe **Culicini**

Tribe **Anophelini**

Sub-family **CHAOBORINAE**

Sub-family **DIXINAE**

Sub-family **CULICINAE**

Tribe **Culicini**

Genus **CULEX** Linnaeus

Sub-genus **Neoculex** Dyar

- (1) **Culex apicalis** Adams:—*Wellington, August, 1906 (Dyar & Caudell); *Royal Oak, April, 1917 (R. C. Treherne); Savory Island, April 10th, 1917 (R. S. Sherman); Vancouver, April 22nd, 1917 (R. S. Sherman); *Pitt Meadows, June 7th, 1919 (E. Hearle); *Mission, October 9th, 1919 (E. Hearle); *Dewdney, July 4th, 1919 (E. Hearle); *Agassiz, June 20th, 1919 (E. Hearle); *Agassiz, June 20th, 1919 (E. Hearle); Summerland, March 20th, 1924 (E. Hearle); Osoyoos, July 24th, 1920 (E. Hearle); †Cranbrook — — (C. Garrett).

Sub-genus **Culex** Linnaeus

- (2) **Culex pipiens** Linnaeus:—*Vancouver, January 11th, 1917 (R. S. Sherman).
- (3) **Culex tarsalis** Coquillett:—*Wellington, August 8th, 1906 (Dyar & Caudell); *Royal Oak, April, 1917 (R. C. Treherne); Fort Langley, July 23rd, 1921 (E. Hearle); *Mission, August, 1919 (E. Hearle); Hatzic, June 20th, 1921 (E. Hearle); *Chilliwack, July 3rd, 1919 (E. Hearle); *Harrison, June 20th, 1919 (E. Hearle); Kelowna, 1923 (E. Hearle); Summerland, August 27th, 1920 (E. Hearle); Oliver, April 12th, 1923 (C. Garrett); †Cranbrook — — — (C. Garrett).

Genus **THEOBALDIA** Neuve-Lemaire

Sub-genus **Culicella** Felt

- (4) **Theobaldia dyari** Coquillett:—*Kaslo, May 29th, 1903 (H. G. Dyar); *Kwinitsa, June 10th, 1919 (H. G. Dyar).

Sub-genus **Theobaldia** Neuve-Lemaire

- (5) **Theobaldia alaskaensis** Ludlow:—*Atlin, July 26th, 1919 (H. G. Dyar); *Hope, May 20th, 1919 (E. Hearle); Lillooet, June 23rd, 1917 (M. Ruhman); Chilcotin, May 7th—August 22nd, 1920 (E. R. Buckell); Oliver, April 16th, 1923 (C. Garrett); †Cranbrook — — (C. Garrett).
- (6) **Theobaldia incidens** Thompson:—Victoria, August, 1919 (E. Hearle); Savory Island, August 19th, 1915 (R. S. Sherman); Vancouver, January 7th, 1917 (R. S. Sherman); *Caulfeilds, May 3rd, 1919 (E. Hearle); *Mission, June 14th, 1919 (E. Hearle); *Agassiz, April 22nd, 1919 (E. Hearle); Chilliwack, July, 1919 (E. Hearle); Popeum, May 23rd, 1919 (E. Hearle); Yale, July 19th, 1920 (E. Hearle); *Metlakatla, August 1st, 1910 (G. H. Keen); *Prince Rupert, May 31st, 1919 (H. G. Dyar); *Atlin, July 26th, 1919 (H. G. Dyar); *Hazleton, September 9th, 1919 (H. G. Dyar); Vernon, March 25th, 1924 (E. Hearle); Penticton, August 21st, 1920 (E. Hearle); Oliver, April 13th, 1923 (C. Garrett); Minnie Lake, Nicola, July 25th, 1925 (N. Criddle); †Cranbrook — — — (C. Garrett).
- (7) **Theobaldia impatiens** Walker:—Savory Island, April 9th, 1917 (R. S. Sherman); Vancouver, March 20th, 1916 (R. S. Sherman); *Caulfeilds, May 3rd, 1919 (E. Hearle); *Clayburn, March 25th, 1919 (E. Hearle); *Hatzie, April 14th, 1919 (E. Hearle); Davis Lake, July 10th, 1921 (E. Hearle); Dewdney, July 18th, 1919 (E. Hearle); *Agassiz, June 1st, 1917 (A. E. Cameron); Sumas Prairie — 1858 (G. H. Lord); Sardis, May, 1919 (E. Hearle); *Hope, May 20th, 1919 (E. Hearle); Mount Cheam, August, 1907 (R. S. Sherman); *Prince Rupert, May 14th, 1919 (H. G. Dyar); Massett — — —; *Terrace, August 14th, 1919 (H. G. Dyar); Sicamous, May 5th, 1922 (E. Hearle); *Kaslo, July 19th, 1903 (H. G. Dyar); †Cranbrook — — — — (C. Garrett).
- (8) **Theobaldia inornatus** Williston:—*Nicomen, July 27th, 1919 (E. Hearle); Vernon, March, 1924 (E. Hearle); Kelowna, August 28th, 1923 (E. Hearle); Summerland, August 27th, 1920 (E. Hearle); Penticton, August 21st, 1920 (E. Hearle); Oliver, April 20th, 1923 (C. Garrett); †Cranbrook — — — — (C. Garrett).

Genus **MANSONIA** BlanchardSub-genus **Coquillettidia** Dyar

- (9) **Mansonia perturbans** Walker:— *Vancouver, August 22nd, 1919 (E. Hearle); Capilano Canyon, August, 1919 (E. Hearle); *Hatzie, July 22nd, 1919 (E. Hearle); Nicomen, July 7th, 1920 (E. Hearle); *Kaslo, July 2nd, 1903 (R. P. Currie).

Genus **Aedes** MeigenSub-genus **Ochlerotatus** Lynch Arribalzaga

- (10) **Aedes pullatus** Coquillett:—*Kwinnitsa, May 29th, 1919 (H. G. Dyar); *Kaslo, July 23rd, 1903 (H. G. Dyar); *Bennett, July 28th, 1919 (H. G. Dyar); *Atlin, July 23rd, 1919 (H. G. Dyar).
- (11) **Aedes intrudens** Dyar:—*Kwinnitsa, May 22nd, 1919 (H. G. Dyar); *Salvus, June 3rd, 1919 (H. G. Dyar); *Terrace, August 12th, 1919 (H. G. Dyar); †Cranbrook — — — (C. Garrett).
- (12) **Aedes diantaeus** Howard, Dyar & Knab:—*Salvus, June 9th, 1919 (H. G. Dyar); *Terrace, August 13th, 1919 (H. G. Dyar).
- (13) **Aedes punctor** Kirby:—Mission, May, 1920 (E. Hearle); McConnell Creek, July 10th, 1921 (E. Hearle); *Agassiz, May 1st, 1919 (E. Hearle); Laidlaw, May, 1919 (E. Hearle); *Kwinnitsa, May 22nd, 1919 (H. G. Dyar); *Atlin, July 22nd, 1919 (H. G. Dyar); *Terrace, August 12th, 1919 (H. G. Dyar); *Hazleton, September 6th, 1919 (H. G. Dyar); *Prince George, May 12th, 1919 (H. G. Dyar); Revelstoke, August, 1920 (E. Hearle); Greenslide, August, 1920 (E. Hearle); Wigwam, August, 1920 (E. Hearle); Arrowhead, August, 1920 (E. Hearle); *Field, August 15th, 1903 (H. G. Dyar); †Cranbrook — — — (C. Garrett).
- (14) **Aedes leuconotips** Dyar:— *Prince Rupert, May 22nd, 1919 (H. G. Dyar).
- (15) **Aedes cyclocerculus** Dyar:— *Prince Rupert, May 11th, 1919 (H. G. Dyar).
- (16) **Aedes aboriginis** Dyar:— *Royal Oak, May 4th, 1917 (R. C. Treherne); *Westholme, May 3rd, 1917 (A. E. Cameron); Victoria, March 28th, 1920 (W. B. Anderson); Coquitlam, June 25th, 1921 (E. Hearle); Mission, July 14th, 1920 (E. Hearle); McConnell Creek, June 18th, 1921 (E. Hearle); *Prince Rupert, May 11th, 1919 (H. G. Dyar).
- (17) **Aedes spencerii** Theobald:— *Kaslo, June 13th, 1903 (R. P. Currie).
- (18) **Aedes idahoensis** Theobald:— Nicola Lake, June 9th, 1922 (E. R. Buckell); Douglas Lake, June 13th, 1922 (E. R. Buckell); Aspen Grove, June 14th, 1922 (E. R. Buckell); Osoyoos, August 21st, 1920 (E. Hearle); †Cranbrook — — — (C. Garrett).
- (19) **Aedes hirsuteron** Theobald:— Kamloops, August, 1920 (E. Hearle); *Sicamous, July 28th, 1916 (C. G. Hewitt); Revelstoke, August 12th, 1920 (E. Hearle); Donald, August 12th, 1920 (E. Hearle); Golden, August 14th, 1920 (E. Hearle); *Wigwam, August 14th, 1903 (H. G. Dyar); Arrowhead, August 13th, 1920 (E. Hearle); *Lardo, July 7th, 1903 (H. G. Dyar); *Kaslo, July 4th, 1903 (H. G. Dyar).

- Dyar); *Ainsworth, July 10th, 1903 (H. G. Dyar); Okanagan Falls, July 30th, — (C. G. Hewitt); Nicola Lake, July 17th, 1922 (E. R. Buckell); Aspen Grove, July 17th, 1922 (E. R. Buckell).
- (20) **Aedes aldrichi** Dyar & Knab:— ††Nanoose Bay, August 1st, 1903 (J. Fletcher); White Rock, July 31st, 1920 (E. Hearle); Coquitlam, June 25th, 1921 (E. Hearle); Fort Langley, July 23rd, 1921 (E. Hearle); *Ruskin, July 23rd, 1919 (E. Hearle); Silverdale, June 17th, 1921 (E. Hearle); Steelhead, June 19th, 1921 (E. Hearle); Davis Lake, July 10th, 1921 (E. Hearle); *Mission, August 4th, 1919 (E. Hearle); McConnell Creek, July 10th, 1921 (E. Hearle); *Nicomen Island, June 15th to August 3rd, 1919 (E. Hearle); *Abbotsford, July 12th, 1920 (H. G. Dyar); *Chilliwack, July 2nd, 1919 (E. Hearle); Harrison Mills, July, 1921 (E. Hearle); *Agassiz, July 16th, 1919 (E. Hearle); Laidlaw, July, 1920 (E. Hearle); *Hope, August 3rd, 1919; Yale, July 19th, 1920 (E. Hearle); Chase, May 27th, 1919 (W. B. Anderson); Sicamous, August 3rd, 1921 (E. Hearle); Vernon, August 6th, 1920 (R. C. Treherne); ††Prince George, September 7th, 1919 (H. G. Dyar).
- (21) **Aedes impiger** Walker:— *Atlin, July 22nd, 1919 (H. G. Dyar); *Prince George, May 11th, 1919 (H. G. Dyar); Barkerville, August 14th, 1921 (E. R. Buckell); Vernon, May 9th, 1922 (E. Hearle); Penticton, May 1st, 1919 (E. R. Buckell); Fairview, May 4th, 1919 (E. R. Buckell); Oliver, April 16th, 1923 (C. Garrett); Glacier, July 27th, 1916 (C. G. Hewitt).
- (22) **Aedes cataphylla** Dyar:— *Atlin, July 22nd, 1919 (H. G. Dyar); *White Pass, July 28th, 1919 (H. G. Dyar); Chilcotin, May 30th to July 9th, 1920 (E. R. Buckell); *Mount Cheam, August 7th, — (J. Fletcher); Lillooet, May 3rd, 1916 (Tom Wilson); Vernon, May 5th, 1923 (E. Hearle); Nicola Lake, June 9th, — July 17th, 1922 (E. R. Buckell); Oliver, April 20th, 1923 (C. Garrett); Osoyoos, May 19th, 1923 (C. Garrett); †††Kaslo, 1903 (Dyar, Caudell & Currie); ††Cranbrook, May 12th, 1922 (C. Garrett); Glacier, July 27th, 1916 (C. G. Hewitt); *Field, August 15th, 1906 (H. G. Dyar).
- (23) **Aedes pacificensis** Hearle:—Discovery Island, (near Victoria), April 12th, 1920 (W. B. Anderson).
- (24) **Aedes communis** De Geer, form *lazarensis* F. & Y.:—Vancouver, April 17th, 1915 (W. B. Anderson); Hatzic, July 11th, 1921 (E. Hearle); Davis Lake, July 10th, 1921 (E. Hearle); McConnell Creek, July 10th, 1921 (E. Hearle); Nicomen Island, July 20th, 1920 (E. Hearle); *Kwinitsa, May 24th, 1919 (H. G. Dyar); *Atlin, July 22nd, 1919 (H. G. Dyar); *Salvus, May 27th, 1919 (H. G. Dyar); *Terrace, August 12th, 1919 (H. G. Dyar); *Prince George, May 9th, 1919 (H. G. Dyar); Vernon, May 5th, 1922 (E. Hearle); Penticton, May 5th, 1919 (E. R. Buckell); Oliver, April 20th, 1923 (C. Garrett);

- *Kaslo, June 11th, 1902 (H. G. Dyar); Cranbrook, May 1st, 1922 (C. Garrett); *Glacier, July 28th, 1916 (C. G. Hewitt).
- (25) **Aedes pionips** Dyar:—*Kwinitza, May 25th, 1919 (H. G. Dyar); *Atlin, July 22nd, 1919 (H. G. Dyar); *Terrace, August 12th, 1919 (H. G. Dyar); *Prince George, May 9th, 1919 (H. G. Dyar); †Cranbrook (C. Garrett).
- (26) **Aedes dorsalis** Meigen:—*Qualicum, July 2nd, 1903 (J. Fletcher); *Nanoose Bay, August 1st, 1903 (J. Fletcher); *Duncans, August 6th, 1906 (Dyar & Caudell); *Victoria, August 29th, 1919 (E. Hearle); *Buccaneer Bay, August 24th, 1919 (E. Hearle); *Caufields, May 30th and August 6th, 1919 (E. Hearle); Capilano Canyon, June, 1919 (E. Hearle); *Vancouver, August 6th, 1906 (Dyar & Caudell); Summerland, August, 1920 (E. Hearle); Penticton, August, 1920 (E. Hearle); Douglas Lake, June 1st, 1925 (E. R. Buckell); Osoyoos, May 19th, 1923 (C. Garrett).
- (27) **Aedes campestris** Dyar & Knab:—Chilcotin, June 2nd, August 5th, 1920 (E. R. Buckell); Kelowna, July 26th, 1918 (R. C. Treherne); Douglas Lake, June 13th, 1922 (E. R. Buckell); *Kaslo, June 21st, 1903 (H. G. Dyar).
- (28) **Aedes canadensis** Theobald:—*Mission, September 10th, 1919 (E. Hearle); Dewdney, July 19th, 1921 (E. Hearle); Yale, July 19th, 1919 (E. Hearle); Vernon, August 6th, 1920 (R. C. Treherne); *Kaslo, June 3rd, 1903 (H. G. Dyar); *Prince George, May 22nd, 1919 (H. G. Dyar).
- (29) **Aedes excrucians** Walker:—Hatzic, June 15th, 1919 (E. Hearle); Vernon, May 5th, 1922 (E. Hearle); Kootenay Flats, May, 1916 (Tom Wilson); Lillooet, May 3rd, 1916 (Tom Wilson); Oliver, May 16th, 1923 (C. Garrett); †Cranbrook (C. Garrett).
- (30) **Aedes inequitus**, form *mutatus* Dyar:—Vernon, May 18th, 1920 (E. P. Venables); Oliver, May 1st, 1923 (C. Garrett).
- (30a) **Aedes increpitus** Dyar, form *hewitti* Hearle:—Agassiz, June 15th, 1920 (E. Hearle); Yale, July 19th, 1920 (E. Hearle); Lillooet, June 23rd, 1917 (R. C. Treherne); Nicola Lake, June 18th, 1922 (E. R. Buckell); Aspen Grove, July 14th, 1922 (E. R. Buckell),
- (31) **Aedes flavescens** Muller:—*Mount Cheam, August 3rd, 1899 (J. Fletcher); Chilcotin, June 18th, 1923 (E. R. Buckell); †Oliver, 1923 (C. Garrett).
- (32) **Aedes aloponotum** Dyar:—Shawnigan, August 2nd, 1919 (W. Downes); **Nanaimo, August 6th, 1906 (Dyar & Caudell); Saanich, June 11th, 1919 (W. Downes); **Mission, July 18th, 1919 (E. Hearle); Hatzic, June 29th, 1920 (E. Hearle); **Harrison, June 20th, 1919 (E. Hearle); **Agassiz, May 23rd, 1919 (E. Hearle); Popcum, May 23rd, 1919 (E. Hearle); Hope, May 21st, 1919 (E. Hearle).

- (33) **Aedes stimulans** Walker:—Vernon, April 23rd, 1922 (E. Hearle).
 (34) **Aedes fitchii** Felt & Young, form **palustris** Dyar:—*Royal Oak, April, 1917 (R. C. Treherne); Victoria, July 5th, 1917 (A. E. Cemeron).
 (35) **Aedes trichurus** Dyar:—*Kaslo, June 25th, 1903 (H. G. Dyar).
Aedes nearcticus Dyar:—No definite record—at high elevations. Simpson Pass, British Columbia or Alberta, 1923 (N. B. Sanson).

Taeniorhynchus Lynch-Arribalzaga (Sub-genus).

- (36) **Aedes varipalpus** Coquillett:—*Wellington, August 8th, 1906 (Dyar & Caudell); *Nanaimo, August 6th, 1906 (Dyar & Caudell); *Victoria, August 12th, 1906 (H. G. Dyar); *Vancouver August 6th, 1906 (H. G. Dyar); *Caulfeilds, July 19th, 1919 (E. Hearle); Capilano Canyon, June, 1919 (E. Hearle); Coquitlam, June 25th, 1921 (E. Hearle); Fort Langley, July 23rd, 1921 (E. Hearle); *Mission, July 14th, 1920 (H. G. Dyar); Steelhead, June 19th, 1921 (E. Hearle); Davis Lake, July 10th, 1921 (E. Hearle); McConnell Creek, July 10th, 1921 (E. Hearle); *Deroche, June 13th, 1919 (E. Hearle); *Harrison, June 20th, 1919 (E. Hearle); Kilgard, June 17th, 1919 (E. Hearle); *Hope, May 20th, 1919 (E. Hearle); *Terrace, August 12th, 1919 (H. G. Dyar); *Kaslo, June 17th, 1903 (H. G. Dyar).

Finlaya Theobald (sub-genus).

- (37) **Aedes triseriatus** Say:—Vernon, September 17th, 1921 (E. Hearle).

Aedimorphus Theobald (sub-genus).

- (38) **Aedes vexans** Meigen:—New Westminster, July, 1919 (E. Hearle); Coquitlam, July, 1919 (E. Hearle); Fort Langley, July 23rd, 1921 (E. Hearle); *Whonnock, July 23rd, 1919 (E. Hearle); Silverdale, July 23rd, 1919 (E. Hearle); *Mission, June 12th to October 9th, 1919 (E. Hearle); McConnell Creek, July 10th, 1921 (E. Hearle); Matsqui Prairie, July, 1919 (E. Hearle); Hatzic, July 22nd, 1919 (E. Hearle); Nicomen Island, July 13th, 1919 (E. Hearle); Sumas Prairie, July 31st, 1919 (E. Hearle); *Chilliwack, July 3rd, 1919 (E. Hearle); Laidlaw, July, 1919 (E. Hearle); Kamloops, August, 1920 (E. Hearle); Chase, May 27th, 1919 (W. B. Anderson); Sicamous, August 12th, 1920 (E. Hearle); Vernon, June 10th, 1917 (R. C. Treherne); Kelowna, August 28th, 1923 (E. Hearle); Penticton, August, 1923 (E. Hearle); Oliver, August, 1920 (E. Hearle); Osoyoos, June 10th, 1919 (W. B. Anderson); Nicola Lake, August 29th, 1922 (E. R. Buckell); Aspen Grove, June 14th, 1922 (E. R. Buckell); Revelstoke, August 12th, 1920 (E. Hearle); Arrowhead, August, 1920 (E. Hearle); *Kaslo, June, 1903 (H. G. Dyar); *Ainsworth, June 10th, 1903 (R. P. Currie); †Cranbrook (C. Garrett); Golden, August, 1920 (E. Hearle); *Prince George, September 7th, 1919 (H. G. Dyar).

Aedes Meigen (sub-genus).

- (39) **Aedes cinereus** Meigen, form **fuscus** O. S.:—New Westminster, August 19th, 1920 (E. Hearle); Douglas Island, July, 1920 (E. Hearle); Fort Langley, July 23rd, 1921 (E. Hearle); *Mission, June 23rd, 1919 (E. Hearle); McConnell Creek, June 18th, 1921 (E. Hearle); Hatzie, July 16th, 1921 (E. Hearle); *Dewdney, June 6th, 1919 (E. Hearle); *Nicomen Island, August 4th, 1919 (E. Hearle); *Chilliwack, July 3rd, 1919 (E. Hearle); *Agassiz, June 20th, 1919 (E. Hearle); Chase, May 27th, 1919 (W. B. Anderson); Sicamous, August 12th, 1920 (E. Hearle); Revelstoke, August 12th, 1920 (E. Hearle); Osoyoos, June 18th, 1919 (W. B. Anderson); *Kaslo, June 11th, 1903 (H. G. Dyar); *Prince George, September 9th, 1919 (H. G. Dyar); *Terrace, August 11th, 1919 (H. G. Dyar); *Salvus, June 7th, 1919 (H. G. Dyar); *Atlin, July 23rd, 1919, (H. G. Dyar); *Winista, June 1st, 1919 (H. G. Dyar).

ANOPHELINI (Tribe)**Anopheles Meigen** (genus).**Anopheles Meigen** (sub-genus).

- (40) **Anopheles punctipennis** Say:—*Nanaimo, August 6th, 1906 (Dyar & Caudell); *Wellington, August 7th, 1906 (Dyar & Caudell); *Duncan, August 9th, 1906 (Dyar & Caudell); *Ladner, April 5th, 1919 (E. Hearle); Ruskin, July 30th, 1920 (E. Hearle); *Mission, July, 1919 (E. Hearle); Davis Lake, July 10th, 1921 (E. Hearle); McConnell Creek, June 18th, 1921 (E. Hearle); *Yarrow, March 25th, 1919 (E. Hearle); Chilliwack, July, 1919 (E. Hearle); Agassiz, July, 1919 (E. Hearle); *Hope, May 21st, 1919 (E. Hearle); §Lower Mainland, 1914 (S. Hadwen); New Westminster, April 9th, 1919 (E. Hearle).
- (41) **Anopheles quadrimaculatus** Say:—Vernon, March 25th, 1924 (E. Hearle); Oliver, April 10th, 1923 (C. Garrett); Nicola Lake, April 5th to September 5th, 1922 (E. R. Buckell).
- (42) **Anopheles maculipennis** Meigen:—*Mission, July 22nd, 1919 (E. Hearle); Hatzie, July 30th, 1921 (E. Hearle); *Nicomen Island, June 23rd, 1919 (E. Hearle); Cultus Lake, July 3rd, 1919 (E. Hearle); *Chilliwack, July 3rd, 1919 (E. Hearle); *Revelstoke, August 22nd, 1903 (H. G. Dyar); Kelowna, 1923 (E. Hearle); Oliver, April 8th, 1923 (C. Garrett); §Keremeos, 1914 (S. Hadwen); Summerland, August, 1920 (E. Hearle); †Cranbrook (C. Garrett); Chileotin, August, 1921 (E. R. Buckell); Douglas Lake, Nicola, June 3rd, 1922 (E. R. Buckell).

CHAOBORINAE (sub-family)**Eucorethra Underwood** (genus).

- (43) **Eucorethra underwoodii** Underwood:—Caulfeilds, August 26th, 1919

(E. Hearle); Coquitlam, June 3rd, 1919 (E. Hearle); Mission, May 1919 (E. Hearle); Kilgard, July, 1919 (E. Hearle); ***Prince Rupert, May 31st, 1919 (H. G. Dyar); ***Kaslo, June 23rd, 1903 (H. G. Dyar).

Corethra Meigen (genus).

- (44) **Corethra culiciformis** De Geer:—***Kaslo, June, 1903 (H. G. Dyar); †Cranbrook (C. Garrett).

Chaoborus Lichtenstein (genus).

Chaoborus Lichtenstein (sub-genus).

- (45) **Chaoborus crystallina** De Geer:—†Cranbrook (C. Garrett).
 (46) **Chaoborus crystallina** De Geer, form **fusca** Staeger:—†Cranbrook (C. Garrett).
 (47) **Chaoborus eluthera** Dyar & Shannon:—†Cranbrook (C. Garrett).
 (48) **Chaoborus albipes** Johannsen:—Hatzie, July 16th, 1921 (E. Hearle); †Cranbrook (C. Garrett).

Schadonophasma Dyar & Shannon (sub-genus).

- (49) **Chaoborus trivittatus** Leow:—New Westminster, May, 1919 (E. Hearle); Mission, June, 1919 (E. Hearle); ***Prince Rupert, May 13th, 1919 (H. G. Dyar); †Cranbrook (C. Garrett).

(Sub-family) **DIXINAE**

Dixa Meigen (genus).

- (50) **Dixa somnolenta** Dyar & Shannon:—†Cranbrook; ‡Wasa, April to October (C. Garrett).
 (51) **Dixa serrata** Garrett:—†Oliver, May, 1923 (C. Garrett).
 (52) **Dixa neoliciae** Garrett:—‡Cranbrook, June 26th (C. Garrett); ‡Michel, September 13th (C. Garrett).
 (53) **Dixa dyari** Garrett:—‡Cranbrook, June (C. Garrett).
 (54) **Dixa californica** Johannsen:—†B. C. (C. Garrett).
 (55) **Dixa dorsalis** Garrett:—†Cranbrook, April 28th (C. Garrett); ‡Wasa, October (C. Garrett).
 (56) **Dixa orientalis** Garrett:—†Cranbrook, May (C. Garrett).
 (57) **Dixa montanus** Garrett:—†Cranbrook, June 30th (C. Garrett).
 (58) **Dixa lobatus** Garrett:—†Cranbrook, June 30th (C. Garrett); ‡Fort Steele, July 17th (C. Garrett).
 (59) **Dixa rudis** Garrett:—‡Wasa, September 27th (C. Garrett).
 (60) **Dixa brevis** Garrett:—†Okanagan Falls, September 23rd, 1923 (C. Garrett); ‡Oliver, April, 1923 (C. Garrett).

- (61) **Dixa fraterna** Garret:—†Bull River, October 10th (C. Garrett).
 (62) **Dixa johannseni** Garrett:—‡Cranbrook, October (C. Garrett).
 (63) **Dixa distincta** Garrett:—‡‡Cranbrook (C. Garrett).
 (64) **Dixa simplex** Garrett:—‡‡Cranbrook, June, October (C. Garrett).
 (65) **Dixa plexipus** Garrett:—‡‡‡Nelson.

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**SOME NOTES ON THE HIBERNATING HABITS OF INSECTS IN
 DRY TREES IN THE INTERIOR OF B. C.**

BY A. A. DENNY

During the autumn of 1925, and again in 1926, my immediate chief, Mr. E. R. Buckell, received a request from the Dominion Entomologist, Mr. Arthur Gibson, to collect specimens of lacewing flies (Chrysopid species). as a result of a request which the Department at Ottawa had received for such material from Dr. R. J. Tillyard of New Zealand. Dr. Tillyard desired Chrysopid material to liberate in New Zealand in the hope that they would assist in checking certain species of aphids which feed upon oak and other trees.

Having lived in the Salmon Arm district for many years, I could recollect having seen large numbers of these dainty little insects during