found in the middle ear, serum in the remaining three. Bacteriological examination showed streptococci in the majority of cases. Pain and localised signs were present in 17, absent in 34 cases. Mastoid involvement requiring operation occurred in 4 cases only, and in 1 of these both mastoids were affected. In 3 cases jugular bulb thrombosis occurred. The chief points of interest in the paper are sufficiently indicated above Cases are quoted and charts given. *Macleod Yearsley.*

Haug, Rud (Munich).—*Cysts of Tympanic Membrane.* "Archives Intern de Laryngologie," etc., November—December, 1904.

Professor Haug records a case of a young woman aged thirty six who came to him complaining of increasing deafness. On examination the tympanum in the left ear was completely hidden by a large spherical growth, bluish-grey in colour, and of a soft consistence. On incision a yellowish-brown liquid escaped without any fœtid smell, and containing crystallised granules. A second cyst was discovered behind the large one, containing the same kind of fluid.

No trace of the hammer could be found, but what appeared to be membrane was seen between the remains of the two cysts. On incising this a hissing sound of escaping air was heard, but no fluid. An immediate improvement in the hearing took place.

The contents of the cysts consisted of degenerated hæmoglobin, cholesterin crystals, and epithelial cells in various stages of degeneration. *Anthony McCall.*

Pugnat, Amedée (Geneva).—*A Case of Periostitis of the Temporal Bone, complicated by a Sub-periosteal Mastoid Abscess.* "Archives Inter-de Laryngologie, etc.," November—December, 1904.

The patient had acute otitis, which was quickly followed by a discharge, only slight and lasting a short time. This was followed by a swelling behind the ear and extending to the eyebrow on the same side, which proved to be a subperiosteal abscess. A mastoid abscess was also present. The author asks the question whether an early incision might not have saved this complication.

A bacteriological examination of the pus revealed the presence of streptococci. *Anthony McCall.*

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