(*c*) with the 1*st* or *superior frontal sulcus*, complete in 9, incomplete in 1.

(*d*) with *inter-parietalis*, complete in 7, incomplete in 4.

Of the 19 brains there was not one in which the *fissure of Rolando* had not on one side a connection with some other fissure. Altogether there were 58 connections, 35 on the left and 23 on the right side.

II. The *Sylvian fissure* communicated with :

(*a*) *fis. R.* in 18 completely, in 6 incompletely.

(*b*) with *frontal sulci* in 18, incomplete in 7.

In 7 brains it existed on both sides ; only absent on both sides in 3.

(*c*) with *fis. inter-parietalis* in 22, incomplete in 6.

(*d*) with 1*st temporal* in 18, incompletely in 4.

III. The *fis. inter-parietalis* communicated with :

(*a*) *fis. R.* complete in 7, incomplete 4.

(*b*) *fis. Sylv.* complete 22, incomplete 7.

(*c*) 1*st T.* complete 19, incomplete 6.

In the 38 hemispheres there were 51 complete and 16 shallow connections of the inter-parietalis.

IV. The *scissura hippocampi* communicated with : *parieto-occipital*, complete 17, incomplete 2.

V. The *calloso-marginal fissure* : with *parieto-occipital*, complete 8.

VI. The *parieto-occipital :* with *inter-parietalis* and *horizonal occipital*, complete 21, incomplete 6.

These were the most important connections ; the others I shall not refer to.

The second peculiarity which Prof. Benedikt has noted in the brains of criminals is the existence of 4 horizontal gyri springing from the ascending frontal or anterior central convolution. This he regards as an animal similarity, and a reversion, so to speak, to the typical four primitive gyri of the brains of carnivora. The fourth gyrus is formed by the splitting, by a deep fissure, of either the 1st or 2nd convolution. In his latest communication