

The paper was illustrated by numerous drawings and specimens of the deposits, while numerous slides were exhibited under microscopes in the library. The author gave a practical demonstration on the methods of cleaning and mounting diatoms for subsequent examination.

*Exhibits.*—Professor Parker gave an account of some recent interesting additions to the Museum, including—

- (a.) Two penguins, showing both immature and adult plumage.
- (b.) A cast of the fossil reptile *Compsognathus*.
- (c.) Specimens of the "bladder-worm" taken from the muscles of a rabbit.
- (d.) A collection of stuffed New Zealand fishes intended for the Melbourne Exhibition.

---

FOURTH MEETING: 10th July, 1888.

Professor T. J. Parker, F.R.S., Vice-President, in the chair.

Dr. Hocken, on behalf of the members of the Institute, congratulated the Chairman on his having been elected a Fellow of the Royal Society, an honour which all who knew what Professor Parker had done in the cause of biological science, thought to be very well deserved. The Chairman, in acknowledging the compliment, stated that he considered the honour had been conferred on him chiefly on account of his researches on the embryology of *Apteryx*, and expressed the hope that before long all question of scientific importance in the colonies would be worked out by colonial workers, and that in future it would be unnecessary for the Royal Society or other learned associations in England to send out specialists to solve our scientific problems, as they had done in the past.

Professor Parker exhibited and called attention to specimens of brown, Loch Leven, and Scotch burn trout prepared by his glycerine-gelatine process for the Tourists' Court in the Melbourne Exhibition.

*Paper.*—"On the Birds of the Lake Brunner District," by W. W. Smith; communicated by Geo. M. Thomson, F.L.S. (*Transactions*, p. 205.)

---

FIFTH MEETING: 14th August, 1888.

A. Wilson, M.A., President, in the chair.

*New Member.*—A. Purdie, M.A.

Dr. Hocken delivered an exceedingly interesting lecture on "The Early History of Otago," being the ninth of the series on "The Early History of New Zealand."