

recognized element in the New York faunas. It contains chapters as follows:

- Typical Guelph dolomites of Ontario and their fauna
- Guelph fauna of New York and its stratigraphic relations
- Historical
- Section of dolomites at Shelby, Orleans co.
- Niagara county
- Other manifestations in Orleans county
- Monroe county
- Wayne county
- Southern Ontario—the section at Hamilton
- Fauna of the Guelph dolomite in western New York
- Synoptic list of Guelph fossils in New York
- Conditions of life and sedimentation
- Distribution of the Guelph

**Memoir 6.** Naples Fauna in Western New York, part 2. The first part of this treatise, which considered only the cephalopods of the fauna appeared in the *16th Annual Report of the State Geologist* 1896 [1899]. It covered 169 pages and 9 plates, royal quarto. The present memoir is a completion of the subject, covering 215 pages and 21 plates. It includes chapters as follows:

- The sea of Portage time
- Lake Oneonta
- Nonmarine stages succeeding Lake Oneonta
- Bionic provinces of the Appalachian gulf during Portage time
  - 1 Oneonta province
  - 2 Ithaca province
  - 3 Genesee province
    - Naples subprovince
    - Chautauqua subprovince
- Comparisons of stratigraphic sections in the Genesee province
- Bionomic character of the fauna
  - Lamellibranchiata
  - The cardioconch condition
  - Other components of the fauna
  - Descriptions of the fauna
- Development of the Intumescens fauna outside of New York
- Range of species in the Chautauqua and Naples subprovince
- Geographic distribution of the fauna of the Genesee province
- Distinctive features of the subprovincial faunas
- Correlation of the fauna of the Genesee province with the Intumescens fauna of Europe
- Relation of the fauna to the black shales
- Summary