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(3) *On the origin of the embryos in the ovicells of Cyclostomatous Polyzoa.* By S. F. HARMÉR, M.A., King's College.

[Reprinted from the Cambridge University Reporter, February 18, 1890.]

The species investigated belonged to the genus *Crisia*, in which, as in other forms of *Cyclostomata*, the mature ovicells contain a large number of embryos. These embryos are imbedded in the meshes of a nucleated protoplasmic reticulum, which also contains a mass of indifferent cells, produced into finger-shaped processes, the free ends of which are from time to time constricted off as embryos. The embryos have, at this stage, a structure identical with that of the youngest embryos described by previous authors. After developing various organs, they escape as free larvae through the tubular aperture of the ovicell. The budding organ from which the embryos are formed makes its appearance at an early stage in the development of the ovicell. Evidence was brought forward to show that it must be regarded as an embryo, produced from an ovum. The supposed ovum is found in very young ovicells, imbedded in a compact follicle, and appears to give rise, by a remarkable process of development, to the budding organ above described. The embryos are thus produced by the repeated fission of a primary embryo developed in the ordinary way from an egg.

February 24, 1890.

MR J. W. CLARK, PRESIDENT, IN THE CHAIR.

The following were elected Fellows of the Society :

- A. P. Laurie, M.A., Fellow of King's College.
- W. H. Young, M.A., Fellow of Peterhouse.
- C. Platts, M.A., Fellow of Trinity College.
- A. C. Seward, M.A., St John's College.

The following Communications were made to the Society :

- (1) *Vehicles used by the old Masters in Painting. Part I.*
By A. P. LAURIE, M.A., King's College.

I HAVE been engaged for some time in studying the methods of painting used by the old masters, with a view to showing light on the question why modern pictures are so far from permanent. Fortunately a good deal of material exists for this enquiry, MSS. having been left containing receipts for the preparation of oils, colours and varnishes, and directions for using the same. Moreover these MSS. have been carefully edited and translated, and