

the 1st March, and another on the 2nd, of three hours' duration. His intellect has been clear up to this time, except during the height of the paroxysms. I may remark here that after the occurrence of the cold stage, which is always followed by fever, there is an entire intermission, the pulse declining and temperature falling to usually below normal. During the fourth week, the pulse ranged from 74 to 100 in the morning and 84 to 90 in the evening, and temperature from  $96\frac{1}{3}^{\circ}$  to  $100^{\circ}$  in the morning and  $97\frac{1}{3}^{\circ}$  to  $102\frac{1}{3}^{\circ}$  in the evening. The highest and lowest pulse rate and temperature are given in each week. Began to get cold about 6 p.m. on the 4th, the paroxysm ending at midnight.

8th, 9.30 p.m.—Pulse 78; temperature  $97^{\circ}$ . At 11.45, Dr. Williams saw him. Temperature  $96\frac{1}{3}^{\circ}$ ; pulse 75. No pain in his head nor anywhere else, but feels very weak. Had a short cold stage, varied with flushings of heat, for two hours on the 8th, and another on the 9th, lasting between three and four hours, but at evening the paroxysm was over. Pulse 74; temperature  $98\frac{2}{3}^{\circ}$ . Slept well all night. At 7 next morning (10th) the cold stage began, and did not end till 11 a.m. Pulse 86; temperature  $99\frac{1}{2}^{\circ}$ . At 12.30, pulse 115; temperature  $103^{\circ}$ . At 1.30, pulse 112; temperature  $102\frac{3}{6}^{\circ}$ . Is exceedingly restless, turning from side to side. Terrific pain in his head; feels as if it would burst. 7 p.m.—Pulse 98; temperature  $99\frac{1}{3}^{\circ}$ . Some pain in the back of his head, also along the spine, yesterday and to-day. The day and night of the 11th were so severe that I continue the notes. He wished a change to hot applications to his head, thinking it might benefit him, and they were tried, with bad effects. 9.50 a.m.—Pulse 80; temperature  $97\frac{2}{3}^{\circ}$ . Passed a good night; took  $\frac{1}{4}$  grain of morphia and slept well after the second dose; feels much refreshed this morning. 5.30 p.m.—Pulse 96; temperature  $103\frac{3}{4}^{\circ}$ . Pain began about 1.30 p.m. and the cold stage at 2.30; bottles of hot water were placed all around him and his head bathed with tepid whiskey and water. At 5.30, began to apply hot water cloths to his head, and gave 10 grs. quinine; at 6.15 the chill ended. 6.30 p.m.—Pulse 110; temperature  $103\frac{3}{4}^{\circ}$ ; his head feels a little better. 7.30 p.m.—Pulse 112; temperature  $102\frac{1}{3}^{\circ}$ ; mind is wandering, but answers correctly. His hair has been closely cut to-day, and his head painted three times with Tr. Iod. Co. Is very restless, and thinks he cannot live; later, he became unconscious, and remained so until morning, tossing from side to side all night. When reason had returned, he thought he had passed a good night. Examined his urine; specific gravity 102-3, no albumen. Blood much changed; some of the red corpuscles appear large and flabby, others small and crenated; no rouleaux