until the effect of the mydriatic is gone. He advises that the patient receive a small quantity of eserin solution, one grain to the ounce, a drop of which is to be instilled into the eye with the butt end of a match or toothpick. He reports several cases where an attack of acute glaucoma was excited by the cycloplegic.

Enlargement of the Blind-spot with Gradenigo's Syndrome.—VERDERAME (*Ann. di ottal.*, 1916, xliv, 538) summarizes Gradenigo's researches which led to the syndrome bearing his name—a disease-complex first described in 1904; the syndrome is characterized by a purulent otitis media with paralysis or paresis of the sixth nerve of the same side. Of the 6 cases observed by Gradenigo, 5 recovered, the other terminated fatally from purulent leptomeningitis. He refers the condition to a circumscribed purulent or simply serous leptomeningitis, which may recover spontaneously, or after operation through the temporal bone, but which sometimes spreads so as to lead to a fatal result. The otitic symptoms are due to infection of the tympanic cavity, which infection may spread to the base of the middle cranial fossa leading to paralysis of the sixth nerve. In a case of this kind, Verderame observed moderate mydriasis, enlargement of the blind spot and slight contraction of the color field; the only ophthalmoscopic signs were hyperemia of the disk and of the retinal vessels. At the end of a week all symptoms had disappeared except the mydriasis; of the significance of which latter symptom the author was in doubt.

HYGIENE AND PUBLIC HEALTH

UNDER THE CHARGE OF

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Immune Reactions in Scarlet Fever.—In an earlier work, G. F. and G. R. DICK (*Jour. Infect. Dis.*, 1916, xix, No. 2) reported the results of anaërobic culture from the blood, lymph, spleen, throat and mouth secretions in scarlet fever. Before further study of the organisms obtained in these cultures, they decided to test the various tissues from which these organisms were grown in order to determine whether or not a virus either ultramicroscopic or failing to grow with the cultural methods used was present as the primary cause of the disease. The secondary importance of the organisms obtained could then be demonstrated. The following tests were made on the blood and the results noted: Since antigens in the body fluids