

ON THE NOMENCLATURE OF FUNGI HAVING MANY FRUIT-FORMS.

J. C. ARTHUR.

(Abstract.)

The paper begins with a statement of the views of Dr. Magnus and others, who hold that with such forms as the heteroecious rusts the action of the law of priority in the selection of specific names should extend only to names applied to the teleutosporic form. Thus, the common grain rust should be called *Puccinia graminis* Pers., and not *Puccinia poeciliformis* (Jacq.) Wettst.

The argument is upheld that this view practically rests upon the inference that the genus *Puccinia* is a form-genus based upon the teleutosporic stage. A true genus, it is maintained, must of necessity embrace all stages of development and all structural parts of every species under it. The name of the genus, as well as that of the species must, moreover, so far as its nomenclatorial treatment is concerned, be considered as simply appellative, and without regard to its derivation or significance.

These ideas are elucidated with a variety of illustrations. The conclusion is drawn that with clear concepts of this nature there can be no question of the desirability of applying the law of priority to fungi with many fruit-forms, in a manner similar to its use among phanerogams.

The proper name for the common grain rust, according to this method, is *Puccinia poeciliformis* (Jacq.) Wettst.