twenty-eight species as representing our British contribution tewards the genus. Some of these are found only in Scotland, often high up amongst the mountains, and some occur even in brackish water. The genus forms a series gradually diminishing in aize from $\frac{1}{2}$ to 1.16 in ., and the uninitiated woald, no doubt, wish to consider the smaller species as young examples of the larger ones; but it must be remembered that insects do not grow when once they have agsumed the adult form ; their period of growth consists exclusively of their earlier stages, farvahood and puphood. Having once donned their wings, they have no further anziety as to the fit of their chitinous clothing. Their dimensions are finally established. The limit of variability as to size are usually not very wide in any given species, the greatest divergence being found in subh insects as are dependent in their earlier stages upon food that is inter mittent or precarious in supply. The Corixide possess fnllyformed wings, and the hinder pairs are exquisitely delicate, and show rainbow tints. They readily take to flight, and at night are sometimes attractod to a light, 80 that if a window be left open on summer evenings near a pond they may be expected to be amongat the visitors that make headlong for the lamp. Dr. Puton, the French Hemipterist, says that in Mexico Corizæ are so abondant that a kind of bread is made of their eggs, and he further makes the astounding atatement that on one occasion about a twelvemonth ago thousands fell from the air daring a storm in Turkestan, coming down like rain in such enormous numbers as actually to extinguish a fire at a travel. ler's bivonac.


Fig. 1.-Naucoris cimicoides.
Our last representative of the Hemipter of this part of the pond is caHed Naucoris cimicoides (Fig. 1), it is a flattened creature of oval outline, with a very sharp beak which it is not at all slow to use, making its unwary captor drop it in mont startled fashion under the impression that a severe wound heo been inflcted. However, the pain is only temporary, the weapon being merely a piercer and not really a sting.
In all these insects, it appears at first sight as though the antennæ are wanting; this is not, however, really the case, The organs in question are very short, and concealed in dopressions behind the eyes ; hence the name Cryptocerate, hidden-horns, by which this particular section of the waterbags is distinguished.
(To be Continued.)

## MOVEMENTS OF THE EARTH.



Fia. 40. Foucault's arrangement for determining the velocity of light.
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Fig. 4I.-Michelson's variation of Foucault's experiment.


Fic. 42.-Annual chamge of a star's position, due to aberration : a $b c d$, the earth, in different parts of its orbit: $a^{\prime} b^{\prime} c^{\prime} d^{\prime}$, the corresponding aberration places ofithe star, varying from the true place in the direction of the earth's motion atuthe rime.

