

1950

Chromosome Numbers of Some Western American Plants, I

Lee W. Lenz

Follow this and additional works at: <https://scholarship.claremont.edu/aliso>



Part of the [Botany Commons](#)

Recommended Citation

Lenz, Lee W. (1950) "Chromosome Numbers of Some Western American Plants, I," *Aliso: A Journal of Systematic and Floristic Botany*. Vol. 2: Iss. 3, Article 6.

Available at: <https://scholarship.claremont.edu/aliso/vol2/iss3/6>

CHROMOSOME NUMBERS OF SOME WESTERN AMERICAN PLANTS, I

LEE W. LENZ

It is planned that from time to time chromosome counts will be reported in El Aliso for species, mainly of California plants, whose chromosome numbers have not been previously reported or are at variance with counts already published. In all cases herbarium specimens have been made of material from which the counts have been taken and these are deposited in the Rancho Santa Ana Botanic Garden herbarium. Camera lucida drawings have been made for all counts reported and these will be published along with the counts. In most cases permanent slides have been prepared and are available for study by other investigators. Unless otherwise stated all counts were made by the author.

Name	Chromosome no.	Locality	Collection no.
<i>Agave deserti</i> Engelm.	$2n = 60$	San Diego Co.	Everett 7561
<i>Agave Shawii</i> Engelm.	$2n = 60$	Southwest San Diego Co.	Wolf 2660
<i>Nolina Parryi</i> Wats.	$n = 19$	Claymine Canyon, Orange Co.	Howell 467
<i>Iris Munzii</i> Foster	$2n = 40$	Near Springville, Tulare Co.	Lenz 14418
<i>Iris tenax</i> Parish var. <i>australis</i> Foster	$n = 20$	Near Lake Arrowhead, San Bernardino Co.	Lenz 13457
<i>Dendromecon rhamnoides</i> Greene	$n = 28$	Catalina Island, Los Angeles Co.	Wolf 4227
<i>Fremontia californica</i> Torrey var. <i>viridis</i> Harvey	$n = 20$	Red Bluff-Susanville Road, Tehama Co.	Wolf 11059
<i>Penstemon eximius</i> Keck	$n = 8$	Near El Marmol, Baja California	Munz 13383
<i>Antirrhinum ovatum</i> Eastw.	$2n = 16$	Eastern San Luis Obispo Co.	Lenz 14889

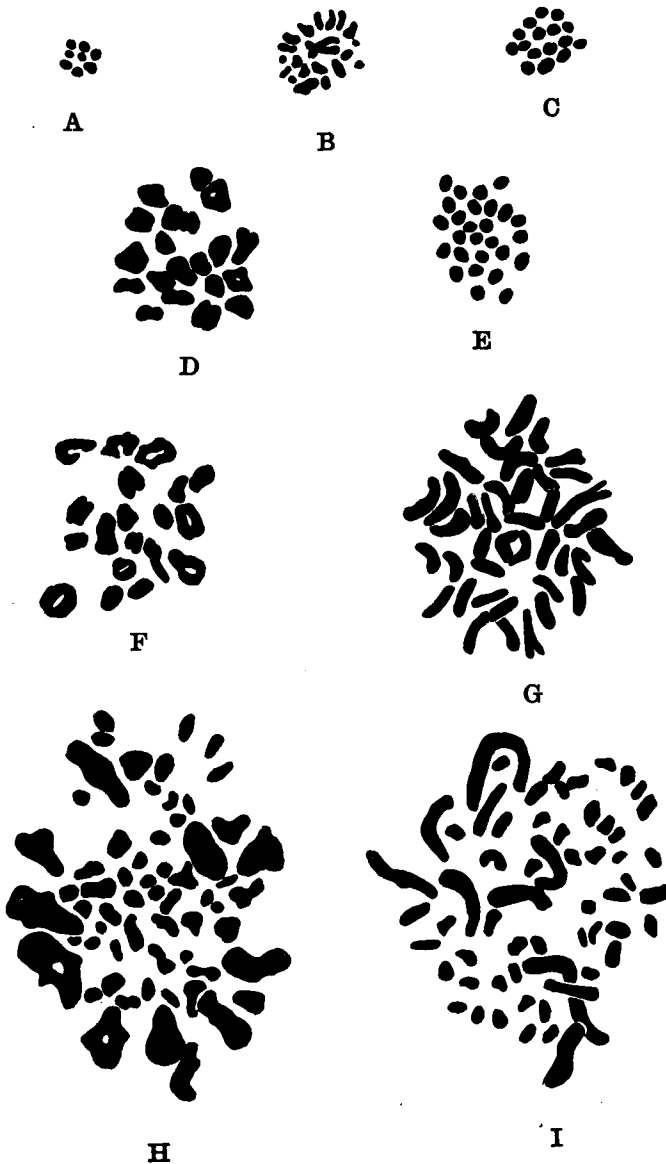


Fig. A-I. All PMC smears. Fig. A. *Penstemon eximius*, M I, $n = 8$. Fig. B. *Fremontia californica* var. *viridis*, M II, $n = 20$. Fig. C. *Antirrhinum ovatum*, M I, $2n = 16$. Fig. D. *Iris tenax* var. *australis*, M II, $n = 20$. Fig. E. *Dendromecon rhamnoides*, M II, $n = 28$. Fig. F. *Nolina Parryi*, M II, $n = 19$. Fig. G. *Iris Munzii*, M I, $2n = 40$. Fig. H. *Agave deserti*, M I, $2n = 60$. Fig. I. *Agave Shawii*, M I, $2n = 60$.

(All drawings made at bench level $\times 1800$, reduced to $\times 900$.)