

THE PHENOLOGY OF NOVA SCOTIA, 1913—BY A. H.
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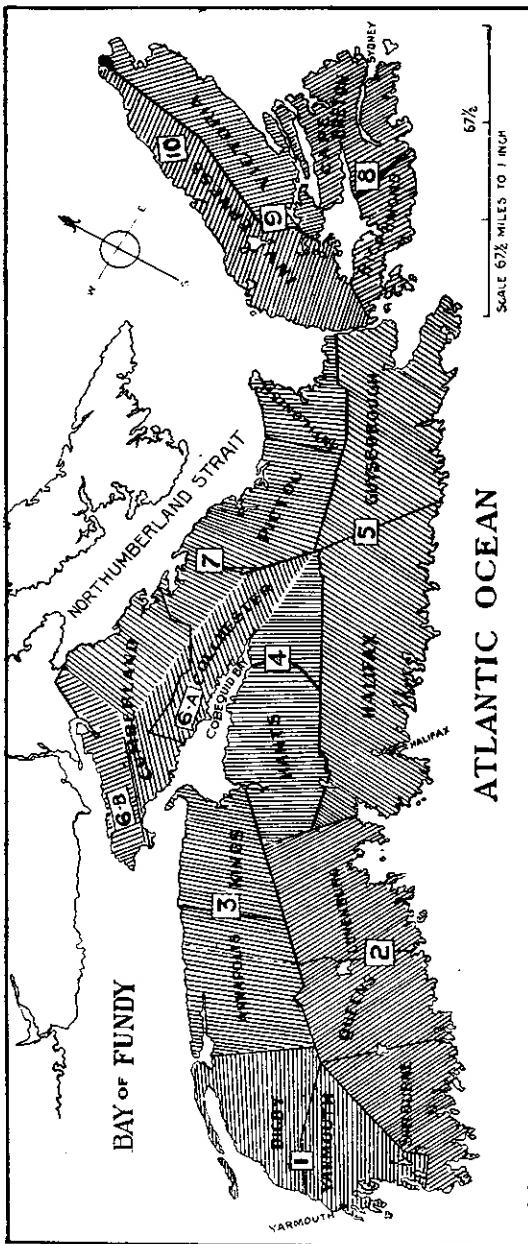
(Read by title 12 May 1914)

These phenological observations were made in the schools of the province of Nova Scotia as a part of the Nature Study work prescribed. The pupils report or bring in the flowering or other specimens to the teachers when they are first observed. The teachers record the first observation and observer, and vouch for the accurate naming of the species. The schedules from 200 of the best schools form the material of the following system of average dates (phenochrons) for the ten biological regions of the Province, and the phenochrons of the Province as a whole. The compilation of the 200 schedules was done by H. R. Shinner, B. A.

The Province is divided into its main climate slopes or regions not always coterminous with the boundaries of counties. Slopes, especially those to the coast, are subdivided into belts, such as (a) the coast belt, (b) the low inland belt, and (c) the high inland belt, as below:—

No.	Regions or Slopes.	Belts.
I.	Yarmouth and Digby Counties,	(a) Coast, (b) Low Inlands, (c) High Inlands.
II.	Shelburne, Queens & Lunenburg Co's.	" " "
III.	Annapolis and Kings Couties,	(a) Coast, (b) North Mt., (c) Anapolis Valley, (d) Cornwallis Valley, (e) South Mt.
IV.	Hants and Colchester Counties,	(a) Coast, (b) Low Inlands, (c) High Inlands.
V.	Halifax and Guysboro Counties,	" " "
VI.A.	Cobequid Slope (to the south),	" " "
VI.B.	Chignecto Slope (to the northwest),	" " "
VII.	Northumberland Sts Slope (to the n'h)	" " "
VIII.	Richmond & Cape Breton Co's.,	" " "
IX.	Bras d'Or Slope (to the southeast),	" " "
X.	Inverness Slope (to Gulf, N. W.),	" " "

The ten *regions* are indicated on the outline map on the next page.



THE TEN PHENOLOGICAL REGIONS OF NOVA SCOTIA.

NOVA SCOTIA, 1913.—MACKAY.

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THE PHENOLOGY OF NOVA SCOTIA, 1913.

[Compiled from over 200 local observation schedules.]

PHENOLOGICAL OBSERVATIONS IN

WHEN FIRST SHOWN.		YEAR 1913.		OBSERVATION REGIONS.		OBSERVATION REGIONS.	
1. Yarmouth and Digby	Average Dates	1. Yarmouth and Digby	Average Dates	1. Adanpoles and Kings	1. Adanpoles and Kings	1. Brampton and L'Amourie	1. Brampton and L'Amourie
2. Belcourt, Quebec	and L'Amourie	2. Belcourt, Quebec	and L'Amourie	3. Annapole and Kings	3. Annapole and Kings	4. Hants and South	4. Hants and South
3. Halifax and Gaspé	Gaspé	5. Halifax and Gaspé	Gaspé	6. S. Cobiquid Slope	6. S. Cobiquid Slope	7. N. Oumb. & Cld.	7. N. Oumb. & Cld.
4. Hants and South	Cobiquid Slope	4. Hants and South	Cobiquid Slope	8. Richmond and Cape	8. Richmond and Cape	9. Bras d'O. Slope to	9. Bras d'O. Slope to
5. Hants and Gaspé	Gaspé	5. Hants and Gaspé	Gaspé	10. Iverness Slope to	10. Iverness Slope to	Guill.	Guill.
6. S. Cobiquid Slope	Slope	6. S. Cobiquid Slope	Slope	11. Grand Falls and Gaspé	11. Grand Falls and Gaspé	12. Grand Falls and Gaspé	12. Grand Falls and Gaspé
7. N. Oumb. & Cld.	(S. Cobiquid Slope)	7. N. Oumb. & Cld.	(S. Cobiquid Slope)	13. Grand Falls and Gaspé	13. Grand Falls and Gaspé	14. Grand Falls and Gaspé	14. Grand Falls and Gaspé
8. Richmond and Cape	and Antigonish	8. Richmond and Cape	and Antigonish	15. Grand Falls and Gaspé	15. Grand Falls and Gaspé	16. Grand Falls and Gaspé	16. Grand Falls and Gaspé
9. Bras d'O. Slope to	Guill.	9. Bras d'O. Slope to	Guill.	17. Amelanchier Canadensis	17. Amelanchier Canadensis	18. Prunus Pensylvanica	18. Prunus Pensylvanica
10. Iverness Slope to	Guill.	10. Iverness Slope to	Guill.	fruit ripe.....	fruit ripe.....	fruit ripe.....	fruit ripe.....
11. Grand Falls and Gaspé		11. Grand Falls and Gaspé		Jan.....	July.....	Aug.....	Sept.....
12. Grand Falls and Gaspé		12. Grand Falls and Gaspé		31	212	243	273
13. Grand Falls and Gaspé		13. Grand Falls and Gaspé		33	233	273	304
14. Grand Falls and Gaspé		14. Grand Falls and Gaspé		90	273	304	334
15. Grand Falls and Gaspé		15. Grand Falls and Gaspé		120	273	304	365
16. Grand Falls and Gaspé		16. Grand Falls and Gaspé		181	273	304	365
17. Amelanchier Canadensis		17. Amelanchier Canadensis		For leap year add one to each	except January.	except January.	except January.
18. Prunus Pensylvanica		18. Prunus Pensylvanica					
19. Vaccinium Can. and Pen.		19. Vaccinium Can. and Pen.					
20. Rhododentron Rhodora		20. Rhododentron Rhodora					
21. Corus Canadensis		21. Corus Canadensis					
22. Rhamnus carris		22. Rhamnus carris					
23. Rhamnus carris		23. Rhamnus carris					
24. R. repens		24. R. repens					
25. Trill. erythrocarpum		25. Trill. erythrocarpum					
26. Rhododentron Rhodora		26. Rhododentron Rhodora					
27. Cornus Canadensis		27. Cornus Canadensis					
28. fruit ripe.....		28. fruit ripe.....					
1. Adanpoles and Kings		1. Adanpoles and Kings					
2. Belcourt, Quebec		2. Belcourt, Quebec					
3. Annapole and Kings		3. Annapole and Kings					
4. Hants and South		4. Hants and South					
5. Halifax and Gaspé		5. Halifax and Gaspé					
6. S. Cobiquid Slope		6. S. Cobiquid Slope					
7. N. Oumb. & Cld.		7. N. Oumb. & Cld.					
8. Richmond and Cape		8. Richmond and Cape					
9. Bras d'O. Slope to		9. Bras d'O. Slope to					
10. Iverness Slope to		10. Iverness Slope to					
11. Grand Falls and Gaspé		11. Grand Falls and Gaspé					
12. Grand Falls and Gaspé		12. Grand Falls and Gaspé					
13. Grand Falls and Gaspé		13. Grand Falls and Gaspé					
14. Grand Falls and Gaspé		14. Grand Falls and Gaspé					
15. Grand Falls and Gaspé		15. Grand Falls and Gaspé					
16. Grand Falls and Gaspé		16. Grand Falls and Gaspé					
17. Grand Falls and Gaspé		17. Grand Falls and Gaspé					
18. Grand Falls and Gaspé		18. Grand Falls and Gaspé					
19. Grand Falls and Gaspé		19. Grand Falls and Gaspé					
20. Grand Falls and Gaspé		20. Grand Falls and Gaspé					
21. Grand Falls and Gaspé		21. Grand Falls and Gaspé					
22. Grand Falls and Gaspé		22. Grand Falls and Gaspé					
23. Grand Falls and Gaspé		23. Grand Falls and Gaspé					
24. Grand Falls and Gaspé		24. Grand Falls and Gaspé					
25. Grand Falls and Gaspé		25. Grand Falls and Gaspé					
26. Grand Falls and Gaspé		26. Grand Falls and Gaspé					
27. Grand Falls and Gaspé		27. Grand Falls and Gaspé					
28. Grand Falls and Gaspé		28. Grand Falls and Gaspé					
29. Grand Falls and Gaspé		29. Grand Falls and Gaspé					
30. Clintonia borealis.....		30. Clintonia borealis.....					
31. Clintonia borealis.....		31. Clintonia borealis.....					
32. Cypripedium acaule.....		32. Cypripedium acaule.....					
33. Saxifrage angustifolium.....		33. Saxifrage angustifolium.....					
34. Linnaea borealis.....		34. Linnaea borealis.....					
35. Kalmia glauces.....		35. Kalmia glauces.....					
36. Kalmia angustifolia.....		36. Kalmia angustifolia.....					
37. Crataegus oxyacanthoides.....		37. Crataegus oxyacanthoides.....					
38. Crataegus occidentalis.....		38. Crataegus occidentalis.....					
39. Iris versicolor.....		39. Iris versicolor.....					
40. Chrysanthemum Leucanthemum.....		40. Chrysanthemum Leucanthemum.....					
41. Nuphar advena.....		41. Nuphar advena.....					

165	42	<i>Rubus strigosus</i>	fruit ripe	165	171	160	161	174	157	163	165	167	167
160	158	43	<i>Rhinanthus Crista-galli</i>	173	173	172	172	172	172	173	172	173	175
160	182	44	<i>Rubus villosus</i>	168	168	169	171	171	171	173	172	173	175
160	227	45	<i>Rubus villosus</i>	165	165	166	166	167	167	167	167	167	175
162	172	46	<i>Sarcococca purpurea</i>	211	235	236	236	236	236	236	236	236	236
162	174	47	<i>Sarcococca purpurea</i>	171	168	172	169	185	181	172	171	171	175
162	166	48	<i>Brunnells vulgaris</i>	175	170	174	171	171	171	176	176	176	180
162	165	49	<i>Bross lucida</i>	181	181	173	173	171	171	180	167	173	172
162	165	50	<i>Leontodon autumnale</i>	174	178	178	178	172	172	173	173	178	182
162	165	51	<i>Lunaria vulgaris</i>	159	163	177	177	165	165	177	177	164	185
162	165	52	Trees appear green.	135	128	128	128	139	139	138	146	136	153
162	165	53	<i>Ribes rubrum</i> cultivated	149	149	149	149	140	140	143	151	140	142
162	165	54	fruit ripe	201	201	201	201	193	193	212	208	208	175
162	165	55	<i>R. nigrum</i> cultivated	137	148	155	155	140	141	146	154	148	156
162	165	56	fruit ripe	150	150	152	155	150	150	156	156	156	156
162	165	57	<i>Prunus Cerasus</i>	154	154	154	154	143	143	149	156	145	158
162	165	58	fruit ripe	158	158	158	158	206	218	180	180	180	159
162	165	59	<i>Prunus domestica</i>	150	150	144	144	143	142	146	160	155	155
162	165	60	<i>Pyrus Malus</i>	156	156	156	156	149	152	149	154	165	164
162	165	61	Syringa vulgaris	160	160	160	160	168	164	162	162	162	164
162	165	62	Trifolium repens	169	169	159	159	165	166	163	162	164	166
162	165	63	<i>Trifolium pratense</i>	161	161	161	161	165	165	161	162	168	170
162	165	64	<i>Pheium pratense</i>	167	167	167	167	170	173	168	165	163	171
162	165	65	<i>Solanum tuberosum</i>	164	164	164	164	177	177	169	169	169	173
162	165	66	Ploughing (first of season)	166	166	166	166	123	121	116	119	123	123
162	165	67	Sowing	166	166	166	166	123	121	116	124	123	123
162	165	68	Potato-planting	167	167	167	167	126	126	124	144	138	137
162	165	69	Sheep-shearing.	168	168	168	168	133	130	135	140	147	129
162	165	70	Hay-cutting.	169	169	169	169	188	188	189	189	145	121
162	165	71	Grain-cutting.	170	170	170	170	251	251	251	251	226	226
162	165	72	Portato-digging.	171	171	171	171	274	274	274	274	260	260
162	165	73	Opening of rivers.	172	172	172	172	289	289	289	289	336	336
162	165	74	Water in streams—high.	173	173	173	173	287	287	287	287	276	282
162	165	75	low	174	174	174	174	288	288	288	288	288	288
162	165	76	First autumn frost—hard.	175	175	175	175	295	295	295	295	295	295
162	165	77	last snow to whitening ground.	176	176	176	176	304	304	304	304	304	304
162	165	78	fly in air.	177	177	177	177	305	305	305	305	305	305
162	165	79	Closing of lakes.	178	178	178	178	306	306	306	306	306	306
162	165	80	rivers.	179	179	179	179	307	307	307	307	307	307
162	165	81	Wild ducks migrating.	180	180	180	180	308	308	308	308	308	308
162	165	82	Wild geese migrating.	181	181	181	181	309	309	309	309	309	309

PHENOLOGICAL OBSERVATIONS IN

OBSERVATION REGIONS.	YEAR 1913.		WHEN BECOMING COMMON
	WHEN FIRST SEEN.	OBSERVATION REGIONS.	
1. Yarmouth and Digby	284	283	Average Dates
2. Sheldburne, Queens-	111	79	Jan. 31
3. Amherstolis and Kinc-	70	68	July 212
4. Hants and Kings-	79	66	Aug. 223
5. Halifax and Gyspbro-	100	75	Sept. 273
6. (S. Cobeguid Slope,	111	80	Oct. 304
7. N. Cumb., Col., Pictou	120	123	Nov. 334
8. Richmondt and Cape	124	122	Dec. 365
9. Bras d'Or Slope, Irv.,	130	120	
10. Inverness Slope to	131	121	
Gulf	132	122	
Breton	133	123	
N. Cumb., Col., Pictou	134	120	
and Antigonish	135	121	
(S. Cumb., & Col.)	136	122	
Cobeguid Slope,	137	123	
Hants and Kings-	138	120	
and Lamebridge	139	121	
Sheldburne, Queens-	140	122	
Amherstolis and Kinc-	141	123	
Halifax and Gyspbro-	142	120	
(S. Cobeguid Slope,	143	121	
and Antigonish	144	122	
(S. Cumb., & Col.)	145	123	
Cobeguid Slope,	146	120	
Hants and Kings-	147	121	
and Lamebridge	148	122	
Sheldburne, Queens-	149	123	
Amherstolis and Kinc-	150	120	
Halifax and Gyspbro-	151	121	
(S. Cobeguid Slope,	152	122	
and Antigonish	153	123	
Hants and Kings-	154	120	
and Lamebridge	155	121	
Sheldburne, Queens-	156	122	
Amherstolis and Kinc-	157	123	
Halifax and Gyspbro-	158	120	
(S. Cobeguid Slope,	159	121	
and Antigonish	160	122	
Hants and Kings-	161	123	
and Lamebridge	162	120	
Sheldburne, Queens-	163	121	
Amherstolis and Kinc-	164	122	
Halifax and Gyspbro-	165	123	
(S. Cobeguid Slope,	166	120	
and Antigonish	167	121	
Hants and Kings-	168	122	
and Lamebridge	169	123	
Sheldburne, Queens-	170	120	
Amherstolis and Kinc-	171	121	
Halifax and Gyspbro-	172	122	
(S. Cobeguid Slope,	173	123	
and Antigonish	174	120	
Hants and Kings-	175	121	
and Lamebridge	176	122	
Sheldburne, Queens-	177	123	
Amherstolis and Kinc-	178	120	
Halifax and Gyspbro-	179	121	
(S. Cobeguid Slope,	180	122	
and Antigonish	181	123	
Hants and Kings-	182	120	
and Lamebridge	183	121	
Sheldburne, Queens-	184	122	
Amherstolis and Kinc-	185	123	
Halifax and Gyspbro-	186	120	
(S. Cobeguid Slope,	187	121	
and Antigonish	188	122	
Hants and Kings-	189	123	
and Lamebridge	190	120	
Sheldburne, Queens-	191	121	
Amherstolis and Kinc-	192	122	
Halifax and Gyspbro-	193	123	
(S. Cobeguid Slope,	194	120	
and Antigonish	195	121	
Hants and Kings-	196	122	
and Lamebridge	197	123	
Sheldburne, Queens-	198	120	
Amherstolis and Kinc-	199	121	
Halifax and Gyspbro-	200	122	
(S. Cobeguid Slope,	201	123	
and Antigonish	202	120	
Hants and Kings-	203	121	
and Lamebridge	204	122	
Sheldburne, Queens-	205	123	
Amherstolis and Kinc-	206	120	
Halifax and Gyspbro-	207	121	
(S. Cobeguid Slope,	208	122	
and Antigonish	209	123	
Hants and Kings-	210	120	
and Lamebridge	211	121	
Sheldburne, Queens-	212	122	
Amherstolis and Kinc-	213	123	
Halifax and Gyspbro-	214	120	
(S. Cobeguid Slope,	215	121	
and Antigonish	216	122	
Hants and Kings-	217	123	
and Lamebridge	218	120	
Sheldburne, Queens-	219	121	
Amherstolis and Kinc-	220	122	
Halifax and Gyspbro-	221	123	
(S. Cobeguid Slope,	222	120	
and Antigonish	223	121	
Hants and Kings-	224	122	
and Lamebridge	225	123	
Sheldburne, Queens-	226	120	
Amherstolis and Kinc-	227	121	
Halifax and Gyspbro-	228	122	
(S. Cobeguid Slope,	229	123	
and Antigonish	230	120	
Hants and Kings-	231	121	
and Lamebridge	232	122	
Sheldburne, Queens-	233	123	
Amherstolis and Kinc-	234	120	
Halifax and Gyspbro-	235	121	
(S. Cobeguid Slope,	236	122	
and Antigonish	237	123	
Hants and Kings-	238	120	
and Lamebridge	239	121	
Sheldburne, Queens-	240	122	
Amherstolis and Kinc-	241	123	
Halifax and Gyspbro-	242	120	
(S. Cobeguid Slope,	243	121	
and Antigonish	244	122	
Hants and Kings-	245	123	
and Lamebridge	246	120	
Sheldburne, Queens-	247	121	
Amherstolis and Kinc-	248	122	
Halifax and Gyspbro-	249	123	
(S. Cobeguid Slope,	250	120	
and Antigonish	251	121	
Hants and Kings-	252	122	
and Lamebridge	253	123	
Sheldburne, Queens-	254	120	
Amherstolis and Kinc-	255	121	
Halifax and Gyspbro-	256	122	
(S. Cobeguid Slope,	257	123	
and Antigonish	258	120	
Hants and Kings-	259	121	
and Lamebridge	260	122	
Sheldburne, Queens-	261	123	
Amherstolis and Kinc-	262	120	
Halifax and Gyspbro-	263	121	
(S. Cobeguid Slope,	264	122	
and Antigonish	265	123	
Hants and Kings-	266	120	
and Lamebridge	267	121	
Sheldburne, Queens-	268	122	
Amherstolis and Kinc-	269	123	
Halifax and Gyspbro-	270	120	
(S. Cobeguid Slope,	271	121	
and Antigonish	272	122	
Hants and Kings-	273	123	
and Lamebridge	274	120	
Sheldburne, Queens-	275	121	
Amherstolis and Kinc-	276	122	
Halifax and Gyspbro-	277	123	
(S. Cobeguid Slope,	278	120	
and Antigonish	279	121	
Hants and Kings-	280	122	
and Lamebridge	281	123	
Sheldburne, Queens-	282	120	
Amherstolis and Kinc-	283	121	
Halifax and Gyspbro-	284	122	
(S. Cobeguid Slope,	285	123	
and Antigonish	286	120	
Hants and Kings-	287	121	
and Lamebridge	288	122	
Sheldburne, Queens-	289	123	
Amherstolis and Kinc-	290	120	
Halifax and Gyspbro-	291	121	
(S. Cobeguid Slope,	292	122	
and Antigonish	293	123	
Hants and Kings-	294	120	
and Lamebridge	295	121	
Sheldburne, Queens-	296	122	
Amherstolis and Kinc-	297	123	
Halifax and Gyspbro-	298	120	
(S. Cobeguid Slope,	299	121	
and Antigonish	300	122	
Hants and Kings-	301	123	
and Lamebridge	302	120	
Sheldburne, Queens-	303	121	
Amherstolis and Kinc-	304	122	
Halifax and Gyspbro-	305	123	
(S. Cobeguid Slope,	306	120	
and Antigonish	307	121	
Hants and Kings-	308	122	
and Lamebridge	309	123	
Sheldburne, Queens-	310	120	
Amherstolis and Kinc-	311	121	
Halifax and Gyspbro-	312	122	
(S. Cobeguid Slope,	313	123	
and Antigonish	314	120	
Hants and Kings-	315	121	
and Lamebridge	316	122	
Sheldburne, Queens-	317	123	
Amherstolis and Kinc-	318	120	
Halifax and Gyspbro-	319	121	
(S. Cobeguid Slope,	320	122	
and Antigonish	321	123	
Hants and Kings-	322	120	
and Lamebridge	323	121	
Sheldburne, Queens-	324	122	
Amherstolis and Kinc-	325	123	
Halifax and Gyspbro-	326	120	
(S. Cobeguid Slope,	327	121	
and Antigonish	328	122	
Hants and Kings-	329	123	
and Lamebridge	330	120	
Sheldburne, Queens-	331	121	
Amherstolis and Kinc-	332	122	
Halifax and Gyspbro-	333	123	
(S. Cobeguid Slope,	334	120	
and Antigonish	335	121	
Hants and Kings-	336	122	
and Lamebridge	337	123	
Sheldburne, Queens-	338	120	
Amherstolis and Kinc-	339	121	
Halifax and Gyspbro-	340	122	
(S. Cobeguid Slope,	341	123	
and Antigonish	342	120	
Hants and Kings-	343	121	
and Lamebridge	344	122	
Sheldburne, Queens-	345	123	
Amherstolis and Kinc-	346	120	
Halifax and Gyspbro-	347	121	
(S. Cobeguid Slope,	348	122	
and Antigonish	349	123	
Hants and Kings-	350	120	
and Lamebridge	351	121	
Sheldburne, Queens-	352	122	
Amherstolis and Kinc-	353	123	
Halifax and Gyspbro-	354	120	
(S. Cobeguid Slope,	355	121	
and Antigonish	356	122	
Hants and Kings-	357	123	
and Lamebridge	358	120	
Sheldburne, Queens-	359	121	
Amherstolis and Kinc-	360	122	
Halifax and Gyspbro-	361	123	
(S. Cobeguid Slope,	362	120	
and Antigonish	363	121	
Hants and Kings-	364	122	
and Lamebridge	365	123	
Sheldburne, Queens-	366	120	
Amherstolis and Kinc-	367	121	
Halifax and Gyspbro-	368	122	
(S. Cobeguid Slope,	369	123	
and Antigonish	370	120	
Hants and Kings-	371	121	
and Lamebridge	372	122	
Sheldburne, Queens-	373	123	
Amherstolis and Kinc-	374	120	
Halifax and Gyspbro-	375	121	
(S. Cobeguid Slope,	376	122	
and Antigonish	377	123	
Hants and Kings-	378	120	
and Lamebridge	379	121	
Sheldburne, Queens-	380	122	
Amherstolis and Kinc-	381	123	
Halifax and Gyspbro-	382	120	
(S. Cobeguid Slope,	383	121	
and Antigonish	384	122	
Hants and Kings-	385	123	
and Lamebridge	386	120	
Sheldburne, Queens-	387	121	
Amherstolis and Kinc-	388	122	
Halifax and Gyspbro-	389	123	
(S. Cobeguid Slope,	390	120	
and Antigonish	391	121	
Hants and Kings-	392	122	
and Lamebridge	393	123	
Sheldburne, Queens-	394	120	
Amherstolis and Kinc-	395	121	
Halifax and Gyspbro-	396	122	
(S. Cobeguid Slope,	397	123	
and Antigonish	398	120	
Hants and Kings-	399	121	
and Lamebridge	400	122	
Sheldburne, Queens-	401	123	
Amherstolis and Kinc-	402	120	
Halifax and Gyspbro-	403	121	
(S. Cobeguid Slope,	404	122	
and Antigonish	405	123	
Hants and Kings-	406	120	
and Lamebridge	407	121	
Sheldburne, Queens-	408	122	
Amherstolis and Kinc-	409	123	
Halifax and Gyspbro-	410	120	
(S. Cobeguid Slope,	411	121	
and Antigonish	412	122	
Hants and Kings-	413	123	
and Lamebridge	414	120	
Sheldburne, Queens-	415	121	
Amherstolis and Kinc-	416	122	
Halifax and Gyspbro-	417	123	
(S. Cobeguid Slope,	418	120	
and Antigonish	419	121	
Hants and Kings-	420	122	
and Lamebridge	421	123	
Sheldburne, Queens-	422	120	
Amherstolis and Kinc-	423	121	
Halifax and Gyspbro-	424	122	
(S. Cobeguid Slope,	425	123	
and Antigonish	426	120	
Hants and Kings-	427	121	
and Lamebridge	428	122	
Sheldburne, Queens-	429	123	
Amherstolis and Kinc-	430	120	
Halifax and Gyspbro-	431	121	
(S. Cobeguid Slope,	432	122	
and Antigonish	433	123	
Hants and Kings-	434	120	
and Lamebridge	435	121	
Sheldburne, Queens-	436	122	
Amherstolis and Kinc-	437	123	
Halifax and Gyspbro-	438	120	
(S. Cobeguid Slope,	439	121	
and Antigonish	440	122	
Hants and Kings-	441	123	
and Lamebridge	442	120	
Sheldburne, Queens-	443	121	
Amherstolis and Kinc-	444	122	
Halifax and Gyspbro-	445	123	
(S. Cobeguid Slope,	446	120	
and Antigonish	447	121	
Hants and Kings-	448	122	
and Lamebridge	449	123	
Sheldburne, Queens-	450	120	
Amherstolis and Kinc-	451	121	
Halifax and Gyspbro-	452	122	
(S. Cobeguid Slope,	453	123	
and Antigonish	454	120	
Hants and Kings-	455	121	
and Lamebridge	456	122	
Sheldburne, Queens-	457	123	
Amherstolis and Kinc-	458	120	
Halifax and Gyspbro-	459	121	
(S. Cobeguid Slope,	460	122	
and Antigonish	461	123	
Hants and Kings-	462	120	
and Lamebridge	463	121	</td

THUNDERSTORMS—PHENOLOGICAL OBSERVATIONS, NOVA SCOTIA, 1913.

The indices indicate the number of stations from which the Thunderstorms were reported on the day of the year specified.

OBSERVATION REGIONS.

1. Yarmouth and Digby.	2. Shelburne, Queens and Lunenburg.	3. Annapolis and Kings.	4. Hants and South Colchester.	5. Halifax and Guysborough.	6. S. Cobequid Slope (S. Cum. and Col.)	7. North Cum., Col., Pictou and Antig.	8. Richmond and Cape Breton.	9. Bras d'Or Slope (Inv. & Victoria)	10. Inverness Slope to Gulf.		Total Year 1913.
8 ²	7	8 ⁶	8	12	12	3	27			7	33
	13 ²									8 ⁹	
	18		18	18	14					12 ²	
	26		19	19	18					13 ²	
	27 ²		26							14	
31				39						18 ⁴	
				50						19 ²	
		53 ²		53						26 ²	
	65				65					27 ³	
	70					73				31	
74 ²	74 ⁵	75 ⁴	74 ²	75		75 ³	75			39	
75	75			78		84	84 ²			50	
				87		90				53 ³	
				88						63 ²	
				95						64	
				96						65 ¹⁰	
				102						70 ²	
	105					106				73	
		107		107 ³						74 ⁹	
	108									75 ¹¹	
109 ⁸	109 ¹⁹	109	109		110					78	
	110						111			84 ³	
	115	115		115			115			87	
							116			88	
	117 ³	117 ⁵	117 ⁶		117 ²	117 ⁴				90	
										95 ⁴	
										96	
										102	
										105	
										106	
										107 ⁴	
										108	
										109 ²⁶	
										110 ²	
										111	
										115 ⁴	
										116	
										117 ²⁰	

PHENOLOGICAL OBSERVATIONS IN

THUNDERSTORMS—PHENOLOGICAL OBSERVATIONS, NOVA SCOTIA, 1913.

The indices indicate the number of stations from which the Thunderstorms were reported on the day of the year specified.

OBSERVATION REGIONS.

	1. Yarmouth and Digby.	2. Shelburne, Queens and Lunenburg.	3. Annapolis and Kings.	4. Hants and South Colchester.	5. Halifax and Guysboro.	6. S. Cobequid Slope (S. Clun. and Col.)	7. North Cum., Col., Pictou and Antig	8. Richmond and Cape Breton.	9. Bras d'Or Slope (Inv. & Victoria).	10. Inverness slope to Gulf.	Total Year 1913.
		118 ¹²	118 ⁵	118 ⁶	118 ⁴	119 ⁶	119 ⁶	121	121	121	118 ²⁷
	119			119							119 ¹⁰
127	127		127								121 ²
128				129							127 ³
											128
											129
134			134 ²		134			133			133
			135 ²			135					134 ⁴
											135 ³
	139		139 ¹²	139 ⁴		139 ⁹	139	139 ⁴	139 ⁴		139 ³⁵
			140 ²					140	140		140 ⁴
		146					146				146 ²
							147				147
							148 ²				148 ²
149 ⁶	149 ⁷	149 ⁶									149 ¹⁷
153	153 ³		153 ²			153 ³					153 ¹⁰
						155	155				154 ³
	155 ¹⁰	155 ³	155 ³	155 ³							155 ²⁵
		156	156 ²								156 ³
											157
	157										158 ⁶
	158	158 ²	158 ²			158					159 ³
	159		159			159					160
			160								164
											165 ²
167 ⁴	167 ²²	167 ⁷	167 ⁷	167 ⁵	167 ²	167	167	167	167		167 ⁶⁰
			168	168							168 ²
											169 ⁵
	169 ⁵										170 ²⁸
	170 ¹⁹	170	170 ⁷	170 ³		170			170 ²	170 ²	171
			171								172
	172										173 ¹⁷
	173 ²			173				173 ¹⁰	173 ²	173 ²	173 ¹⁷
											176
	178 ⁸	178 ²	178 ²	178	178 ²	176	178				178 ¹⁶
							179				179
											181
			181					185			185
								195			195

THUNDERSTORMS—PHENOLOGICAL OBSERVATIONS, N.S., 1913.—*Continued.*
The indices indicate the number of stations from which the Thunderstorms
were reported on the day of the year specified.

OBSERVATION REGIONS.

1. Yarmouth and Digby.	2. Shelburne, Queens and Lunenburg.	3. Annapolis and Kings.	4. Hants and South Colchester.	5. Halifax and Glysboro.	6. S. Cobequid Slope (S. Cum. and Col.)	7. North Cum., Col. Pictou and Antig.	8. Richmond and Cape Breton.	9. Bras d'Or Slope (Inv. & Victoria).	10. Inverness slope to Gulf,	Total Year 1913.
231						201				201
239 ²	239 ²				202 ²					202 ²
240		240			216					216
					221					221
246	246				222 ²					222 ²
										231
251 ²	251									239 ⁴
										240 ⁶
275		274			247					242
		275	275		242					246 ²
277 ²	277	276			255					247
					270					251 ³
286		281			275					255 ⁴
289 ²			289							270
300					189					274
304		301			290					275 ⁴
					294					276
311					301					277 ³
314		311								281
			315							286
344							308			289 ⁴
										290
										294
										300
										301 ²
										304
										308
										311
										314
										315
										344