

*February 19, 1885.*

THE TREASURER in the Chair.

The Presents received were laid on the table and thanks ordered for them.

The Chairman announced that a letter had been received from the Elder Brethren of the Trinity House, in which, after mentioning the experiments on lighthouse illumination which were being carried on at the South Foreland, invitations were offered to any Fellows of the Royal Society who may desire to witness the experiments, and stating further that the Trinity Yacht would be available for observations from the sea.

The following Papers were read :—

- I. "On the Structure of Hyaline Cartilage." By GEORGE THIN, M.D. Communicated by Professor SCHÄFER, F.R.S.  
Received January 29, 1885.

(Abstract.)

The author having previously shown ("Quarterly Journal of Microscopical Science," vol. xvi—New Series), that a laminated appearance is produced in hyaline cartilage by imbibition of nitrate of silver, now shows that the same lamellated structure may be observed in sections of fresh cartilage stained by Bismarck brown, and that the lamellæ, as brought under observation by both methods, have approximately the same thickness and general arrangement.

It seems certain that the matrix of hyaline cartilage is formed by a series of lamellæ superposed over each other, their general arrangement being parallel to the free surface of the cartilage.

Adjoining the zone of ossification, the lamellæ are seen to be very distinctly separated from each other, and at this part their continuity is interrupted by the large spaces which correspond to the position of the cells.