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# BIONOTES

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Cover Photo by Parixit Kafley of *Balinta octonotata*

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## REPORT ON THE OCCURRENCE OF THE CICADAS *POMPONIA CINCTIMANUS* WALKER, 1850 AND *DUNDUBIA* *ANNANDALEI* BOULARD, 2007 FROM MIZORAM, INDIA

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MALSAWMDAWNGLIANA<sup>3</sup> & H.T LALREMSANGA<sup>4</sup>**

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*Reviewer: Sudhanya Ray Hajong*

The diversity and distribution of cicadas within the state of Mizoram has been poorly studied and this report adds new distribution records to the cicada fauna of the state as well as two species - *Dundubia hastata* Moulton, 1923 and *Tosena splendida* Distant, 1878., formerly reported by Marathe *et al.* (2021).

The occurrence of *Pomponia cinctimanus* Walker, 1850 and *Dundubia annandalei* Boulard, 2007 is reported for the first time from the state of Mizoram, India. *P. cinctimanus* are characterized by their greenish head, pronotum and mesonotum along with pale green coloration on the ventral head, sternum and operculum. Abdomen dark ochraceous and the tegmina and wings are pale hyaline in colour (Distant, 1892). Their distribution included Bangladesh (Marathe *et al.* 2021) along with Assam, India and Vietnam (Price *et al.* 2016). The occurrence of *D. annandalei* in India was recently established by Sarkar *et al.* (2020). The species can be identified based on their entirely green body with pale reddish ocelli. The base of the legs are always yellow and the wings are completely transparent. The species has been reported from the states of Meghalaya, Assam and West Bengal (Sarkar *et al.* 2020).

The specimens were collected within the campus of Mizoram University (23°44'19.18"N, 92°39'44.62"E; 774 m asl. elevation) using light trap technique proposed

by Sheikh *et al.* (2016) between April, 2020 and May, 2020 and were stored under dry preservation in the Departmental Museum of Zoology, Mizoram University. The specimen photographs were taken using Canon M6 mark ii digital camera with Tokina 100 mm (1:1) macro lens.

### References

Distant, W.L. 1892. A monograph of Oriental Cicadae. Indian Museum, Calcutta. Pp.70.

Marathe, K., V. Sarkar, B.W. Price, P. Roy and K. Kunte. 2021. Cicadas of India, v. 1. Indian Foundation for Butterflies. Available from: <https://www.indiancicadas.org/home> (accessed 22 March 2021).

Sarkar, V., C. Mahapatra, P.P. Mohapatra and M.V. Nair. 2020. Additions to the cicada (Insecta: Hemiptera: Cicadidae) fauna of India: first report and range extension of four species with notes on their natural history from Meghalaya. *Journal of Threatened Taxa*, 12(9), pp.16021–16042.

Price, B.W., E.L. Allan, K. Marathe, V. Sarkar, C. Simon, and K. Kunte. 2016. The cicadas (Hemiptera: Cicadidae) of India, Bangladesh, Bhutan, Myanmar, Nepal and Sri Lanka: an annotated provisional catalogue, regional checklist and bibliography. *Biodiversity Data Journal* 4: 1–156.

Sheikh, A.H., M. Thomas, R. Bhandari, and H. Meshram. 2016. Malaise trap and insect

sampling: Mini Review. *Bio Bulletin*, 2(2): 35–40.

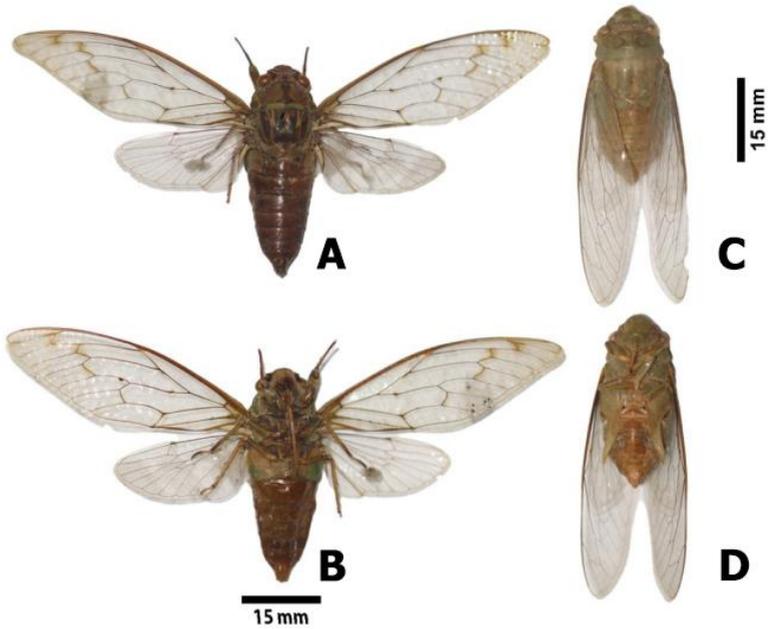


Fig. 1: Dorsal and ventral views of *Pomponia cinctimanus* (A, B) and *Dundubia annandalei* (C, D) from Mizoram, India.