

remarks thereon, and dwelt particularly on the homologies of the
parts of the lower vertebrates.

Mr. L. D. GALE made a communication

ON THE CAUSE AND REMEDY OF THE POTATO ROT.

The author maintained the so-called "chemical theory" of the
origin of this disease, and adduced in corroboration experiments
made during the past ten years in Long Island and New Jersey.

Remarks followed by various persons present, especially by
Prof. Brewer, of Yale College; the latter gave a brief synopsis
of the many theories that have been broached in reference to this
phenomenon, and showed the unsatisfactory nature of conclusions
deduced from any partial investigation.

4TH MEETING.

MARCH 14, 1874.

The President in the Chair.

Mr. L. D. GALE offered some remarks in explanation of his
communication at the previous meeting in reference to the potato
disease.

Mr. C. S. PEIRCE made a communication

ON VARIOUS HYPOTHESES IN REFERENCE TO SPACE.

Mr. J. M. TONER illustrated, by means of a map,
A METHOD OF DESCRIBING AND LOCATING WITH EASE THE APPROXI-
MATE POSITIONS OF GEOGRAPHICAL REGIONS.

Mr. JOSEPH HENRY made a communication

ON A METHOD OF DEVELOPING MAGNETISM IN BARS OF STEEL.

4TH MEETING.

MARCH 28, 1874.

The President in the Chair.

Mr. C. E. DUTTON made a communication

ON RECENT IMPROVEMENTS IN THE MANUFACTURE OF STEEL.

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