

BOREMYS, A NEW CHELONIAN GENUS FROM THE  
CRETACEOUS OF ALBERTA.\*

By LAWRENCE M. LAMBE, F.G.S., F.R.S.C., Vertebrate Palæontologist to  
the Geological Survey of Canada.

The writer described in the January number of this journal a new species of Pleurosternid turtle from the Cretaceous rocks (Belly River or Judith River formation) of Red Deer river, Alberta. The material on which the species was based, was obtained by the writer on Red Deer river in 1898 and 1901, and consists of the entire plastron with the anterior half of the carapace of one individual (type), a second carapace, and parts of other plastra, all of the specimens being from the same locality and horizon near the mouth of Berry creek, a tributary of Red Deer river. The species in question was named *pulchra* and was referred to Leidy's genus *Baëna*. It is now considered that this species belongs to a new genus, distinct from *Baëna*, for which the name *Boremys*, indicative of a northerly habitat, is proposed.

The carapace of *Boremys pulchra* is remarkable in having a row of three large supramarginal shields on each side, in line with the 2nd, 3rd and 4th vertebral shields, between the costals and the marginals. The total number of costal shields is twelve, there being the normal number, eight, with one on each side of the 1st vertebral and one on each side of the 5th vertebral.

The presence of supramarginals is regarded as a generic character of some importance which, taken in conjunction with the structure of the plastron, indicates a hitherto undescribed type of Pleurosternid quite distinct from *Baëna*, its probable nearest ally.

As regards the anterior and posterior costal shields of *Boremys pulchra*, the anterior ones at least occur in *Baëna arenosa*, *B. undata* and *B. hebraica*, as described and figured by Cope in his "Tertiary Vertebrata," vol. iii, 1884.

The genus *Boremys* may be characterized as follows :—

Supramarginal shields present in the carapace ; mesoplastra well developed, in contact in the median line for some distance ;

\* Communicated by permission of the Acting Director of the Geological Survey of Canada.