iorly than in the other two species. They are all large-eyed Phacopinids with the characteristic modifications of the subfamily. The diagnostic feature that separates this group from the coeval Silurian Phacops forms is the retention of the first pair of glabella furrows which are of a characteristic form and give rise to a partly detached frontal lobe somewhat as in Dalmanites.

Genelype: Phacops glockeri Barrande.

Genus Phacops Emmrich s. str.

- 1819. Sometrikelon McMurtie, Sketches of Louisville and the falls of the Chio; Louisville, 1819, pp. 74-75 (not sufficiently defined to be clearly recognizable).
- 1839. Phacops Emmrich (partim), De Trilob. Dissert., p. 18.
- Phacops Goldfess (partim), Neues Jahr-Min., etc., 1843, p. 564.
- 1845. Phacops Emmrich (partim), Neues Jahr. Min., etc., 1845, p. 38.
- 1846. Fortlockia McCoy (partim), Sil. Fossils Ireland, p. 50.
- Fluceps Barrende (partim), Syst. Sil. du Centre Beleme, I, p. 498.
- 1864. Phacops Salter (partim), Men. Brit. Tril., Pal. Sec., p. 14.
- 1888. Fhaceps Hall, Pal. N.Y., 7, p. XXVII.
- Phacops (=Somatrikelon) Reed, Geol. Mes., (5), 2, pp. 226, 228.
- 1911. Fhaceps Wedskind (partim), Zeitsch. Deutsch. Geo., Ges., vol. 63, p. 317.
- 1913. Phaceps Raymond, Zittel-Eastman Texib. Pal., 2nd ed., p. 726.

As here restricted and based upon the genotype, the genus includes all of Phacops Wedekind with the exception of the Silurian group of P. stokesii. Although the author of Phacops did not choose a genotype for it, P. latifrom Bronn has been so designated by Barrande. He practically selected it in 1852 defining the usage of Phacops by referring to the type of P. latifrons.

The status of Somatrikelon McMurtie requires consideration, since, if established, as a synonym of Phacops s. str., it would have priority. McMurtie (1819) described a new genus and species, Somatrikelon megalomaton, from a specimen found in "a block of limestone from the falls [of the Ohio]". In the diagnesis given, it is said to have a corrugated (segmented), tripartite, convex body, the axis arched, with a row of tubercles on either side, and the head subrotund with very large eyes. The "mouth" is said to be "formed like that of a snapping turtle". It may possibly have a tuberculose surface, for the statement is made that there is "not the smallest

tubercle or wrinkle but what is preserved in its original form". The author must be referring to something more than the tubercles at the extremities of the axial thoracic segments or he would not make use of the superlative. Only one specimen was known. The tripartite and corrugated (segmented) body suggests a trilobite. The large eyes point to either a Proctus or a Phacops. Both are present in the Devonian at the falls of the Ohio. The very large eyes and the possibly tuberculose surface suggests a Phacops. Three forms are found in the vicinity. Phacops rana Green occurs in the Jefferschville limestone and Sellersburg beds (Onondaga and Hamilton).* P. cristata Hall is in the Jeffersonville limestone and just above the hydraulic beds of the Hamilton," while its var. pipa Hall is found in the upper Chandaga.* They are all prenouncedly tuberculese, especially on the glabella. Indeed if we were certain of this character, Somatrikelon megalomaton McMurtie could be identified as a Phacops and as one of the three forms mentioned.

Vogdes (1893, p. 163) has listed McMurtie's species as a synonym of Phacops rana Green and Reed (1905, p. 226) suggests the possible use of Somatrikelon, but does not discard Phacops for it (1905, p. 228). The evidence certainly does not justify any decided conclusion. Therefore, since McMurtie's description although suggesting a Phacops is not at all conclusive, since only one specimen ever existed and that apparently is now less, and as no one has adopted it although recognized by Vogdes, the writer prefers to regard it as having a doubtful status. As Vogdes observed long ago the generic name is very unsuitable anyway, applying as it does to the Trilobita as a whole.

Genelype: Phocops latifrons Brenn.

Subrenus Portlockia McCoy emend.

- 1839. Phaceps Emarich (partim). De Trilob. Dissert., p. 18.
- 1843. Phacops Geldfuss (partim), Neues Jahr. Min., etc., 1843, p. 564.
- Phacops Emmrich (partim), Neues Jahr. Min., etc., 1845, p. 38.
- Portlockia McCoy (Partim), Sil. Fossils Ireland, p. 50.
- Phacops Barrande (partim), Syst. Sil. du Centre Boheme, 1, p. 498.
- 1864. Phacops Salter (partim), Mon. Brit. Tril., Pal. Soc., p. 14.
- 1906. Phacopidella Reed (partim). The Lower Palæozoic Tril. Girvan, III, Pal. Soc., p. 154.
- Phacops Wedekind (partim), Zeitschr.
 Deutsch. Geol. Ges., vol 63, p. 317.

^{*}r'ersonal communication, E. M. Kindle.