

PRELIMINARY CHECK-LIST OF THE LAND AND FRESH WATER MOLLUSCA OF CANADA.

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In the March number of the OTTAWA NATURALIST I published a request for information to enable me to compile a complete Check-list of the Canadian Land and Freshwater Mollusca, showing the distribution of each species.

It has since occurred to me that the gathering of records may be made easier by the publication of a *preliminary* list. This is printed herewith. It contains the names of all those species of the occurrence of which in Canada I have fairly reliable information.

It does not, however, lay claim to completeness or even to absolute correctness as far as it goes, for I have in more than one instance allowed names to remain which are most probably synonyms, and I have retained other names because they have appeared on published lists though I suspect the specimens on which such records were founded may have been wrongly identified.

Imperfect though it be the list will serve as a basis for future work, and corrections and additions can be made from time to time.

Of the 244 species here enumerated, 128 (47 Land and 40 Freshwater Univalves, and 41 Freshwater Bivalves) are on record from the Ottawa district; 57 (32 Land and 16 Freshwater Univalves, and 9 Freshwater Bivalves) are of my own collecting in Vancouver Island (19 of these being also on the Ottawa list). The remaining 79 (29 Land and 14 Freshwater Univalves, and 36 Freshwater Bivalves) are from other parts of the Dominion. Probably 20 or 30 others may be added to the list.

CHECK-LIST.

A.—*Freshwater Bivalves.*

1	Sphærium sulcatum, Lam.	8	Sphærium patella, Gould.
2	" aureum, Prime.	9	" Vermontanum, Prime.
3	" solidulum, Prime.	10	" emarginatum, Prime.
4	" striatinum, Lam.	11	" flavum, Prime.
5	" stamineum, Conrad.	12	" tumidum, Baird.
6	" rhomboideum, Say.	13	" spokani, Baird.
7	" occidentale, Prime.	14	" partumeium, Say.

15	<i>Sphærium</i>	Jayanum, Prime.	51	<i>Unio</i>	<i>pressus</i> , Lea.
16	"	<i>tenue</i> , Prime.	52	"	<i>radiatus</i> , Lam.
17	"	<i>transversum</i> , Say.	53	"	<i>rectus</i> , Lam.
18	"	<i>secure</i> , Prime.	54	"	<i>rubiginosus</i> , Lea.
19	"	<i>rosaceum</i> , Prime.	55	"	<i>spatulatus</i> , Lea.
20	"	<i>truncatum</i> , Linsley.	56	"	<i>subovatus</i> , Lea.
21	"	<i>lenticulum</i> , Gould.	57	"	<i>tenuissimus</i> , Lea.
22	<i>Pisidium</i>	<i>Virginicum</i> , Gmel.	58	"	<i>triangularis</i> , Say.
23	"	<i>Adamsi</i> , Prime.	59	"	<i>undulatus</i> , Barnes.
24	"	<i>compressum</i> , Prime.	60	"	<i>ventricosus</i> , Barnes.
25	"	<i>variable</i> , Prime.	61	<i>Margaritana</i>	<i>calceola</i> , Lea.
26	"	<i>abditum</i> , Hald.	62	"	<i>complanata</i> , Barnes.
27	"	<i>ventricosum</i> , Prime.	63	"	<i>margaritifera</i> , L.
28	"	<i>rotundatum</i> , Prime.	64	"	<i>marginata</i> , Say.
29	"	<i>occidentale</i> , Newcomb.	65	"	<i>rugosa</i> , Barnes.
30	"	<i>ultramontanum</i> , Prime.	66	"	<i>undulata</i> , Say.
31	"	<i>sp.</i>	67	<i>Anodonta</i>	<i>angulata</i> , Lea.
32	"	<i>sp.</i>	68	"	<i>Benedictii</i> , Lea.
33	"	<i>sp.</i>	69	"	<i>corpulenta</i> , Cooper.
34	<i>Unio</i>	<i>alatus</i> , Say.	70	"	<i>Dallasiana</i> , Lea.
35	"	<i>asperimus</i> , Lea.	71	"	<i>edentula</i> , Say.
36	"	<i>borealis</i> , A. F. Gray.	72	"	<i>Ferussaciana</i> , Lea.
37	"	<i>Canadensis</i> , Lea.	73	"	<i>fluviatilis</i> , Dillwyn.
38	"	<i>cariosus</i> , Lea.	74	"	<i>Footiana</i> , Lea.
39	"	<i>complanatus</i> , Sol.	75	"	<i>fragilis</i> , Lam.
40	"	<i>ellipsis</i> , Lea.	76	"	<i>implicata</i> , Say.
41	"	<i>gibbosus</i> , Barnes.	77	"	<i>Kennicottii</i> , Lea.
42	"	<i>gracilis</i> , Barnes.	78	"	<i>lacustris</i> , Lea.
43	"	<i>lachrymosus</i> , Lea.	79	"	<i>Lewisii</i> , Lea.
44	"	<i>ligamentinus</i> , Lam.	80	"	<i>Nuttalliana</i> , Lea.
45	"	<i>luteolus</i> , Lam.	81	"	<i>ovata</i> , Say.
46	"	<i>multiplicatus</i> , Lea.	82	"	<i>plana</i> , Lea.
47	"	<i>nasutus</i> , Say.	83	"	<i>Simpsoniana</i> , Lea.
48	"	<i>occidens</i> , Lea.	84	"	<i>subcylindracea</i> , Lea.
49	"	<i>phaseolus</i> , Hildreth.	85	"	<i>undulata</i> , Say.
50	"	<i>plicatus</i> , LeSueur.	86	"	<i>Wahlamatensis</i> , Lea.

B.—Freshwater Univalves.

87	<i>Valvata tricarinata</i> , Say.	119	<i>Limnæa humilis</i> , Say.
88	“ <i>sincera</i> , Say.	120	“ <i>lanceata</i> , Gould.
89	“ <i>pupoidea</i> , Gould.	121	“ <i>gracilis</i> , Jay.
90	“ <i>virens</i> , Tryon.	122	<i>Physa Lordi</i> , Baird.
91	<i>Campeloma decisum</i> , Say.	123	“ <i>gyrina</i> , Say.
92	<i>Bythinia tentaculata</i> , L.	124	“ <i>triticea</i> , Lea.
93	<i>Bythinella obtusa</i> , Lea.	125	“ <i>ampullacea</i> , Gould.
94	<i>Somatogyrus depressus</i> , Tryon.	126	“ <i>ancillaria</i> , Say.
95	“ <i>isogonus</i> , Say.	127	“ <i>Billingsii</i> , Heron.
96	<i>Amnicola porata</i> , Say.	128	“ <i>heterostropha</i> , Say.
97	“ <i>pallida</i> , Hald.	129	<i>Bulinus hypnorum</i> , L.
98	“ <i>limosa</i> , Say.	130	<i>Planorbis corpulentus</i> , Say.
99	“ <i>Cincinnatiensis</i> , Anth.	131	“ <i>trivolvus</i> , Say.
100	“ <i>granum</i> , Say.	132	“ <i>macrostomus</i> , Whit-
101	<i>Fluminicola Nuttalliana</i> , Lea.		eaves.
102	<i>Pomatiopsis lapidaria</i> , Hald.	133	“ <i>bicarinatus</i> , Say.
103	“ <i>lustrica</i> , Say.	134	“ <i>campanulatus</i> , Say.
104	<i>Plurocera subulare</i> , Lea.	135	“ <i>opercularis</i> , Gould.
105	<i>Goniobasis livescens</i> , Menke.	136	“ <i>exacutus</i> , Say.
106	“ <i>salicula</i> , Gould.	137	“ <i>deflectus</i> , Say.
107	<i>Limnæa stagnalis</i> , L.	138	“ <i>albus</i> , Müll.
108	“ <i>ampla</i> , Mighels.	139	“ <i>nautilus</i> , L.
109	“ <i>decollata</i> , Mighels.	140	“ <i>parvus</i> , Say.
110	“ <i>columella</i> , Say.	141	“ <i>umbilicatus</i> , J. W.
111	“ <i>lepida</i> , Gould.		Taylor.
112	“ <i>megasoma</i> , Say.	142	“ <i>Billingsii</i> , Lea.
113	“ <i>palustris</i> , Müll.	143	<i>Segmentina armigera</i> , Say.
114	“ <i>catascopium</i> , Say.	144	<i>Ancylus parallelus</i> , Hald.
115	“ <i>emarginata</i> , Say.	145	“ <i>rivularis</i> , Say.
116	“ <i>caperata</i> , Say.	146	“ <i>caurinus</i> , Cooper.
117	“ <i>decidiosa</i> , Say.	147	“ <i>fragilis</i> , Tryon.
118	“ <i>Adelinæ</i> , Tryon.	148	“ <i>Kootaniensis</i> , Baird.

C.—Land Shells.

149	<i>Selenites concava</i> , Say.	151	<i>Selenites sportella</i> , Gould.
150	“ <i>Vancouverensis</i> , Lea.	152	<i>Limax agrestis</i> , Müll.

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| 153 | <i>Limax campestris</i> , Binney. | 184 | <i>Patula striatella</i> , Anth. |
| 154 | “ <i>hyperboreus</i> , Wester- | 185 | “ <i>asteriscus</i> , Morse. |
| | lund. | 186 | <i>Helicodiscus lineatus</i> , Say. |
| 155 | <i>Vitrina limpida</i> , Gould. | 187 | <i>Acanthinula harpa</i> , Say |
| 156 | “ <i>Pfeifferi</i> , Newcomb. | 188 | <i>Punctum minutissimum</i> , Lea. |
| 157 | <i>Zonites fuliginosus</i> , Griff. | 189 | “ <i>conspectum</i> , Bland. |
| 158 | “ <i>ligerus</i> , Say. | 190 | <i>Helix aspersa</i> , Müll. |
| 159 | “ <i>intertextus</i> , Binney. | 191 | “ <i>hortensis</i> , L. |
| 160 | “ <i>inornatus</i> , Say. | 192 | “ <i>fidelis</i> , Gray. |
| 161 | “ <i>cellarius</i> Müll. | 193 | “ <i>arbustorum</i> , L. |
| 162 | “ <i>nitidus</i> , Müll. | 194 | “ <i>Townsendiana</i> , Lea. |
| 163 | “ <i>arboreus</i> , Say. | 195 | “ <i>hispida</i> , L. |
| 164 | “ <i>radiatulus</i> , Alder. | 196 | “ <i>rufescens</i> , Pennant. |
| 165 | “ <i>indentatus</i> , Say. | 197 | “ <i>Cantiana</i> , Montagu. |
| 166 | “ <i>minusculus</i> , Binney. | 198 | “ <i>thyroides</i> , Say. |
| 167 | “ <i>milium</i> , Morse. | 199 | “ <i>albolabris</i> , Say. |
| 168 | “ <i>Binneyanus</i> , Morse. | 200 | “ <i>dentifera</i> , Binney. |
| 169 | “ <i>ferreus</i> , Morse. | 201 | “ <i>Columbiana</i> , Lea. |
| 170 | “ <i>exiguus</i> , Stimpson. | 202 | “ <i>devia</i> , Gould. |
| 171 | “ <i>fulvus</i> , Drap. | 203 | “ <i>Sayii</i> , Binney. |
| 172 | “ <i>suppressus</i> , Say. | 204 | “ <i>monodon</i> , Rackett. |
| 173 | “ <i>multidentatus</i> , Binney. | 205 | “ <i>Leaii</i> , Ward. |
| 174 | <i>Pristiloma Lansingi</i> , Bland. | 206 | “ <i>germana</i> , Gould. |
| 175 | “ <i>Stearnsi</i> , Bland. | 207 | “ <i>tridentata</i> , Say. |
| 176 | <i>Tebennophorus Caroliniensis</i> , | 208 | “ <i>palliata</i> , Say. |
| | Bosc. | 209 | “ <i>pulchella</i> , Müll. |
| 177 | “ <i>dorsalis</i> , Binney. | 210 | “ <i>costata</i> , Müll. |
| 178 | <i>Ariolimax Columbianus</i> , Gould. | 211 | “ <i>labyrinthica</i> , Say. |
| 179 | <i>Prophysaon Hemphilli</i> , Bld. | 212 | <i>Pupa muscorum</i> , L. |
| | & Binney. | 213 | “ <i>Hoppii</i> , Möller. |
| 180 | “ <i>Pacificum</i> , Cock- | 214 | “ <i>decora</i> , Gould. |
| | erell. | 215 | “ <i>corpulenta</i> , Morse. |
| 181 | <i>Patula alternata</i> , Say. | 216 | “ <i>fallax</i> , Say. |
| 182 | “ <i>strigosa</i> , Gould. | 217 | “ <i>corticaria</i> , Say. |
| 183 | “ <i>perspectiva</i> , Say. | 218 | “ <i>armifera</i> , Say. |

219	<i>Pupa contracta</i> , Say.	233	<i>Succinea Hawkinsi</i> , Baird.
220	" <i>Holzingeri</i> , Sterki.	234	" <i>lineata</i> , Binney.
221	" <i>simplex</i> , Gould.	235	" <i>Nuttalliana</i> , Lea.
222	" <i>miliun</i> , Gould.	236	" <i>obliqua</i> , Say.
223	<i>Vertigo ovata</i> , Say.	237	" <i>Oregonensis</i> , Lea.
224	" <i>Gouldii</i> , Binney.	238	" <i>ovalis</i> , Gould.
225	" <i>Bollesiana</i> , Morse.	239	" <i>Haydeni</i> , W.G. Binney
226	" <i>ventricosa</i> , Morse.	240	" <i>rusticana</i> , Gould.
227	" <i>pentodon</i> , Say.	241	" <i>Verrilli</i> , Bland.
228	" <i>curvidens</i> , Gould.	242	<i>Onchidium Carpenteri</i> , W. G. Binney.
229	" <i>Binneyana</i> , Sterki.	243	<i>Onchidella borealis</i> , Dall.
230	<i>Ferussacia subcylindrica</i> , L.	244	<i>Carychium exiguum</i> , Say.
231	<i>Succinea aurea</i> , Lea.		
232	" <i>avara</i> , Say.		

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ROYAL SOCIETY OF CANADA.

The Eleventh Annual Meeting of the above Society will be held in Ottawa in the beginning of June.

Fellows and Delegates will register in Dr. Bourinot's office in the House of Commons on May 31st, between the hours of 9 and 10 o'clock a.m. There will be a general meeting of the Society from 10 to 12 and at 3.30 p.m. The Presidential Address will be delivered by the Rev. Abbé Laflamme, D.D.

The meetings of Section IV—Geological and Biological Sciences—will be held in one of the Committee Rooms of the House of Commons. All meetings are open to the public, and our members are particularly invited to attend. Mr. F. T. Shutt, M.A., F.I.C., F.C.S., our First Vice-President will represent the Club officially.



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