NOTICE OF THE RECOVERY OF A SECOND ADULT
SINANTHROPUS SKULL SPECIMEN*

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During the latter part of October 1929, Mr. W. C. Pei recovered in situ from the Chou Kou Tien deposit a worn adult Sinanthropus tooth, the site of this discovery being designated in Teilhard and Young's preliminary report as Locus D.** Subsequently from material removed from this Locus there were obtained from the sieves in the field four other Sinanthropus teeth similarly worn, and from the laboratory a worn upper molar and a lower premolar tooth. We are now able to report the recovery from the material of Locus D prepared in the Cenozoic Laboratory of a new and most important specimen representing the greater part of the vault and a portion of the base of a second Sinanthropus skull. The specimen is evidently from a young individual, possibly a male, of fully adult age.

The new specimen has been pieced together from uncrushed fragments whose broken edges actually fit one another, no other restoration having been made in the skull now exhibited and illustrated by the accompanying natural size photograph.

Though the resulting specimen is somewhat fragmentary yet it yields valuable information concerning certain parts not represented on the first more perfectly preserved skull. Compared with the latter the new specimen also presents certain slight though significant differences in its shape and size which are possibly due to a difference in sex between the two. The new specimen is of approximately the same maximum vault breadth as the first but its length from nasion to lambda is greater than the latter by some two centimeters. In the new specimen the frontal eminences are not so prominent nor is the average thickness of the skull vault as great as in the

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first. In the latter respect the new specimen resembles the earlier skull fragments recovered from Locus B.*

Reference to the illustration makes it clear that much of the base has been lost but a considerable portion of the left sphenoid and a part of the left temporal bone have been preserved. On the latter a small part of the glenoid fossa has been retained and it is of further interest to note that the nasal suture and the base of the broad nasal bones are similarly preserved.

A more complete description of this interesting specimen will be given at a subsequent meeting of the Society when the full data concerning the first skull will be available for comparison.

Explanation of
Plate I.
PLATE I.

Left lateral view of the new adult *Sinanthropus* skull specimen. Since the original contact surface between the tempero-sphenoidal fragment and the other skull parts is preserved over a distance of approximately but two centimeters, it was found necessary for exhibition purposes to support the former in its true relation with plaster of Paris. The latter has also been colored to match the general tone of the specimen in order to reduce the halation when taking the photograph here reproduced but the irregular mass of plaster may readily be distinguished in the tempero-parietal region in Plate I. This natural size photograph was taken with a telephoto lens, the distance from the latter to the object being over four meters.
Black:—Recovery of a Second Adult Sinanthropus Skull Specimen

Plate I.