

*Bumastus milleri* (Billings), Lowville and Black River, rather common, A.

" *indeterminatus* (Walcott), Black River, rather rare, E.

" *billingsi* Raymond and Narraway, Trenton, rather rare, C.

*Thaleops ovata* Conrad, Black River, common, C.

*Calymene senaria* Conrad, Trenton, abundant, A.

*Cybele ella* Narraway and Raymond, Black River, very rare, C.

*Ceraurus pleurexanthemus* Green, Black River to Utica, common, B.

" *dentatus* Barton and Raymond, Trenton, rare, D.

" *bispinosus* Barton and Raymond, Black River, very rare, E.

*Dalmanites achates* Billings, Trenton, rather common, C.

" *bebryx* Billings, Trenton, rather rare, C.

*Pterygometopus callicephalus* (Hall), Black River and Trenton, common, C.

*Amphilichas trentonensis* (Conrad), Trenton, very rare, F.

" *cucullus* (Meek and Worthen), Trenton, very rare, E.

*Arges wesenbergensis paulianus* Clarke, Trenton, rather rare, E.

*Encrinurus vigilans* Hall, Trenton, very rare, C.

*Bronteus lunatus* Billings, Trenton, rather rare, B.

*Odontopleura trentonensis* (Hall), Trenton, rather rare, C.

*Proetus parviusculus* Hall, Trenton, rather rare, D.

A. Entire specimens common.

B. " " sometimes, but usually fragmentary.

C. " " very rarely, but usually fragmentary.

D. No " " always fragmentary.

E. " " generally cephalia or cranidia.

F. " " " pygidia.

#### SUMMARY.

In all 43 specimens of 22 genera distributed as follows:

|                                   |           |          |
|-----------------------------------|-----------|----------|
| In Chazy formation . . . . .      | 1 species | 1 genus  |
| " Pamela formation . . . . .      | 3 "       | 2 genera |
| " Lowville formation . . . . .    | 5 "       | 4 "      |
| " Black River formation . . . . . | 16 "      | 10 "     |
| " Trenton formation . . . . .     | 19 "      | 15 "     |
| " Utica formation . . . . .       | 5 "       | 3 "      |
| " Lorraine formation . . . . .    | 1 "       | 1 genus  |

Entire shields have been found of 26 species; 17 species are still known only from fragments.

The compiler has endeavoured to eliminate all doubtfully or incorrectly identified species, and to bring the nomenclature up to date, thus establishing a list which may be relied on as a