reproductive system being the most prominent and permanent in all forms of life, it is justly selected as a basis. Ungilata, for instance, is recognized as a generic order among animals possessing non-deciduous uteri, and its name further signifies that all of this class have all the toes or digits protected by a case forming or approaching to a hoot. Now, the possession of hoofs, of itself, is not of sufficient evidence on which to base an order; but taken, with the peculiaritios of dithused or cotyledonary placenta, of milk teeth, alsence of clavicles and other concomitant anatomical idiosyncracies, it has a tirm hasis; but prople at large are not supposed to be familiar with these, while a hoot or a hoof-like tendency is patent to all-hence the title.

By dividing the order Cugmlata into two sub-orders, we have, Perissonactioh (ofdtoed) and Artionartya (even-toed), and approach a step wearer the desired result. The tormer is further recognized by the possession of not less than twenty-two (22) dorso-lumbar vertebar, a simple stomach, large carcum, udders in the groin or inguinal region; and when horns are present, as being entirely epidermal and devoid of bony core, and placed in the centre of the skull; there are also other minor characteristics too numerous for mention in this comnection. This order embraces the Equida, or horse family. Rhinoce otide, or rhinoceros fanily, and Tapiride or tapirs.

The Artionamtia, or even-tued, has two sub-orders, the Rumantia, or those provided with compound stomachs, and the NonRumantia. The former have but one pair of incisor teeth in the upper jaw of the aduit, and those the outermost ; canine teeth may, or may not be present above, they almost always exist below and are trequently so approximated and inclined forward as to be mistaken for true incisors, which they closely resemble in form ; the third and fourth digits are consolidated into one, whlgarly known as the "cannon-bone," and there is an extra metatarsal or ankle-hone, appearing as it the detached distal end of the
fibula; the stomach is compound-"' all chew" ing the cud"-with not less than three more, commonly four, divisions. Of this sutrordef we hold the sheep, decr, or ox as a type.

While Rumantia might very properly le held as a family instead of sul-order, for convenience sake, and greater ease of approxima' tion, it is divided into the families of Tragu' lide', C'otylophera and Camelide', the formef with the false musk deer as a type, the second with deer, antelope, and oxen, and the last embracing camels, llamas, ete.

In turn, Cotylophera may be divided into sut-fimilies as Bovide, Cervide, ete., though the anatomical differences are not sufficient to absolutely warrant it; to prevent confusion, however, it is perhaps better so. Next we have the genera Cerrus, Bos, Oris, Antilocapra, etc-

As classification now prerails, we have an order, Rumantia, embracing familes of Cervi dae, and Cavicomer, etc. The latter is usually again divided into sulrfamilies of Ocince, Boviner, Aploceriner, ete., and the former given the sulrfamily of Cerrime. The Cervine ent brace the following genera: Alces (clk of moose), Rangifer (reindeer or caribon), Cervis, (wapiti or stag), and Cariacus (Virginia, black tailed, mule decr, etc. The characteristics of the family Cervidae are given as "Incisors, ${ }_{8}^{\prime}$; canines, ${ }_{0}^{1-1}$, , or wanting; molam, ${ }_{6}^{6-6}$; antlers solid, deciduous not encased by horns, sometimes wanting. Foot lifid."

Sub-family, Corrine-"Horns solid, always present in males, sometimes in temales, not covered with skin; foot bifid, with two small hoofs behind and above the large ones."

Genus Alces-" Horns in male only, broadly palmated at tip; nose broad, hairy excep small spot between nostrils."

Rangifer-" Horns in loth sexes, broadly palmated at tip; nose hairy."

Cercus-" Horns on male only, rarely subr palmate, curved backward, snags forward, one immediately ahove the harr fail short; hoofs broad and rounded."

To be Continued.

