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# A Twenty Years Phenological Record of the Spring Flowering Plants of Henry County

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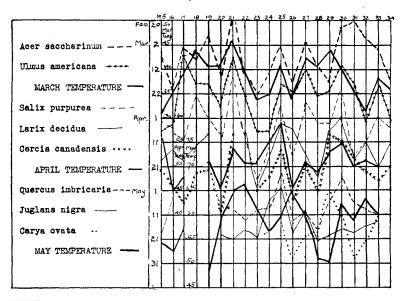
Dodds and Jaques: A Twenty Years Phenological Record of the Spring Flowering Plants

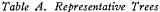
#### A TWENTY YEAR'S PHENOLOGICAL RECORD OF THE SPRING FLOWERING PLANTS OF HENRY COUNTY

#### Ellsworth Dodds and H. E. Jaques

Each spring since 1915 a record of the date of the first appearance of flowers of our seed bearing plants has been kept. This has been handled through a contest <sup>1</sup> with the students in the botany classes. Reports on the comparative dates for some of the more representative species were made in 1918<sup>2</sup> and in 1924.<sup>3</sup>

The present spring completes twenty such annual lists. Every effort has been made to reduce errors of identification and record to a minimum. The human element, of course, enters into it and flowers may not always be reported on the earliest possible date. Competition among the students is so keen, however, that this would not happen often. It should be born in mind that the dates





1 Jaques, H. E. Collecting Contests as a means of increasing student interest in biological subjects. Proc. Ia. Acad. Sci. 38:267-271. 1931. 2 Jaques, H. E. Some Phenological records of spring flowering plants of Henry

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county. Proc. Ia. Acad. Sci. 23:413.415. 1918. 3 Jaques, H. E. A ten year's phenological record of the spring flowering plants of Henry county. Proc. Ia. Acad. Sci. 31:225-227. 1924.

represent first fully opened flowers. In most cases a species would not be at its best for bloom until a week or two later.

In making this report an attempt has been made to select the most representative plants. In table A the variation of flowering dates of some of our common trees is shown in graphic form. In

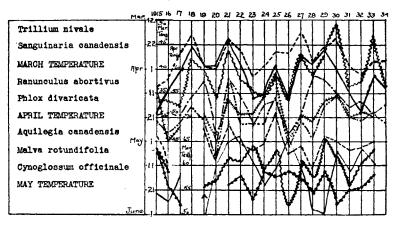


Table B. Typical Herbaceous Plants

the same way some common herbaceous plants are graphed in table B. Both tables show average temperature records by months for each year. These temperature data have been furnished by Mr. John Jericho, official weather bureau reporter. Table C shows the reported date of first flowers of a series of representative plants over the period of twenty years. Our full lists are made up for all plants both native and cultivated that live over winter out of doors or are raised from seed in open ground out of doors. In 1934 we had our largest list of 517 different plants reported up to May 28. The average per year runs around 350 species.

IOWA WESLEYAN COLLEGE, MT. PLEASANT, IOWA.

Dodds and Jaques: A Twenty Years Phenological Record of the Spring Flowering Plants

Table C - Showing	Month and	Dav of F	irst Flowers o	f Some	Representative Species
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			1 A	<u>.</u>			<u> </u>		<u> </u>									1	1			1	
Acer accharioum L. Taraxacum officinale Weber.White or Silver Maple 3.73.73.203.33.82.273.12.237.13.227.13.203.14.33.233.214.33.277.33.214.14.43.222.273.33.61Populus tremuloides Miche Multinus ateriona L. Trillium sizel Ridell.American Appen Marcian Line3.22 $4.6$ $4.3$ $3.8$ $3.17$ $3.27$ $7.3$ $3.27$ $7.3$ $3.21$ $4.4$ $3.22$ $3.8$ $3.14$ $3.22$ $3.18$ $4.4$ $3.22$ $3.23$ $3.14$ $3.22$ $3.23$ $3.14$ $3.22$ $3.23$ $3.14$ $3.22$ $3.23$ $3.14$ $3.22$ $3.23$ $3.14$ $3.22$ $3.23$ $3.14$ $3.23$ $3.114$ $3.22$ $3.23$ $3.24$ $4.3$ $3.22$ $3.23$ $3.14$ $3.23$ $3.114$ $3.22$ $3.22$ $3.23$ $3.24$ $4.3$ $3.23$ $3.14$ $3.23$ $3.14$ $3.23$ $3.14$ $3.23$ $3.24$ $4.4$ <td>Scientific Name of Plant</td> <td>Common Name</td> <td>Average Date</td> <td></td> <td>1916</td> <td>1917</td> <td>1918</td> <td>1919</td> <td>1920</td> <td>1921</td> <td>1922</td> <td>1923</td> <td>1924</td> <td>1925</td> <td>1926</td> <td>1927</td> <td>1928</td> <td>1929</td> <td>1930</td> <td>1931</td> <td>1932</td> <td>1933</td> <td>1934</td>	Scientific Name of Plant	Common Name	Average Date		1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
Acer accharioum L. Taraxacum officinale Weber.White or Silver Maple 3.73.73.203.33.82.273.12.237.13.227.13.203.14.33.233.214.33.277.33.214.14.43.222.273.33.61Populus tremuloides Miche Multinus ateriona L. Trillium sizel Ridell.American Appen Marcian Line3.22 $4.6$ $4.3$ $3.8$ $3.17$ $3.27$ $7.3$ $3.27$ $7.3$ $3.21$ $4.4$ $3.22$ $3.8$ $3.14$ $3.22$ $3.18$ $4.4$ $3.22$ $3.23$ $3.14$ $3.22$ $3.23$ $3.14$ $3.22$ $3.23$ $3.14$ $3.22$ $3.23$ $3.14$ $3.22$ $3.23$ $3.14$ $3.22$ $3.23$ $3.14$ $3.23$ $3.114$ $3.22$ $3.23$ $3.24$ $4.3$ $3.22$ $3.23$ $3.14$ $3.23$ $3.114$ $3.22$ $3.22$ $3.23$ $3.24$ $4.3$ $3.23$ $3.14$ $3.23$ $3.14$ $3.23$ $3.14$ $3.23$ $3.24$ $4.4$ <td>Galanthus Elwesii Hook F.</td> <td>Giant Snowdrop</td> <td>3-3</td> <td>3-9</td> <td>3-11</td> <td>2-26</td> <td>3-8</td> <td>2-22</td> <td>2-23</td> <td>2-28</td> <td>3-13</td> <td>3-7</td> <td>3-7</td> <td>3-6</td> <td>2-12</td> <td>2-23</td> <td>2-29</td> <td>3-14</td> <td>2-18</td> <td>3-13</td> <td>3-25</td> <td>2-22</td> <td>3-7</td>	Galanthus Elwesii Hook F.	Giant Snowdrop	3-3	3-9	3-11	2-26	3-8	2-22	2-23	2-28	3-13	3-7	3-7	3-6	2-12	2-23	2-29	3-14	2-18	3-13	3-25	2-22	3-7
Taraxacum officinale Weiter.Common Dandelion3-14-44-22-291-292-241-292-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-202-241-281-243-233-233-233-243-243-243-233-233-233-243-233-243-233-233-233-243-233-243-233-243-233-243-233-243-233-233-243-233-243-233-243-24 <td></td> <td>White or Silver Maple</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2-27</td> <td>3-17</td> <td>2-16</td> <td>3-13</td> <td></td> <td></td> <td></td> <td>3-18</td> <td>2-28</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		White or Silver Maple						2-27	3-17	2-16	3-13				3-18	2-28							
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$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	-	American Elm																3-21	3-10				
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Populas delicides Marsh. Acer Negunda L. Sangunaria canadensis L. Anemonel Malbur Mutt. Pravina Bidum Nutt. Fravine Makerobin Ranuculus abortivus L. Polenonium reptans L. Polenonium (L) Schott.44	Bernh.	Dutchman's Breeches	4-8	4-12	4-5	4-10	4-1	3-31	4-13	4-4	4-10	4-13	4-14	4-9	4-19	4-4	4-4	4-4	4-4	4-13	4-11	4-8	4-9
AcerNegundo L. Sangunaria canadensis L. Amemonella thalictroides (L)Biodroot $4 \cdot 14$ $4 \cdot 19$ $4 \cdot 24$ $4 \cdot 19$ $4 \cdot 13$ $4 \cdot 11$ $4 \cdot 19$ $4 \cdot 13$ $4 \cdot 11$ $4 \cdot 19$ $4 \cdot 13$ <	Populus deltoides Marsh.	Cotton-wood	4-8			4-13	4-2																
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