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**SOME OBSERVATIONS ON THE MORPOLOGY AND
BIOLOGY OF THE BROWN PLANTHOPPER,
NILAPARVATA LUGENS STÅL (HOMOPTERA:
DELPHACIDAE), IN SRI LANKA.**

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The brown planthopper, *Nilaparvata lugens* Stål, a major pest of rice in Sri Lanka, has been specially prevalent in Amparai and Batticaloa districts. It is present in other rice growing districts like Kurunegala, Matara and Wannai, and periodically assumes pest proportion in these areas. Varieties of rice observed to be resistant to the brown planthopper under experimental conditions in the International Rice Research Institute in the Philippines have been found to be susceptible to attack by this pest in Sri Lanka. The present studies have been undertaken to determine whether the breakdown in resistance in the rice variety is caused by brown planthopper of a different biotype. The paper presents the results of studies made of wing structure, legs, head and thorax, abdomen and genitalia of the adult brown planthopper. Details are also given of the morphology and duration of egg and nymphal stages, and adult longevity, under laboratory conditions within a temperature range of 25° to 29.5°C (77° to 85° F).