

Uredopeltis Boswelliae (Patel et al) Sathe from India

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With 1 Fig. in the text

In the course of his collection tour for rusts in the State of Maharashtra (India), the writer came across the plants of *Boswellia serrata* Roxb. showing severe infection of a rust on the lower side of their leaves. Review of previous literature revealed that there was only one record of a rust fungus on this host, of *Dasturella boswel-*



1. Photomicrograph of T. S. infected leaf of *Boswellia serrata* Roxb. showing telial sorus with irregularly arranged teliospores.

liae Patel *et al.* to which the writer's collection was found to agree. This agreement was further confirmed through the courtesy of Dr. G. C. Ainsworth of C. M. I. Kew, England. The rust fungus collected by the writer, however, was found to differ from the genus *Dasturella* Mundk. & Khesh. in having irregular arrangement of the teliospores

and absence of umbonate nature of telial crusts. These characters place the writer's collection on *Boswellia serrata* Roxb. in the rust genus *Uredopeltis* P. Henn. which was reduced to synonym of *Phragmidella* P. Henn. by Cummins (1959) but which has recently been revalidated and redescribed by Laundon (1963). The genus *Uredopeltis* P. Henn. is characterised by erumpent telia with irregularly arranged teliospores and paraphysate uredia, characters which are duplicated in the collection made by the writer and also in *Dasturella boswelliae* Patel *et al.* described by Patel, Payak & Kulkarni (1951).

It is, therefore, proposed to transfer the rust fungus namely *Dasturella boswelliae* Patel *et al.*, to the rust genus *Uredopeltis* P. Henn. under a new name *Uredopeltis boswelliae* (Patel *et al.*). Sathe and the former be considered a synonym of the latter. The fungus is accordingly redescribed as follows:

Uredopeltis boswelliae (Patel *et al.*) Sathe comb. nov.

Syn. *Dasturella boswelliae* Patel, Payak, & Kulkarni.

Pycnia, aecia not known. Uredia hypophyllous, irregularly scattered, reddish brown, paraphysate, paraphyses hyaline, clavate, marginal or intermixed, marginal paraphyses slightly incurved; uredospores ellipsoidal to obovate, hyaline, $19-32 \times 6-15 \mu$, minutely echinulate, germ pore obscure. Telia hypophyllous, subepidermal in origin, erumpent in lenticular crusts, $150-200 \mu$ broad and $17-130 \mu$ high, often coalescent; teliospores ellipsoidal to polygonal, reddish brown, thick walled, irregularly arranged, $11-13 \times 6-15 \mu$, those in uppermost layers with more thickened walls and darker in colour.

On living leaves of *Boswellia serrata* Roxb. Leg.: A. V. Sathe; Hanuman Hill near Law College Poona, India.

The genus *Uredopeltis* P. Henn. is reported for the first time from India.

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