

CCD IMAGES OF SELECTED PLANETARY NEBULAE

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ABSTRACT. Direct interference filter CCD frames of a number of northern planetary nebulae were obtained at the Cassegrain focus of the 182-cm telescope of Asiago Astrophysical Observatory (Italy).

In this short communication we present preliminary results for Hu 1-2, M 2-52, M 2-55, A 2, NGC 650-1, II 2120, H 3-29, M 1-7, K 3-72, M 1-8 and M 1-18. The Type-I PN Hu 1-2 (Figure 1) appears as an irregular ring of condensations seen almost edge-on and surrounded by less dense material at high latitudes, suggesting a bi-lobed structure similar to those observed in NGC 650-1, NGC 7026 and NGC 5189. The apparent form of K 3-72 (Figure 2) closely recalls Hu 1-2 (equatorial ring + bi-lobed polar material). This morphology, along with the presence of very strong [N II] lines (spectra taken at Asiago Observatory indicate that $I(\lambda 6584 \text{ [N II]})/I(\text{H}\alpha) = 4.5$), suggest that K 3-72 is a *bona fide* Type-I PN.

Bi-lobed structures have been detected also in M 2-55 and M 1-8.

