

Project Gutenberg's Catalogue of British Columbia Birds, by Francis Kermode

Copyright laws are changing all over the world. Be sure to check the copyright laws for your country before downloading or redistributing this or any other Project Gutenberg eBook.

This header should be the first thing seen when viewing this Project Gutenberg file. Please do not remove it. Do not change or edit the header without written permission.

Please read the "legal small print," and other information about the eBook and Project Gutenberg at the bottom of this file. Included is important information about your specific rights and restrictions in how the file may be used. You can also find out about how to make a donation to Project Gutenberg, and how to get involved.

****Welcome To The World of Free Plain Vanilla Electronic Texts****

****eBooks Readable By Both Humans and By Computers, Since 1971****

*******These eBooks Were Prepared By Thousands of Volunteers!*******

Title: Catalogue of British Columbia Birds

Author: Francis Kermode

Release Date: August, 2004 [EBook #6329]
[Yes, we are more than one year ahead of schedule]
[This file was first posted on November 27, 2002]

Edition: 10

Language: English

Character set encoding: ASCII

***** START OF THE PROJECT GUTENBERG EBOOK BRITISH COLUMBIA BIRDS *****

Produced by Karen Fabrizio, David Starner
and the Online Distributed Proofreading Team

Catalogue of British Columbia Birds.

PROVINCIAL MUSEUM, VICTORIA B. C.

PREFACE.

The present list is intended to include all birds which have been so far proven to occur in British Columbia.

I am fully aware of its incompleteness, and very much regret much of its lack of more definite information regarding the distribution of certain species, and with regard to that portion of the Province in north and northeastern interior, which, I have no doubt, is a valuable field for work.

Since the publication of the list of British Columbia birds in 1898 by the late John Fannin, which contained 339 species and sub-species, and with the information to hand, enables me to add to this 24.

I wish to extend my thanks especially to the following constant observers for more or less extended local lists, notes and specimens:--A. C. Brooks, Chilliwack, Okanagan and Cariboo; Rev. J. H. Keen, Queen Charlotte Islands and Metlakatla; Thos. Kermode, William Head Quarantine Station; E. P. Venables, Yernon; Chas. de Blois Green, Fairview and Keremeos.

I have also obtained valuable information from the check-list published by the late John Fannin.

FRANCIS KERMODE,
Curator Provincial Museum.

Victoria, B. C., August, 1904.

Order PYGOPODES. Diving birds.

Family PODICIPEDID^Y. Grebes.

^YCHMOPHORUS Coues.

1. Western Grebe.

^Ychmophorus occidentalis (Lawr.).

A common winter resident along the coast of Vancouver Island and Mainland. Mr. Brooks says a few remain all winter at Okanagan Lake.

COLYMBUS Linnæus.

2. American Red-necked Grebe. "Holboell's Grebe."

Colymbus holboelli (Reinh.).

A common winter resident along the coast of Vancouver Island and Mainland. Winter resident on Okanagan Lake. (_Brooks_) Not common at Metlakatla. (_Rev. J. H. Keen_) Breeds on many of the lakes along the Cariboo Road above Clinton. (_Fannin_)

3. Horned Grebe.

Colymbus auritus (Linn.).

A common winter resident on the coast, and very common in the straits near Victoria, in April. Brooks reports it at Okanagan Lake all winter. Breeds on the lakes from Okanagan to Dense Lake. (_Fannin_) Rare at Metlakatla. (_Rev. J. H. Keen_)

4. American Eared Grebe.

Colymbus nigricollis californicus (Heerm.).

Taken at Kamloops, June, 1889. (_Spreadborough_) Found breeding on lakes at Kamloops; Catalogue of Canadian Birds. (_Macoun_)

PODILYMBUS Lesson.

5. Pied-billed Grebe.

Podilymbus podiceps (Linn.).

Common resident on Vancouver Island; it breeds on lakes close to Victoria. Common resident on Island and Mainland; breeds throughout its range. (_Fannin_)

Family GAVIID~ Loons.

GAVIA Forster.

6. Great Northern Diver. Loon.

Gavia imber (Gunn.).

Common resident throughout the Province; breeds on Vancouver Island and Mainland.

7. Black-throated Loon.

Gavia arcticus (Linn.).

Taken at Burrard Inlet (_Fannin_), and at Dease Lake, Cassiar, by James Porter.

8. Pacific Loon.

Gavia pacificus (Lawr.).

Not common; one specimen taken at Comox by W. B. Anderson, and at Chilliwack by Brooks; Victoria, May 13th, 1904, by Fred. Foster.

9. Red-throated Loon.

Gavia lumme (Gunn.).

I found this species quite common on Barkley Sound, V. I., April 19th, 1894, and fairly common near Esquimalt. Mr. Brooks reports it at Chilliwack.

Family ALCIDÆ. Auks, Murres and Puffins.

LUNDA Pallas.

10. Tufted Puffin.

Lunda cirrhata (Pall.).

Common along the coast of Vancouver Island, Queen Charlotte Islands and Mainland; breeds on Bare Island, near Sidney, B. C.

FRATERCULA Brisson.

11. Horned Puffin.

Fratercula corniculata (Naum.).

Rare at Massett, Queen Charlotte Islands. (Rev. J. H. Keen.)

CERORHINCA Bonaparte.

12. Rhinoceros Auklet.

Cerorhinca monocerata (Pall.).

Coasts of Vancouver Island and Mainland. Breeds on islands in Gulf of Georgia.

PTYCHORAMPHUS Brandt.

13. Cassin's Auklet.

Ptychorampus aleuticus (Pall.).

The entire coast line of the Province and West Coast of Vancouver Island. (Fannin.) This species was seen in the Gulf of Georgia, between Salt Spring Island and Nanaimo, May 7th, 1887.

(*Macoun*.)

SYNTHLIBORAMPUS Brandt.

14. Ancient Murrelet.

Synthliborampus antiquus (Gmel.).

Not common. West Coast of Vancouver Island and taken in the Straits, near Victoria. Rev. J. H. Keen reports it rare on Queen Charlotte Islands.

BRACHYRAMPHUS Brandt.

15. Marbled Murrelet.

Brachyramphus marmoratus (Gmel.).

An abundant resident along the coast of British Columbia; have taken it at Skidegate, Queen Charlotte Islands, in August, 1895. Rare at Metlakatla. (*Rev. J. H. Keen*.) Breeds on Vancouver Island, and on some of the smaller islands in the Gulf of Georgia, and along many of the inlets of the Mainland. (*Fannin*.)

CEPPHUS Pallas.

16. Pigeon Guillemot.

Cephus columba (Pall.).

An abundant resident along the coast from Race Rocks to Alaska, and quite common in Skidegate Inlet, Q. C. I., August, 1895. Breeds throughout its range.

URIA Brisson.

17. California Murre, Guillemot.

Uria troile californica (Bryant).

A resident along the coast of Vancouver Island and Mainland. Breeds on West Coast of Vancouver Island.

Order LONGIPENNES. Long-winged Swimmers.

Family STERCORARIID[~]. Skuas and Jaegers.

STERCORARIUS Brisson.

18. Pomarine Jaeger.

Stercorarius pomarius (Temm.).

One specimen taken near Victoria, October 22nd, 1898.

19. Parasitic Jaeger.

Stercorarius parasiticus (Linn.).

One specimen taken at Victoria by Wm. L. Gilchrist, November, 1897.

Another specimen was taken at Comox by A. C. Brooks, September 12th, 1903.

20. Long-tailed Jaeger.

Stercorarius longicaudus (Vieill.).

Once shot and several times seen at Sumas Lake, September, 1890.

(Brooks).

Family LARIDÆ. The Gulls and Terns.

PAGOPHILA Kaup.

21. Ivory Gull. Snow Gull.

Pagophila alba (Gunn.).

One specimen shot at Dease Lake, Cassiar, by James Porter, September, 1889. Another specimen was shot at Okanagan Lake in November, 1897, by Mr. J. T. Studley, and presented to the Museum. Mr. A. C. Brooks also reports it from Okanagan.

RISSA Stephens.

22. Pacific Kittiwake.

Rissa tridactyla pollicaris (Ridgw.).

Taken near Discovery Island, January, 1896, by W. Lindley, and at Queen Charlotte Islands by Dr. C. F. Newcombe, September, 1895.

LARUS Linnæus.

23. Glaucous-winged Gull.

Larus glaucesceus (Naum.).

An abundant resident on the coast; breeds on some of the islands in the Gulf of Georgia. Mr. Brooks reports it from Okanagan Lake.

24. Western Gull.

Larus occidentalis (Aud.).

An abundant resident on the coast during the winter months. Taken at Chilliwack. (A. C. Brooks.) Breeds in Similkameen Valley. (Fannin.)

25. American Herring Gull.

Larus argentatus smithsonianus (Coues.).

An abundant resident on the coast. It breeds on the coast and in the interior of Mainland. Common at Metlakatla. (Rev. J. H. Keen.) Chilliwack and Okanagan. (Brooks.)

26. California Gull.

Larus californicus (Lawr.).

A common winter resident on the coast. Common in the Lower Fraser Valley and on the Okanagan Lake in winter. (Brooks.)

27. Ring-billed Gull.

Larus delawarensis (Ord.).

Common along the coast of Vancouver Island and Mainland. Common in winter at Okanagan Lake and Chilliwack. (Brooks.) Breeds in the Interior, especially to the northward. (Fannin.)

28. Short-billed Gull.

Larus brachyrhynchus (Rich.).

Common winter resident along the coast of Vancouver Island and Mainland. Common in Lower Fraser Valley. (Brooks.) During the early part of May, 1891, I saw quite a number on the lakes of the Cariboo District, where it probably breeds. (Fannin.)

29. Heermann's Gull. White-headed Gull.

Larus heermanni (Cass.).

Common along the southern coast of Vancouver Island during July and August. Taken at William Head in full plumage, June 28th, 1904, by Thos. Kermod.

30. Bonaparte's Gull.

Larus philadelphia (Ord.).

An abundant resident throughout the Province, and found in great numbers about the inlets and rivers in March and April; it breeds in

the interior of the Province. I have also seen it on the coast in June and July.

XEMA Leach.

31. Sabine's Gull.

Xema sabinii (Sab.).

Taken at Okanagan Lake, September 9th, 1897. (_Brooks_)

STERNA Linnæus.

32. Common Tern.

Sterna hirundo (Linn.).

One specimen shot at Cowichan Gap by R. D. McClure, September 15th, 1896, and presented to the Museum.

33. Arctic Tern.

Sterna paradisæ (Brunn.).

From Dease Lake south, through the interior of the Mainland to Okanagan Lake. Two specimens--one taken at Dease Lake by James Porter, and another shot at Okanagan Lake by A. C. Brooks, September, 1807.

HYDROCHELIDON Boie.

34. Black Tern.

Hydrochelidon nigra surinamensis (Gmel.).

Not common. I observed it at Okanagan, June, 1895. Taken at Sumas and Okanagan Lake by A. C. Brooks, Burrard Inlet, Eraser River and interior of Mainland. (_Fannin_)

Order TUBINARES. Tube-nosed Swimmers.

Family DIOMEDEID[~]. Albatrosses.

DIOMEDEA Linnæus.

35. Black-footed Albatross.

Diomedea nigripes (Aud.).

West Coast of Vancouver Island. (_Fannin_) Rare at Queen Charlotte Islands. (_Rev. J. H. Keen_) One specimen taken near

Nanaimo, June 3th, 1904.

36. Short-tailed Albatross.

Diomedea albatrus (Pall.)

In April, 1894, I found this species quite common in the Pacific Ocean, near Cape Beale.

Tolerably common on both coasts of Vancouver Island, but more abundant on the West Coast; a few have been taken in the straits off Victoria Harbour. (*_Fannin_*.)

Family PROCELLARIID[~]. Fulmars & Shearwaters.

FULMARIUS Stephens.

37. Pacific Fulmar.

Fulmarus glacialis glupischa (Stejn.).

One specimen taken at Chemainus, Vancouver Island, November, 1895. (*_Fannin_*.)

PUFFINUS Brisson.

38. Black-vented Shearwater.

Puffinus opisthomelas (Coues).

Not common; four specimens taken off Albert Head, October 24th, 1891.

39. Dark-bodied Shearwater.

Puffinus griseus (Gmel.).

During the fall of 1895 Dr. C. F. Newcombe found this species common on the West Coast of Queen Charlotte Islands. Since then one was picked up dead on the beach near Victoria.

40. Slender-billed Shearwater.

Puffinus tenuirostris (Temm.).

Not common; one specimen shot at William Head and presented to the Museum by T. Kermode, February 23rd, 1904.

OCEANODROMA Reichenbach.

41. Gray Fork-tailed Petrel.

Oceanodroma furcata (Gmel.).

Found along both coasts of Vancouver Island, but more common on the Pacific Coast; a few have been taken in the Straits near Victoria.

Very rare at Metlakatla; one picked up exhausted.

(_Rev. J. H. Keen_)

42. Leach's Fork-tailed Petrel. White-rumped Petrel.

Oceanodroma leucorhoa (Vieill.) Coues.

West Coast of Vancouver Island. Four specimens taken in Hecate Strait, July, 1904. One specimen found dead on beach off Beacon Hill, Victoria, November, 1893.

Order STEGANOPODES. Totipalmate Swimmers.

Family PHALACROCORACID^y. Cormorants.

PHALACROCORAX Brisson.

43. White-crested Cormorant.

Phalacrocorax dilophus cincinnatus (Brandt).

Common on both coasts of Vancouver Island and coast of Mainland, from Race Rocks to Alaska.

44. Brandt's Cormorant. Pencilled Cormorant.

Phalacrocorax penicillatus (Brandt).

Two specimens were killed in the Straits, near Victoria, by D. E. Campbell, April 19th, 1897. Later in the month another specimen was found on the beach at Beacon Hill.

45. Violet-green Cormorant.

Phalacrocorax pelagicus robustus (Ridgw.).

This is the most abundant Cormorant in the Province, and is found along both coasts of the Island, and has been taken as far north as Port Simpson. Breeds on islands close to Sidney Island. Common at Metlakatla. (_Rev. J. H. Keen_)

Family PELECANID^y. Pelicans.

PELECANUS Linnæus.

46. American White Pelican.

Pelecanus erythrorhynchos (Gmel.).

Not common. Four specimens taken--Sicamous, October, 1890; Alexandria Bridge, September, 1895; Tranquille, August, 1897; Comox, September 8th, 1900. Mr. Brooks reports it from Chilliwack and Okanagan. Said to breed in the Chilcotin country. (_Fannin_.)

47. California Brown Pelican.

Pelecanus californicus (Ridgw.).

Not common. One specimen in the Museum killed at Race Rocks, January, 1897. Seen at Sumas Lake. (_Brooks_.)

Order ANSERES. Lamellirostral Swimmers.

Family ANATID[~]. Mergansers, Ducks, Geese and Swans.

MERGANSER Brisson.

48. American Merganser.

Merganser americanus (Cass.).

Found throughout the Province, have taken it on West Coast of Vancouver Island in May; also on Queen Charlotte Islands in July, 1895, I took four young birds. Brooks reports it found on Okanagan Lake all winter.

49. Red-breasted Merganser.

Merganser serrator (Linn.).

Found distributed throughout the Province. I saw them at Sumas Lake May 17th, 1904. Rev. J. H. Keen says common at Metlakahtla, Chilliwack and Okanagan. (_Brooks_.)

LOPHODYTES Reichenbach.

50. Hooded Merganser.

Lophodytes cucullatus (Linn.).

This species is common throughout the Province and on the Pacific Coast. Brooks has taken it at Chilliwack and Okanagan.

ANAS Linnæus.

51. Mallard.

Anas boschas (Linn.).

An abundant resident throughout the Province; breeds in suitable localities throughout its range.

CHAULELASMUS Bonaparte.

52. Gadwall. Gray Duck.

Chaulelasmus strepera (Linn.).

Not common; a few have been taken near Victoria. Mr. Brooks reports it from Chilliwack and Okanagan.

MARECA Stephens.

53. European Widgeon.

Mareca penelope (Linn.).

Rare. Two specimens, one taken near Victoria February 9th, 1899, and another near Saanich.

54. American Widgeon. Baldpate.

Mareca americana (Gmel.).

A common winter resident on the coast. Brooks reports it from Chilliwack and Okanagan. Breeds on lakes on Cariboo Road above Clinton. (_Fannin_.)

NETTION Kaup.

55. Green-winged Teal.

Nettion carolinensis (Gmel.).

An abundant resident, Breeds in the interior of the Mainland. Common on the coast throughout the winter. Rare on Queen Charlotte Islands. (_Rev. J. H. Keen_.)

QUERQUEDULA Stephens.

56. Blue-winged Teal.

Querquedula discors (Linn.).

Not common on the coast; a few are taken every year. Taken at Chilliwack. (_Brooks_.)

57. Cinnamon Teal.

Querquedula cyanoptera (Vieill.).

A summer visitor in the interior of the Province. Brooks has taken it at Chilliwack and Okanagan.

SPATULA Boie.

58. Shoveller. Spoon-bill.

Spatula clypeata (Linn.).

A common resident on the Mainland, rarely met with on Vancouver Island. Brooks says common resident in Lower Fraser Valley about Sumas Lake, has also taken it on Okanagan.

DAFILA Stephens.

59. Pintail. Sprigtail.

Dafila acuta (Linn.).

An abundant winter resident on the coast. Breeds in the interior of the Mainland.

AIX Boie.

60. Wood Duck.

Aix sponsa (Linn.).

Not common. A summer resident on Island and Mainland. Brooks has taken it at Chilliwack and Okanagan.

AYTHYA Boie.

61. Red-head. Pochard.

Aythya americana (Eyt.).

A winter resident on the coast, but nowhere common; a few are taken every season. Fannin found it breeding on the lakes along the Cariboo Road.

62. Canvas-back Duck.

Aythya vallisneria (Wils.).

A winter resident on the coast. Brooks has taken it on Okanagan Lake. I found them in pairs on the lakes near 108-Mile House, Cariboo Road, in April and May, 1891, where I was told they breed. (_Fannin_).

63. American Scaup Duck. Blue-bill.

Aythya marila (Linn.).

An abundant winter resident on the coast. Breeds in the interior of Mainland.

64. Lesser Scaup Duck.

Aythya affinis (Eyt.).

Not common on the coast. Fannin has taken it in May near Ashcroft, and Brooks has seen it all winter at Okanagan.

65. Ring-necked Duck.

Aythya collaris (Donov.).

Not common. A few have been taken on Vancouver Island. Mr. Brooks says common in Lower Fraser Valley, and is found all winter on Okanagan Lake.

CLANGULA Leach.

66. American Golden-eye. Whistler.

Clangula clangula americana (Faxon.)

A common winter resident on the coast. Fannin says breeds in interior. Brooks has taken it at Chilliwack and Okanagan.

67. Barrow's Golden-eye.

Clangula islandica (Gmel.).

Not common. It winters on the coast; a few have been taken on Vancouver Island. Brooks has taken it at Okanagan. Fannin found it plentiful on the lakes along the Cariboo Road, May, 1891.

CHARITONETTA Stejneger.

68. Buffle-head. Butter-ball.

Charitonetta albeola (Linn.).

An abundant winter resident on the coast. Breeds in the interior of the Mainland. Common at Metlakatla. (_Rev. J. H. Keen_)

HARELDA Stephens.

69. Long-tailed Duck. Old Squaw.

Harelda hyemalis (Linn.).

Common; the coasts of Vancouver Island and Mainland. Brooks has taken

it at Chilliwack. Rev. J. H. Keen reports it common at Metlakatla.

HISTRIONICUS Lesson.

70. Harlequin Duck.

Histrionicus histrionicus (Linn.).

A common resident on the coast. I found it breeding at Bear River, Vancouver Island, May, 1894. Brooks has taken it at Chilliwack. Rare at Queen Charlotte Islands. (_Rev. J. H. Keen_.)

OIDEMIA Fleming.

71. American Black Scoter.

Oidemia americana (Swains.).

Not common; has been taken at Victoria and Port Simpson. Fannin saw a small flock on a lake near 108-Mile House, Cariboo Road, 10th May, 1891. Fairly common at Matlakatla. (_Rev. J. H. Keen_.)

72. White-winged Scoter.

Oidemia deglandi (Bonap.).

An abundant resident, and is found on the coast throughout the year. Brooks reports it from Chilliwack and Okanagan. Rev. J. H. Keen says is common at Metlakatla.

73. Surf Scoter. Sea Coot.

Oidemia perspicillata (Linn.).

Abundant resident along the coasts of Vancouver Island and Mainland. Found at Chilliwack and Okanagan. (_Brooks_) Common at Metlakatla. (_Rev. J. H. Keen_.)

ERISMATURA Bonaparte.

74. Ruddy Duck.

Erismatura jamaicensis (Gmel.).

Not common on the Coast; a few are taken in the winter. Fannin found it breeding in the lakes along the Cariboo Road, May, 1891. Brooks has seen it at Chilliwack and Okanagan.

CHEN Boie.

75. Lesser Snow Goose.

Chen hyperborea (Pall.).

A winter resident on the Coast. Brooks has seen it at Chilliwack. During some winters large numbers congregate off the mouth of Fraser River. (_Fannin_)

76. Ross's Snow Goose.

Chen rossii (Cassin.).

This is a rare bird in B. C. One specimen taken at Comox, January, 1894; another was taken at Kuper Island, April, 1895.

ANSER Brisson.

77. American White-fronted Goose.

Anser albifrons gambeli (Hartl.).

Abundant on the Coast in winter. Breeds both on Island and Mainland. The young have been taken on Cowichan Lake. (_Fannin_) Brooks has taken it at Sumas and Okanagan Lakes. Common at Metlakatla. (_Rev. J. H. Keen_)

BRANTA Scopoli.

78. Canada Goose.

Branta canadensis (Linn.).

An abundant winter resident on the Coast. Breeds in the interior of the Mainland; the eggs have been taken at Penticton by C. DeBlois Green.

79. Hutchin's Goose.

Branta canadensis hutchinsii (Rich.).

Abundant in the spring and fall migrations, and winters on the Coast.

80. White-cheeked Goose.

Branta canadensis occidentalis (Baird).

Taken at Chilliwack by A. C. Brooks.

81. Cackling Goose.

Branta canadensis minima (Ridgw.).

Winter resident on the Coast; has been taken at Elk Lake, near Victoria. Brooks reports it from Chilliwack and Okanagan.

82. Brant.

Branta bernicla glaucogastra (Brehm.).

Two specimens shot at Comox by A. C. Brooks, January 10th, 1904.

83. Black Brant.

Branta nigricans (Lawr.).

An abundant winter resident on the Coast. In April, 1894. I saw them in great numbers off Barkley Sound migrating north.

PHILACTE.

84. Emperor Goose.

Philacate canagica (Sevast.).

One specimen shot at Chemainus, December, 1894.

OLOR Wagler.

85. Whistling Swan.

Olor columbianus (Ord.).

A winter resident on Vancouver Island and southern Mainland. Mr. Brooks records it from Chilliwack and Okanagan.

86. Trumpeter Swan.

Olor buccinator (Rich.).

I have only seen this bird at Deaso Lake, Cassiar. (*_Fannin_*)
Mr. Brooks has found it at Sumas and Okanagan.

Order HERODIONES. Herons, Ibises, etc.

Family IBIDID^s. Ibises.

PLEGADIS Kaup.

87. White-faced Glossy Ibis.

Plegadis guarauna (Linn.).

Only two specimens known to be taken in the Province, one on Salt Spring Island, the other at mouth of Fraser River. Check List of B. C. Birds, 1891. (*_Fannin_*)

Family ARDEID². Herons and Bitterns.

BOTAURUS Hermann.

88. American Bittern.

Botaurus lentiginosus (Montag.).

Common throughout the greater portion of the Province. Breeds both east and west of Cascades.

ARDEA Linnæus.

89. Great Blue Heron.

Ardea herodias (Linn.).

A common resident on the coast, and is quite common at Sumas Lake and Okanagan. Breeds throughout its range.

90. Northwest Coast Heron.

Ardea herodias fannini (Chapman).

In August, 1895, I found this form, now named after the late John Fannin by Frank M. Chapman, quite common at Skidegate, Queen Charlotte Islands.

EGRETTA Forester.

91. Snowy Heron.

Egretta candidissima (Gmel.).

Rare in British Columbia. Two specimens collected at Burrard Inlet, May, 1879. (*_Fannin_*.) One specimen is in the Museum.

Order PALUDICOL². Cranes, Rails, etc.

Family GRUID². Cranes.

GRUS Pallas.

92. Little Brown Crane.

Grus canadensis (Linn.).

Common, during migrations, throughout the Province.

93. Sandhill Crane.

Grus mexicana (Mull.).

Common throughout the Province; it breeds in the interior of Mainland; numbers pass over Victoria in the spring and autumn migrations.

Family RALLID[~]. Rails and Coots.

RALLUS Linnæus.

94. Virginia Rail.

Rallus virginianus (Linn.).

Tolerably common on Island and Mainland; breeds close to Victoria. Brooks has taken it at Chilliwack and Okanagan.

PORZANA Vieillot.

95. Carolina Rail. Sora.

Porzana Carolina (Linn.).

Found on Vancouver Island and Mainland. Rev. J. H. Keen reports it very rare on Queen Charlotte Islands. Common east of Cascades. (_Fannin_.)

FULICA Linnæus.

96. American Coot. Mud-hen.

Fulica americana (Gmel.).

A common resident on Island and Mainland; breeds throughout its range.

Order LIMICOL[~]. Shore Birds.

Family PHALAROPODID[~]. Phalaropes.

CRYMOPHILUS Vieillot.

97. Red Phalarope.

Crymophilus fulcarius (Linn.).

Taken at Clover Point, near Victoria, during migration.

PHALAROPUS Brisson.

98. Northern Phalarope.

Phalaropus lobatus (Linn.).

Abundant along the coast of Island and Mainland in the spring and autumn. Brooks has taken it at Chilliwack and Okanagan. Fannin has taken it at Burrard Inlet in July.

STEGANOPUS. Vieillot.

99. Wilson's Phalarope.

Steganopus tricolor (Vieill.).

Taken at Chilliwack by A. C. Brooks.

Family SCOLOPACIDÆ. Snipes, Sand-pipers, Etc.

GALLINAGO Leach.

100. Wilson's Snipe.

Gallinago delicata (Ord.)

Common throughout the Province on Island and Mainland; breeds in the interior. Rev. J. H. Keen reports it common at Metlakatla.

MACRORHAMPHUS Leach.

101. Long-billed Dowitcher. Red-breasted Snipe.

Macrorhamphus scolopaceus (Say.).

Tolerably abundant throughout the Province. I found it quite common at Clayoquot, West Coast Vancouver Island, in May, 1894. Fannin says breeds in the interior. Brooks has taken it at Chilliwack. Fairly common at Metlakatla. (*_Rev. J. H. Keen_*)

MICROPALAMA Baird.

102. STILT SANDPIPER.

Micropalama himantopus (Bonap.).

Taken at Chilliwack, August 19th, 1899, by A. C. Brooks.

TRINGA Linnæus.

103. KNOT. ROBIN SNIPE.

Tringa canutus (Linn.).

Abundant during migrations, chiefly along the coast. (_Fannin_)
Taken at Chilliwack. (_Brooks_)

ACTODROMAS Kaup.

104. SHARP-TAILED SANDPIPER.

Actodromas acuminata (Horsf.).

Two specimens taken at Massett, Queen Charlotte Islands, December 27th, 1897, by Rev. J. H. Keen.

105. PECTORAL SANDPIPER.

Actodromas maculata (Vieill.).

Not common; taken along the coast during migrations. Brooks has taken it at Chilliwack and Okanagan.

106. BAIRD'S SANDPIPER.

Actodromas bairdii (Coues.).

Distributed along the coast of Island and Mainland, Rev. J. H. Keen reports it rare at Metlakatla. Taken at Chilliwack and Okanagan (_Brooks_); and at Clover Point, Victoria (_E. M. Anderson_).

107. LEAST SANDPIPER.

Actodromas minutilla (Vieill.).

Common along the coast of Island and Mainland. I found it common at Clayoquot in May, 1894; I have also taken it near Victoria in July. Brooks has taken it at Chilliwack and Okanagan. Fannin has taken it at 108-Mile House, Cariboo Road, in May.

PELIDNA Cuvier.

108. RED-BACKED SANDPIPER.

Pelidna alpina sakhalina (Vieillot).

Common in the spring and autumn migration along the coast of Island and Mainland. Brooks has taken it at Chilliwack.

EREUNETES Illiger.

109. SEMIPALMATED SANDPIPER.

Ereunetes pusillus (Linn.).

Not uncommon in migration along the Coast. Chilliwack and Okanagan.
(Brooks) Common at Metlakatla. (Rev. J. H. Keen)

110. WESTERN SEMIPALMATED SANDPIPER.

Ereunetes pusillus occidentalis (Lawr.).

Abundant in the fall along the Coast. I also found it very common at Clayoquot, May, 1894, and have taken it near Victoria in July. Brooks has taken it at Chilliwack.

CALIDRIS Cuvier.

111. SANDERLING.

Calidris arenaria (Linn.).

Not common; several have been taken near Victoria by A. H. Maynard. Brooks has taken it at Chilliwack. Fairly common at Metlakatla.
(Rev J. H. Keen)

LIMOSA Brisson.

112. MARBLED GODWIT.

Limosa fedoa (Linn.).

The whole of British Columbia; breeds chiefly east of Cascades.
(Fannin) Port Simpson. (W. B. Anderson)

TOTANUS Bechstein.

113. GREATER YELLOW-LEGS.

Totanus melanoleucus (Gmel.).

Common along the coast in winter; have taken it at Clayoquot in May. Brooks has taken it at Chilliwack and Okanagan. I found it breeding around the lakes at Clinton, May, 1891. (Fannin)

114. LESSER YELLOW-LEGS.

Totanus flavipes (Gmel.).

Tolerably common through the Province; winters on the coast. Brooks has taken it at Chilliwack and Okanagan.

HELODROMAS Kaup.

115. SOLITARY SANDPIPER.

Helodromas solitarius (Wils.).

Found throughout the Province. Taken at Chilliwack and Okanagan.
(Brooks).

116. WESTERN SOLITARY SANDPIPER.

Helodromas solitarius cinnamomeus (Brewster).

Taken at Chilliwack and Okanagan. (Brooks).

SYMPHEMIA Rafinesque.

117. WESTERN WILLET.

Symphemia semipalmata inornata (Brewster).

One specimen shot at Clover Point, near Victoria, August 18th, 1898,
by Mr. J. Henley.

HETERACTITIS Stejneger.

118. WANDERING TATLER.

Heteractitis incanus (Gmel.).

Tolerably common along the coast of Island and Mainland. I took it at
Clayoquot, May, 1894, and at Skidegate, Queen Charlotte Islands,
August 5th, 1895.

BARTRAMIA Lesson.

119. BARTRAMIAN SANDPIPER.

Bartramia longicauda (Bechst.).

One specimen shot at Comox, August 20th, 1895, by W. B. Anderson.
Another was taken at 150-Mile House, Cariboo Road, May 16th, 1901, by
A. C. Brooks.

TRYNGITES Cabanis.

120. BUFF-BREASTED SANDPIPER.

Tryngites subruficollis (Vieill.).

Not common. Taken at Chilliwack by A. C. Brooks.

ACTITIS Illiger.

121. SPOTTED SANDPIPER.

Actitis macularia (Linn.).

This bird is found along the entire coast; I have taken it at

Clayoquot Vancouver Island, and at Skidegate, Queen Charlotte Islands, July 26th, 1895. Brooks has taken it at Chilliwack and Okanagan.

NUMENIUS Brisson.

122. LONG-BILLED CURLEW.

Numenius longirostris (Wils.).

A few specimens have been taken on the coast, but is to be more frequently met with in the interior of the Mainland, south through the Okanagan.

123. HUDSONIAN CURLEW.

Numenius hudsonicus (Lath.).

Not common, but distributed along the coast of Island and Mainland. I have taken it at Clayoquot in May, 1894. W. B. Andersen has taken it at Port Simpson, and J. Maynard at Cadboro Bay, near Victoria.

Family CHARADRIID[~]. Plovers, Etc.

CHARADRIUS Linnæus.

124. BLACK-BELLIED PLOVER.

Charadrius squatarola (Linn.).

Abundant during migrations along the coast. Brooks has taken it at Chilliwack and Okanagan.

125. AMERICAN GOLDEN PLOVER.

Charadrius dominicus (Mull.).

Common on the coast during migrations. Brooks has taken it at Chilliwack and Okanagan. Rev. J. H. Keen reports it common at Metlakatla. W. B. Anderson has taken it at Port Simpson.

[~]GIALITIS Boie.

126. KILLDEER PLOVER.

~gialitis vocifera (Linn.).

Found throughout the Province; occasionally on the coast in winter. Brooks has taken it at Chilliwack and Okanagan.

127. SEMIPALMATED PLOVER.

~gialitis semipalmata (Bonap.).

Not common. I took two specimens on the West Coast, Vancouver Island--one at Ucluelet, April 28th, 1894, the other at Clayoquot, May, 1894. A. H. Maynard shot one at Cadboro Bay, Victoria.

Family APHRIZID^Y. Surf-birds and Turnstones.

APHRIZA Audubon.

128. SURF-BIRD.

Aphriza virgata (Gmel.).

Not uncommon along the entire coast line of the Province. I found it quite common at Clayoquot, May, 1894. It has been taken at Port Simpson by W. B. Anderson.

ARENARIA Brisson.

129. TURNSTONE.

Arenaria interpres (Linn.).

Along the entire coast line, but not common. It has been taken at Port Simpson and Sidney Island. Brooks has taken it at Sumas Lake.

130. BLACK TURNSTONE.

Arenaria melanocephala (Vig.).

Common along the entire coast of the Province. I have taken it at Clayquot in May, 1894, and I found it very common at Skidegate, Queen Charlotte Islands, in July, 1895, and it is found near Victoria throughout the winter.

Family H^YMATOPODID^Y. Oyster-Catchers.

H^YMATOPUS Linnaeus.

131. BLACK OYSTER-CATCHER.

Haematopus bachmani (Aud.).

Abundant along the entire coast of Island and Mainland. Breeds throughout its range. Common on Queen Charlotte Islands, at Skidegate.

Order GALLIN^Y. Gallinaceous Birds.

Family TETRAONID^y. Grouse, Partridges, Etc.

OREORTYX Baird.

132. MOUNTAIN PARTRIDGE.

Oreortyx pictus (Dougl.).

Common on Vancouver Island. Introduced from California.

LOPHORTYX Bonaparte.

133. CALIFORNIA PARTRIDGE.

Lophortyx californicus (Shaw.).

Common on Vancouver Island. Introduced from California.

DENDRAGAPUS Elliot.

134. SOOTY GROUSE.

Dendragapus obscurus fuliginosus (Ridgw.).

Abundant west of Cascade Mountains, including Vancouver Island, Queen Charlotte Islands, and all the larger islands along the coast.

135. RICHARDSON'S GROUSE.

Dendragapus obscurus richardsonii (Dougl.).

An abundant resident east of Cascade Mountains to Rocky Mountains.

CANACHITES Stejneger.

136. FRANKLIN'S GROUSE.

Canachites franklinii (Dougl.).

An abundant resident throughout the wooded portion of the interior east of the Cascade Mountains, from Okanagan to Cassiar.

BONASA Stephens.

137. CANADIAN RUFFED GROUSE.

Bonasa umbellus togata (Linn.).

An abundant resident east of and including the Cascade Mountains. Taken at Chilliwack by A. C. Brooks.

138. GRAY RUFFED GROUSE.

Bonasa umbellus umbelloides (Dougl.).

Rocky Mountain District, Soda Creek and Beaver Pass. Check List of B. C. Birds, 1898. (Fannin_) Okanagan, A. C. Brooks.

139. OREGON RUFFED GROUSE.

Bonasa umbellus sabini (Dougl.).

An abundant resident on Vancouver Island and all the larger islands of the coast, and on the Mainland west of Cascade Mountains.

LAGOPUS Brisson.

140. WILLOW PTARMIGAN.

Lagopus lagopus (Linn.).

Northern portion of British Columbia, Dease Lake, Cassiar. (James Porter_) Log Cabin, Atlin. (Fletcher_ and Englehardt_).

141. ROCK PTARMIGAN.

Lagopus rupestris (Gmel.).

Common on the summit of most of the mountains on the Mainland and Vancouver Island. (Fannin_) Quite common at Atlin.

142. WHITE-TAILED PTARMIGAN.

Lagopus leucurus (Swains. & Rich.).

Found on the summit of most mountains on the Mainland except the Coast Range. Taken at Okanagan. (Brooks_) Cassiar. (James Porter_)

PEDIOECETES Baird.

143. COLUMBIAN SHARP-TAILED GROUSE. PRAIRIE CHICKEN.

Pedioecetes phasianellus columbianus (Ord.).

An abundant resident east of Cascade Range through the southern portions of the Province. E. P. Venables reports it common near Vernon.

CENTROCERCUS Swainson.

144. SAGE GROUSE.

Centrocercus urophasianus (Bonap.).

Three specimens taken by Mr. G. B. Martin at Osoyoos Lake in October, 1864. (Check List of B. C. Birds, 1891. _Fannin_.)

Family PHASIANID^s. Pheasants.

PHASIANUS Linnæus.

145. RING-NECKED PHEASANT.

Phasianus torquatus (Linn.).

Abundant on Vancouver Island and in the Lower Fraser River Valley and other portions of the Mainland. Introduced from China; now thoroughly naturalised.

Order COLUMB^s. Pigeons.

Family COLUMBID^s. Pigeons.

COLUMBA Linnæus.

146. BAND-TAILED PIGEON.

Columba fasciata (Say.).

A common summer resident in the south-western portions of the Province including Vancouver Island.

ECTOPISTES Swainson.

147. PASSENGER PIGEON.

Ectopistes migratorius (Linn.).

Mentioned in John Keast Lord's "Naturalist in British Columbia" (1866). If it ever did occur here, it is now, without doubt, extinct. (_Fannin_.)

ZENAIDURA Bonaparte.

148. MOURNING DOVE.

Zenaidura macroura (Linn.).

Not common on Vancouver Island. I found it quite common in the Okanagan in June, 1895. Brooks has taken it at Chilliwack. Rev. J. H. Keen reports it rare at Metlakatla.

Order RAPTORES. Birds of Prey.

Family CATHARTID*. American Vultures.

GYMNOGYPS Lesson.

149. CALIFORNIA VULTURE.

Gymnogyps californianus (Shaw.).

In September, 1880, I saw two of these birds at Burrard Inlet. It is more than probable they are accidental visitants here. Lord says: Mouth of Fraser River; seldom visits the Interior. (Fannin.)

CATHARTES Illiger.

150. TURKEY VULTURE.

Cathartes aura (Linn.).

Tolerably common on Vancouver Island and portions of the Mainland. Brooks has taken it at Chilliwack and Okanagan.

Family FALCONID*. Falcons, Hawks, Eagles, etc.

CIRCUS Lacøpłde.

151. MARSH HAWK.

Circus hudsonius (Linn.).

Common on Vancouver Island and Mainland. Abundant on the Mainland. Partially migratory; a few are found throughout the winter at Ladners. (Fannin.) Chilliwack and Okanagan. (Brooks.)

ACCIPITER Brisson.

152. SHARP-SHINNED HAWK.

Accipiter velox (Wils.).

Abundant on Vancouver Island and portions of the Mainland. Brooks has taken it at Chilliwack and Okanagan.

153. COOPER'S HAWK.

Accipiter cooperii (Bonap.).

Found on Vancouver Island and Mainland; have taken it at Sicamous. Brooks has taken it at Chilliwack and Okanagan.

154. AMERICAN GOSHAWK.

Accipiter atricapillus (Wils.).

Rather common in interior of Province. A few have been taken on Vancouver Island. Brooks has taken it at Chilliwack and Okanagan.

155. WESTERN GOSHAWK.

Accipiter atricapillus striatulus (Ridgw.).

Common throughout the Province. I found it very common at Skidegate, Queen Charlotte Islands, in August, 1895.

BUTEO Cuvier.

156. WESTERN RED-TAILED HAWK.

Buteo borealis calurus (Cass.).

An abundant resident on Vancouver Island and coast of Mainland. Taken at Chilliwack and Okanagan. (*_Brooks_*) Rare at Massett, Queen Charlotte Islands. (*_Rev. J. H. Keen_*)

157. RED-BELLIED HAWK.

Buteo lineatus elegans (Cass.).

Not common. I have no record of it on Vancouver Island. It has been taken at Burrard Inlet by J. Fannin, and at Chilliwack by A. C. Brooks.

158. SWAINSON'S HAWK.

Buteo swainsoni (Bonap.).

Not common on Vancouver Island; it has been taken at Victoria and Union. Brooks has taken it at Chilliwack and Okanagan.

ARCHIBUTEO Brehm.

159. AMERICAN ROUGH-LEGGED HAWK.

Archibuteo lagopus sancti-johannis (Gmel.).

Not common. Found on both Vancouver Island and Mainland. Brooks has taken it at Chilliwack and Okanagan.

AQUILA Brisson.

160. GOLDEN EAGLE.

Aquila chrysaetos (Linn.).

Found throughout the entire Province. Rare on Vancouver Island. A resident.

HALIÆTUS Savigny.

161. BALD EAGLE.

Haliaeetus leucocephalus alascanus (C. H. Townsend).

An abundant resident throughout the entire Province, on Island and Mainland. Breeds throughout its range. Common on Queen Charlotte Islands.

FALCO Linnæus.

162. GYRFALCON.

Falco rusticolus gyrfalco (Linn.).

One specimen shot at Comox, October, 1894, by W. Harvey. Brooks has taken it at Chilliwack.

163. PRAIRIE FALCON.

Falco mexicanus (Schleg.).

Taken at Chilliwack by A. C. Brooks, and at Kamloops, November, 1894, by W. Fortune.

164. DUCK HAWK.

Falco peregrinus anatum (Bonap.).

Apparently more common on the Mainland than Vancouver Island. Several have been taken in the Okanagan Country.

165. PEALE'S FALCON.

Falco peregrinus pealei (Ridgw.).

Found chiefly along the coasts of Mainland and Vancouver Island. Several specimens have been taken at Cadboro Bay, near Victoria. Mr. Brooks has taken it at Chilliwack. Rare at Metlakatla. (Rev. J. H. Keen.)

166. PIGEON HAWK.

Falco columbarius (Linn.).

Apparently more common east of the Coast Range. A few have been taken on the Coast. Brooks has taken it at Chilliwack and Okanagan.

167. BLACK MERLIN.

Falco columbarius suckleyi (Ridgw.).

Abundant; summer resident on Vancouver Island and portions of Mainland. Mr. Brooks has taken it at Chilliwack and Okanagan.

168. RICHARDSON'S MERLIN.

Falco richardsonii (Ridgw.).

Not common on Vancouver Island; a few specimens have been taken near Victoria. Brooks has taken it at Chilliwack and Okanagan.

169. DESERT SPARROW HAWK.

Falco spaverius phaloena (Lesson).

Abundant throughout the southern portion of Mainland, including Vancouver Island, from the coast to Rocky Mountains.

PANDION Savigny.

170. AMERICAN OSPREY. FISH HAWK.

Pandion halioetus carolinensis (Gmel.).

Common throughout the Province, on Mainland and Island, including Queen Charlotte Islands. Their nest is a huge heap of sticks, usually on the broken top of a tree.

Family BUBONID^Y. Horned Owls, etc.

ASIO Brisson.

171. AMERICAN LONG-EARED OWL.

Asio wilsonianus (Less.).

Not common; a few have been taken on Vancouver Island. Mr. Brooks has taken it at Chilliwack and Okanagan.

172. SHORT-EARED OWL.

Asio accipitrinus (Pall.).

Common throughout the Province, on Island and Mainland; rather common near Victoria throughout the winter.

SYRNIUM Sanigny.

173. NORTHERN SPOTTED OWL.

Syrnium occidentale caurinum (Merriam).

Rare resident at Chilliwack and Mount Lehman (Brooks.) The late John Fannin had this bird on his first list of B. C. birds, he having taken it at Burrard Inlet some years ago, but in his lists of 1891 and 1898 he dropped it.

SCOTIAPTEX Swainson.

174. GREAT GREY OWL.

Scotiaptex nebulosa (Forster).

A rare bird in this Province; it has been taken at Vernon and Stewart's Lake. Brooks has taken it at Chilliwack.

CRYPTOGLAUX Richmond.

175. RICHARDSON'S OWL.

Cryptoglaux tengmalmi richardsoni (Bonaparte).

Taken at Okanagan by A. C. Brooks.

176. SAW-WHET OWL.

Cryptoglaux acadica (Gmel.).

Not common on Vancouver Island; several have been taken near this city. Tolerably at Chilliwack and common in winter at Okanagan. (Brooks.)

176A. NORTH-WEST SAW-WHET OWL.

Cryptoglaux acadica scotæ (Osgood).

Queen Charlotte Islands.

MEGASCOPS Kaup.

177. KENNICOTT'S SCREECH OWL.

Megascops asio kennicottii (Elliot).

An abundant resident throughout the Province. Breeds in the neighbourhood of Victoria.

178. MACFARLANE'S SCREECH OWL.

Megascops asio macfarlanei (Brewst.).

Southern portion of the Province, east of Cascade Mountains.

BUBO Dumeril.

179. GREAT HORNED OWL.

Bubo virginianus (Gmel.).

Taken at Chilliwack by A. C. Brooks, and near Victoria by John Hall, November, 1896.

180. WESTERN HORNED OWL.

Bubo virginianus pallescens (Stone).

Common on Vancouver Island and Mainland. Taken at Chilliwack and Okanagan. (Brooks.)

181. ARCTIC HORNED OWL.

Bubo virginianus arcticus (Swains.).

One specimen taken near Victoria, November, 1896, by A. H. Maynard, and at Chilliwack by A. C. Brooks.

182. DUSKY HORNED OWL.

Bubo virginianus saturatus (Ridgw.).

An abundant resident in this Province; common on Vancouver Island. Brooks has taken it at Chilliwack and Okanagan.

NYCTEA Stephens.

183. SNOWY OWL.

Nyctea nyctea (Linn.).

A resident in the northern portions of the Province, south in winter to mouth of Fraser River, Chilliwack and Okanagan, occasionally to Vancouver Island. Rev. J. H. Keen reports it rare at Metlakatla.

SURNIA DumØril.

184. American Hawk Owl.

Surnia ulula caparoch (Mull.).

Not common, but found throughout the southern part of the Province from the Coast to Okanagan. Rare on Vancouver Island. It has been taken at Victoria, Sardis, Grand Prairie and Vernon.

SPEOTYTO Gloger.

185. Burrowing Owl.

Speotyto cunicularia hypogaea (Bonap.).

Not common, but is found in suitable localities in the southern portions of the Province from Chilliwack to Okanagan. Mr. Brooks has taken three specimens at Chilliwack. Rare at Vernon.
(E. P. Venables.)

GLAUCIDIUM Boie.

186. Pygmy Owl.

Glaucidium gnoma (Wagl.).

Common throughout the Province. (Fannin.)

187. California Pygmy Owl.

Glaucidium gnoma californicum (Scl.).

Common throughout the southern portions of the Province, including Vancouver Island.

Order COCCYGES. Cuckoos and Kingfishers.

Family CUCULIDÆ. Cuckoos.

COCCYZUS Vieillot.

188. Western Yellow-billed Cuckoo. California Cuckoo.

Coccyzus americanus occidentalis (Ridgw.).

A regular summer resident in the southwestern portions of the Province. It breeds on Vancouver Island near Victoria. Mr. Brooks has taken it at Chilliwack.

Family ALCEDINIDÆ. Kingfishers.

CERYLE Boie.

189. Belted Kingfisher.

Ceryle alcyon (LINN.).

An abundant resident throughout the Province, breeds throughout its range.

Order PICI. Woodpeckers, Wrynecks, etc.

Family PICID³. Woodpeckers.

DRYOBATES Boie.

190. Northern Hairy Woodpecker.

Dryobates villosus leucomelas (Bodd.).

Common resident on the Mainland east of Cascade Mountains. I found it quite common at Sicamous, May, 1895. Mr. Brooks reports having taken it several times at Chilliwack.

191. Harris's Woodpecker.

Dryobates villosus harrisi (Aud.).

A common resident west of Coast Range, including Vancouver Island.

192. Cabanis's Woodpecker.

Dryobates villosus hyloscopus (Cab.).

Rocky Mountain district. Taken at Okanagan by A. C. Brooks.

193. Queen Charlotte Woodpecker.

Dryobates villosus picoideus (Osgood).

Queen Charlotte Islands.

194. Gairdner's Woodpecker.

Dryobates pubescens gairdneri (Aud.).

A very common resident on Vancouver Island, Coast of Mainland and Lower Fraser Valley.

195. Batchelder's Woodpecker.

Dryobates pubescens homorus (Cab.).

Common throughout the interior of the Province, along the C. P. R., at Ducks, and at Vernon. Mr. Brooks has taken it at Chilliwack and Okanagan.

XENOPICUS Baird.

196. White-headed Woodpecker.

Xenopicus albolarvatus (Cass.).

A rare bird in this Province, found east of the Coast Range. Museum specimen from Similkameen Valley, collected by R. V. Griffin.

PICOIDES LacØpde.

197. Black-backed Three-toed Woodpecker.

Picoides arcticus (Swains.).

Found only east of Coast Range, where in some localities it is quite common. Mr. Brooks reports it from Okanagan.

198. Alaskan Three-toed Woodpecker.

Picoides americanus fasciatus (Bird).

West of Cascade Mountains common. Rare on Vancouver Island. Brooks says common resident in the spruce zone on the Coast Range.

199. Alpine Three-toed Woodpecker.

Picoides americanus dorsalis (Baird).

Mountains east of Cascade Mountains, north to Cassiar.
(*Fannin*.)

SPHYRAPICUS Baird.

200. Red-naped Sapsucker.

Sphyrapicus varius nuchalis (Baird).

Generally distributed east of Cascade Mountains throughout the Province. It was quite common at Duck's, May, 1895.

201. Red-breasted Sapsucker.

Sphyrapicus ruber notkensis (Suckow.).

Generally distributed along the Coast. Not uncommon on Vancouver Island. Mr. Brooks has taken it at Chilliwack.

202. Williamson's Sapsucker.

Sphyrapicus thyroideus (Cass.).

Taken at Similkameen, B. C., by R. V. Griffin, June, 1882, (Check List of B. C. Birds, 1891--*Fannin*.)

CEOPHLOEUS Cabanis.

203. Northern Pileated Woodpecker.

Ceophloeus pileatus abieticola (Bangs.).

Common resident throughout the Province, on Vancouver Island and Mainland through the interior to Okanagan. Mr. Brooks found it scarce in the Cariboo District.

ASYNDESMUS (Wils.) Coues.

204. Lewis's Woodpecker.

Asyndesmus torquatus (Wils.).

Abundant through the interior of the Province, at Vernon and Grand Prairie. I found it quite common at Chilliwack this year. A summer resident on Vancouver Island.

COLAPTES Swainson.

205. Northern Flicker.

Colaptes auratus luteus (Bangs.).

A rare bird of this Province, but is found on Vancouver Island and east to the Rocky Mountains.

206. Red-shafted Flicker.

Colaptes cafer collaris (Vigors).

Common east of Cascade Mountains through the interior, at Duck's, Sicamous and Okanagan.

207. North-western Flicker.

Colaptes cafer saturator (Ridgew.).

Abundant resident west of Cascade Mountains; very common on Vancouver Island.

Order MACROCHIRES. Goatsuckers, Swifts, etc.

Family CAPRIMULGID[~]. Goatsuckers.

PHAL[~]NOPTILUS Ridgway.

208. Poor-will.

Phalaenoptilus nuttallii (Aud.).

Southern interior portions of Province from Kamloops through the Okanagan. Summer resident.

CHORDEILES Swainson.

209. Nighthawk.

Chordeiles virginianus (Gmel.).

An abundant summer resident east of Cascade Mountains. Mr. Brooks has taken it at Chilliwack.

210. Western Nighthawk.

Chordeiles virginianus henryi (Cass.).

A summer resident west of Cascade Mountains. Abundant on Vancouver Island.

Family MICROPODIDÆ. Swifts.

CYPSELOIDES Streubel.

211. Black Swift.

Cypseloides niger borealis (Ridgw.).

Common near Victoria during migration. Rev. J. H. Keen says only pass over at Metlakatla. Said to breed in mountains back of Chilliwack and in the neighbourhood of Comox. (_Fannin_) Taken at Chilliwack and Okanagan. (_Brooks_)

CHTURA Stephens.

212. Vaux's Swift.

Chatura vauxii (Towns.).

A summer resident on Vancouver Island and Mainland. I found it very common near Sicamous, May 28th, 1895.

Family TROCHILIDÆ. Hummingbirds.

TROCHILUS Linnæus.

213. Black-chinned Hummingbird.

Trochilus alexandri (Bourc. & Muls.).

Confined to the Mainland. I have never seen it on Vancouver Island.
Mr. Brooks has taken it at Chilliwack and Okanagan.

SELASPHORUS Swainson.

214. Red-backed Rufous Hummingbird.

Selasphorus rufus (Gmel.).

An abundant summer resident west of Cascade Mountains, including Vancouver Island. Mr. Brooks has taken it at Okanagan. Common at Metlakatla (*_Rev. J. H. Keen_*)

215. Green-backed Rufous Hummingbird. Allen's Hummingbird.

Selasphorus alleni (Hensh.).

Eastern Cascade and Rocky Mountain districts. (*_Fannin_*)

STELLULA Gould.

216. Calliope Hummingbird.

Stellula calliope (Gould).

East and west of Cascade Mountains. (*_Fannin_*)

Order PASSERES. Perching Birds.

Family TYRANNID^æ. Tyrant Flycatchers.

TYRANNUS Cuvier.

217. Kingbird.

Tyrannus tyrannus (Linn.).

A common summer resident on the Mainland at Chilliwack, Sardis, Ducks and Vernon, and has been taken as far north as Port Simpson. Rare on Vancouver Island.

218. Gray Kingbird.

Tyrannus dominicensis (Gmel.).

Accidentally in B. C. One specimen taken at Cape Beale, October 9, 1889, by Miss Cox, and presented to the Museum.

219. Arkansas Kingbird.

Tyrannus verticalis (Say).

A common summer resident on the Mainland. I have found it quite common at Chilliwack, Ducks and Okanagan, rarely west to Vancouver Island.

SAYORNIS Bonaparte.

220. Say's Phoebe.

Sayornis saya (Bonap.).

A summer resident. Not common on Vancouver Island, chiefly on Mainland in the interior. Mr. Brooks has taken it at Chilliwack and Okanagan.

CONTOPUS Cabanis.

221. Olive-sided Flycatcher.

Contopus borealis (Swains.).

A summer resident on Vancouver Island and Mainland. Mr. Brooks has taken it at Chilliwack and Okanagan.

222. Western Wood Pewee.

Contopus richardsonii (Swains.).

A common summer resident on Vancouver Island and Mainland. Very common at Sicamous, May, 1895.

EMPIDONAX Cabanis.

223. Western Flycatcher.

Empidonax difficilis (Baird).

A common summer resident west of Cascade Mountains on Mainland and Vancouver Island. I also found it quite common at Skidegate, Queen Charlotte Islands, July, 1895.

224. Traill's Flycatcher.

Empidonax trailli (Aud.).

A summer resident. I have found it quite common on Vancouver Island and the Mainland at Sicamous and Vernon. Mr. Brooks has taken it at Chilliwack and Okanagan.

225. Hammond's Flycatcher.

Empidonax hammondi (Xantus.).

Summer resident. Chiefly on the Mainland, east and west of Cascade Mountains. A few have been taken on Vancouver Island.

226. Wright's Flycatcher.

Empidonax wrightii (Baird).

Summer resident. Taken at Chilliwack and Okanagan. (*_Brooks_*)

Family ALAUDID[~]. Larks.

OTOCORIS Bonaparte.

227. Pallid Horned Lark.

Otocoris alpestris leucoloema (Coues.).

Common in spring and autumn on Vancouver Island. Have taken it at Clover Point near Victoria. Mr. Brooks has taken it at Chilliwack and Okanagan.

228. Streaked Horned Lark.

Otocoris alpestris strigata (Hensh.).

Spring and autumn migrant on Vancouver Island. Have taken it near Victoria in September. Mr. Brooks has taken it at Chilliwack. West of Cascades; taken at Burrard Inlet and Vancouver Island (*_Fannin_*). Fort Simpson by W. B. Anderson.

229. Dusky Horned Lark.

Otocoris alpestris merrilli (Dwight).

Chiefly east of Cascades. I have never known it to be taken on Vancouver Island. Mr. Brooks has taken it at Chilliwack and Okanagan. Chas. de B. Green has taken it at Osoyoos.

Family CORVID[~]. Crows, Jays, Magpies.

PICA Brisson.

230. American Magpie.

Pica pica hudsonica (Sab.).

A common resident on the Mainland, rarely west to Vancouver Island. Breeds in the interior of the Mainland, east of Cascade Mountains.

CYANOCITTA Strickland.

231. Steller's Jay.

Cyanocitta stelleri (Gmel.).

An abundant resident west of Coast Range on Mainland and Vancouver Island throughout the year.

232. Black-headed Jay.

Cyanocitta stelleri annectens (Baird).

This form is quite common in the interior from the Cascades east down through the Okanagan. Mr. Brooks has taken it at Chilliwack.

233. Queen Charlotte Jay.

Cyanocitta stelleri carlottæ (Osgood).

Queen Charlotte Islands; not uncommon at Skidegate, August, 1895.

PERISOREUS Bonaparte.

234. Rocky Mountain Jay.

Perisoreus canadensis capitalis (Ridgw.).

East of Cascade Mountains. Taken at Okanagan and in the Caribou District by A. C. Brooks.

235. Oregon Jay.

Perisoreus obscurus (Ridgw.).

An abundant resident west of Cascades, on the Mainland, but not so numerous on Vancouver Island.

236. Gray Jay.

Perisoreus obscurus griseus (Ridgw.).

California to British Columbia, east of the Coast and Cascade Ranges. (Ridgway.)

CORVUS Linnæus.

237. Northern Raven.

Corvus corax principalis (Ridgw.).

A resident throughout the Province; more common on the Coast. I have seen it quite common at Clayoquot, V. I., and in August, 1895, it was very common at Skidegate, Queen Charlotte Islands. Mr. Brooks has taken it at Chilliwack and Okanagan. Common at Metlakatla.

(_Rev. J. H. Keen_)

238. American Crow.

Corvus brachyrhynchos (Brehm.)

Common east of Coast Range; common at Sicamous, May, 1895. Mr. Brooks has taken it at Chilliwack and Okanagan.

239. Northwest Crow.

Corvus caurinus (Baird).

An abundant resident west of Cascade Mountains, on Mainland and Vancouver Island, and fairly common at Skidegate, Queen Charlotte Islands, July, 1895.

NUCIFRAGA Brisson.

240. Clarke's Nutcracker.

Nucifraga columbiana (Wils.).

A common resident on the Mainland, chiefly east of the Coast Range. Rare on Vancouver Island.

CYANOCEPHALUS Bonaparte.

241. Blue Crow. Piæon Jay.

Cyanocephalus cyanocephalus (Wied.).

Rocky Mountain region to the Pacific Coast Ranges, but rather more southerly; north to British Columbia; south to Lower California.--"Key to N. A. Birds (Coues), Fifth Edition."

Family ICTERID[~]. Blackbirds, Orioles, Etc.

DOLICHONYX Swainson.

242. Bobolink.

Dolichonyx oryzivorus (Linn.)

East and west of Cascade Mountains. Taken at Chilliwack by A. C. Brooks.

MOLOTHRUS Swainson.

243. Cowbird.

Molothrus ater (Bodd.).

A summer resident. I have found it fairly common in the neighbourhood of Ducks, on C. P. R., and Okanagan. It is a rare straggler on Vancouver Island; it has been taken near Victoria. Mr. Brooks has taken it at Chilliwack. Rev. J. H. Keen reports it rare at Metlakatla.

XANTHOCEPHALUS Bonaparte.

244. Yellow-headed Blackbird.

Xanthocephalus xanthocephalus (Bonap.).

A rare summer resident on the Mainland. I have heard of it at Vernon. Fannin has found it above Clinton, on the Cariboo Road. Brooks has taken it at Chilliwack.

AGELAIUS Vieillot.

245. San Diego Redwing.

Agelaius phoeniceus neutralis (Ridgw.).

Breeding range north, to eastern British Columbia. (*Ridgway*.) East of Cascades I found this form quite common near Vernon, June, 1895.

246. Northwestern Red-wing.

Agelaius phoeniceus caurinus (Ridgw.).

Common west of Cascades, on Mainland and Vancouver Island; it is found throughout the year near Victoria.

STURNELLA Vieillot.

247. Western Meadowlark.

Sturnella magna neglecta (Aud.).

Abundant resident on Mainland and Vancouver Island, east and west of Cascades.

ICTERUS Brisson.

248. Bullock's Oriole.

Icterus bullocki (Swains.).

A fairly common summer resident, chiefly east of Cascades. I found it breeding along the valley of the Thompson and in the Okanagan, near Vernon, May and June, 1895. Mr. Brooks has found it breeding at Chilliwack.

EUPHAGUS Cassin.

249. Rusty Blackbird.

Euphagus carolinus (Muller).

Rare. One specimen shot at Metlakatla by Rev. J. H. Keen, November, 26th, 1901, and presented by him to the Museum.

250. Brewer's Blackbird.

Euphagus cyanocephalus (Wagler.).

Common, and generally distributed on the Mainland; quite common in the Lower Fraser Valley, Grand Prairie, south side of Thompson River, down into the Okanagan country. Breeding in suitable localities. Not common on Vancouver Island; a few have been taken near Victoria.

Family FRINGILLID^y. Finches, Sparrows, Etc.

HESPERIPHONA Bonaparte.

251. Western Evening Grosbeak.

Hesperiphona vespertina montana (Ridgw.).

Chiefly on the Mainland. West in winter to Vancouver Island and Lower Fraser Valley. Taken at Chilliwack and Okaiagan by A. C. B.

PINICOLA Vieillot.

252. Alaskan Pine Grosbeak.

Pinicola enucleator alascensis (Ridgw.).

Mainland east and west of Cascade Mountains. Common in winter in the neighbourhood of Clinton. Mr. Brooks reports it from Chilliwack and Okanagan. Rare at Metlakatla. (Rev. J. H. Keen.)

CARPODACUS Kaup.

253. California Purple Finch.

Carpodacus purpureus californicus (Baird).

An abundant summer resident west of Cascades. Quite a number winter on Vancouver Island.

254. Cassin's Purple Finch.

Carpodacus cassinii (Baird).

East of Cascades to Rocky Mountains. Tolerably common.

LOXIA Linnæus.

255. American Crossbill.

Loxia curvirostra minor (Brehm.).

An abundant resident throughout the Province, Island and Mainland.

256. White-winged Crossbill.

Loxia leucoptera (Gmel.).

An abundant resident chiefly on the Mainland, occasionally west to Vancouver Island.

LEUCOSTICTE Swainson.

257. Gray-crowned Leucosticte.

Leucosticte tephrocotis (Swains.).

Rocky Mountain district. In winter, occasionally west to Cascades. Mr. Brooks has taken it as far west as Chilliwack.

258. Hepburn's Leucosticte.

Leucosticte tephrocotis littoralis (Baird).

Common on the Mainland from the Coast to Rocky Mountains. Breeds above timber line in the interior.

ACANTHIS Bechstein.

259. Hoary Redpoll.

Acanthis hornemannii exilipes (Coues.).

Mouth of Quesnelle, S. Williams. Chilliwack, A. C. Brooks.

260. Redpoll.

Acanthis linaria (Linn.).

The Province at large, but more abundant in the Rocky Mountain district. West in winter to Vancouver Island.

ASTRAGALINUS Cabanis.

261. American Goldfinch.

Astragalinus tristis (Linn.).

Both slopes of Cascades to Rocky Mountains on the Mainland. Taken at Okanagan by A. C. Brooks.

262. Willow Goldfinch.

Astragalinus tristis salicamans (Grinnell).

Taken at Okanagan by A. C. Brooks.

SPINUS Koch.

263. Pine Siskin.

Spinus pinus (Wils.).

An abundant resident throughout the Province. Breeds throughout its range.

PASSER Brisson.

264. House Sparrow.

Passer domesticus (Linn.).

This bird has now become quite common in the cities along the Coast.

PASSERINA (Vieill).

265. Snowflake.

Passerina nivalis (Linn.).

Not common on Vancouver Island. More abundant east of Cascades on the Mainland.

CALCARIUS Bechstein.

266. Lapland Longspur.

Calcarius lapponicus (Linn.).

The Province at large, but nowhere common. It has been taken at Victoria, Chilliwack, Burrard Inlet, Okanagan, Fort Simpson and Metlakatla.

RHYNCHOPHANES Baird.

267. McCown's Longspur.

Rhynchophanes mccownii (Lawr.).

Taken at Chilliwack by A. C. Brooks.

POOECETES Baird.

268. Western Vesper Sparrow.

Poecetes gramineus confinis (Baird).

Interior portions of the Mainland east of Cascades, and in the Okanagan.

269. Oregon Vesper Sparrow.

Poecetes gramineus affinis (Miller).

West of Cascades, including Vancouver Island.

PASSERCULUS Bonaparte.

270. Sandwich Sparrow.

Passerculus sandwichensis (Gmel.).

An abundant summer resident west of Cascades on the Mainland, including Vancouver Island. Mr. Brooks has taken it at Okanagan.

271. Western Savanna Sparrow.

Passerculus sandwichensis alaudinus (Bonaparte).

A common summer resident on the Coast, including Vancouver Island.

COTURNICULUS Bonaparte.

272. Western Grasshopper Sparrow.

Coturniculus savannarum bimaculatus (Swainson).

A summer resident in the Okanagan, near Vernon. (_Brooks_.)

CHONDESTES Swainson.

273. Western Lark Sparrow.

Chondestes grammacus strigatus (Swains.).

Interior southern portions of the Mainland, from Chilliwack east through the Okanagan.

ZONOTRICHIA Swainson.

274. Harris's Sparrow.

Zonotrichia querula (Nutt.).

Cadbora Bay, near Victoria, October, 1894, A. H. Maynard; Comox, November, 1894, W. B. Anderson; Sumas (Lower Fraser), 10th January, 1895, A. C. Brooks.

275. Gambel's Sparrow.

Zonotrichia leucophrys gambelii (Nutt.).

Mainland, east of Coast Range, east to Okanagan. Common.

276. Nuttall's Sparrow.

Zonotrichia leucophrys nuttalli (Ridgw.).

An abundant summer resident on Vancouver Island and Mainland, west of Cascades.

277. Golden-crowned Sparrow.

Zonotrichia coronata (Pallas.).

Abundant during migrations on the Coast; have also taken it at Chilliwack and Okanagan.

SPIZELLA Bonaparte.

278. Western Tree Sparrow.

Spizella monticola ochracea (Brewst.).

Chilliwack and Okanagan, A. C. Brooks; Victoria, A. H. Maynard.

279. Western Chipping Sparrow.

Spizella socialis arizonæ (Coues.).

An abundant summer resident east and west of Cascades. Breeds in the neighbourhood of this City. Also a number remain throughout the winter.

280. Clay-coloured Sparrow.

Spizella pallida (Swains.).

Carpenter's Mountain, 150-Mile House, Cariboo, July 3rd, 1901. (Brooks.)

281. Brewer's Sparrow.

Spizella breweri (Cass.).

Eastern Cascades and Rocky Mountains districts. Similkameen, R. V. Griffin; Okanagan, A. C. Brooks.

JUNCO Wagler.

282. Slate-coloured Junco.

Junco hyemalis (Linn.).

Taken at Chilliwack by A. C. Brooks.

283. Oregon Junco.

Junco hyemalis oreganus (Townsend).

Abundant resident west of Cascades, including Vancouver Island.

284. Shufeldt's Junco.

Junco hyemalis shufeldti (Coale).

Breeding from interior British Columbia (Stuarts Lake) east to Rocky Mountains, south to Vancouver Island.

MELOSIPZA Baird.

285. Rusty Song Sparrow.

Melospiza cinerea morphna (Oberh.).

An abundant resident throughout the Province. Breeds on Vancouver Island and Mainland.

286. Sooty Song Sparrow.

Melospiza cinerea rufina (Bonap.).

An abundant resident, chiefly along the coast of Mainland and Vancouver Island. I found it quite common at Skidegate, Queen Charlotte Islands, August, 1895.

287. Lincoln's Sparrow.

Melospiza lincolni (Aud.).

Not common. East and west of Cascades; a few have been taken near Victoria. Mr. Brooks has taken it at Okanagan.

288. Forbush's Sparrow.

Melospiza lincolni striata (Brewst.).

Collected at Comox, September, 1888, by E. H. Forbush. Taken at

Chilliwack by A. C. Brooks.

PASSERELLA Swainson.

289. Townsend's Sparrow.

Passerella iliaca unalaschcensis (Gmel.).

A common summer resident west of Cascades. A few remain throughout the winter on Vancouver Island; I have taken it in November and January.

290. Slate-coloured Sparrow.

Passerella iliaca schistacea (Baird).

Southern portions of Mainland, east of Cascades. Sicamous, J. Fannin, Okanagan, A. C. Brooks.

PIPILO Vieillot.

291. Spurred Towhee.

Pipilo maculatus megalonyx (Baird).

East of Cascades, south through the Okanagan.

292. Oregon Towhee.

Pipilo maculatus oregonus (Bell.).

An abundant resident west of Cascades. Breeds on Vancouver Island and Mainland.

ZAMELODIA Coues.

293. Black-headed Grosbeak.

Zamelodia melanocephala (Swains).

A summer resident on Vancouver Island. Taken at Chilliwack.

(*Brooks*.) A summer resident east and west of Cascades.

(*Fannin*.)

CYANOSPIZA Baird.

294. Lazuli Bunting.

Cyanospiza amoena (Say.).

A summer resident chiefly east of Cascades. I have seen it at Chilliwack and near Vernon. Rare on Vancouver Island.

Family TANAGRID^Y. Tanagers.

PIRANGA Vieillot.

295. Louisiana Tanager.

Piranga ludoviciana (Wils.).

An abundant summer resident throughout the Province. Vancouver Island and Mainland.

Family HIRUNDINID^Y. Swallows.

PROGNE Boie.

296. Purple Martin.

Progne subis (Linn.).

A common summer resident chiefly in the cities along the Coast. West of Cascades.

PETROCHELIDON Cabanis.

297. Cliff Swallow.

Petrochelidon lunifrons (Say.).

Common summer resident on the Mainland east and west of Cascades, Chilliwack, Okanagan and Cariboo Road.

HIRUNDO Linn.

298. Barn Swallow.

Hirundo erythrogastra (Bodd).

An abundant summer resident throughout the Province, including Vancouver Island and Queen Charlotte Islands.

TACHYCINETA Cabanis.

299. White-bellied Swallow.

Tachycineta bicolor (Vieill.).

An abundant summer resident east and west of Cascades.

300. Northern Violet-green Swallow.

Tachycineta thalassina lepida (Mearns).

An abundant summer resident throughout the Province, east and west of Cascades.

RIPARIA Forster.

301. Bank Swallow.

Riparia riparia (Linn.).

An abundant summer resident, chiefly east of Cascades, north to Cariboo District. Very common from Sicamous down through the Okanagan. Taken at Chilliwack by A. C. Brooks.

STELGIDOPTERYX Baird.

302. Rough-winged Swallow.

Stelgidopteryx serripennis (Aud.).

A common summer resident throughout the Province. Vancouver Island and Mainland.

Family AMPELID^Y. Waxwings.

AMPELIS Linnæus.

303. Bohemian Waxwing.

Ampelis garrulus (Linn.).

An abundant resident chiefly east of Cascades. A winter visitant to the Coast and Vancouver Island.

304. Cedar Bird.

Ampelis cedrorum (Vieill.).

A common summer resident throughout the Province. Vancouver Island and Mainland.

Family LANIID^Y. Shrikes.

LANIUS Linnæus.

305. Northern Shrike. Butcher-bird.

Lanius borealis (Vieill.).

Not common, but found distributed throughout the Province. Found throughout the winter on the Coast.

306. White-rumped Shrike.

Lanis ludovicianus excubitorides (Swains.).

Chilliwhack, A. C. Brooks. Victoria, A. H. Maynard.

Family VIREONID³. Vireos.

VIREO Vieillot.

307. Red-eyed Vireo.

Vireo olivaceus (Linn.).

Distributed over the southern portions of the Province, including Vancouver Island. A summer resident. Chilliwhack and Okanagan, A. C. Brooks.

308. Western Warbling Vireo.

Vireo gilvus swainsonii (Baird).

Common summer resident, west of Rocky Mountains to Pacific. Mainland and Vancouver Island.

309. Cassin's Vireo.

Vireo solitarius cassinii (Xantus.).

A summer resident east and west of Cascades, including Vancouver Island.

310. Anthony's Vireo.

Vireo huttoni obscurus (Anthony).

A summer resident on Vancouver Island.

Family MNIOTILTID³. Wood Warblers.

HELMINTHOPHILA Ridgway.

311. Calaveras Warbler.

Helminthophila ruficapilla gutturalis (Ridgw.).

Rocky Mountains to Pacific. A summer resident. Common in the Okanagan. (Brooks.)

312. Orange-crowned Warbler.

Helminthophila celata (Say.).

A common summer resident east and west of Cascades.

313. Lutescent Warbler.

Helminthophila celata lutescens (Ridgw.).

An abundant summer resident, chiefly west of Cascades, along the coast of Mainland and Vancouver Island.

314. Tennessee Warbler.

Helminthophila peregrina (Wils.).

Taken at 150-Mile House, Cariboo, by A. C. Brooks.

DENDROICA Gray.

315. Alaskan Yellow Warbler.

Dendroica aestiva rubiginosa (Pallas).

An abundant summer resident throughout the Province, from Rocky Mountains to the Pacific.

316. Myrtle Warbler.

Dendroica coronata (Linn.).

An abundant summer resident on Vancouver Island and Mainland, chiefly west of Cascades. Rare at Metlakatla. (_Rev. J. H. Keen_) Okanagan. (_Brooks_).

317. Audubon's Warbler.

Dendroica auduboni (Townsend.).

An abundant summer resident throughout the Province, Vancouver Island and Mainland east to Rocky Mountains.

318. Magnolia Warbler.

Dendroica maculosa (Gmel.).

Okanagan, 1898 (_Rhoads_).

319. Black-throated Gray Warbler.

Dendroica nigrescens (Townsend.).

Not common. A summer resident west of Cascades, but chiefly along the Coast. Taken at Chilliwack (_Brooks_).

320. Townsend's Warbler.

Dendroica townsendi (Townsend).

Not common, but found distributed throughout the Province, chiefly west of Cascades, including Vancouver Island and Queen Charlotte Islands.

321. Hermit Warbler. Western Warbler.

Dendroica occidentalis (Townsend).

A summer resident, chiefly west of Cascade Range.

SEIURUS Swainson.

322. Grinnell's Water-thrush.

Seiurus noveboracensis notabilis (Ridgw.).

Taken at Ducks, C. P. R., by Clark P. Streater, August 7th, 1889.

Taken at Quesnel, August 30th, 1900, by A. C. Brooks.

GEOTHYLPIS Cabanis.

323. Macgillivray's Warbler.

Geothlypis tolmiei (Townsend).

A common summer resident throughout the Province, Vancouver Island and Mainland.

324. Western Yellow-throat.

Geothlypis trichas occidentalis (Brewst.).

A common summer resident throughout the Province.

325. Pacific Yellow-throat.

Geothlypis trichas arizela (Oberh.)

Summer resident in the southern portion of Mainland and Vancouver Island.

ICTERIA Vieillot.

326. Long-tailed Chat.

Icteria virens longicauda (Lawr.).

Summer resident in the southern portions of the Province, from Sumas

east to Okanagan, south of Ashcroft.

WILSONIA Bonaparte.

327. Wilson's Warbler.

Wilsonia pusilla (Wils.).

Vancouver Island and Mainland, east and west of Cascades. S. N. Rhoads, 1892 (*Fannin*.)

328. Pileolated Warbler.

Wilsonia pusilla pileolata (Pall.).

A common summer resident on Vancouver Island and Mainland.

329. Golden Pileolated Warbler.

Wilsonia pusilla chryseola (Ridgw.).

A summer resident, New Westminster and Mount Lehman.

SETOPHAGA Swainson.

330. American Redstart.

Setophaga ruticilla (Linn.).

Found through the interior of the Province, from Barkerville south to Okanagan, chiefly east of, and accidentally west of, Cascades. Taken at Chilliwack by A. C. Brooks.

Family MOTACILLID[~]. Wagtails and Pipits.

ANTHUS Bechstein.

331. American Pipit.

Anthus pensilvanicus (Lath.).

Very abundant during migration, east and west of Cascades. Found throughout some winters on Vancouver Island.

Family CINCLID[~]. Dippers.

CINCLUS Bechstein.

332. American Dipper.

Cinclus mexicanus (Swains.).

Common throughout the Province in suitable localities.

Family TROGLODYTID^e. Wrens.

GALEOSCOPTES Cabanis.

333. Catbird.

Galeoscoptes carolinensis (Linn.).

A common summer resident east and west of Cascades. Rare on Vancouver Island.

SALPINCTES Cabanis.

334. Rock Wren.

Salpinctes obsoletus (Say.).

Common east of Cascades, rarely west to the Coast.
Chilliwhack. (_Brooks_) Burrard Inlet. (_Fannin_)

THRYOMANES Sclater.

335. Vigor's Wren.

Thryomanes bewickii spilurus (Vig.).

A common summer resident west of Cascades. Found throughout the winter on Vancouver Island.

TROGLODYTES Vieillot.

336. Parkman's Wren.

Troglodytes a^odon parkmanii (Aud.).

A common summer resident east and west of Cascades, including Vancouver Island.

OLBIORCHILUS Oberholser.

337. Western Winter Wren.

Olbiorchilus hiemalis pacificus (Baird).

An abundant resident east and west of Cascades, including Vancouver Island.

TELMATODYTES Cabanis.

338. Tule Wren.

Telmatodytes palustris paludicola (Baird).

Abundant east of Cascades, from the lakes along the Cariboo Road, south through the Okanagan. Taken at Chilliwack by A. C. Brooks.

Family CERTHIID[~]. Creepers.

CERTHIA Linnæus.

339. Rocky Mountain Creeper.

Certhia familiaris montana (Ridgw.).

Southern portion of east of Cascades. Okanagan.

340. California Creeper.

Certhia familiaris occidentalis (Ridgw.).

Common on Vancouver Island. East and west of Cascades on the Mainland.

Family SITTID[~]. Nuthatches.

SITTA Linnæus.

341. Slender-billed Nuthatch.

Sitta carolinensis aculeata (Cass.).

Common east of Cascades, from Ashcroft south through the Okanagan. I found it quite common near Shuswap, May, 1895.

342. Red-breasted Nuthatch.

Sitta canadensis (Linn.).

Common east and west of Cascades. Found throughout the winter on Vancouver Island.

343. Pygmy Nuthatch.

Sitta pygmaea (Vig.).

East of Cascades, in the south-eastern portions of the Province. I found it fairly common at Grand Prairie, May, 1895.

Family PARID[~]. Titmice or Chickadees.

PARUS Linnæus.

344. Long-tailed Chickadee.

Parus atricapillus septentrionalis (Harris.).

Common east of Cascades, from Cornwall's south to Okanagan.

345. Oregon Chickadee.

Parus atricapillus occidentalis (Baird.).

A common resident west of Cascades.

346. Mountain Chickadee.

Parus gambeli (Ridgw.).

East of Cascades to Rocky Mountains, and south through Okanagan.

347. Columbia Chickadee.

Parus hudsonicus columbianus (Rhoads).

East of Cascades to Rocky Mountains, from Cassiar District south to Okanagan.

348. Chestnut-backed Chickadee.

Parus rufescens (Townsend.).

An abundant resident chiefly west of Cascades. Vancouver Island and Queen Charlotte Islands. Taken at Arrow Lake by A. C. Brooks.

Family CHAMÆIDÆ. Wren, Tits and Bush-Tits.

PSALTRIPARUS Bonaparte.

349. Least Bush-tit.

Psaltriparus minimus (Townsend.).

Rare. Taken at Sumas, November 25, 1899, by A. C. Brooks.

Family SYLVIIDÆ. Warblers. Kinglets.

REGULUS Cuvier.

350. Western Golden-crowned Kinglet.

Regulus satrapa olivaceus (Baird).

Abundant throughout the Province.

351. Ruby-crowned Kinglet.

Regulus calendula (Linn.).

Abundant throughout the Province.

Family TURDID^s. Thrushes, Solitaires and Bluebirds.

MYADESTES Swainson.

352. Townsend's Solitaire.

Myadestes townsendii (Aud.).

Not common. Found east and west of Cascades, including Vancouver Island.

HYLOCICHLA Baird.

353. Willow Thrush.

Hylocichla fuscescens salicicola (Ridgw.).

A common summer resident east of Cascades.

354. Russet-backed Thrush.

Hylocichla ustulata (Nutt.).

A common summer resident west of Cascades. Very common on Queen Charlotte Islands, July, 1895.

355. Olive-backed Thrush.

Hylocichla ustulata swainsoni (Cab.).

Southern portion of Mainland east of Cascades.

356. Alaska Hermit Thrush.

Hylocichla guttata (Pallas).

West of Cascades, chiefly coastwise. Common at Skidegate, Queen Charlotte Islands, August, 1895.

357. Audubon's Hermit Thrush.

Hylocichla guttata auduboni (Baird).

Southern portions of the Province, east of Cascades to Rocky

Mountains.

MERULA Leach.

358. American Robin.

Merula migratoria (Linn.).

Both forms are to be found on Vancouver Island. Taken at Chilliwack by A. C. Brooks.

359. Western Robin.

Merula migratoria propinqua (Ridgw.).

An abundant resident throughout the Province.

IXOREUS Bonaparte.

360. Varied Thrush.

Ixoreus naevius (Gmel.).

Common throughout the Province, east and west of Cascades.

SIALIA Swainson.

361. Western Bluebird.

Sialia mexicana occidentalis (Towns.).

A common summer resident east and west of Cascades. A few winter on Vancouver Island.

362. Mountain Bluebird.

Sialia arctica (Swains.).

A summer resident east and west of Cascades, including Vancouver Island.

INDEX.

A.

	No.
Albatross, Black-footed	35
Albatross, Short-tailed	36
Auklet, Rhinoceros	12
Auklet, Cassin's	13

B.

Bittern, American	88
Blackbird, Yellow-headed	244
Blackbird, San Diego Redwing	245
Blackbird, North-western	246
Blackbird, Rusty	249
Blackbird, Brewer's	250
Bluebird, Western	361
Bluebird, Mountain	362
Bobolink	242
Brant	82
Brant, Black	83
Bunting, Lazuli	294
Bush-tit, Least	349

C.

Catbird	333
Chat, Long-tailed	326
Chickadee, Long-tailed	344
Chickadee, Oregon	345
Chickadee, Mountain	346
Chickadee, Columbia	347
Chickadee, Chestnut-backed	348
Cormorant, White-crested	43
Cormorant, Brandt's	44
Cormorant, Violet-green	45
Cowbird	243
Coot, American	96
Crane, Little Brown	92
Crane, Sandhill	93
Creeper, Rocky Mountain	339
Creeper, California	340
Crow, American	238
Crow, Northwest	239
Crossbill, American	255
Crossbill, White-winged	256
Cuckoo, Western Yellow-billed	188
Curlew, Long-billed	122
Curlew, Hudsonian	123

D.

Dipper, American	332
Dove, Mourning	148
Dowitcher, Long-billed	101
Duck, Mallard	51
Duck, Gadwall	52
Duck, European Widgeon	53
Duck, American Widgeon	54
Duck, Green-winged Teal	55

Duck, Blue-winged Teal	56
Duck, Cinnamon Teal	57
Duck, Shoveller	58
Duck, Pintail	59
Duck, Wood	60
Duck, Red-head	61
Duck, Canvas-back	62
Duck, American Scaup	63
Duck, Lesser Scaup	64
Duck, Ring-necked	65
Duck, American Golden-eye	66
Duck, Barrow's Golden-rye	67
Duck, Buffle-head	68
Duck, Long-tailed	69
Duck, Harlequin	70
Duck, American Black Scoter	71
Duck, White-winged Scoter	72
Duck, Surf Scoter	73
Duck, Ruddy	74

E.

Eagle, Golden	160
Eagle, Bald	161

F.

Falcon, Prairie	163
Falcon, Peale's	165
Finch, California Purple	253
Finch, Cassin's Purple	254
Flycatcher, Olive-sided	221
Flycatcher, Western	223
Flycatcher, Traill's	224
Flycatcher, Hammond's	225
Flycatcher, Wright's	226
Flicker, Northern	205
Flicker, Red-shafted	206
Flicker, North-western	207
Fulmar, Pacific	37

G.

Godwit, Marbled	112
Goose, Lesser Snow	75
Goose, Ross's Snow	76
Goose, American White-fronted	77
Goose, Canada	78
Goose, Hutchin's	79
Goose, White-cheeked	80
Goose, Cackling	81
Goose, Emperor	84
Goldfinch, American	261

Goldfinch, Willow	262
Grebe, Western	1
Grebe, American Red-necked	2
Grebe, Horned	3
Grebe, American Eared	4
Grebe, Pied-billed	5
Grouse, Sooty	134
Grouse, Richardson's	135
Grouse, Franklin's	136
Grouse, Canadian Ruffed	137
Grouse, Gray Ruffed	138
Grouse, Oregon Ruffed	139
Grouse, Columbian Sharp-tailed	143
Grouse, Sage	144
Grosbeak, Western Evening	251
Grosbeak, Alaskan Pine	252
Grosbeak, Black-headed	293
Guillemot, Pigeon	16
Gull, Ivory	21
Gull, Glaucous-winged	23
Gull, Western	24
Gull, American	25
Gull, California	26
Gull, Ring-billed	27
Gull, Short-billed	28
Gull, Heermann's	29
Gull, Bonaparte's	30
Gull, Sabine's	31
Gyrfalcon	162

H.

Hawk, Marsh	151
Hawk, Sharp-shinned	152
Hawk, Cooper's	153
Hawk, American Goshawk	154
Hawk, Western Goshawk	155
Hawk, Western Red-tailed	156
Hawk, Red-bellied	157
Hawk, Swainson's	158
Hawk, American Rough-legged	159
Hawk, Duck	164
Hawk, Pigeon	166
Hawk, Desert Sparrow	169
Heron, Great Blue	89
Heron, North-west Coast	90
Heron, Snowy	91
Hummingbird, Black-chinned	213
Hummingbird, Red-backed Rufous	214
Hummingbird, Green-backed Rufous	215
Hummingbird, Calliope	216

I.

Ibis, White-faced Glossy 87

J.

Jaeger, Parasitic 19
Jaeger, Pomarine 18
Jaeger, Long-tailed 20
Jay, Steller's 231
Jay, Black-headed 232
Jay, Queen Charlotte 233
Jay, Rocky Mountain 234
Jay, Oregon 235
Jay, Gray 236
Jay, Piæon 241
Junco, Slate-colored 282
Junco, Oregon 283
Junco, Shufeldt's 284

K.

Kittiwake, Pacific 22
Kingfisher, Belted 189
Kingbird 217
Kingbird, Gray 218
Kingbird, Arkansas 219
Kinglet, Western Golden-crowned 350
Kinglet, Ruby-crowned 351
Knot 103

L.

Lark, Pallid Horned 227
Lark, Streaked Horned 228
Lark, Dusky Horned 229
Lencosticte, Gray-crowned 257
Lencosticte, Hepburn's 258
Longspur, Lapland 266
Longspur, McCown's 267
Loon, Great Northern Diver 6
Loon, Black-throated 7
Loon, Pacific 8
Loon, Red-throated 9

M.

Martin, Purple 296
Magpie, American 230
Meadowlark, Western 247
Merlin, Black 167
Merlin, Richardson's 168
Merganser, American 48
Merganser, Red-breasted 49

Merganser, Hooded	50
Murrelet, Ancient	14
Murrelet, Marbled	15
Murre, California	17

N.

Nighthawk	207
Nighthawk, Western	208
Nutcracker, Clarke's	240
Nuthatch, Slender-billed	341
Nuthatch, Red-breasted	342
Nuthatch, Pygmy	343

O.

Oriole, Bullock's	248
Osprey, American	170
Owl, American Long-eared	171
Owl, Short-eared	172
Owl, Northern Spotted	173
Owl, Great Gray	174
Owl, Richardson's	175
Owl, Saw-whet	176
Owl, North-West Saw-whet	176A
Owl, Kennicott's Screech	177
Owl, Macfarlane's Screech	178
Owl, Great Horned	179
Owl, Western Horned	180
Owl, Arctic Horned	181
Owl, Dusky Horned	182
Owl, Snowy	183
Owl, American Hawk	184
Owl, Burrowing	185
Owl, Pygmy	186
Owl, California Pygmy	187
Oyster-catcher, Black	131

P.

Partridge, Mountain	132
Partridge, California	133
Pelican, American White	46
Pelican, California Brown	47
Petrel, Gray Fork-tailed	41
Petrel, Leach's	42
Pewee, Western Wood	222
Phalarope, Red	97
Phalarope, Northern	98
Phalarope, Wilson's	99
Pheasant, Ring-necked	145
Phoebe, Say's	220
Pigeon, Band-tailed	146

Pigeon, Passenger	147
Pipit, American	331
Plover, American Golden	125
Plover, Black-bellied	124
Plover, Killdeer	126
Plover, Semipalmated	127
Poor-Will	208
Ptarmigan, Willow	140
Ptarmigan, Rock	141
Ptarmigan, White-tailed	142
Puffin, Tufted	10
Puffin, Horned	11

R.

Rail, Virginia	94
Rail, Carolina	95
Raven, Northern	237
Redpoll, Hoary	259
Redpoll	260
Redstart, American	330
Robin, American	358
Robin, Western	359

S.

Sanderling	111
Sandpiper, Stilt	102
Sandpiper, Sharp-tailed	104
Sandpiper, Pectoral	105
Sandpiper, Baird's	106
Sandpiper, Least	107
Sandpiper, Red-backed	108
Sandpiper, Semipal mated	109
Sandpiper, Western Semipalmated	110
Sandpiper, Solitary	115
Sandpiper, Western Solitary	116
Sandpiper, Bartramian	119
Sandpiper, Buff-breasted	120
Sandpiper, Spotted	121
Sapsucker, Red-naped	200
Sapsucker, Red-breasted	201
Sapsucker, Williamson's	202
Shrike, Northern	305
Shrike, White-rumped	306
Shearwater, Black-vented	38
Shearwater, Dark-bodied	39
Shearwater, Slender-billed	40
Siskin, Pine	263
Snipe, Wilson's	100
Snowflake	265
Solitaire, Townsend's	352
Sparrow, House	264

Sparrow, Western Vesper	268
Sparrow, Oregon Vesper	269
Sparrow, Sandwich	270
Sparrow, Western Savanna	271
Sparrow, Western Grasshopper	272
Sparrow, Western Lark	273
Sparrow, Harris's	274
Sparrow, Gambel's	275
Sparrow, Nuttall's	276
Sparrow, Golden-crowned	277
Sparrow, Western Tree	278
Sparrow, Western Chipping	279
Sparrow, Clay-colored	280
Sparrow, Brewer's	281
Sparrow, Rusty Song	285
Sparrow, Sooty Song	286
Sparrow, Lincoln's	287
Sparrow, Forbush's	288
Sparrow, Townsend's	289
Sparrow, Slate-coloured	290
Surf-bird	128
Swan, Whistling	85
Swan, Trumpeter	86
Swallow, Cliff	297
Swallow, Barn	298
Swallow, White-bellied	299
Swallow, Northern violet-green	300
Swallow, Bank	301
Swallow, Rough-winged	302
Swift, Black	211
Swift, Vaux	212

T.

Tanager, Louisaria	295
Tattler, Wandering	118
Tern, Common	32
Tern, Arctic	33
Tern, Black	34
Thrush, Willow	353
Thrush, Russet-backed	354
Thrush, Olive-backed	355
Thrush, Alaska Hermit	356
Thrush, Audubon's	357
Thrush, Varied	360
Towhee, Spurred	291
Towhee, Oregon	292
Turnstone	129
Turnstone, Black	130

V.

Vireo, Red-eyed	307
-----------------	-----

Vireo, Western Warbling	308
Vireo, Cassin's	309
Vireo, Anthony's	310
Vulture, California	149
Vulture, Turkey	150

W.

Warbler, Calaver's	311
Warbler, Orange-crowned	312
Warbler, Lutescent	313
Warbler, Tennessee	314
Warbler, Alaskan Yellow	315
Warbler, Myrtle	316
Warbler, Audubon's	317
Warbler, Magnolia	318
Warbler, Black-throated Gray	319
Warbler, Townsend's	320
Warbler, Macgillivray's	323
Warbler, Hermit	321
Warbler, Western Yellow-throat	324
Warbler, Pacific Yellow-throat	325
Warbler, Wilson's	327
Warbler, Pileolated	328
Warbler, Golden Pileolated	329
Water-thrush, Grinnell's	322
Waxwing, Bohemian	303
Waxwing, Cedar	304
Willett, Western	117
Woodpecker, Northern Hairy	190
Woodpecker, Harris's	191
Woodpecker, Cabanis's	192
Woodpecker, Queen Charlotte	193
Woodpecker, Gairdner's	194
Woodpecker, Batchelder's	195
Woodpecker, White-headed	196
Woodpecker, Black-backed Three-toed	197
Woodpecker, Alaskan Three-toed	198
Woodpecker, Alpine Three-toed	199
Woodpecker, Northern Pileated	203
Woodpecker, Lewis's	204
Wren, Rock	334
Wren, Vigor's	335
Wren, Parkman's	336
Wren, Western Winter	337
Wren, Tule	338

Y.

Yellow-legs, Greater	113
Yellow-legs, Lesser	114

End of the Project Gutenberg EBook of Catalogue of British Columbia Birds
by Francis Kermode

*** END OF THE PROJECT GUTENBERG EBOOK BRITISH COLUMBIA BIRDS ***

This file should be named 8cbcb10.txt or 8cbcb10.zip
Corrected EDITIONS of our eBooks get a new NUMBER, 8cbcb11.txt
VERSIONS based on separate sources get new LETTER, 8cbcb10a.txt

Produced by Karen Fabrizio, David Starner
and the Online Distributed Proofreading Team

Project Gutenberg eBooks are often created from several printed editions, all of which are confirmed as Public Domain in the US unless a copyright notice is included. Thus, we usually do not keep eBooks in compliance with any particular paper edition.

We are now trying to release all our eBooks one year in advance of the official release dates, leaving time for better editing. Please be encouraged to tell us about any error or corrections, even years after the official publication date.

Please note neither this listing nor its contents are final til midnight of the last day of the month of any such announcement. The official release date of all Project Gutenberg eBooks is at Midnight, Central Time, of the last day of the stated month. A preliminary version may often be posted for suggestion, comment and editing by those who wish to do so.

Most people start at our Web sites at:
<http://gutenberg.net> or
<http://promo.net/pg>

These Web sites include award-winning information about Project Gutenberg, including how to donate, how to help produce our new eBooks, and how to subscribe to our email newsletter (free!).

Those of you who want to download any eBook before announcement can get to them as follows, and just download by date. This is also a good way to get them instantly upon announcement, as the indexes our cataloguers produce obviously take a while after an announcement goes out in the Project Gutenberg Newsletter.

<http://www.ibiblio.org/gutenberg/etext03> or
<ftp://ftp.ibiblio.org/pub/docs/books/gutenberg/etext03>

Or /etext02, 01, 00, 99, 98, 97, 96, 95, 94, 93, 92, 91 or 90

Just search by the first five letters of the filename you want,
as it appears in our Newsletters.

Information about Project Gutenberg (one page)

We produce about two million dollars for each hour we work. The time it takes us, a rather conservative estimate, is fifty hours to get any eBook selected, entered, proofread, edited, copyright searched and analyzed, the copyright letters written, etc. Our projected audience is one hundred million readers. If the value per text is nominally estimated at one dollar then we produce \$2 million dollars per hour in 2002 as we release over 100 new text files per month: 1240 more eBooks in 2001 for a total of 4000+ We are already on our way to trying for 2000 more eBooks in 2002 If they reach just 1-2% of the world's population then the total will reach over half a trillion eBooks given away by year's end.

The Goal of Project Gutenberg is to Give Away 1 Trillion eBooks!
This is ten thousand titles each to one hundred million readers,
which is only about 4% of the present number of computer users.

Here is the briefest record of our progress (* means estimated):

eBooks Year Month

1	1971	July
10	1991	January
100	1994	January
1000	1997	August
1500	1998	October
2000	1999	December
2500	2000	December
3000	2001	November
4000	2001	October/November
6000	2002	December*
9000	2003	November*
10000	2004	January*

The Project Gutenberg Literary Archive Foundation has been created
to secure a future for Project Gutenberg into the next millennium.

We need your donations more than ever!

As of February, 2002, contributions are being solicited from people
and organizations in: Alabama, Alaska, Arkansas, Connecticut,
Delaware, District of Columbia, Florida, Georgia, Hawaii, Illinois,
Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Massachusetts,
Michigan, Mississippi, Missouri, Montana, Nebraska, Nevada, New
Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio,

Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and Wyoming.

We have filed in all 50 states now, but these are the only ones that have responded.

As the requirements for other states are met, additions to this list will be made and fund raising will begin in the additional states. Please feel free to ask to check the status of your state.

In answer to various questions we have received on this:

We are constantly working on finishing the paperwork to legally request donations in all 50 states. If your state is not listed and you would like to know if we have added it since the list you have, just ask.

While we cannot solicit donations from people in states where we are not yet registered, we know of no prohibition against accepting donations from donors in these states who approach us with an offer to donate.

International donations are accepted, but we don't know ANYTHING about how to make them tax-deductible, or even if they CAN be made deductible, and don't have the staff to handle it even if there are ways.

Donations by check or money order may be sent to:

Project Gutenberg Literary Archive Foundation
PMB 113
1739 University Ave.
Oxford, MS 38655-4109

Contact us if you want to arrange for a wire transfer or payment method other than by check or money order.

The Project Gutenberg Literary Archive Foundation has been approved by the US Internal Revenue Service as a 501(c)(3) organization with EIN [Employee Identification Number] 64-622154. Donations are tax-deductible to the maximum extent permitted by law. As fund-raising requirements for other states are met, additions to this list will be made and fund-raising will begin in the additional states.

We need your donations more than ever!

You can get up to date donation information online at:

<http://www.gutenberg.net/donation.html>

If you can't reach Project Gutenberg,
you can always email directly to:

Michael S. Hart <hart@pobox.com>

Prof. Hart will answer or forward your message.

We would prefer to send you information by email.

****The Legal Small Print****

(Three Pages)

*****START**THE SMALL PRINT!**FOR PUBLIC DOMAIN EBOOKS**START*****

Why is this "Small Print!" statement here? You know: lawyers.

They tell us you might sue us if there is something wrong with your copy of this eBook, even if you got it for free from someone other than us, and even if what's wrong is not our fault. So, among other things, this "Small Print!" statement disclaims most of our liability to you. It also tells you how you may distribute copies of this eBook if you want to.

***BEFORE!* YOU USE OR READ THIS EBOOK**

By using or reading any part of this PROJECT GUTENBERG-tm eBook, you indicate that you understand, agree to and accept this "Small Print!" statement. If you do not, you can receive a refund of the money (if any) you paid for this eBook by sending a request within 30 days of receiving it to the person you got it from. If you received this eBook on a physical medium (such as a disk), you must return it with your request.

ABOUT PROJECT GUTENBERG-TM EBOOKS

This PROJECT GUTENBERG-tm eBook, like most PROJECT GUTENBERG-tm eBooks, is a "public domain" work distributed by Professor Michael S. Hart through the Project Gutenberg Association (the "Project"). Among other things, this means that no one owns a United States copyright on or for this work, so the Project (and you!) can copy and distribute it in the United States without permission and without paying copyright royalties. Special rules, set forth below, apply if you wish to copy and distribute this eBook under the "PROJECT GUTENBERG" trademark.

Please do not use the "PROJECT GUTENBERG" trademark to market any commercial products without permission.

To create these eBooks, the Project expends considerable efforts to identify, transcribe and proofread public domain works. Despite these efforts, the Project's eBooks and any medium they may be on may contain "Defects". Among other things, Defects may take the form of incomplete, inaccurate or

corrupt data, transcription errors, a copyright or other intellectual property infringement, a defective or damaged disk or other eBook medium, a computer virus, or computer codes that damage or cannot be read by your equipment.

LIMITED WARRANTY; DISCLAIMER OF DAMAGES

But for the "Right of Replacement or Refund" described below, [1] Michael Hart and the Foundation (and any other party you may receive this eBook from as a PROJECT GUTENBERG-tm eBook) disclaims all liability to you for damages, costs and expenses, including legal fees, and [2] YOU HAVE NO REMEDIES FOR NEGLIGENCE OR UNDER STRICT LIABILITY, OR FOR BREACH OF WARRANTY OR CONTRACT, INCLUDING BUT NOT LIMITED TO INDIRECT, CONSEQUENTIAL, PUNITIVE OR INCIDENTAL DAMAGES, EVEN IF YOU GIVE NOTICE OF THE POSSIBILITY OF SUCH DAMAGES.

If you discover a Defect in this eBook within 90 days of receiving it, you can receive a refund of the money (if any) you paid for it by sending an explanatory note within that time to the person you received it from. If you received it on a physical medium, you must return it with your note, and such person may choose to alternatively give you a replacement copy. If you received it electronically, such person may choose to alternatively give you a second opportunity to receive it electronically.

THIS EBOOK IS OTHERWISE PROVIDED TO YOU "AS-IS". NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, ARE MADE TO YOU AS TO THE EBOOK OR ANY MEDIUM IT MAY BE ON, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow disclaimers of implied warranties or the exclusion or limitation of consequential damages, so the above disclaimers and exclusions may not apply to you, and you may have other legal rights.

INDEMNITY

You will indemnify and hold Michael Hart, the Foundation, and its trustees and agents, and any volunteers associated with the production and distribution of Project Gutenberg-tm texts harmless, from all liability, cost and expense, including legal fees, that arise directly or indirectly from any of the following that you do or cause: [1] distribution of this eBook, [2] alteration, modification, or addition to the eBook, or [3] any Defect.

DISTRIBUTION UNDER "PROJECT GUTENBERG-tm"

You may distribute copies of this eBook electronically, or by disk, book or any other medium if you either delete this "Small Print!" and all other references to Project Gutenberg, or:

[1] Only give exact copies of it. Among other things, this requires that you do not remove, alter or modify the eBook or this "small print!" statement. You may however, if you wish, distribute this eBook in machine readable binary, compressed, mark-up, or proprietary form, including any form resulting from conversion by word processing or hypertext software, but only so long as *EITHER*:

[*] The eBook, when displayed, is clearly readable, and does *not* contain characters other than those intended by the author of the work, although tilde (~), asterisk (*) and underline (_) characters may be used to convey punctuation intended by the author, and additional characters may be used to indicate hypertext links; OR

[*] The eBook may be readily converted by the reader at no expense into plain ASCII, EBCDIC or equivalent form by the program that displays the eBook (as is the case, for instance, with most word processors); OR

[*] You provide, or agree to also provide on request at no additional cost, fee or expense, a copy of the eBook in its original plain ASCII form (or in EBCDIC or other equivalent proprietary form).

[2] Honor the eBook refund and replacement provisions of this "Small Print!" statement.

[3] Pay a trademark license fee to the Foundation of 20% of the gross profits you derive calculated using the method you already use to calculate your applicable taxes. If you don't derive profits, no royalty is due. Royalties are payable to "Project Gutenberg Literary Archive Foundation" the 60 days following each date you prepare (or were legally required to prepare) your annual (or equivalent periodic) tax return. Please contact us beforehand to let us know your plans and to work out the details.

WHAT IF YOU *WANT* TO SEND MONEY EVEN IF YOU DON'T HAVE TO?

Project Gutenberg is dedicated to increasing the number of public domain and licensed works that can be freely distributed in machine readable form.

The Project gratefully accepts contributions of money, time, public domain materials, or royalty free copyright licenses.

Money should be paid to the:

"Project Gutenberg Literary Archive Foundation."

If you are interested in contributing scanning equipment or software or other items, please contact Michael Hart at:

hart@pobox.com

[Portions of this eBook's header and trailer may be reprinted only when distributed free of all fees. Copyright (C) 2001, 2002 by Michael S. Hart. Project Gutenberg is a TradeMark and may not be used in any sales of Project Gutenberg eBooks or other materials be they hardware or software or any other related product without express permission.]

*END THE SMALL PRINT! FOR PUBLIC DOMAIN EBOOKS*Ver.02/11/02*END*

INT! FOR PUBLIC DOMAIN EBOOKS*Ver.02/11/02*END*

OK OR ANY MEDIUM IT MAY BE ON, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow disclaimers of implied warranties or the exclusion or limitation of consequential damages, so the above disclaimers and exclusions may not apply to you, and you may have other legal rights.

INDEMNITY

You will indemnify and hold Michael Hart, the Foundation, and its trustees and agents, and any volunteers associated with the production and distribution of Project Gutenberg-tm texts harmless, from all liability, cost and expense, including legal fees, that arise directly or indirectly from any of the following that you do or cause: [1] distribution of this eBook, [2] alteration, modification, or addition to the eBook, or [3] any Defect.

DISTRIBUTION UNDER "PROJECT GUTENBERG-tm"

You may distribute copies of this eBook electronically, or by disk, book or any other medium if you either delete this

"Small Print!" and all other references to Project Gutenberg,

or:

[1] Only give exact copies of it. Among other things, this requires that you do not remove, alter or modify the eBook or this "small print!" statement. You may however, if you wish, distribute this eBook in machine readable binary, compressed, mark-up, or proprietary form, including any form resulting from conversion by word processing or hypertext software, but only so long as
***EITHER*:**

[*] The eBook, when displayed, is clearly readable, and does ***not*** contain characters other than those intended by the author of the work, although tilde (~), asterisk (*) and underline (_) characters may be used to convey punctuation