HAULES

## SOME INTERESTING RARE CYPERACEAE OF GUJARAT AS NEW RECORDS FOR THE ERSTWHILE BOMBAY PRESIDENCY

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Our knowledge about the Cyperaceae of the Bombay Presidency is through the works of Cooke (1908), Sedgwick (1918-1921) and Blatter and McCann (1934), Sabinis (1962) has accounted for the Cyperaceae of Gujarat. However, none of these authors has recorded Eleocharic congesto Don. and Scirpus jacobi Fischer. They are therefore reported bere.

Eleocharis congesta D. Don, Prodr. FJ. Nepal. 41, 1825; Clarke in Fl. Brit. Ind. 6: 630, 1893; Kern in Reinwardtia 6: 35, 1961. E. affiata Steud.; Clarke in Fl. Brit. Ind. 6: 629, 1893.

This species is distributed in hilly regions of Knihmri, Kumaon, Chhotanagpur and Nilgirils. Its occurrence in Gujarat is interesting, collected from Saurashtra near Junagadh (Vazifdar, without no.). In the herbarium of National Botanie Gardens, Lucknow, sheets hearing accession numbers 21172, 21174, 21216 and 35441 (all from Saurashtra) have also been indentified as Eleocharis concepts D. Don. After a critical examination of these sheets the only sheet bearing accession number 21172, collected by Kaul and party on 17-4-1954 with collector's number 9091, is correctly identified as E. congests D. Don. Other sheets are Eleocharia arrapropuers Kunth. From these data, it is clear that the present species definitely occurs in Saurashtra but it in extremely rate. It is not listed by Sautapau and Janardhanan, in Flora of Saurashtra—Check his, 1946.

This apecies at the first sight may be mistaken for E. pulsareix R. Br. with which it coming a sight appearance but the obsoroid trigonous nut, three stigmas and the persistent coming style base are typical of E. congesto D. Don.

Scirpus jacobi Fischer in Kew Bull. 1931: 103 and Gamble, Ft. Madras. Pres. 1156. 1957 (reprinted).

This species is collected from moist places along margins of temporary ponds and ditches in Sabarkanths district. North Gujurat (Paraol 26, 5-2-1970) and Linuxeda in Panchmahals district, Keat Gujarat Bhatt 2124, 19-12-71). It is not frequent. It may be confused with S. orticulatur Lo, with which it resembles in general appearance. The two species can, however, he distinguished by the following key.—

Slender, 15-30 cm tall, stem unseptate or faintly septate when dry; septa when present distant, unconstricted or faintly constricted; sheaths close; spikelets very near the base of the stem, 0.7-1.0 cm across, not situated at the mouth of the sheath; glume not keeled; not 0.1-0.12 cm long, obtusely trigonous, with 8-10 strong transvers, undulate ridges S. Jacobi

Robust, 0.60 cm tall; stem septate when dry; septa close, constricted; sheath lax, spikelets 1-4.5 cm across; generally relatively much higher above the base of the stem, mostly situated at the mount of the sheath or elightly above it; glume keeled, and 0.14-0.36 cm long, obtusely trignous, with 16-20 more or loss pronounced transverse wavy lines S. articulatus.

Fischer in Gamble's Flora of Madras describes the position of the spikes as "arthing immediately above the mouth of the sheath". In our specimens (preserved in FAA and herbarium specimens), however, the spikelets are distinctly situated about the middle or in basal part of sheaths. It is interesting to note that Gujarat is the sole locality of its distribution outside the entwhile Madeas Presidency.

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