

at a book, but they cannot read ; the lines waver like the air over a field on a hot summer's day. These zigzags are generally colored, and very often amongst other colors there is a green color.

We do not often hear of any hallucinations of smell or taste accompanying migraine, so that probably the contraction of the vessel stops nearly opposite to the ascending parietal branch. But sometimes patients may complain very distinctly of motor symptoms, and one of the most marked is aphasia, and in some cases of sick headache you will find your patient may become completely aphasic. How far this is due to the occurrence of atheroma within the arteries I do not know, but in one patient in whom the aphasia was well marked during an attack of sick headache I found after death, which resulted some years subsequently from hemorrhage into the pons, that the cerebral arteries were studded with atheromatous patches.

In tumor of the brain the headache is intensely severe, but it is almost always accompanied by severe vomiting, which is of a peculiar character, unassociated with nausea. It is sudden and violent, and immediately after the vomiting is over the patient feels well again and is able to eat. Associated with those two cardinal symptoms we find optic neuritis, and, when we find a headache without the other two symptoms, the probability is that it is functional and not due to any tumor whatever in the brain. Another cause of headache seems to be associated more with some of the fibrous tissues. There may be inflammation of the periosteum of the head, just as there may be inflammation of the periosteum of any other bone, and this inflammation may affect the periosteum either from gouty, rheumatic or syphilitic irritation.

Treatment.—The first method of treatment in headaches is of course to try to supply the brain with healthy blood ; to clear away any toxins that may be present in it ; and one method of doing this I have just mentioned—namely, the administration of a blue pill and a black draught. But more than this, we may try to give something which may have the power of counteracting these toxins or of producing elimination from the liver, and I have found by personal experience the easiest way of getting rid of the toxins or of counteracting their effect, I do not know which, is to keep up the action of salicylic acid or salicylate of soda. So that in persons who are liable to headache I generally prescribe salicylate of soda, 15, 20, or 30 grains at night, with 10, 20, or 30 grains of bromide of potassium. This mixture acts better than either salicylate of soda or bromide of potassium alone, and it will