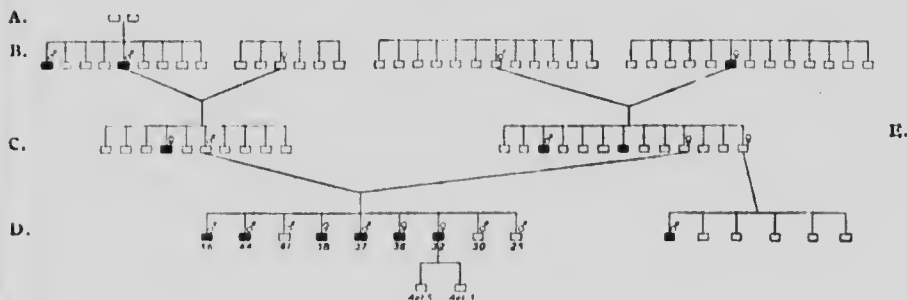


played Gellé's test in this investigation as I have never been able to satisfy myself that it is reliable.

The first family tree is the most complete and instructive that I have been able to procure. (See Table II.)

TABLE II



Viewing the tree as a whole, it will be seen that both on the paternal and maternal sides fecundity is a prominent feature, though probably this is not to be associated with the otosclerosis. In the next place, on the paternal and maternal sides of the present generation the families were only very slightly burdened by deafness. It must be mentioned that no blood relationship existed between the father's and the mother's families. Another very important fact to be noted is that neither the father nor the mother of the present generation were in themselves deaf, and yet, of the nine children of this marriage, six are already the victims of otosclerosis, and of the three who are not deaf, one has not yet reached the age at which her brothers and sisters tended to become affected, and another is only just at that age, viz. 28 to 30 years. The only one with good hearing who has definitely passed that critical age is at present 41 years old.

D 1. The patient is a male, *et.* 46. He was examined