NOTE

AN OBSERVATION OF HOMOSEXUAL FELLATIO IN THE INDIAN FLYING FOX *Pteropus medius* (Temminck, 1825) (Mammalia: Chiroptera: Pteropodidae)

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An observation of homosexual fellatio in the Indian Flying Fox 
*Pteropus medius* (Temminck, 1825) (Mammalia: Chiroptera: Pteropodidae)

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Apart from a small number of primate species, bats appear to be unique in the animal world in practising oral sex. These acts include fellatio (Tan et al. 2009; Sugita 2016) and cunnilingus (Maruthupandian & Marimuthu 2013) with observations suggesting that such behaviours are usually carried out between heterosexual pairs to help improve fertilization. In addition to oral sex, bats are unusual in engaging in homosexual acts, the utility of which appear to have generated considerable discussion with no understanding yet as to why bats might engage in such sexual behaviour (Kunz & Hosken 2009). Homosexual behaviour included mounting and jousting, and observations indicate that genital licking was limited to pairs of subordinate males (Riccucci 2011). Homosexual fellatio has been observed in bats but appears to be rare and has been observed only in one species, the Bonin Flying Fox *Pteropus pselaphon* (Sugita 2016). In Indian bats, oral sex has been observed in heterosexual pairs (Maruthupandian & Marimuthu 2013), and homosexual behaviour with males mounting other males has been observed in captivity (see references in Riccucci 2011). Sexual behaviours are poorly documented in Indian bats owing to the difficulty of observing bats that roost in dark spaces making direct observations challenging. In this note, we describe an observation of homosexual fellatio in the Indian Flying Fox *Pteropus medius* (formerly *P. giganteus*).

On 17 March 2020, we visited Nagawli lake beside the village of Nagawli in Chittagpur District of southern Rajasthan. A roosting colony of Indian Flying Foxes used large mango trees that bordered the lake and numbered ~300 individuals. One pair of bats roosted away from other bats and attracted our attention by their regular jousting. This included beating each other with their patagium, wrestling with the patagium wrapped around each other, and snapping at each other’s faces. Between sessions of jousting, one male bat performed repeated acts of fellatio on the second bat (recipient). This included licking the recipient on the scrotum (Image 1a), licking the shaft and tip of the penis (Image 1b), and twice taking the penis into his mouth between episodes of licking the tip (Image 1c). Both bats also licked their own penises intermittently (Image 1d), and the recipient never performed fellatio on the other male bat. The bat performing the fellatio appeared to get aroused starting with a flaccid penis at the beginning of the interaction (Image 1a) and gained a prominent erection within a few seconds (Image 1d). The recipient had an erect penis when interactions began (not photographed) and a flaccid penis after fellatio began (Image 1), however, the recipient did not do anything to stop the fellatio, instead it kept closing its eyes briefly (Image 1b). The two bats also groomed themselves and each other during the interaction that lasted about three minutes (0959 to 1002 h). Observations were disturbed...
Homosexual fellatio in Indian Flying Fox

Sundar & Kittur

Homosexual fellatio has not previously been described in the Indian Flying Fox though a number of published studies are available on the copulatory and other sexual behaviours of this species (Koilraj et al. 2001; Maruthupandian & Marimuthu 2013; Kumar et al. 2017). Male-male fellatio has been observed and described in the closely related Bonin Flying Fox, where males licked scrotum and the erect penis of other males in the colony (Sugita 2016). Our observation had a few novel features in that only one of the bats performed the fellatio and also gained an erection during the act. Taking the penis into the mouth was also exceedingly unusual and has probably not been observed before in bats. Female-male fellatio appears to be correlated to copulation length signifying a clear function (Tan et al. 2009). Homosexual fellatio, on the other hand, is rare and is suspected to help males resolve aggressive relationships within colonies (Sugita 2016). We echo past assertions that many more behavioural studies are needed on Indian and other bats and will be crucial in enhancing the growing number of suspicions regarding bat socio-biology.

References


Image 1. Series of photographs showing homosexual fellatio performed by a male Indian Flying Fox in Chittaurgarh District, Rajasthan, India. © K.S. Gopi Sundar.
**Communications**

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– Subrat Debata & Kedar Kumar Swain, Pp. 15767–15775

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– Prayash Ghimire, Nirjala Raut, Pragya Khanal, Suman Acharya & Suraj Upadhaya, Pp. 15776–15783

Diversity and synanthropy of Diptera (Calypttratae) from Ecuador, with new records for the country

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– Thal Prasad Koirala, Bal Krishna Koirala & Jaganath Koirala, Pp. 15794–15803

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– Kalyan Mukherjee & Ayan Mondal, Pp. 15804–15816

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– Sanjay Sondhi, Balakrishnan Valappil & Vidya Venkatesh, Pp. 15817–15827

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– Piyush Vadher, Hitesh Kardani & Imtiyaz Beleem, Pp. 15835–15851

Additional description of the Algae Hydroid *Thyroscyphus ramosus* (Hydrozoa: Leptothecata: Thyroscyphidae) from Palk Bay, India with insights into its ecology and genetic structure

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– Jashanpreet Kaur, Rajni Sharma & Pushp Sharma, Pp. 15864–15880

Morphological and molecular phylogenetic studies on *Battarrea phalloides* (Agaricales): a new report to Indian mycobiota

An additional record of the Tamdil Leaf-litter Frog
– Cameron Wesley Hodges, Anji D’souza & Sira Jintapirom, Pp. 15947–15950

Diurnal observation of a Malayan Krait

Thirty-nine newly documented plant species of Great Nicobar, India

**Notes**

An observation of homosexual fellatio in the Indian Flying Fox
– A.V. Abhijith & Shomen Mukherjee, Pp. 15916–15921

**Avifaunal diversity of Tilyar Lake, Rohtak, Haryana, India**

**Life-history traits and courtship behaviour of four poorly known endemic bush frogs (Amphibia: Anura: Rhacophoridae) from the Western Ghats of India**
– A.V. Abhijith & Shomen Mukherjee, Pp. 15916–15921

**A first record of *Camacinia harterti* Karsch, 1890 (Odonata: Libellulidae) from Arunachal Pradesh, India**
– Arajush Payra, K.A. Subramanian, Kailash Chandra & Basudev Tripathy, Pp. 15922–15926

**Occurrence of *Fulgaoecia (= Epircinia) melaneloeula* (Lepidoptera: Epipyropidae) as a parasitoid of sugarcane lophopid planthopper *Pyrrila perpusilla* in Tamil Nadu (India) with brief notes on its life stages**

**A preliminary survey of soil nemafauna of Bhagwan Mahaveer Wildlife Sanctuary, Goa, India**

**An additional record of *Camacinia harterti* Karsch, 1890 (Odonata: Libellulidae) from Arunachal Pradesh, India**
– Arajush Payra, K.A. Subramanian, Kailash Chandra & Basudev Tripathy, Pp. 15922–15926

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– Jashanpreet Kaur, Rajni Sharma & Pushp Sharma, Pp. 15864–15880

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**Records of dragonflies and damselflies (Insecta: Odonata) of Dipang Lake, Mizoram, India**

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**Henry’s Rattan Calamus henryanus Becc.**
– Selim Mehmed & Himu Roy, Pp. 15962–15966