

limited a measure, in effecting this object, our intentions in founding the Association will be fulfilled, and our humble efforts for the promotion of Science and the elevation of our native land will be abundantly rewarded.

In conclusion, I may add that the Society embraces in the field of its observations not only the Province of Nova Scotia, but also Prince Edward Island, Newfoundland, Labrador, and the Bermuda's localities, to which the scientific observer has hitherto paid but slight attention.

ART. I.—*On the common Herring (Clupea elongata)*. By J. BERNARD GILPIN, A. B., M. D., M. R. C. S.

[Read Feb. 2, 1863.]

FROM five specimens before me, — one taken at Red-bay, Labrador; the second, from the "Banks," ten miles seaward; the third, from Halifax harbour; the fourth, from Annapolis Royal, Bay of Fundy; and the fifth from a cod's stomach, caught last winter, upon the Banks, I may say they are identical, except in teeth and size; they all may be called slender: the head about one-sixth the entire length, the lips dusky black, the opercles the same, and fins alike in relative position with each other, and in number of rays, and the belly slightly carinated. They all dip forward when held by the dorsal fin, and they all correspond in colour, as far as may be judged from the specimens more or less denuded of their scales, and part preserved in salt, and part in alcohol. As regards teeth, they all had teeth upon the tongue and vomer, except the one from the cod's stomach, which had none upon the tongue; but the Labrador specimens had none upon the lower jaw, the others having them there. J. M. JONES, Esq., showed me a specimen of a Newfoundland herring, with teeth upon vomer, tongue, and both upper and lower jaws. On the head of another Labrador specimen, boiled and taken apart, I found teeth only on the vomer; under a strong glass the lower maxillary was slightly serrated. In size, the Labrador measures 15 inches; the Bank, 13½; the Shore, 11; the Annapolis, or Digby herring, 7 to 8; and that taken from the cod, about 5 inches. Notwithstanding the difference in size, and in teeth, which last I shall again refer to, I can only consider them of one species.

The description of an ordinary herring taken from the market at Halifax, will serve as a type for all:

"Body, long and slender; head, one-sixth the length; 2 pectoral, 1 dorsal, 2 ventral, and one anal fin. The caudal deeply cleft. The dorsal