

Solanaceae		
<u>Lycium ferocissimum</u>	Enlarged buds	Unknown
Convolvulaceae		
<u>Calystegia spp.</u>	Leaf pouch galls	<u>Vasates calystegiae</u> (Gall mite)
Scrophulariaceae		
<u>Hebe spp.</u>	Stem galls	Gall midge
	Leaf galls	<u>Dasyneura hebefolia</u> (Gall midge)
Myoporaceae		
<u>Myoporum laetum</u>	Stem gall	Gall midge
	Witches broom and stem swelling	<u>Aecidium myopori</u> (Fungus)

(Families are listed in the order they appear in Allan's Flora)

REFERENCE:

- K.P. LAMB, 1960. A Check List of New Zealand Plant Galls (Zooecidia). Trans. Roy. Soc. N.Z. 88 : 121-139.

MANY HEADED CELMISIA

Celmisia spectabilis var. magnificia

Y. Elder

On one of my many enjoyable outings with the Editor and his wife, we went wandering up the Stour River in the Ashburton Gorge amongst the celmisias. Some of the members will know "the host" of white celmisias covering the hill-sides in this area. Not very far from the bridge we came upon a plant with multi-headed flowers, three or more capitula to a scape. In this clump there were about six scapes with several capitula on each.

Later, Dr. Moore and I returned to collect a specimen and seed and did a survey of about a half hectare in which we found five

similar plants. Details of three are given in the following table:

Number of Flowers (capitula) per scape	1	2	3	4	5	Total
Plant 1		2	1			3
Plant 2		12	4	1		17
Plant 3		10	7		4 2	23
Total		24	12	1 4	2	43

Specimens have been deposited with the Botany Division Herbarium, Lincoln.

These were very healthy plants with good flowers of about 2.5 - 4. cm. across. Mrs. Bulfin found a two headed form further up the Ashburton Gorge. In the N.Z.J. Bot. 11, p. 795. Dec. 1973, Dr. Given states "Occasional plants of *Celmisia* with capitula borne in the axils of scape bracts ... The phenomenon is commonest in *Celmisia coriacea* and its allies and a plant of *C. coriacea* being grown at Botany Division, D.S.I.R., has produced capitula in the axils of scape bracts for three successive years".

I only wish more time had been available to go further up the river to see if these plants were spread throughout the area. It's pleasant thinking - John and Phyllis and I may go back next flowering season.

*
* SINCLAIR, Dr. Andrew *
*
* "Near the banks of the river, just where it emerges from *
* the Alps, with their perpetual snow fields glistening in *
* the sun, amid Veronicas and Senecios and covered with *
* *Celmisias* and *Gentians*, there lies his lonely grave". *
* Geol. Cant. & West. p.12. *
*
* "In 1861, on his first Alpine exploration, von Haast *
* was accompanied by Dr. A. Sinclair, an ardent botanist *
* who was unfortunately drowned in fording the Rangitata". *
* Nat. Hist. Cant. p.98 and Opposite. *
*
