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MS. 6925 Platinum Method for the Central nervous System, By W. Ford Robertson, M. D. (note summarising points Illustrated in microscopical) Semmatriction given at the metry of the society heldon , The platimum method, a full description of which will be found elsewhere , consists essentially in placing small pieces of formalin-- hardened tissues in a mixture of platenum bichloride (1/2 per cent.) and formalin (5 to 20 per cent.) for several weeks or months. The Sections are cut by the dextrine freeging method and mounted 0.0 in balsam in the usual way. a deposit of platinum black occurs in the tessoes, tending specially to take place in certain elements. He histological picture produced is one enterely different from that obtained by the silver and sublimate methods of Jolgi. The preparations have served to formske conclusive evidence upon certain prestrons that were previously in dispute, and also to demonstrate at least two facts that are new, He following is a summary of the more important of these points. * Jext-book of Pathology in relation to mental Diseases, 1900, p. 28.

Intra-cerebral Vessels. - The connective tissue fibres of the vessel - walls are clearly depicted, Such fibres are shown to be present not only in the walls of the larger vessels, but also in those of the capellaries, which are thas proved, as had previously been supposed when other promits, to have a special allventited coat. Fibres may very commonly be observed to pass from one vessel to another. Such connecting fibres are as numerous as capellaries. They correspond to the very minute capillaries described some years ago by certain German authors, whose observation Therefore appears to have been a fallacions one. Inter-vascular Non-nervous Tismes. - He preparations have revoid to demonstrate "that the tissues previously referred to as "the neuroplis" are composed really of at least two totally different kinds of tissue. One of these conforms to the classical description of the meningling, whilst the other consists of very characteristic branched or branchless cells, which, under certain conditions, tend to be picked out by this method, and check

also deffer from neuroglie cells in structure, form, relation to other tissue-elements, and in behaviour under patholyceal states, There is, Juster, the strongest evidence to show that while the true neurodea is of epiblistic origin, the other elements are mesoblistic in charac ter. For this reason I have proposed that the latter should be termed "mesoglia cells". nerve-cells, - In some instances the primetive fibrils and endocellalar retienlum are demonstrated with considerable clearness. The geta granules and reticulum of the nucleus are prequently very distinctly brought out, and strony evidence in support of the view that they are acidsphill in character is formested by this fact. He whole of the chromatin of the more highly developed nerve-cells would appear to be concentrated in three or four minute particles adherent to the nucleolus (Guiseppe Levi). Lastly! the recently described lymph-canalically of the protoplasm are often very clearly discernible,

Description of Fjores, State Fig. l. arterioles in spine cond of art, shoring fibuls in walls, and fibrily passing from one need to another. Gbj: that's 4 mm.; Gc. Leitz h?l. Zeis Fy. 2. mesoglia cells in brain of dog. Note dichotomons branching of processes. Gbj. Lite 4 mm.; Gc. Leite 4:1. 4 mm.; 6c. Leity h? 1. Fig 3. never-cell in cerebral contex of sheep, showing fibrils is ageis- cylinder process. Obj. Leity 1/12 in oil immersion; oc. nº1. Jig. 4. Muclei of verse-cells in cerebal contry of day, shaving acidophile gran-ales. Obj. Leitz 1/12 in oil immersion; or. nº1.

