

河北滦平县足印化石

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本文所记述的足印化石,由河北省地质局综合研究地质大队刘乐年、杨坚两同志送来。按该队送阅的剖面,足印化石产自 J3d 第五层(GH 047),即峰窝梁(6)层以下。以上第十一层,产狼鳍鱼(*Lycoptera davidi*)。以下第二层中还产一有尾两栖类,未知其详。

系 统 描 述

属: 张北足印(*Changpeipus Young, 1960*)

种: 滦平张北足印(*Changpeipus luanpingeris Young*)

正型材料 一大块岩石上具有两个不完全的足印。野外号: GH₂047。

地点与层位 地点如上述,时代 J3d 中部(亦据野外所寄剖面等材料)。

描述 如图版 I 所示,在一块粗砾砂岩上,有两个足印,均为正形。右边者跟部缺失,但前部保存完好,具有三趾,为 II—IV。III 与 IV 间,因两者挤压凸出,并非一趾。左侧者保存不如右边完好,其特性当以右者为准较为合适。岩石较细部分,凹入较深。粗者较浅。II 趾最短,III 较长,IV 亦较长,保存部较长为 II 90, III 105, IV 100mm。由三趾到跟部角度估计为 30° 左右。II—IV 极宽处为 170mm。

讨 论 与 鉴 定

根据以上所述滦平足印,与 1960 年所记述的 *Changpeipus carbonicus* 极相似。但考虑到张北足印为下或中侏罗统,而目前的标本为上侏罗统,而且也有些性质与之大不相同,如 II 趾较小等,固定为一新种,名曰滦平张北足印(*Changpeipus luanpingeris sp. nov.*)。这一发现,增加了这一属的分布。对地层对比来说,也有一定的意义。

参 考 文 献

Young, Chung-ehien., 1960: Fossil Footprints in China. *Vertebrata Palasiatica*, Vol. IV, No. 2 pp. 53—66.

FOOTPRINTS FROM LUANPING, HEBEI

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Summary

The here described footprints have been collected by the member of the Geological party of the Bureau of Geology of Hebei province.

The right one shown on the plate I. is better preserved. The main characters are based upon this print. It composed by three digits II—IV and II is the shortest one. The other two are longer. Unfortunately the heel is not completely preserved. But as judged by the lateral border of II and IV the angle of the heel is estimated about 30 degrees.

In comparison with the footprints known in China, the *Changpeipus carbonicus* from Sungsankang coal mine Huinan, Kirin province is very close to the present specimen. However. The digit II of the *Luanping* is much shorter. We proposed to name this specimen as a new species *Changpeipus luanpingeris* sp. nov.

