

THE PHENOLOGY OF NOVA SCOTIA, 1920.—BY A. H. MacKAY,  
LL.D., Halifax.

These observations were made by the school children of the Province of Nova Scotia as a part of the Nature Study work prescribed. The pupils report by bringing into the school-room the flowering or other specimens when first observed, for authoritative determination by the teacher, who generally credits the first finder by placing the name and the observation on the honor roll section of the blackboard for the day. The teacher, after testing the correctness of the observation, marks it on the schedule with which every teacher is provided—a copy of which is sent in to the Inspector with the school returns at the end of June and January.

The following tables are compiled from 150 of the best schedules out of the 450 sent in. The selections were made and compiled under the direction of Mr. H. R. Shinner, B. A., and Miss Gladys MacLeod, of the Education Department.

The schedules for each year are carefully bound up in large annual volumes which are placed in the Provincial Museum and Science Library, where they can be used by students of climate, etc. The compilers of the phenochrons of the different belts, slopes or regions, have been rural science teachers who have most distinguished themselves as instructors. They were selected for the purpose on the recommendation of the Director of rural science education. The sheets from which the provincial phenochrons are calculated are also bound in annual folio volumes for ease of consultation and preservation.

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 Counties,	(a) South Mts., (b) Annapolis Valley, (c) Cornwallis Valley, (d) North Mts.
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 Straits 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 page 157.



141	144	143	143	144	142	144	153	151	145	19. Prunus Pennsylvanica	152	149	150	147	148	162	148	148	149	159	156	
				145		145	221	230	225	20. "	227					147	147			224	230	
142	140	137	142	141	151	143	145	151	145	21. Vaccinium Can. and Penn.	151	149	146	146	149	148	153	152	150	159	163	
				148			217	238	228	22. "	228					152			223	235		
144	145	158	148	157	156	153	151	157	153	23. Ranunculus acris	157	153	156	152	155	160	157	159	157	164	161	
146	153	161	157	163	163	150	160	169	157	24. R. Repens	163	156	158	164	162	170	166	154	165	173	158	
141	147	141	147	146	145	140	146	159	146	25. Thrill. erythrocarpum	161	143	151	146	148	150	151	149	152	163		
143	146	145	143	150	151	150	149	156	150	26. Rhododendron Rhodora	155	153	154	148	152	154	156	150	154	164	159	
145	151	150	148	150	152	149	150	156	158	27. Cornus Canadensis	157	153	157	159	154	155	161	156	156	160	160	
				148			235		238	28. "	238				151		161		241	235		
144	148	147	147	149	154	144	149	156	15	29. Trientalis Americana	155	150	153	153	152	156	158	155	154	162	162	
146	150	145	139	155	160	146	156	160	150	30. Clintonia borealis	156	151	156	151	160	159	160	154	160	163	154	
157	148		159				159	158	151	31. Calla palustris	165				164		170			168	160	
156	152	157	156	155	165	166	154	156	160	32. Cypripedium acule	161	162	160	151	162	161	167			163	162	
151	156	148	155	158	160	165	159	164	164	33. Sisyrrinchium angustifol.	163	157	162	157	160	163	168	167	164	168	170	
161	162	162	160	167	158	175	157	160	158	34. Linnaea borealis	167	160	167	163	167	172	169	175	168	166	169	
149	158	135	159	162	156	146	153	156	165	35. Kalmia glauca	162	15	162	150	166	168	167			156	161	
155	162	157	153		159	181	156	181	163	36. Kalmia augustifolia	164	160	168	164	161		164			162	170	
160	160	156	172	156	157	166	156	169	175	37. Crataegus oxyacantha	167	165	165	161	175	169	160	163	164	173	176	
163	159	160	151	160	158		157		154	38. Crataegus coccinea, etc.	166	170	163	165	157	166	171			165	168	
161	162	161	165	168	166	161	164	172	170	39. Iris versicolor	170	165	166	167	170	171	177	167	169	176	175	
158	162	159	163	165	165	174	164	172	167	40. Chrysanthemum Leucanth.	171	165	163	169	168	171	174	177	169	176	175	
158	154	167	159	161	169	169	165	163	164	41. Nuphar advena	169	166	167	173	171	165	170	172	169		170	
159	160	156	154	168	157	167	158	159		42. Rubus strigosus	165			162	157	170	162	176	165	165	168	
	213	220				204	195		208	43. "	218	167	170	225	168				215	215		
165	169	167	159	169		180	168	170	159	44. Rhinanthus Crista-galli	174	169	172	174		173		184		175	175	
161	168	160	164	170	160	173	166		172	45. Rubus villosus	171		228	171	170	175	166	180	157		176	
						232	236		234	46. "	242	165	169						240	243		
163	165	168	165	159	163		165	171		47. Sarracenia purpurea	170	174	164	173	169	164			210	170		
169	162	160	150	166	165		164		162	48. Brunella vulgaris	169		173	167	157		171	179	170			
171	169	167	169	175		151	168	205		49. Rosa lucida	170	167	171	173	175	180		153	172	210		
163	165	168	169	170	168	166	170	173		50. Leontodon autumnale	174		177	176	175	175	173	171	171	177		
178	167		145	174	143		168		170	51. Linaria vulgaris	168	145	148			169	148		173		180	
136	138	136	135	139	143	134	137	140	128	52. Trees appear green	147	149	149	144	142	148	147	145	156	151	140	
140	141	144	143	146	149		146	154	153	53. Ribes rubrum (cultivated)	153			148	150	152	155		150	160	158	
144						200	210		205	54. "	214								208	221		
139	145	147	149	146	152	168	147	156	154	55. R. nigrum (cultivated)	156	154	157	152	153	153	159		152	160	159	
						206	194		200	56. "	205								209	201		
144	151	144	149	154	154	149	148	156	154	57. Prunus Cerasus	155	149	156	149	153	160	157	150	152	161	159	
						210	209		209	58. "	214								211	217		
153	153	145	148	154	160	151	149	163	155	59. Prunus domestica	158	152	159	150	156	158	166		154	168	161	
148	150	146	148	153	155	154	154	162	157	60. Pyrus Malus	156	155	157	153	164	160	159	152	154	167	134	
157	161	153	164	162	165	162	156	170	159	61. Syringa vulgaris	166	162	165	162	164	169	166	168	164	172	166	
155	159	158	164	159	165	162	161	161	164	62. Trifolium repens	166	161	165	168	162	167	167	170	167	165	171	
147	154	153	156	160	163	158	160	163	168	63. Trifolium pratense	166	156	161	163	168	164	168	173	167	167	173	
167	147	152	159	173	168		165		165	64. Phleum pratense	168	175	170	135		180	175		172		167	
	187					175	194		185	65. Solanum tuberosum	190				138				180	200		



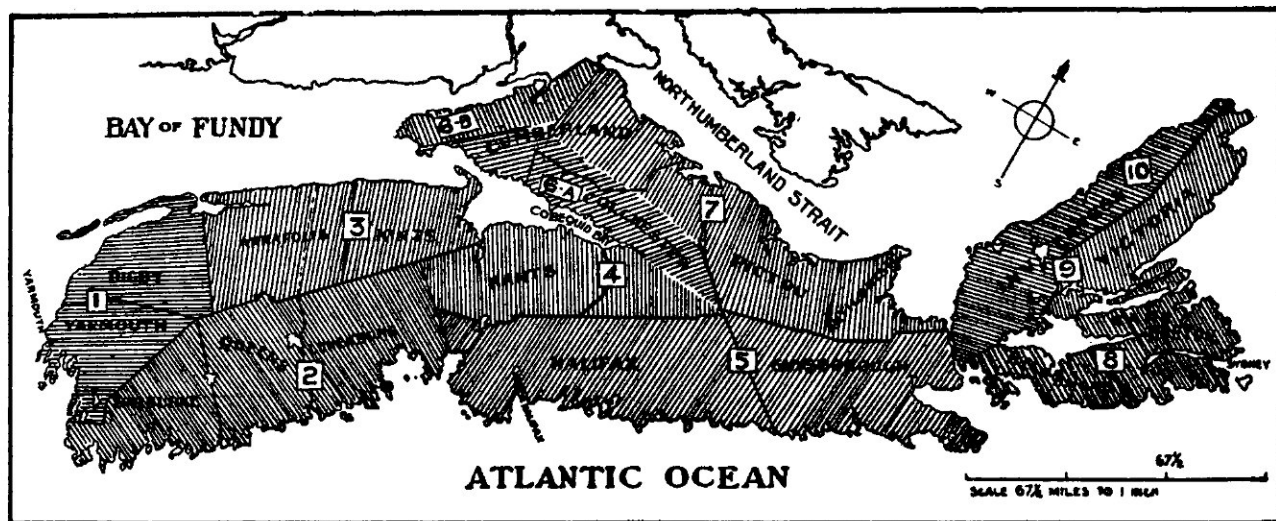
THE LOCAL COMPILERS FOR EACH REGION, 1920.

Region No.

- I. Miss Jennie C Allen
- II. Miss Sadie Miller
- III. Miss Mary Drysdale
- IV. Miss Sadie I. McLellan
- V. Mr. Wilbert Spencer

Region No.

- VIa. Miss Evangeline B. Morrison
- VIIb. Miss Janet M. Carlisle
- VII. Mr. R. Byrus Curry
- VIII. Mr. D. K. Finlayson, B. A.
- IX & X. Miss Armenia H. Rice



THE TEN PHENOLOGICAL REGIONS OF NOVA SCOTIA.





