

COMPARED SIZE OF
P. racemosa, *P. trifoliata*, *P. mainensis*.

Height in cm.	RACEMOSA		TRIFOLIATA		MAINENSIS	
	Number	Product	Number	Product	Number	Product
15	2	30	..	..	..	..
16	..	..	..	..	..	..
17	2	34	2	34	..	..
18	2	36	..	..	..	..
19	2	38	2	38	..	..
20	..	..	4	80	..	..
21	2	42	1	21	..	..
22	..	..	1	22	..	..
23	..	..	4	92	..	..
24	3	72	1	24	..	..
25	..	..	..	..	..	..
26	..	..	2	52	..	..
27	1	27	..	..	1	27
28	..	..	1	28	..	..
29	..	..	1	29	1	29
30	1	30	..	..	..	..
31	..	..	..	..	..	..
32	..	..	1	32	1	32
33	..	..	..	..	..	..
34	..	..	..	..	..	..
35	..	..	..	..	..	..
36	..	..	..	..	1	36
37	..	..	..	..	..	..
38	..	..	..	..	1	38
39	..	..	..	..	1	39
40	..	..	..	..	..	..
41	..	..	..	..	2	82
Total.....	15	309	20	452	8	283
Mean.....	20.6 cm.		22.6 cm.		35.3 cm.	

The series of specimens is not numerous enough to show very clearly a curve of Quetelet, but what stands prominently is the fact that *P. mainensis*, the hybrid, is taller by 63 per cent. than the parent species (figuring on the means). What are the causes of this increased luxuriance? They are yet a matter of research. Tischler and Jost (*) agree that it is probably due to a "poisoning" effect of one species on the other.

LEAVES.

We have not been able to see the radical leaves of *P. mainensis* of which Gray makes so much in the above-mentioned description, but we observe that the lowest stem leaves taper into a winged petiole which sometimes reaches 10 cm. Most re-

*"Arch. Zellforschung," I., 33-151, 1968.