7. A List of Chromosome Numbers in Angiospermous Plants VII.

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In the following list the meiotic numbers of chromosomes in 43 plants, belonging to 8 families recently studied, are enumerated.

In *Phyteuma* we know various numbers of meiotic chromosomes which confirm the fact that it consists of several groups. There seems to be two groups in the sec. Hedranthum: one the $n=18$ group and the other the $n=13$ group to which *P. nigrum* and *P. Halleri* belong.

And the $n=12$ and $n=17$ groups are found in the sec. Podanthum, although systematists have not been concerned with these.

Phyteuma lobelioides belongs to the former group and *P. campanuloides* to the latter. More comprehensive karyological descriptions with illustrations will be published later.

The plants used were all raised from seeds which were kindly supplied by the chief botanical gardens in Europe, to the authorities of which the writer wishes to express his best thanks.

The division of the pollen mother cells in all plants here listed was carried out by the furrowing method*.

Plants investigated	Chromosome number (n)	Plants investigated	Chromosome number (n)
Campanulaceae		<i>P. Halleri</i>	13
<i>Adenophora liliifolia</i>	51	<i>P. nigrum</i>	13
<i>Campanula caespitosa</i>	34	<i>Prismatocarpus strictus</i>	17
<i>C. calaminthifolia</i>	17	<i>Symphyandra Hoffmannii</i>	17
<i>C. celtidifolia</i>	17		
<i>C. cervaria</i>	15	Gesneriaceae	
<i>C. Hostii</i>	34	<i>Streptocarpus grandis</i>	16
<i>C. laciniata</i>	51	<i>S. Haygarthii</i>	16
<i>C. lanata</i>	17		
<i>C. multifoliata</i>	17	Lamiaceae	
<i>C. Poscharskyana</i>	17	<i>Nepeta stachyoides</i>	9
<i>C. psilostachya</i>	17	<i>Salvia ethiopica</i>	8
<i>C. sarmentosa</i>	17		
<i>C. subpyrenaica</i>	8	Plumbaginaceae	
<i>C. tomentosa</i>	17	<i>Statice Thouinii</i>	8
<i>Hedraeanthus graminifolius</i>	16	<i>S. superba</i>	8
<i>H. tenuifolius</i>	16	<i>Armeria arctica</i>	9
<i>Isotoma longiflora</i>	14	<i>A. baetica</i>	9
<i>Phyteuma campanuloides</i>	17	<i>A. berlengensis</i>	9
<i>P. lobelioides</i>	12	<i>A. cariensis</i>	9

* Sugiura, T. 1936 b. Studies on the Chromosome Numbers in Higher Plants, with Special Reference to Cytokinesis, I. Cytologia, 7.

Plants investigated	Chromo- some number (n)	Plants investigated	Chromo- some number (n)
<i>A. scabra</i>	9	<i>L. setaceum</i>	9
<i>Plumbagella micrantha</i>	6		
<i>Ceratostigma plumbaginoides</i>	9	Capparidaceae	
		<i>Cleome violacea</i>	9
Guttiferae			
<i>Hypericum elodioides</i>	8	Aizoaceae	
		<i>Mesembryanthemum Cooperi</i>	36
Linaceae		<i>M. rigidicaule</i>	9
<i>Linum gallicum</i>	10	<i>Mollugo stricta</i>	9