

*GLINUS RADIATUS* (AIZOACEAE), CHROMOSOME COUNT AND RANGE EXTENSION TO ARIZONA.—*Glinus radiatus* (Ruiz & Pav.) Rohrb. is a low, spreading, stellate-tomentulose, annual herb that occurs on banks of intermittent pools in desert habitats in Mexico, West Indies, Central America, South America, and Texas (Correll and Correll, *Aquatic and wetland plants of southwestern United States*, 1972). A collection from Baja California (Brandeggee, no station cited) is mentioned by Wilson (N. Amer. Fl. 21:271. 1932) and Shreve and Wiggins (*Vegetation and flora of the Sonoran Desert*, 1964). This genus is not included in *Arizona flora* (Kearney and Pebbles, 1960), nor are any previous Arizona collections of *Glinus* on deposit in major Arizona herbaria. A small population of *G. radiatus* was recently discovered in Arizona: Maricopa Co., SE corner of sec. 2, T. 3N, R. 6E, Fort McDowell Quadrangle (USGS 7.5 minute series), 465 m, 22 Jun 1975, Lane L1576 and L1578, ASU. The plants grew on slightly alkaline, gravelly, clay and loam soil on banks of an abandoned stock tank.

In October, 1975, an additional collection was made from the same population (Keil and Lane L1785, ASU), and buds were fixed in 4 chloroform: 3 ethanol: 1 glacial acetic acid (v:v), and stored in 70% ethanol. Anthers were stained in iron-acetocarmine and squashed in Hoyer's medium. The chromosome number was determined from meiotic microsporocytes to be  $n = 9$ . Mitra and Datta (Taxon 16:455. 1967) reported  $n = 18$  for *G. lotoides* L. and *G. oppositifolia* (L.) DC.; Subramanyam and Kamble (Taxon 16:343. 1967) reported the same number for the latter species. This first count for *G. radiatus* indicates that the base number for the genus is  $x = 9$ .

We are grateful to Dr. D. J. Pinkava and Mrs. Elinor Lehto for their recognition of the original collection (Lane L1576) as a species not previously recorded for Arizona. MEREDITH A. LANE and DAVID J. KEIL, Department of Botany and Microbiology, Arizona State University, Tempe 85281.

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Lane, Meredith A and Keil, David J. 1976. "Glinus radiatus (Aizoaceae), Chromosome Count and Range Extension to Arizona." *Madroño; a West American journal of botany* 23, 457–457.

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