

MISCELLANEOUS NOTE

21. LARGE SCALE INCIDENCE OF SEXUAL ABNORMALITY IN THE FROG *RANA TIGERINA*

Isaac (1969)¹ reported a case of sexual abnormality in the skipper frog *Rana cyanophlyctis*, where a female frog had vocal sacs and nuptial pads. During a demonstration of urinogenital system to students, we have come across 15 specimens of *Rana tigerina* with sexual abnormality in a total of 75 specimens. All the 15 specimens were males with well developed testis, vocal sacs and nuptial pads. But, all of them had fully developed oviducts opening in to the cloaca. No other anatomical abnormality

could be noticed excepting that the testes are slightly longer when compared to normal individuals. Each testis is spindle shaped, yellowish, measuring about 11 mm in length. It is presumed that all these abnormal individuals are functional males, though they have well developed oviducts. There is no trace of ovary, however. One of the specimens, measuring 95 mm from snout tip to vent, has been deposited in the Zoology Museum, D.N.R. College.

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¹ ISAAC, S. (1969): Presence of vocal sacs in a female skipper frog *Rana cyanophlyctis* Schneider. *J. Bombay nat. Hist. Soc.* 66(3): 635.