

PLATES.

NOTE.

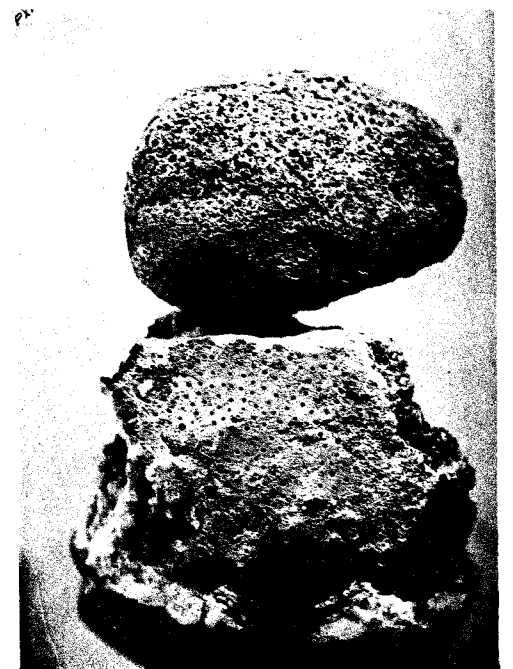
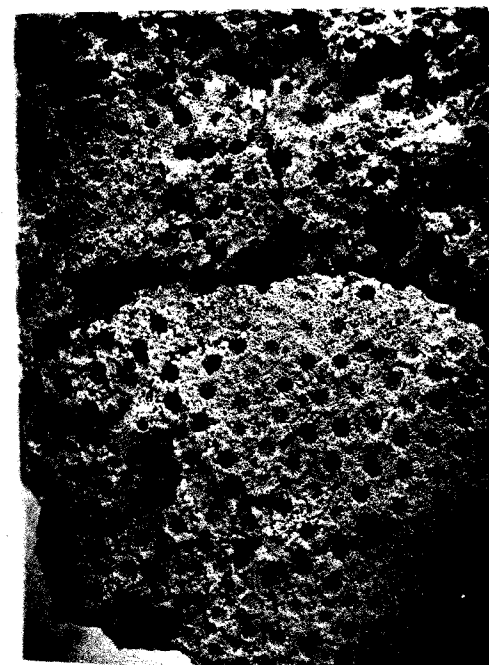
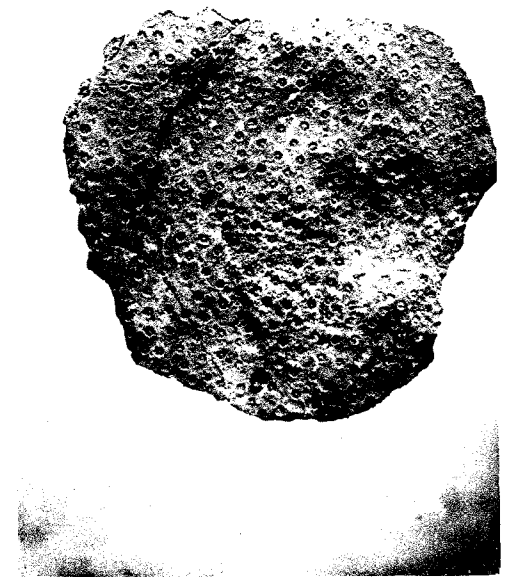
THE figures of the plates could not be numbered without great inconvenience to the printer, on which account I have adopted a rule applying to all, which I think will serve the purpose.

In all the text references the upper right-hand figure is 1; the upper left-hand figure is 2; the lower left-hand figure is 3, and the lower right-hand, 4. Some plates have several figures on each of their two or four principal divisions. In these cases, to save the reader from mistakes and confusion, I have been very explicit in my descriptions, in indicating the particular figure referred to.

PLATE I.

Fig. 1. HELIOLITES INTERSTINCTUS. Louisville, Niagara group.

- 2. ——— pyriformis. Drummond's Island, Niagara group.
- 3. ——— megastoma. " "
- 4. ——— subtubulatus. Upper specimen from Iowa; lower from Drummond's Island.



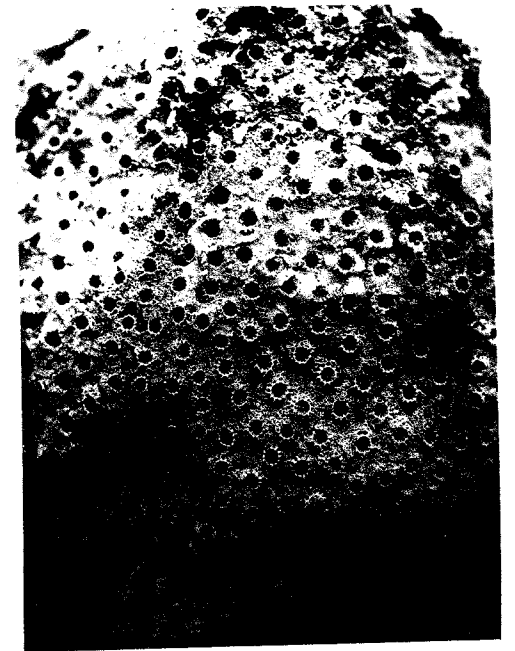
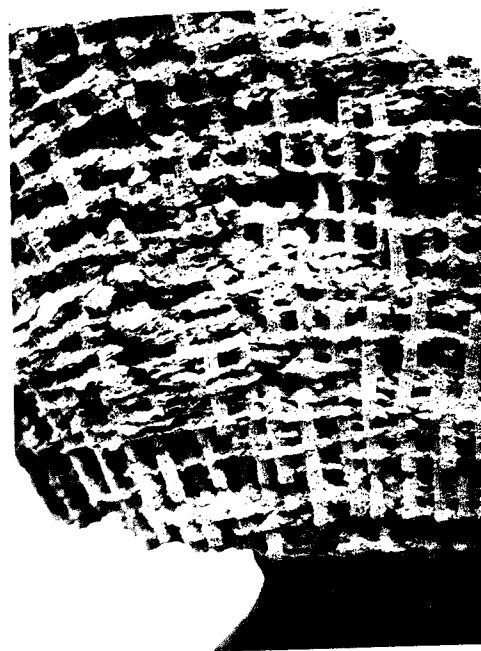
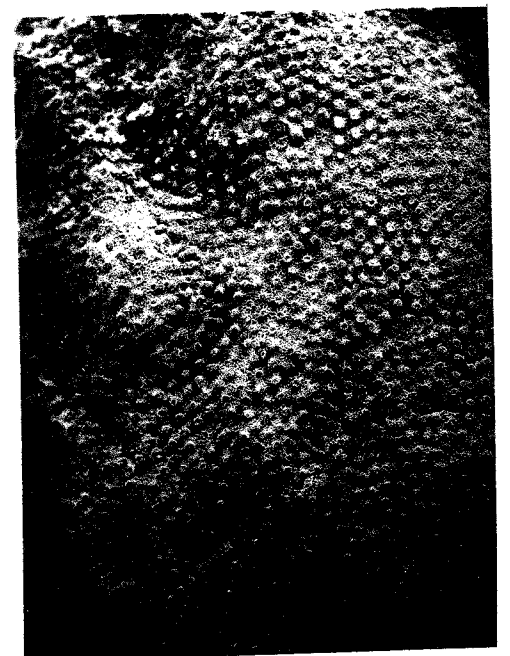


PLATE II.

Figs. 1 and 2. *LYELLIA AMERICANA*. Point Detour, Niagara group.

Fig. 3. ——— papillata. Point Detour, Niagara group.

4. ——— parvituba. Louisville, Ky.



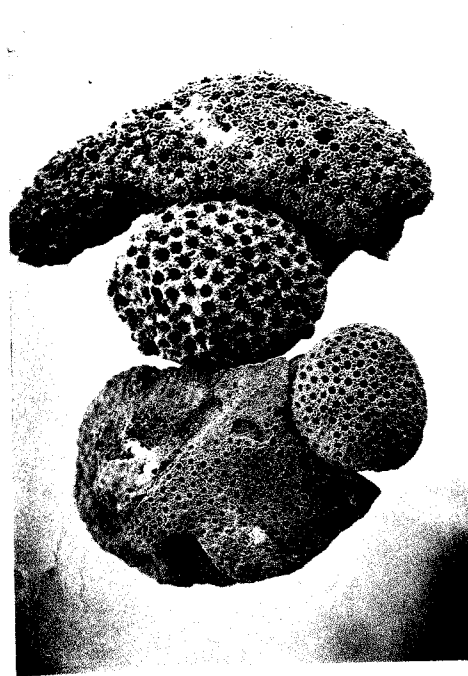


PLATE III

Fig. 1. *LYELLIA DECIPiens*. Point Detour, Niagara group.

2. *PLASMOPORA FOLLIS*. Upper figures, Niagara group, Indiana.
 ——— *elegans*. Lower figures, Niagara group, Indiana.

Figs. 3 and 4. *HOUGHTONIA HURONICA*. Hudson River group, Drummond's Island.

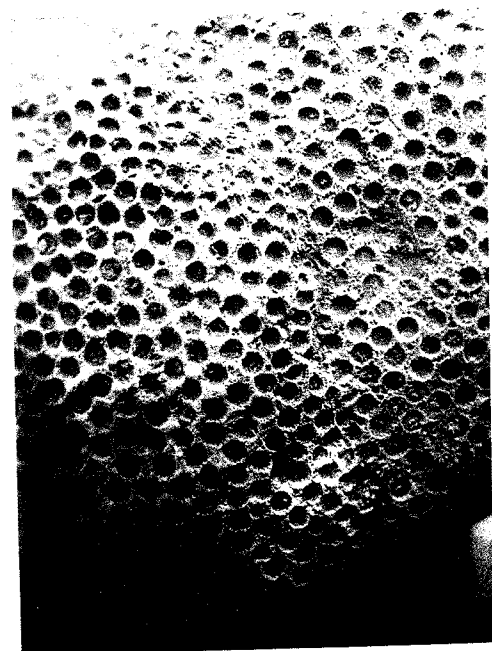


PLATE IV.

All FAVOSITES FAVOSUS, from Drummond's Island, Niagara group.

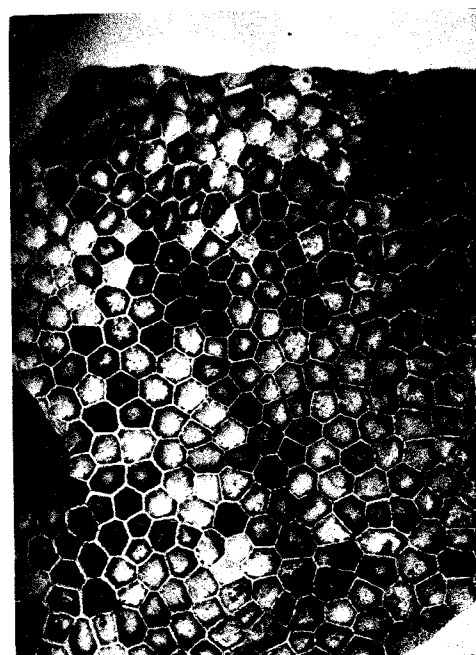
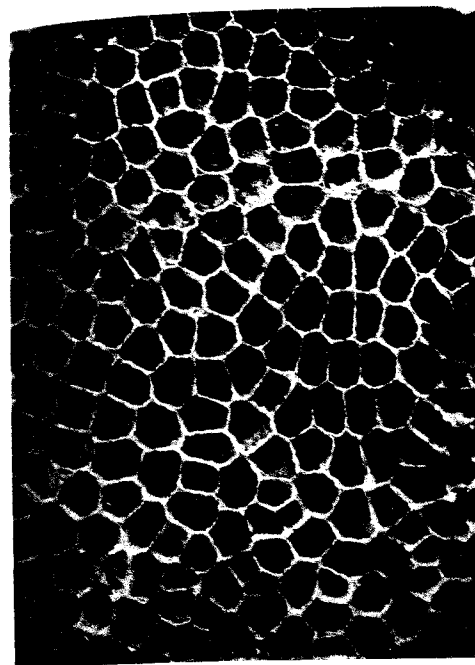


PLATE V.

- Fig. 1. FAVOSITES NIAGARENSIS. Point Detour, Niagara group.
- 2. — favosus. Smallest variety. Drummond's Island.
 - 3. — venustus. Drummond's Island, Niagara group.
 - 4. — hispidus. " "



PLATE VI.

All figures FAVOSITES HEMISPHERICUS. Devonian.

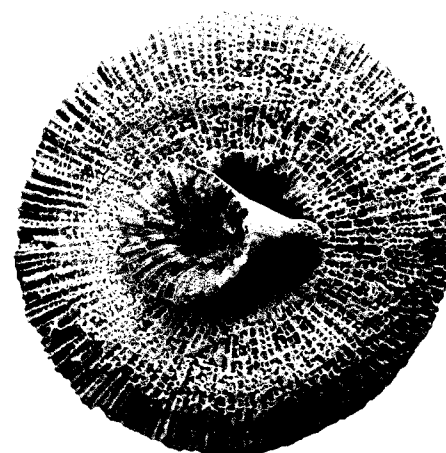




PLATE VII.

Figs. 1 and 2. *FAVOSITES EMMONSII*. Upper Helderberg group.
3 and 4. ——— *Hamiltonensis*. Hamilton group, Michigan.

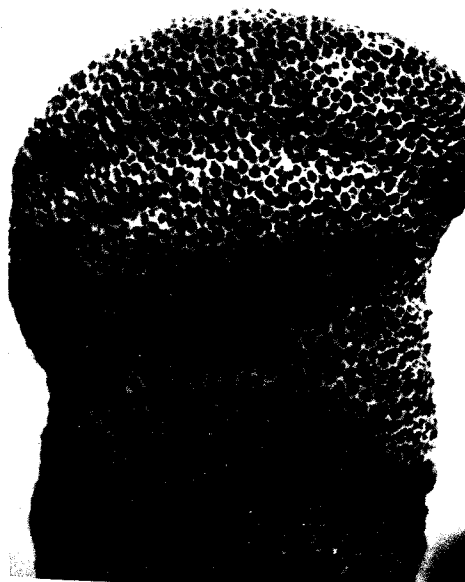


PLATE VIII.

Figs. 1, 2, and 3. *FAVOSITES EPIDERMATUS*. Corniferous limestone.
 Fig 4. ——— *Canadensis*. Corniferous limestone.

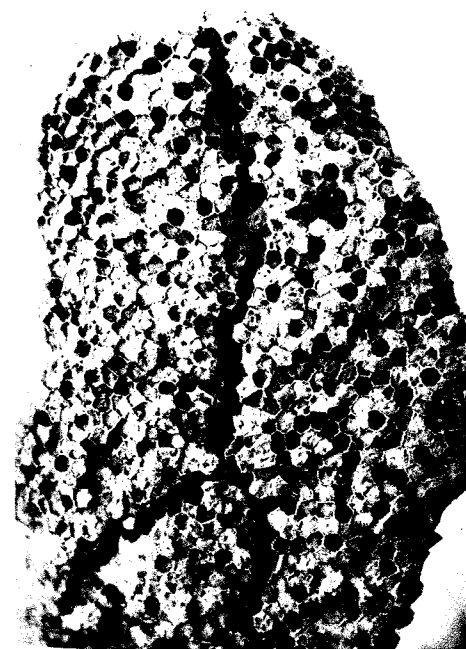
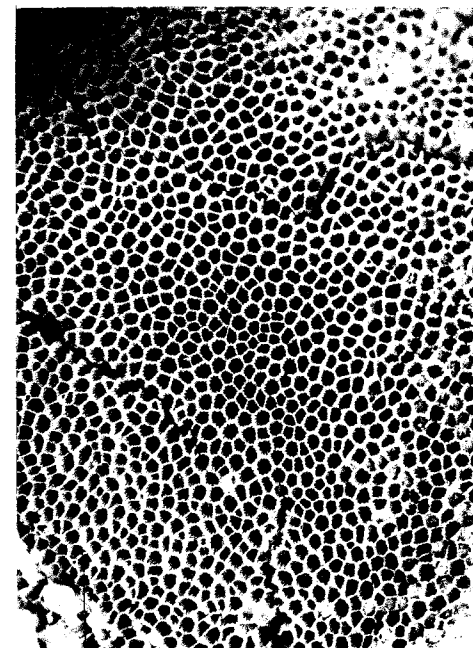


PLATE IX.

Figs. 1 and 2. *FAVOSITES TUBEROSUS*. Corniferous limestone.
 3 and 4. ——— *Winchelli*. Corniferous limestone and Hamilton
 group.

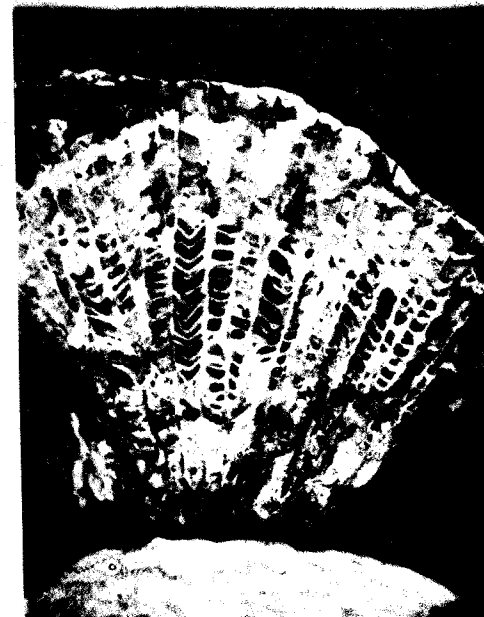
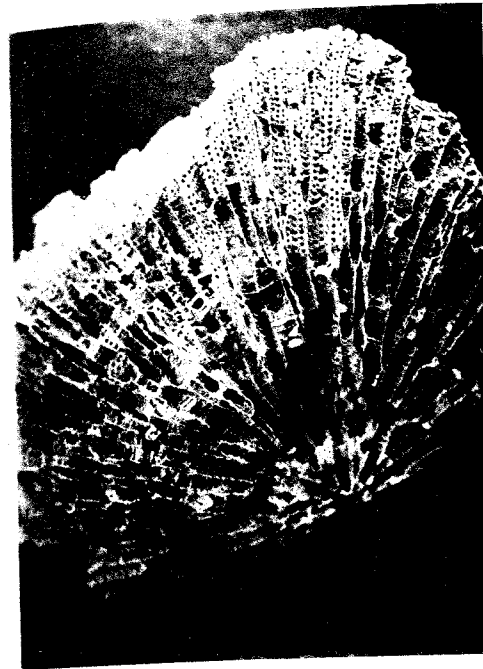




PLATE X.

- Fig. 1. FAVOSITES RADIATUS. Hamilton group.
 2. ——— hemisphericus. Helderberg group.
 3. ——— limitaris—Casts.
 4. ——— intertextus—Casts.

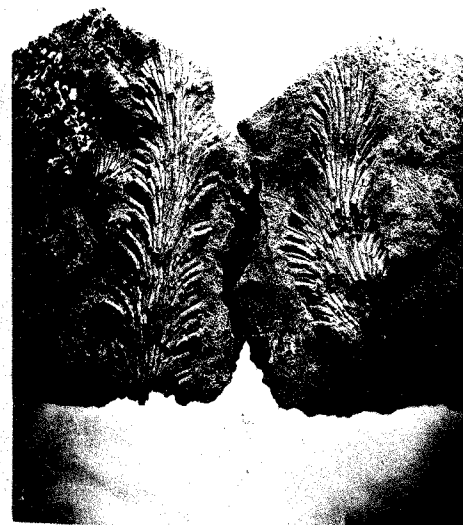




PLATE XI.

Figs. 1 and 2. FAVOSITES PLACENTA. Hamilton group, Widder.

Fig. 3. ——— ——— “ Thunder Bay.

4. ——— nitella. “ Little Traverse Bay.

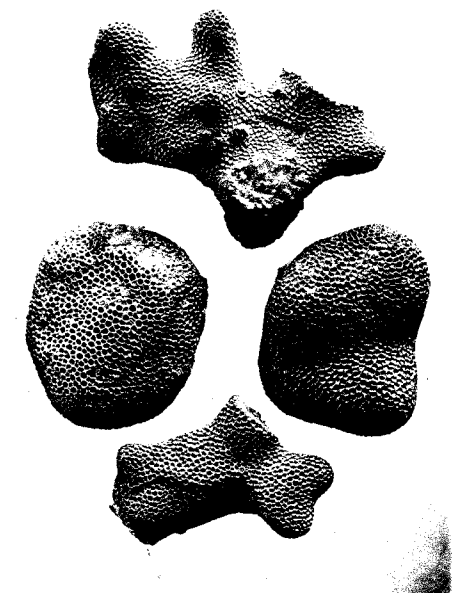


PLATE XII.

All figures *Favosites radiformis*. Helderberg and Hamilton groups.

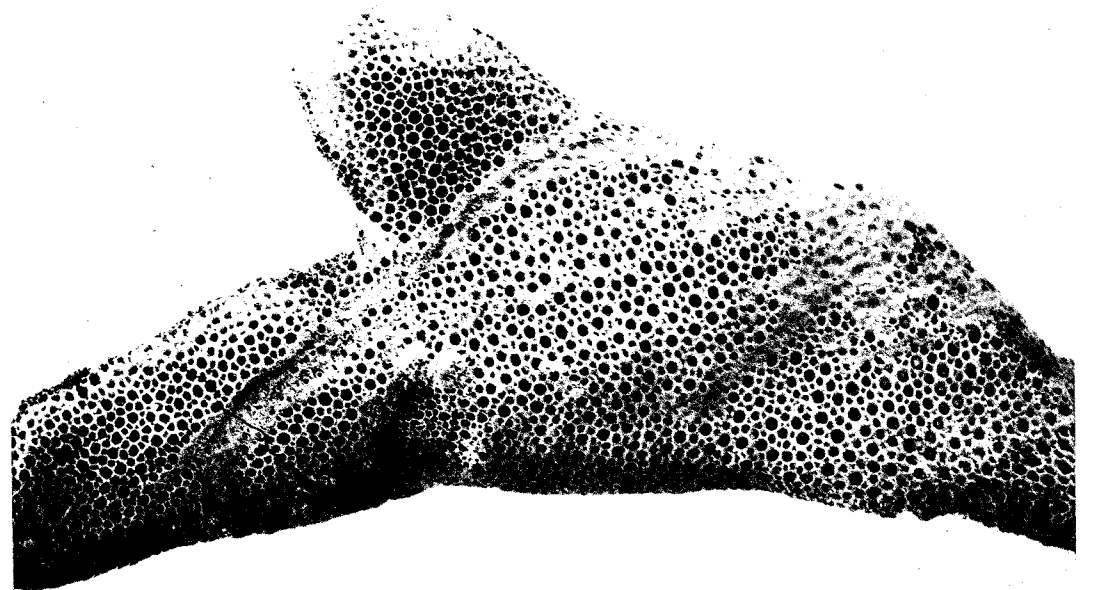
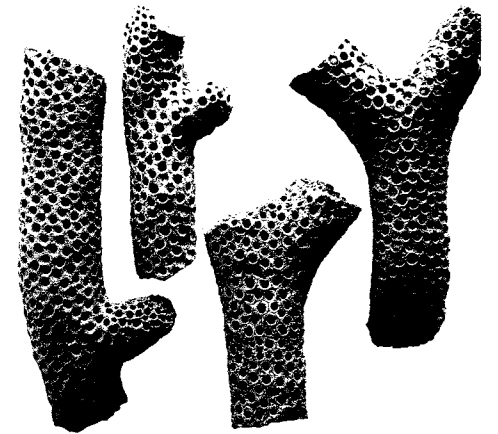


PLATE XIII.

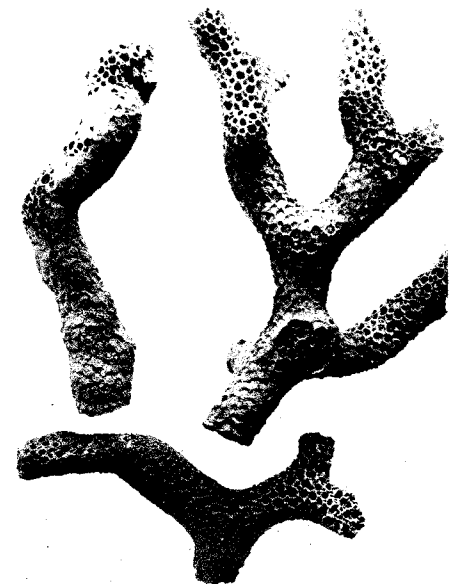
All figures varieties of *FAVOSITES LIMITARIS*. Corniferous limestone.





[PLATE XIV.

All figures FAVOSITES CLAUSUS. Helderberg group and Hamilton group.



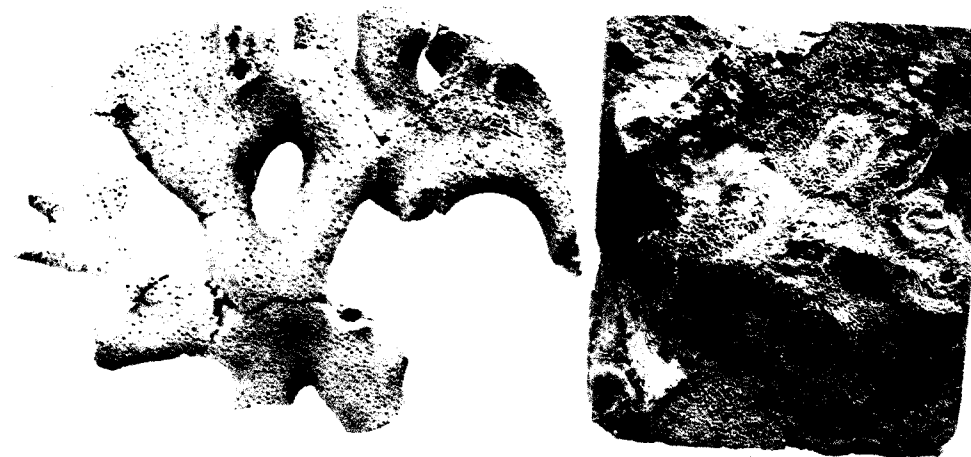


PLATE XV.

Figs. 1 and 2. FAVOSITES INTERTEXTUS. Corniferous limestone.

Fig. 3. ——— Canadensis.

Group 4. FAVOSITES DIGITATUS.

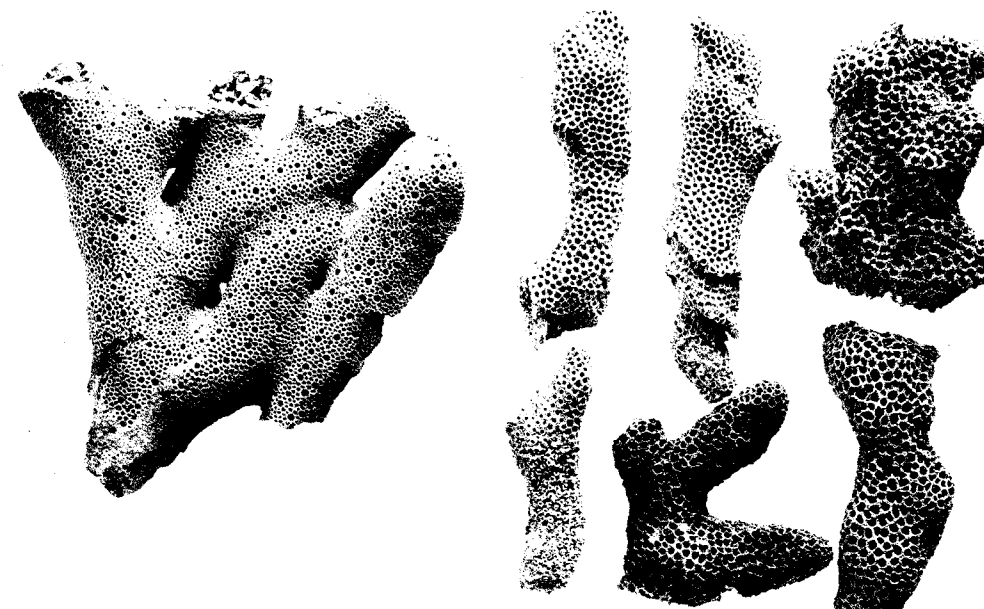


PLATE XVI.

Fig. 1. ALVEOLITES NIAGARENSIS. Drift. Michigan.

- 2. ——— Point Detour, Niagara group.
- 3. ——— squamosus. Found in the drift.
- 4. ——— Caps of tubes. Drift.

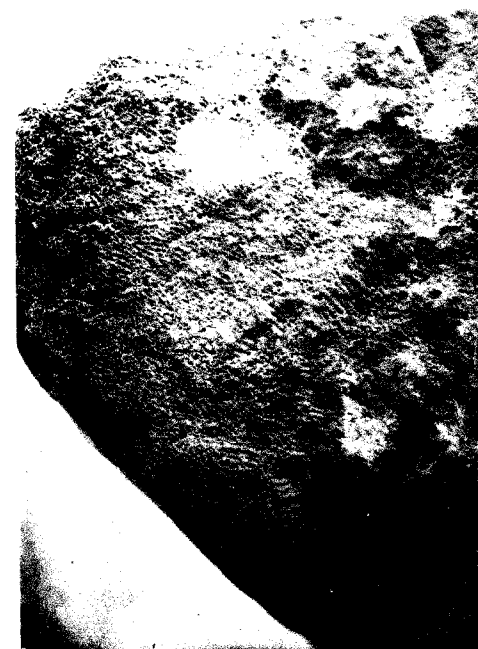




PLATE XVII.

Fig. 1. *CLADOPORA LICHENOIDES*. Falls of Ohio.

4. ——— Caps found in the drift.

2. *ALVEOLITES GOLDFUSSII*. Hamilton group, Widder.

3. ——— *vallorum*. Drift of Lake Superior.

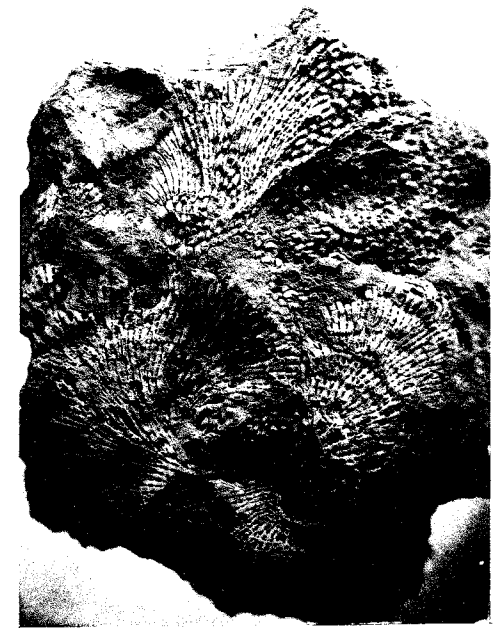


PLATE XVIII.

Fig. 1. LIMARIA CRASSA. Niagara group, Point of Barques, Lower Michigan.

2. ——— laminata. Niagara group, Point Detour.

3. CLADOPORA LAQUEATA. Niagara group, Seul Choix.

4. ALVEOLITES SUBRAMOSUS. Hamilton group Thunder Bay.

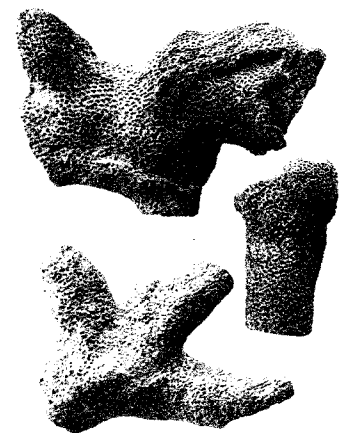
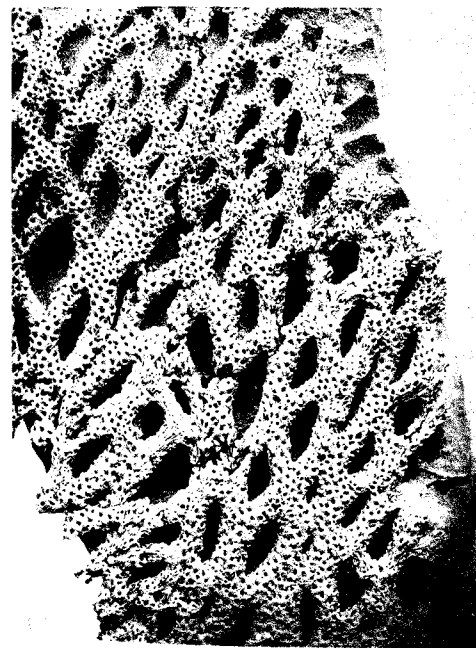
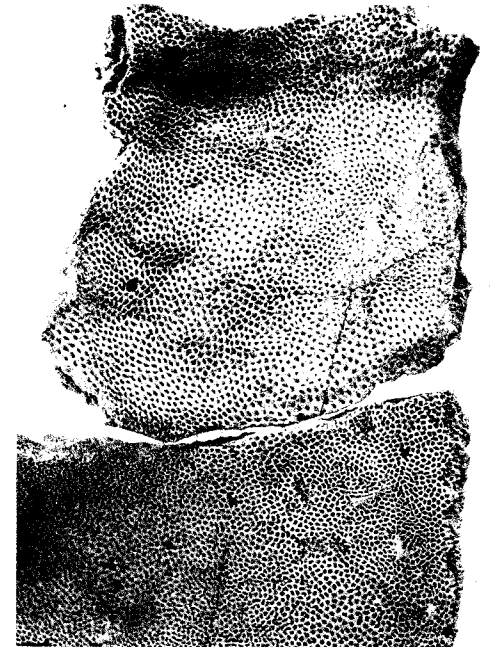


PLATE XIX.

Fig. 1. CLADOPORA FISHERI. Hamilton group drift.

- 4. ——— Hamilton group, Widder.
- 2. ——— turgida. Corniferous limestone drift.
- 3. ——— Canadensis. Hamilton group, Widder.

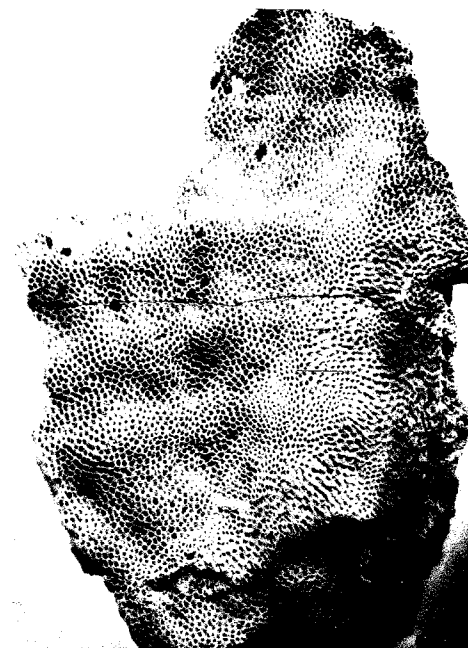




PLATE XX.

Figs. 1 and 2. *CLADOPORA CRYPTODENS*. Corniferous limestone, Falls of Ohio.

Fig. 3. ——— *Roemeri*. Hamilton group, Widder.

4. ——— *Alpenensis*. Hamilton group, Alpena.

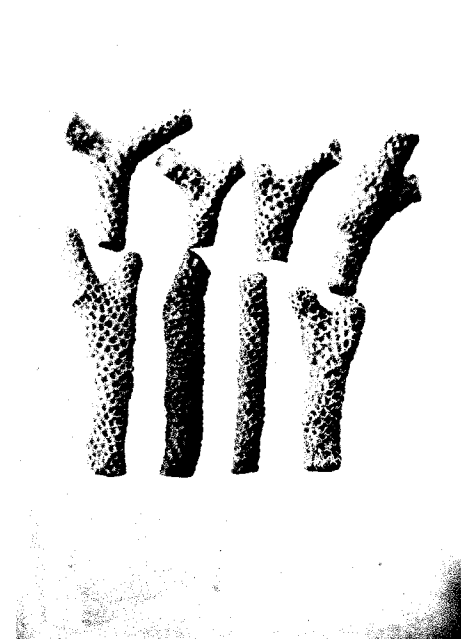


PLATE XXI.

- Fig. 1. *CLADOPORA PULCHRA*. Corniferous limestone drift, and Port Colborne.
 2. ——— *labiosa*. Corniferous limestone drift.
 2. The two lower left-hand figures, *CLADOPORA RIMOSA*. Drift.
 3. Lower tier, *CLADOPORA PINGUIS*. Drift. Central specimen at the base
 represents a variety of *CLADOPORA LABIOSA*.



PLATE XXII.

Figs. 1 and 2. *CLADOPORA ROBUSTA*. Corniferous limestone, Falls of the Ohio.
 Lower tier, two right-hand specimens, *CLADOPORA IMBRICATA*. Falls of the Ohio.
 Small upper specimen in the centre, *CLADOPORA ASPERA*. Falls of the Ohio.
 Three specimens on left side, various forms of *CLADOPORA EXPATIATA*. Falls
 of the Ohio.

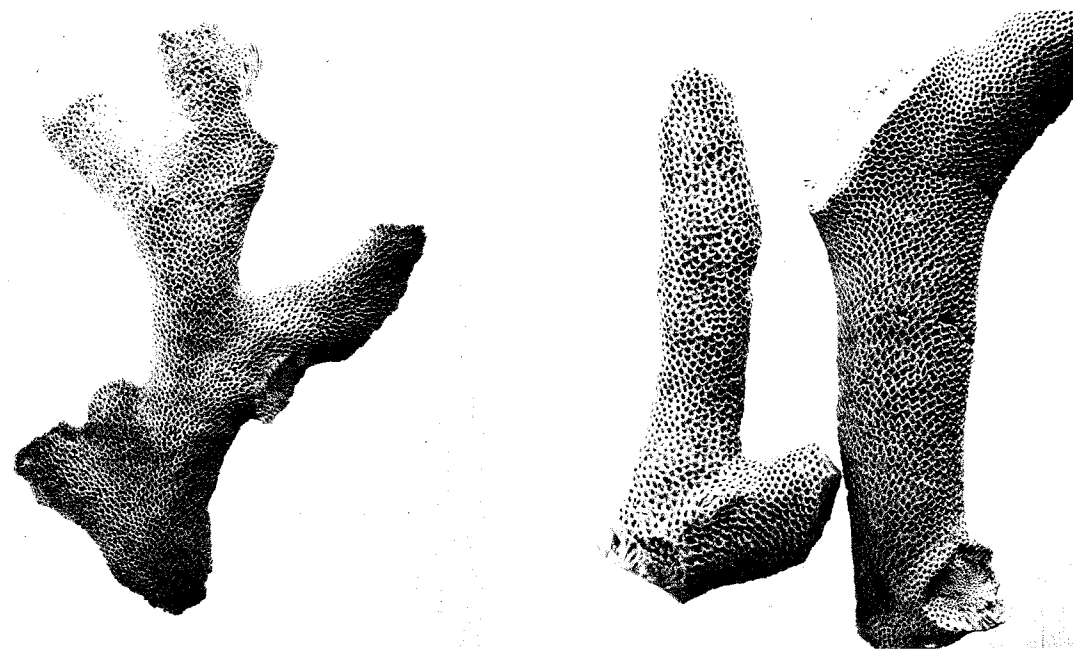


PLATE XXIII.

Fig. 1. *DENDROPORA ORNATA*. Hamilton group, Darien.

2. ——— *elegantula*. Hamilton group, Widder.

3. *STRIATOPORA CAVERNOSA*. Corniferous limestone drift.

4. *DENDROPORA NEGLECTA*. Corniferous limestone drift.

5. *STRIATOPORA LINNÆANA*. Hamilton group, Thunder Bay and Widder.

6. Supposed variety of the same species. Corniferous limestone, Falls of the Ohio.

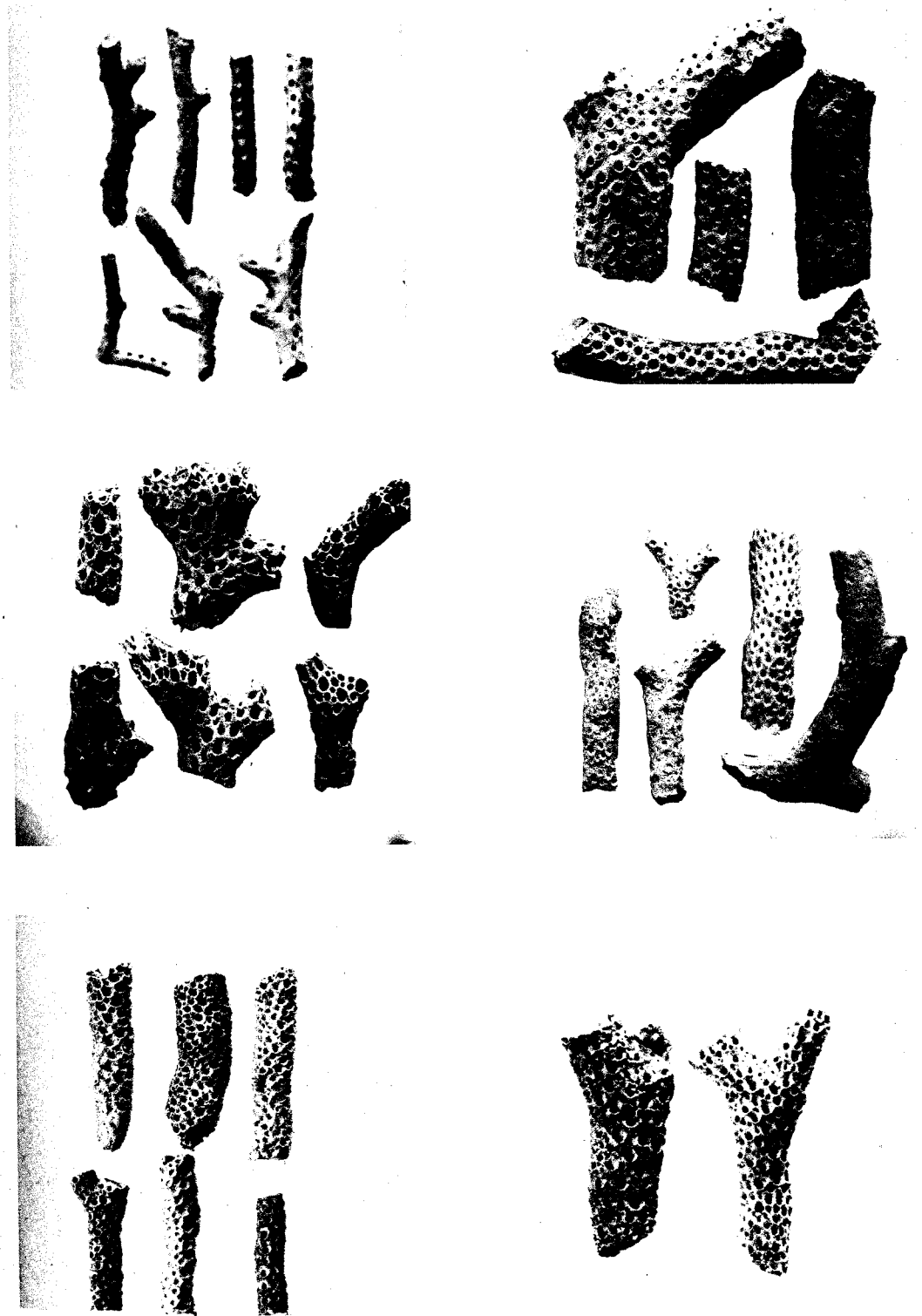


PLATE XXIV.

Fig. 1. Upper specimen, *DENDROPORA ALTERNANS*. Hamilton group, Thunder Bay.

Specimen at the base, *DENDROPORA RETICULATA*. Hamilton group, Partridge Point.

2. Upper specimen, *STRIATOPORA HURONENSIS*. Niagara group, Point Detour.

Lower left-hand specimen, *STRIATOPORA RUGOSA*. Hamilton group, Thunder Bay

Lower right-hand specimen, *DENDROPORA ORNATA*, juvenile specimen. Thunder Bay, Hamilton group.

3. Upper group of specimens, *VERMIPORA FASCICULATA*. Corniferous limestone and Hamilton group. Magnified 2 diameters.

Lower three stems, *VERMIPORA NIAGARENSIS*. Niagara group, Iowa. Magnified 2 diameters.

4. Upper row of stems, *DENDROPORA-RETICULATA*. Magnified 2 diameters. Thunder Bay.

Lower group of stems, *DENDROPORA PROBOSCIDALIS*. Hamilton group, Thunder Bay

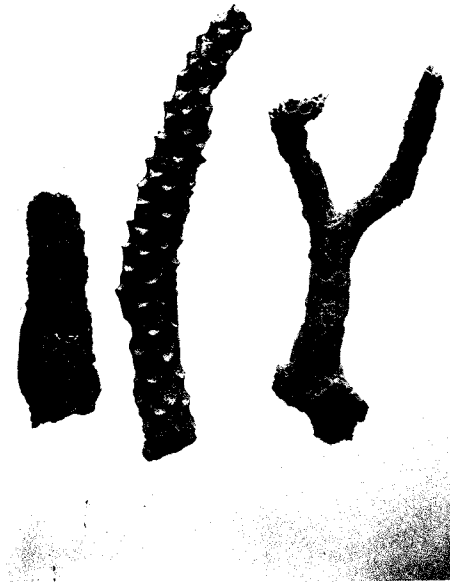


PLATE XXV.

- Fig. 1. *THECIA* MAJOR. Niagara group, Charleston Landing.
 2. ———— " Point of Barques.
 3. ———— minor. " Louisville.
 4. ———— ramosa. Helderberg group, Falls of the Ohio.

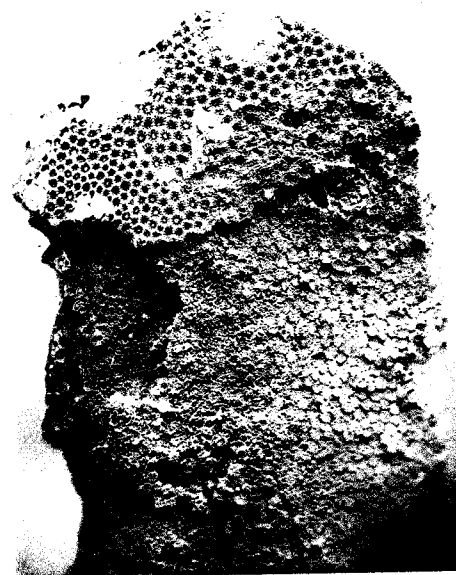


PLATE XXVI.

Figs. 1 and 2. *MICHELINIA CONVEXA*. Helderberg group, Port Colborne.
 3 and 4. ——— *cylindrica*. Helderberg group, Falls of the Ohio.

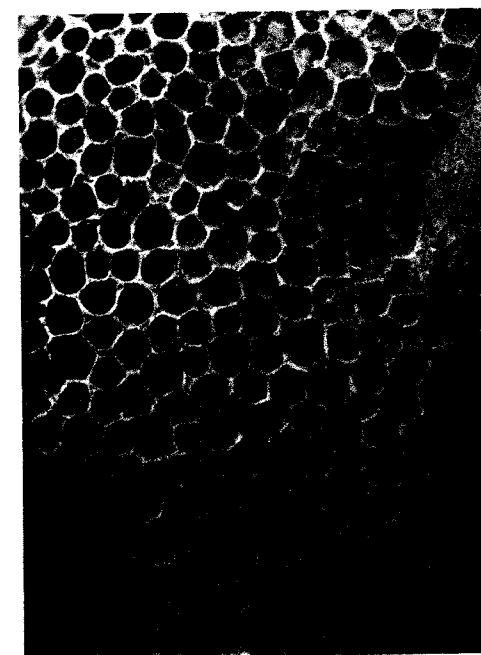
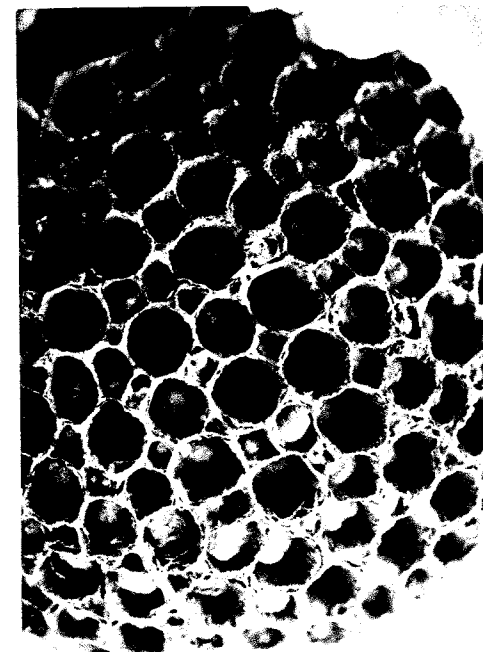


PLATE XXVII.

- Figs. 1, 2, and 3. *MICHELINIA INSIGNIS*. Hamilton group, Thunder Bay, and
Fig. 1. Helderberg group, Louisville.
Fig. 4. *MICHELINIA FAVOSITOIDEA*. Helderberg group, Port Colborne.

