You will see also specimens of myelitis, following fracture of some of the bodies of the vertebrae and consequent hæmorrhage, from the case brought before you by Dr. Beddoe on a recent occasion. The section shews great increase of the connective tissue; no amyloid bodies; special diminution of the elements of the grey matter, the multipolar cells being few in number; and a great deal of granular matter in the place of the grey substance.

Lastly, there is a specimen for the middle of the cervical bulb of the cord, shewing a different form of sclerosis, in a case of general paralysis of the insane. The disease here shews itself in the white matter, and to a less degree in the grey, in the form of small masses of semitransparent material, with more or less irregular outline. The posterior columns are chiefly affected.

In a meeting composed of busy practical men, it would be scarcely seemly to leave untouched the question of treatment, and it is as bearing upon treatment that a knowledge of the pathological anatomy is so important. For what, after all, is usually the main lesion in myelitis, except in the most rapidly fatal cases? It is increase of the connective tissue, and disintegration of the nervous elements consequent on this increase. Now this increase of connective tissue is a proof that we have to deal with a slow inflammatory process. Softening may take place rapidly; induration is invariably gradual. This being granted, and it being now known that we have to deal with a similar lesion, affecting various portions of the cord in paraplegia from myelitis, in many cases of infantile paralysis, in locomotor ataxy, and in some cases, at least, of progressive muscular atrophy, we have before us two principles of treatment, one to support the patient by food, rest, and warmth, and the other to improve the tone of the altered vessels. In acute cases, the use of leeches, blisters, etc., is contra-indicated, partly by the fear of bed-sores, partly by the tendency to depression induced by lesion of so important an organ as the spinal cord. A better effect is obtained by the use of the spinal ice-bag. My own experience points to the advisability of using it alternate hours, watching the pulse carefully meanwhile. It relieves acute symptoms, depresses the temperature, and enhances the comfort of the patient. The drugs most useful in the treatment of these cases are strychnine and ergot; strychnine in the more chronic cases, ergot in the more acute. In infantile paralysis, strychnine will help towards a perfect cure; in progressive muscular atrophy, in locomotor ataxy, and in chronic myelitis, it puts off the evil day, and improves the condition of the patient amazingly; and although acute myelitis is a fatal condition, and may end in death, even in eighteen or twenty hours, yet, in many cases, the combined use of the icebag and of ergot will prolong life, and in some few instances may allow acute myelitis to become chronic. I am far from mentioning these remedies as alone useful, but one cannot help speaking well of what has been found advantageous in one's own practice.

BROMIDE OF POTASSIUM AS A FEBRIFUGE.

By CHARLES MACLEAN, M.B., Applecross.

THE following particulars of a case, taken from my notes, illustrate the value of bromide of potassium in fevers. It came under my care on January 10th; and, as it was a convenient one for observation, I resolved to give a fair trial to the medicine. I had a confidence in it, grounded on some former experience of its efficacy; but the result, I am bound to say, exceeded my expectation. The following are the details.

January 10th. B., a well-nourished woman, aged about 40, was taken ill four days ago, with a well-marked attack of enteric fever. Pulse, 140; temperature, 105.2 deg. Fahr. The respiration was hurried; some sibilant rales were heard over both lungs. The expression of countenance was anxious. The tongue was red at the edges, with a whitish fur down the middle. The bowels were relaxed; the evacuations somewhat bloody. There was tenderness on pressure in the right iliac region. I gave a dose of chalk mixture, with ten minims of tincture of opium, to be followed by twenty grains of bromide of potassium three times a day.

January 13th. There was remarkable improvement in all the symptoms. Pulse, 100; temperature, 101 deg. F. The characteristic pea-soup stools were present, without any blood. There was occasional cough, but hardly as troublesome as on this last day. The respiration was little, if anything, above the normal in frequency. Some pain was still occasionally felt in the right iliac region. The bromide was continued as before.

January 14th. She was much the same as the previous day, and was ordered to continue the medicine, with milk and farinaceous diet.

January 15th. She was improving. Pulse, 94; temperature, 99.5 deg. The evacuations were less frequent, and of the same character.

The tongue was clean and moist. The countenance was placid. She was ordered to continue as before.

January 17th. The medicine was omitted.

January 19th. Pulse, 116; temperature, 100 deg. The tongue had become, as at first, furred in the middle, and was protruded tremulously. The face was flushed and anxious. Respirations 45 in the minute. Sibilus was heard extensively over the chest, but no small crepitation was audible, on the most careful examination. Thirst was complained of. The bromide was recommenced at once; and diluents were given *ad libitum*.

January 22nd. Pulse, 90; temperature, 98 deg. The countenance had a cheerful expression. The tongue was uniformly clean. The bowels were well. The cough was sometimes troublesome, but the respirations were 22 in the minute.

January 23rd. The dose of bromide was reduced to twelve grains.

On the 29th, convalescence was quite established; and on the 31st she was up most of the day and fast gaining strength.

In the intervals between the 10th and 13th, and 19th and 21st, I was unavoidably absent; but, from what I could gather, an improvement took place on both occasions in thirty or thirty-six hours after the bromide was commenced. I reduced the dose on the 23rd, because the temperature remained at 98 deg. F., a little lower than I thought necessary, and I feared a reactionary movement might take place if she were kept too deeply under its influence.

If the facts of this case prove nothing as to the efficacy of the bromide, there must have been one or two remarkable coincidences in the case. I am, however, of opinion, from what I have before seen of it, that there was more than mere coincidence in the matter.

A word as to the physiological action. If, as I believe, bromide of potassium acts by constricting or giving tone to the minute vessels directly, it is calculated to strike at the very root of the disease in fever; for it will then take the place of the paralysed vaso-motor system of nerves, and thereby keep in abeyance that inevitable tendency to congestion that follows the premonitory stage of the disease—the stage characterised by excitement or rigor.

If this view be correct, it is, I think, obvious that the use of the bromide in the treatment of pyrexia is much more in accordance with physiological principles than the direct application of cold; for, however useful the treatment by cold water may be, one thing we must remember is, that we are not treating *heat*, for temperature is a mere symptom of disease; an useful index, no doubt, of the degree of mischief and oxidation of the elements going on in the system.

LEPROSY OF THE JEWS.

By BENJAMIN BLOWER, M.R.C.S. Eng., Liverpool.

I HAVE been much interested with the lectures and letters on leprosy, which have lately appeared in the JOURNAL, but I do not think the leprosy of the Jews is a subject by any means exhausted; and, therefore, beg permission to add a few lines. In studying the Scriptures, we should endeavour to divest our minds of everything apart from the object of revelation. However interesting in a sanitary point of view the laws given to Israel may be, we must remember that "*salus populi lex suprema*" is not the object of the book, but the affairs of the soul.

Turning to Leviticus, chapter xiii, we find the priest not endowed with power to heal, for this the law could not do; but with directions to distinguish two kinds of leprosy from other allied diseases which, apparently infectious, were not unclean. The leper white all over, was not unclean, or kept apart; Gehazi talks with the king in the gate of justice (Second Kings, chap. viii, verse 4). Even among the Syrians Naaman was a great man with his master (Second Kings, chap. v, verse 1). But the leper with raw flesh is unclean; his disease is of all others the most loathsome and disgusting, incurable by human efforts, and transmissible to his offspring. He must dwell outside the camp; we are not told it was on account of contagion. Other infectious diseases are not so separated; for example, "The Lord shall smite thee with the itch, whereof thou canst not be healed" (Deut. ch. xxviii, v. 27); "and the plague, spread not in the skin, the priest shall pronounce him clean, it is but a scab, he shall wash his clothes and be clean" (Lev. ch. xiii, v. 6); "a sore botch that cannot be healed" (Deut. ch. xxviii, v. 35). Unclean evidently means unlawful for use by a typical people. The altar and the priest had to be cleansed, and "almost all things were purged with blood" (Heb. ch. ix, v. 22). The spiritual significance of this separation is not for discussion in a journal devoted to medicine; but from what has been said I take it for granted it was not on the score of health, but "that they defile not the camps, in the midst of which I (the Lord) dwell" (Num. ch. v, v.