## THE FORGOTTEN POLLINATORS – FIRST FIELD EVIDENCE FOR NECTAR-FEEDING BY PRIMARILY INSECTIVOROUS ELEPHANT-SHREWS

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Pollination of plants bv non-flying mammals, such as mice (rodents, Rodentia), a rarely observed phenomenon. Previously, elephant-shrews (Macroscelidea. Afrotheria), small African mammals looking similar to mice, but not being related to them, were believed to be purely insectivorous. Occasional flower visits of elephant-shrews in captivity were interpreted as a by-product of the search for insects. Only recently, it was demonstrated that under lab conditions elephant-shrews regularly lick nectar from flowers. However, of field observations flower-visiting elephant-shrews and their role pollinators were completely missing. In this study, I present the first evidence for flower visits and nectar consumption for elephantshrews in the field. With video camcorders and infrared lights I recorded Cape rock elephant-shrews (Elephantulus edwardii) beside Namaqua rock mice (Micaelamys namaquensis) visiting flowers of the Pagoda lily (*Whiteheadia bifolia*, Asparagaceae) conditions under natural in the Namagualand of South Africa. With their very long tongues, the elephant-shrews the flowers non-destructively, visited definitely licking nectar, but not feeding on insects. The footage clearly shows that the elephant-shrews' fur around their long noses touches the pollen-sacs and the stigmas of the flowers and that the animals' fur is being dusted with pollen. As the elephant-shrews visited several flowers of different plants, it is obvious that they transfer pollen between the plants. This observation contributes to the knowledge about the behaviour of these representatives of a unique clade of small African mammals – especially in their natural habitat.



A Cape rock elephant-shrew licks nectar from flowers of the Pagoda Lily growing in rock crevices in the Namaqualand of South Africa. Image from infrared video footage.