

THE PHENOLOGY OF NOVA SCOTIA, 1915—BY A. H.  
MACKEY, LL.D.

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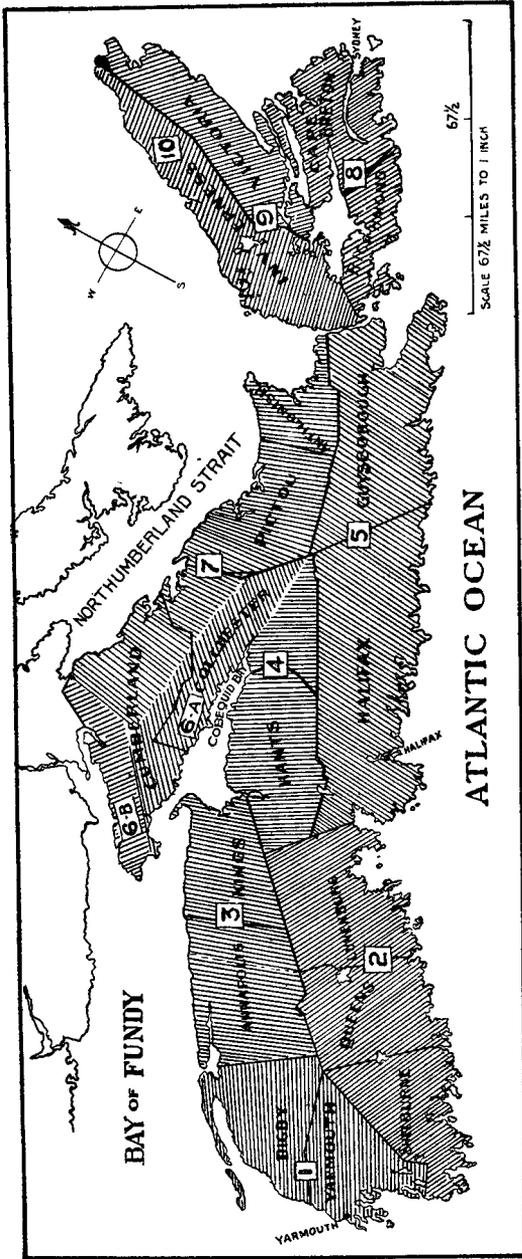
These phenological observations were made in the schools of the province of Nova Scotia as a part of the Nature Study work prescribed. The pupils report or bring in the flowering or other specimens to the teachers when they are first observed. The teachers record the first observation and observer, and vouch for the accurate naming of the species. The schedules from 350 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 selecting and averaging of these schedules was done by Mr. H. R. Shinner, B. A.

The schedules for each year are carefully bound up in a large annual volume which is placed in the Provincial Museum library for the use of students of climatology.

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) Coast, (b) North Mt., (c) Annapolis Valley, (d) Corn- wallis 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 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 the next page.



THE TEN PHENOLOGICAL REGIONS OF NOVA SCOTIA.

THE PHENOLOGY OF NOVA SCOTIA, 1915.

(Compiled from over 350 local observation schedules.)

WHEN FIRST SEEN.		WHEN BECOMING COMMON.	
OBSERVATION REGIONS.		OBSERVATION REGIONS.	
YEAR 1915.		YEAR 1915.	
Day of the year corresponding to the last day of each month.		Average Dates	
Jan. .... 31	July ..... 212	111	104
Feb. .... 59	Aug. .... 243	129	117
March. .... 90	Sept. .... 273	113	100
April. .... 120	Oct. .... 304	120	107
May. .... 151	Nov. .... 334	136	124
June. .... 181	Dec. .... 365	151	131
For leap year add one to each except January.		Average Dates	
1	Yarmouth and Digby	104	111
2	Shelburne, Queens and Lunenburg	111	117
3	Annapolis and Kings	112	120
4	Hants and South Colchester	113	120
5	Halifax and Guysboro	113	120
6	S. (S. Cumb. & Col.)	110	118
7	N. Cumb. Col. Pictou and Antigonish	113	124
8	Richmond and Cape Breton	114	124
9	Bras d'Or Slope, Inverness Slope and Victoria	115	127
10	Inverness Slope to Gulf	115	127
1	<i>Abus incanus</i> , Wild.	111	104
2	<i>Populus tremuloides</i> .	129	117
3	<i>Eragrostis repens</i> , L.	113	100
4	<i>Equisetum arvense</i> .	120	107
5	<i>Sanguinaria Canadensis</i> .	136 <td>124</td>	124
6	<i>Viola blanda</i> .	134	121
7	<i>Viola palmaria, cucullata</i> .	137	124
8	<i>Hepatica trilobata</i> , etc.	142	131
9	<i>Acer rubrum</i> .	133	121
10	<i>Fragaria Virginiana</i> .	137	124
11	<i>Taraxacum officinale</i> , fruit ripe	175	163
12	<i>Erythronium Americanum</i>	159	147
13	<i>Copos triflora</i> .	152	140
14	<i>Clytonia Caroliniana</i> .	143	131
15	<i>Nepeta Glechoma</i> .	141	129
16	<i>Nepeta Glechoma</i> .	149	139







## THUNDERSTORMS—PHENOLOGICAL OBSERVATIONS, NOVA SCOTIA, 1915.

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. 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 1915.
.....	.....	.....	.....	94 <sup>3</sup>	.....	.....	89	.....	.....	89
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	94 <sup>3</sup>
100 <sup>4</sup>	.....	.....	100	.....	.....	.....	.....	.....	.....	100 <sup>5</sup>
101	.....	.....	101	.....	101 <sup>3</sup>	101	.....	.....	.....	101 <sup>5</sup>
.....	.....	.....	.....	.....	.....	106	.....	.....	.....	106 <sup>5</sup>
116 <sup>4</sup>	116	.....	.....	.....	.....	.....	.....	106	.....	116 <sup>5</sup>
117	.....	.....	.....	.....	.....	.....	.....	.....	.....	117
121 <sup>3</sup>	121	.....	.....	.....	.....	.....	.....	.....	.....	121 <sup>4</sup>
.....	.....	.....	.....	.....	.....	.....	.....	122	.....	122
.....	.....	129 <sup>2</sup>	.....	129	129 <sup>2</sup>	129	129	129 <sup>4</sup>	.....	129 <sup>4</sup>
.....	.....	.....	.....	.....	131	131	131	.....	.....	131 <sup>3</sup>
.....	.....	140	.....	.....	140 <sup>2</sup>	140 <sup>3</sup>	.....	.....	.....	140 <sup>5</sup>
.....	.....	.....	.....	.....	.....	141	.....	.....	.....	141
142	.....	142	.....	142 <sup>3</sup>	.....	.....	.....	.....	.....	142 <sup>5</sup>
.....	.....	.....	.....	143	.....	.....	.....	.....	.....	143
.....	.....	144	.....	.....	144	.....	.....	144	.....	144 <sup>3</sup>
.....	145 <sup>5</sup>	.....	.....	.....	.....	.....	.....	.....	.....	145 <sup>5</sup>
147	.....	.....	.....	.....	.....	.....	.....	.....	.....	147
.....	155	.....	.....	.....	.....	.....	.....	152	.....	152
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	155
.....	.....	.....	.....	.....	.....	156	.....	.....	.....	156
159	.....	.....	.....	.....	.....	.....	.....	.....	.....	159
160 <sup>i</sup>	.....	.....	160	.....	.....	160	.....	160	.....	160 <sup>9</sup>
161 <sup>3</sup>	161 <sup>12</sup>	.....	161 <sup>2</sup>	.....	161	.....	.....	161	.....	161 <sup>10</sup>
162	162	.....	.....	.....	162	.....	.....	.....	.....	162 <sup>3</sup>
163	163	.....	163	.....	.....	163	.....	.....	.....	163 <sup>4</sup>
.....	.....	.....	164	.....	.....	.....	164	.....	.....	164 <sup>2</sup>
.....	.....	.....	.....	.....	.....	.....	165 <sup>4</sup>	.....	.....	165 <sup>4</sup>
166	166	166	.....	.....	.....	.....	.....	.....	.....	166 <sup>3</sup>
.....	167	.....	.....	.....	.....	.....	.....	.....	.....	167 <sup>7</sup>
168 <sup>3</sup>	168	.....	.....	167 <sup>2</sup>	.....	167 <sup>4</sup>	.....	.....	.....	168 <sup>4</sup>
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	169
.....	.....	.....	.....	.....	.....	169	.....	.....	.....	169
170	.....	.....	.....	.....	.....	.....	.....	.....	.....	170
171 <sup>4</sup>	171 <sup>4</sup>	171 <sup>4</sup>	171	171 <sup>3</sup>	171 <sup>3</sup>	171 <sup>5</sup>	171	.....	.....	171 <sup>24</sup>
172	172	.....	172	.....	.....	172 <sup>2</sup>	.....	.....	.....	172 <sup>5</sup>
173	.....	.....	173	.....	.....	.....	.....	.....	.....	173 <sup>3</sup>
.....	.....	.....	.....	175	.....	175	.....	.....	.....	175 <sup>2</sup>
.....	176	.....	.....	.....	176	.....	.....	.....	.....	176 <sup>2</sup>
.....	177	177	.....	177	177	177	.....	177 <sup>8</sup>	.....	177 <sup>13</sup>

