and acted upon, and where no doubtful reactor is passed as free, a very gratifying result will soon be achieved in any affected stud, and the cost will be less in the end than where inadequate or restricted interpretation of what is meant by in-contact horses is accepted.

THE EMPLOYMENT OF IODINE IN PNEUMONIA.

By A. C. NEWSOM, Major, A.V.C.

IN an article on Pneumonia and Pleurisy by the present Director-General, A.V.S., published in Nos. 1 and 2, Vol. X., of the *Journal of Comparative Pathology and Therapeutics*, a suggestion is made as to the possible value of iodine in the treatment of these diseases. With a view to testing this point all cases admitted for treatment to the S.V. Hospital, Woolwich, suffering from these affections of the chest, from 30th April 1907 to 15th December 1908, were submitted to a routine treatment as detailed briefly hereunder. Forty cases were treated during this time, of which four died.

Routine Treatment.—Iodine was administered in doses of 1 drachm in bolus twice daily from the time diagnosis was made till convalescence was established, or till symptoms of iodism appeared. Where the condition suggested the necessity of stimulants, ether in drachm doses was given hypodermically.

In seven cases (Nos. 3, 5, 9, 16, 31, 35, and 38) symptoms of iodism were noticed, as evidenced by diminished appetite, disinclination to drink, a varying degree of skin eruption, and a slight mucopurulent discharge from the eyes. On the appearance of these symptoms the administration of the drug was at once discontinued, but otherwise it was given till convalescence was established.

The shortest period in which symptoms of iodism were observed was in Case 9, when they appeared in six days. On the other hand, Case 6 received the drug for twenty-three days and Case 18 for thirty days without exhibiting any adverse symptoms.

It appears justifiable to conclude from this series of cases that iodine is well tolerated and can be given in 1 drachm doses without fear of harm.

I am personally satisfied that the cases did better than under any other method of treatment which I have employed myself or seen carried out at the hands of others.

[TABLE.

TABLE OF CASES.

No.	Army No.	Unit.	Date of Admission.	Date of Discharge.	Iodine.		Result.	Remarks.
					No. of Days.	If Iodine Prescribed.		
1	51,393	A.S.C.	30.4.07	9.5.07	Nil	Nil	Died	Double pneumonia on admission. 3rd May, pleurisy. 5th May, fluid in chest. 7th May, chest aspirated. 9th May, died.
2	47,212	R.H.A.	16.7.07	12.9.07	9	Nil	Cured	Double pneumonia on admission—a very serious case. 25th July, crisis; iodine discontinued. Complete recovery slow but satisfactory.
3	52,064	R.H.A.	4.8.07	19.9.07	12	Slight	Cured	Double pneumonia—right side most affected. 10th August, slight iodism observed; iodine discontinued. Recovery uninterrupted.
4	48,431	R.E.R.A.	19.9.07	19.10.07	13	Nil	Cured	Pleurisy extensive, affecting both sides—a very serious case. 2nd October, iodine discontinued. Recovery uninterrupted.
5	48,509	R.H.A.	23.9.07	19.10.07	7	Slight	Cured	Double pneumonia and slight friction sounds, both sides. 30th September, slight indications of iodism. 19th October, iodine discontinued; discharged to make room in hospital. Complete recovery took place after three weeks' treatment as an out-patient.
6	52,637	A.S.C.	24.9.07	6.12.07	23	Nil	Cured	Severe double pneumonia. 5th October, iodine discontinued. 10th October, relapse with fluid in chest and rise in temperature; iodine resumed. 22nd October, iodine discontinued. 15th November, case convalescent.
7	48,547	R.H.A.	30.9.07	20.10.07	8	Nil	Cured	Double but not extensive pneumonia. 8th October, iodine discontinued. 20th October, cure completed and sent to full duty three weeks after discharge as an out-patient.
8	51,885	R.F.A.	9.10.07	24.10.07	8	Nil	Cured	Double pneumonia, confined to lower third of both lungs. 17th October, iodine discontinued. Recovery complete after fourteen days' treatment as an out-patient.
9	52,051	R.E.R.A.	21.10.07	3.12.07	6	Slight	Cured	No pneumonia on admission. 24th October, double pneumonia. 30th October, slight iodism; iodine discontinued. Uninterrupted recovery.
10	44,716	R.F.A.	28.10.07	16.11.07	13	Nil	Cured	Double pneumonia—extreme prostration and very unsatisfactory pulse. 10th November, iodine discontinued. Complete recovery after fourteen days' treatment as an out-patient.
11	48,455	R.E.R.A.	1.11.07	3.12.07	9	Nil	Cured	Symptoms of influenza on admission. 3rd November, pneumonia over lower half of both lungs. 12th November, iodine discontinued. Recovery uninterrupted.
12	52,631	A.S.C.	5.11.07	11.11.07	6	Nil	Died	Extensive double pneumonia. 6th November, pleurisy. 7th November, fluid in chest. 9th November, aspirated chest.
13	53,173	R.H.A.	9.12.07	23.12.07	9	Nil	Cured	Had been ill some days prior to admission. 18th December, double pneumonia, not extensive; iodine discontinued. Recovery uninterrupted. Complete cure after fourteen days' treatment as an out-patient.
14	53,133	R.H.A.	10.12.07	23.12.07	8	Nil	Cured	Symptoms of catarrhal fever on admission. 11th December, pneumonic patches in both lungs. 18th December, iodine discontinued. Recovery completed a fortnight after discharge from hospital.
15	53,257	R.H.A.	10.12.07	11.1.08	13	Nil	Cured	Pneumonic patches both lungs, with friction sounds. 18th November, iodine discontinued. 25th December, slight relapse; resumed iodine. 30th December, iodine discontinued. Recovery uninterrupted.
16	53,302	R.H.A.	27.1.08	7.3.08	9	Slight	Cured	Symptoms of influenza on admission. 31st January, double pneumonia. 9th February, symptoms of iodism; iodine discontinued. 14th February, slight relapse. 26th February, convalescent. Recovery uninterrupted.
17	54,763	R.H.A.	29.2.08	31.3.08	5	Nil	Cured	No special symptoms except high temperature on admission. 3rd March, pneumonic patches lungs. 8th March, iodine discontinued. Recovery uninterrupted.

18	52,713	A.S.C.	29.2.08	2.4.08	30	Nil	Died	Symptoms of influenza on admission. 3d March, double pneumonia. 7th March, pleuritic friction both sides of chest. 8th March, aspirated chest. 10th March, again aspirated. 25th March, again aspirated. 29th March, again aspirated.
19	54,380	A.S.C.	19.3.08	10.4.08	7	Nil	Cured	Three days sick before admission. Double pneumonia. 20th March, iodine discontinued. Kept under observation for a fortnight after discharge as an out-patient, when recovery complete.
20	54,929	R.H.A.	13.4.08	11.5.08	8	Nil	Cured	Symptoms of influenza on admission. 15th April, pneumonic patches both lungs. 23rd April, iodine discontinued. Kept under observation fourteen days as an out-patient, when recovery complete.
21	54,818	R.H.A.	20.4.08	18.5.08	11	Nil	Cured	Double pneumonia—not extensive. 10th May, iodine discontinued. Kept under observation as an out-patient for ten days after discharge, when completely cured.
22	52,678	A.S.C.	18.5.08	23.6.08	10	Nil	Cured	Double but not extensive pneumonia. 28th May, iodine discontinued. Recovery uninterrupted.
23	54,355	A.S.C.	11.—.08	10.7.08	11	Nil	Cured	Double pneumonia—not extensive, most marked right side. 22nd June, iodine discontinued. Recovery satisfactory.
24	54,857	R.E.R.A.	27.7.08	11.8.08	14	Nil	Cured	Double pneumonia—not extensive. 10th August, iodine discontinued. Recovery complete after fourteen days' observation as an out-patient.
25	54,688	R.E.R.A.	27.7.08	12.8.08	14	Nil	Cured	Double pneumonia. Very high temperature and marked prostration. 10th August, iodine discontinued. Kept under observation as an out-patient for three weeks, when recovery complete.
26	54,850	R.E.R.A.	5.8.08	26.8.08	5	Nil	Cured	Very high fever and pneumonic patches both lungs. 10th August, iodine discontinued. Recovery uninterrupted. Fourteen days' observation as an out-patient after discharge.
27	55,145	R.H.A.	10.8.08	13.9.08	17	Nil	Cured	Admitted with influenza. 13th August, double pneumonia. 13th August, pleuritic friction sounds both sides. 20th August, fluid in chest, and oedema between fore-legs under chest. 30th August, iodine discontinued. Seen at intervals up to 5th December, as there was a fear that a defect of wind might have resulted. Recovery was complete.
28	55,089	R.E.R.A.	22.8.08	22.9.08	9	Nil	Cured	Double pneumonia. 31st August, iodine discontinued. Uninterrupted recovery.
29	56,250	R.E.R.A.	1.9.08	21.9.08	11	Nil	Cured	Double but not extensive pneumonia. 12th September, iodine discontinued. Recovery uninterrupted. Kept under observation fourteen days after discharge.
30	56,689	A.S.C.	7.9.08	21.9.08	10	Nil	Cured	Double pneumonia—not extensive. 17th September, iodine discontinued. Recovery uninterrupted.
31	53,377	4th D.G.	23.9.08	30.11.08	8	Slight	Cured	Admitted with symptoms of influenza. 1st October, double pneumonia. 8th October, iodine discontinued as slight symptoms of iodism noticed. Very slow recovery as there was much loss of condition as a result of the attack.
32	54,607	A.S.C.	12.10.08	3.11.08	12	Nil	Cured	Double pneumonia on admission. 15th October, pleuritic friction sounds both sides. 16th October, fluid in chest. 25th October, iodine discontinued. Sent to complete recovery to branch hospital, where cure was completed in one month.
33	54,584	A.S.C.	14.10.08	3.11.08	9	Nil	Cured	Severe double pneumonia. 25th October, iodine discontinued. Sent for one month to complete recovery in branch hospital.
34	53,290	R.H.A.	21.10.08	30.11.08	8	Nil	Cured	Pleurisy affecting both sides. Fluid in chest from third day. 29th October, iodine discontinued. Recovery satisfactory.
35	54,605	A.S.C.	23.10.08	9.11.08	7	Slight	Cured	Double pneumonia—not extensive. 30th October, iodine discontinued as slight iodism noticed. Recovery satisfactory. Complete three weeks after discharge to branch hospital.
36	47,676	4th D.G.	3.11.08	24.11.08	6	Nil	Cured	Double pneumonia—not extensive. 9th November, iodine discontinued. Treatment carried on as an out-patient for three weeks before resuming duty as cured.
37	53,345	4th D.G.	5.11.08	24.11.08	7	Nil	Cured	Double pneumonia—not extensive. 12th November, iodine discontinued. Treatment carried on as an out-patient for three weeks after discharge from hospital.
38	53,387	4th D.G.	5.11.08	18.11.08	7	Slight	Died	Double pneumonia. 12th November, iodine discontinued as slight iodism was noticed. The case appeared to be doing well, but died suddenly.
39	53,009	4th D.G.	12.11.08	7.12.08	6	Nil	Cured	Double pneumonia—a severe case. 19th November, iodine discontinued. Recovery complete after fourteen days' observation as an out-patient.
40	55,334	4th D.G.	15.11.08	30.11.08	8	Nil	Cured	Double pneumonia—not extensive. 23rd November, iodine discontinued. Recovery complete after one month in branch hospital.