

Stanton, Sir Ambrose Thomas (1875-1938)

Contributors

Stanton, Sir Ambrose Thomas, 1875-1938

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April 27th 1914. Two sacks of polishings of the best quality available were obtained from a dealer, in Kuala Lumpur.

These were sifted through a sieve having a mesh of 30 strands per inch and the whole lot of sifted polishings thoroughly mixed together. A sample of sifted polishings was analysed by R. W. Blair and gave the following result:

The polishings were extracted with Petroleum Ether as described No. 17 Page 67.

Average of two analyses. R. W. B.

	Sifted Polishings	Sifted Polishings after extraction of fat
Moisture	9.60%	9.55%
Ash.	8.88%	10.86%
Proteids	13.41%	15.94%
Fat.	17.97%	0.20%
Carbohydrates	50.14%	63.45%
P ₂ O ₅	4.00%	4.85%

The present series of experiments is designed to test the effect of rice polishings and various fractions thereof in the cure of Polynematitis of fowls. In the first experiment twelve fowls are to be fed on white polished rice (K. skin) and water only. Among these a certain number of cases of Polynematitis will occur and such cases will be used to test the curative effects.

Experiment No 66. White Bristled Rice.

Fowl No 1. Black & yellow cock.

8. 5. 14 Wt 1385

13. 5. 14 Not eating. Crop empty. No obstruction
in throat.

14. 5. 14. Changed to cooked rice.

15. 5. 14. Died. Wt. 1150.

Pl. moderate emaciation only.

No cause for death discovered.

Blood. Stomach. Sciatic Nerve? degent.

No 1 A. Brown cock

22. 5. 14 Wt 1150

29. 5. 14 Wt 1185

5. 6. 14 Wt 1135

12. 6. 14 Wt 1020

19. 6. 14 Wt 950

26. 6. 14 Polyneuritis. Wt 915

Joint not fr. of joint of - f. polishing

3. 7. 14 Wt 995

10. 7. 14 Wt 1045

17. 7. 14 Wt 1070

24. 7. 14 Wt 1095

29. 7. 14. Cured.

31. 7. 14 Wt 1125

7. 8. 14 Wt 1140

Experiment K^o 66.

Fowl K^o 2. Black Throated cock.

8. 5. 14 W^t 1140

15. 5. 14 W^t 950

22. 5. 14 W^t 875

29. 5. 14 W^t 710

5. 6. 14 W^t 670

12. 6. 14 W^t 590

13. 6. 14 *polyneuritis*

14. 6. 14 Died at 2.45 P.M.

Fowl K^o 2 a Brown cock.

19. 6. 14 W^t 1445

26. 6. 14 W^t 1410

3. 7. 14 W^t 1345

10. 7. 14 W^t 1265

17. 7. 14 W^t 1170

24. 7. 14 *Reynieritis* from M.
W^t 1110

31. 7. 14 W^t 1275

7. 8. 14 W^t 1260

Experiment 1866

Fowl No 3. Brown and black cock.

8. 5. 14 Wt 1335

15. 5. 14 Wt 1180

22. 5. 14 Wt 1090

29. 5. 14 Wt 910

Slight uncertainty in movement.

5. 6. 14 Wt 740

Well-marked case of polyarthritis. Joint extract from
5 joints fat-free polychrome

12. 6. 14 Wt 690

19. 6. 14 Wt 690

26. 6. 14 Wt 695

3. 7. 14 Wt 695

10. 7. 14 Wt 665

17. 7. 14 Wt 650

21. 7. Joint ext twice daily.

24. 7. 14 Wt 645

31. 7. 14 Wt 635

7. 8. 14 Wt 610

Experiment 18^o 66

Fowl 18^o 4. Speckled cock.

8. 5. 14. Wt 1255

15. 5. 14. Wt 1095

22. 5. 14. Wt 1070

29. 5. 14. Wt 1160

5. 6. 14. Wt 1055

10. 6. 14. Wt 960

12. 6. 14. Wt 960

15. 6. 14. Wt 960

19. 6. 14. Wt 1120

26. 6. 14. Wt 1140

3. 7. 14. Wt 1140

10. 7. 14. Wt 1150

17. 7. 14. Wt 1180

24. 7. 14. Wt 1195

29. 7. 14. Wt 1225

31. 7. 14. Wt 1225

7. 8. 14. Wt 1230

Slight polyneuritis
polyneuritis slightly more marked
given wt fr. 5 fms

Experiment No 66

Fowl No 5. White cock.

8. 5. 14. wt 1320

15. 5. 14. wt 1160

22. 5. 14. wt 1130

29. 5. 14. wt 1160

5. 6. 14. wt 1195

12. 6. 14. wt 1205

19. 6. 14. wt 1220

27. 6. 14. wt 1160

1. 7. 14. Polyurethane

Gain 2.4 lbs for 5 weeks for free polishing

3. 7. 14. wt 1150

10. 7. 14. wt 1210

17. 7. 14. wt 1240

24. 7. 14. wt 1220

29. 7. 14. nearly cured

31. 7. 14. wt 1150

7. 8. 14. wt 1060

Experiment No 66

Fowl No 6. White and Black cock.

8. 5. 14 Wt 1360.

15. 5. 14 Wt 1120

22. 5. 14 Wt 1040

29. 5. 14 Wt 1060

5. 6. 14 Wt 955

12. 6. 14 Wt 825

15. 6. 14 polymeric

fellivert. from 5 fowls fat feet polichin p

16. 6. 14 Died same.

Fowl No 6 A. Grey & Red cock.

19. 6. 14 Wt 1375

26. 6. 14 Wt 1370

3. 7. 14 Wt 1330

10. 7. 14 Wt 1280

17. 7. 14 Wt 1210

24. 7. 14 Polymeric. Given out.

31. 7. 14 Wt 1270

7. 8. 14 Wt 1230

14. 8. 14 Wt 1265

Experiment R^o 66

Fowl R^o 7. Black and brown cock.

8. 5. 14 W^t 1615

15. 5. 14 Has been eating well.

W^t 1570

22. 5. 14 W^t 1650

29. 5. 14 W^t 1620

5. 6. 14 W^t 1580

12. 6. 14 W^t 1520

19. 6. 14 W^t 1360

Polyacetic

juv. int. fr. 5 juv. fr. per polichinjs

26. 6. 14 W^t 1070

3. 7. 14 W^t 1490

10. 7. 14 W^t 1510

17. 7. 14 W^t 1470

24. 7. 14 W^t 1425

31. 7. 14 W^t 1470

7. 8. 14 W^t 1440

Experiment No 66

Fowl No 8. Brown cock.

8. 5. 14. Wt 1235

15. 5. 14. Has been eating well.
Wt 1250

22. 5. 14. Wt 1210

29. 5. 14. Wt 1175

5. 6. 14. Wt 1170

12. 6. 14. Wt 1165

19. 6. 14. Wt 1190

26. 6. 14. Wt 1215

3. 7. 14. Wt 1190

10. 7. 14. Wt 1160

12. 7. 14. Polyneuritis. Int.

17. 7. 14. Wt 1170

24. 7. 14. Wt 1195

31. 7. 14. Wt 1180

7. 8. 14. Wt 1200

Experiment No. 66.

Fowl No. 9. Speckled white and black cock.

8. 5. 14 Wt 1235

15. 5. 14 Has been eating well.
Wt 1240

22. 5. 14 Wt 1240

29. 5. 14 Wt 1180

5. 6. 14 Wt 1125

8. 6. 14 polyneuritis

given int. fr. 5 pms fat-free polishes

12. 6. 14 Wt 1230

19. 6. 14 Wt 1300

26. 6. 14 Wt 1320

3. 7. 14 Wt 1380

10. 7. 14 Wt 1415

17. 7. 14 Wt 1480

24. 7. 14 Wt 1515

29. 7. 14 cured

31. 7. 14 Wt 1520

7. 8. 14 Wt 1530

Experiment No 66.

Fowl No 10. Grey cock.

8. 5. 14 Wt 1410.

15. 5. 14 Has been eating well.
Wt 1380.

22. 5. 14 Wt 1400

29. 5. 14 Wt 1370.

5. 6. 14 Wt 1320

12. 6. 14 Wt 1165

15. 6. 14 polynesian's

16. 6. 14 Est.

19. 6. 14 Wt 1185

26. 6. 14 Wt 1230

3. 7. 14 Wt 1270

10. 7. 14 Wt 1290

17. 7. 14 Wt 1330

24. 7. 14 Wt 1365

29. 7. 14 nearly cured

31. 7. 14 Wt 1385

7. 8. 14 Wt 1390

Experiment No 66.

Fowl No 11. Brown, white and black cock.

8. 5. 14 Wt 1795

15. 5. 14 Wt 1650

22. 5. 14 Wt 1640

29. 5. 14 Wt 1480

5. 6. 14 Wt 1480

12. 6. 14 Wt 1520

19. 6. 14 Wt 1490

26. 6. 14 Wt 1360

3. 7. 14. Wt 1390

5. 7. 14 Definite weakness of legs.

Tremors. Blood negative for fowl cholera.

Some whitish coloured stools ? Diarrhoea.

Ext. commenced.

10. 7. 14 Wt 1215

17. 7. 14 Wt 1280

24. 7. 14 Wt 1315

31. 7. 14 Wt 1395

7. 8. 14 Wt 1435

Experiment 1866.

Fowl No 12. Yellow cock.

8. 5. 14 Wt 1685.

15. 5. 14 Wt 1710.

22. 5. 14 Wt 1710

29. 5. 14 Wt 1725

5. 6. 14 Wt 1700

12. 6. 14 Wt 1655

19. 6. 14 Wt 1655

26. 6. 14 Wt 1550

3. 7. 14 Wt 1490

10. 7. 14 Wt 1400 slight signs of.

11. 7. 14 definite signs of.

17. 7. 14 Wt 1470

24. 7. 14 Wt 1535

31. 7. 14 Wt 1570.

7. 8. 14 Wt 1665

10g. = 5 grams daily

Experiment - no 69. - Commenced 11/11/15

1. Black & White cock

11. 1395
14. 1205
25. 920

at. Did. not polynovitis

1. B. yellow cock. 30.12.15

30. wt 1295.

I - 1275

14 - 1195.

21 - 1089

28. 897

5.1.16 Polynovitis - treatment -

4.1.16 1033.

11.1.16. 1012.

18.1.16. 1055.

25.1.16 1089.

1.2.16. 1115.

8.2.16. 1142.

15.2.16. 1172

22.2.16. 1205

29.2.16 1180

7.3.16. 1150

2. Yellow Cuck

11 1150

18 1092

95 1092

2.12.15. 1160

9 920

16.12.15. 880

22.12.15 Polyneuropathy - given treatment

28.12.15. 862

30.12.15. 922

6.1.16 945

13.1.16. 982

20.1.16. 1013

27.1.16 1050

3.2.16. 1050

10.2.16. 1052

17.2.16. 1120 cured after 57 days.

24.2.16. 1020

3.3.16 1020

7.3.16 polyneuropathy treatment

7.3.16 1150

8.3.16 died

3 Brown Cocks

11 1220

18 1199

25 1162

2.12.15. 1140

7 990

16.12.15. 950

19.12.15 Polynovitis - given treatment

23.12.15. 970

30.12.15 984

6.1.16. 1000

13.1.16 1047

20.1.16. 1052

27.1.16. 1090

3.2.16. 1000

10.2.16. 1073

17 2.16 ¹⁰⁷³ Cured. after 60 days

24.2.16 1075

2.3.16. 1085

L

4 - Brown cock

11. 1045

18. 1030

25. 980

20. 12. 15. 1005

2. " 910

15. Polynuritis - given treatment

16. 12. 15. 911.

23. 12. 15. 975

30. 12. 15. 985

6. 1. 16. 1070

12. 1. 16. cured after 28 day.

13. 1. 16. 1057

20. 1. 16. 1020

27. 1. 16. 1020

3. 2. 16. 950

6. 2. 16. Polynuritis. treatment

10. 2. 16. 950

17. 2. 16. 995

24. 2. 16. 1005

2. 3. 16. 1025

5 Known Cook

" 1465

18 1489

25 1599

d. 10. 15. 1390

9 1235

16. 12. 15. 1169

20. 12. 15. Polynetics - given treatment -

23. 12. 15. 1175

30. 12. 15. 1275

6. 1. 16. 1310

13. 1. 16. 1300

20. 1. 16. 1275

27. 1. 16. 1255

3. 2. 16. 1225

10. 2. 16. 1255

17. 2. 16. 1260. Cured after 5th day

24. 2. 16. 1185

2. 3. 16. 1200

Black-bird cock

- 12 1425
- 19 1380
- 26. 1304
- 3. 12. 15. 1325
- 10 .. 1317
- 17. 12. 15. 1392
- 24. 12. 15. 1255
- 26. 11. 15 Polynesian - treatment
- 31. 12. 15 1257
- 7. 1. 16. 1325
- 14. 1. 16 1370
- 21. 1. 16. 1410
- 28. 1. 16. 1380
- 4. 2. 16. 1400
- 11. 2. 16. 1405
- 18. 2. 16. 1400
- 25. 2. 16. 1414
- 3. 3. 16 1410

7. Brown cock

12. 1110

19. 1105

26. 1039

3. 12. 15. 1010

10. 12. 15. 899

Polyneuritis spasmus neck-muscles
well in morning. ill at noon. vivence of Ext-

11. 12. 15. better

17. 12. 15. 912

24. 12. 15. 935

31. 12. 15. 968

1/1/16 cured. after 22 days

7. 1. 16. 975

14. 1. 16. 980

21. 1. 16. 975

28. 1. 16. 890

~~28. 1. 16.~~ 972

4. 2. 16. 969

11. 2. 16. 1017

25. 2. 16. 1060

3. 3. 16. 1090

Polyneuritis. Given Extract

£ Willow cock

12. 1405

19. 1400

26. 1319

3. 12. 15. 1289

10. 12. 15. 1242

16. 12. 15. Polyanth - June treatment

17. 12. 15. 1110

24. 12. 15. 1135

31. 12. 15. 1147

7. 1. 16. 1100

14. 1. 16. 1165

21. 1. 16. 1190

28. 1. 16. 1210

4. 2. 16. 1260

11. 2. 16. 1298

18. 2. 16. 1320

25. 2. 16. 1360

3. 3. 16. 1390

9. yellow cock

12. 1325

19. 1270

26. 1099

3. 12. 15. 1067

10. 12. 15. 1044

12. 12. 15. Polynearitis first treatment.

17. 12. 15. 1050

24. 12. 15. 1079

31. 12. 15. 1120

7. 1. 16. 1200

14. 1. 16. 1215

21. 1. 16. 1270

28. 1. 16. 1325

4. 2. 16. 1360

11. 2. 16. 1380

18. 2. 16. 1395

25. 2. 16. 1430

3. 3. 16. 1425

10 yellow cock

12. 1250

19. 1150

26. 1090

3. 12. 15. 1039

10. 12. 15. 949

11. 12. 15. Polyneuritis - treatment

17. 12. 15. 977

24. 12. 15. 1117

31. 12. 15. 1062

1/1/16 Cured - *off 20 day*
- treatment stopped

7. 1. 16. 1040

14. 1. 16. 995

19. 1. 16. Polyneuritis - treatment

21. 1. 16. 897

28. 1. 16. 965

4. 2. 16. 1035

11. 2. 16. 1070

18. 2. 16. 1088

25. 2. 16. 1095

3. 3. 16. 1150

11. Kuvva cock

12. 1345

19. 1380

26. 1260

3. 12. 15. 1242

10. 12. 15. 1255

17. 12. 15. 1184

24. 12. 15. 1125

26. 12. 15. Polyneuritis - treatment -

31. 12. 15. 1211

7. 1. 16. 1249

14. 1. 16. 1270

21. 1. 16. 1275

28. 1. 16. 1310

4. 2. 16. 1320

11. 2. 16. 1327

18. 2. 16. 1340

25. 2. 16. 1337

3. 3. 16. 1345

12 Brown cock

12. 12. 90

19. 1180

26. 1082

3. 12. 15. 975

10. 12. 15. 825

13. 12. 15. Polyneuritis - treatment -

17. 12. 15. 807

24. 12. 15. 855

31. 12. 15. 918

7. 1. 16. 990

14. 1. 16. 1000

21. 1. 16. 1055

28. 1. 16. 1070

4. 2. 16. 1070

11. 2. 16. 1114

18. 2. 16. 1165

25. 2. 16. 1144

3. 3. 16. 1105

Experiment with Ext. Rice Polishing (Bost.)
1 cc. = 6.5-grammes.

K^o 1. Yellow & black cock

23.5.17 Wt 1220

0.8 cc. Ext once daily

28.5.17 Wt 1177

4.6.17 Wt 1195

11.6.17 Wt 1215

16.6.17 Wt 1200

25.6.17 Wt 1205. Ext. discount

White rice + 0.5 gramme Nitrogen

2.7.17 Wt 1265

7.7.17 Wt 1175

16.7.17 Wt 1195

20.7.17 Wt 1200.

30.7.17 Wt 1210

6.8.17 Wt 1250

13.8.17 Wt 1250

20.8.17 Wt 1295

Released. Has remained well and
gained weight on nitrogen

No 2 Black & Yellow Cuck

21.5.17 Wt 1500

08 cc. Ex. once daily

28.5.17 Wt 1537

4.6.17 Wt 1556

11.6.17 Wt 1540

18.6.17 Wt 1530

25.6.17 Wt 1496

Ex. discontinued

White rice + 0.5 gr. Titanogen

28.6.17. White diarrhoea

27.7.17 Wt 1506

9.7.17 Wt 1416

16.7.17 Wt 1406

23.7.17 Wt 1326 Appears to have

slight weakness.

24.7.17 Definite signs of.

2cc. Ex. (Bacto) daily

30.7.17 Wt 1416 Still weak

6.8.17 Wt 1476

13.8.17 Wt 1540 slight weakness. P.H.I.

20.8.17 Wt 1615. Released.

In Titanogen contracted for. Cured Ex. (Bacto)

16.3 Bleak cook.

21.5.17. Wt 1220

0822. Est. white rice

28.5.17 Wt 1182

4.6.17 Wt 1100

11.6.17 Wt 1090

18.6.17 Wt 1135

26.6.17 Wt 1225.

Est. dissected

W.R. only

2.7.17 Wt 1175

9.7.17 Wt 1145

16.7.17 Wt 1160

23.7.17 Wt 1235

30.7.17 Wt 1285

6.8.17 Wt 1260

13.8.17 Wt 970.

Severe paralysis and died few
hours.

K^o 4. Black cock.

21.5.17 Wt 1270

6% co. Ext. white rice.

28.5.17 Wt 1245

4.6.17 Wt 1245

11.6.17 Wt 1135

18.6.17 Wt 1090

25.6.17 Wt 995

Has lost weight but appears healthy

Ext. discolored

W.R. only

27.7.17 Wt 870

9.7.17 Wt 715

10.7.17 Very ill. not characteristic for

Wt 620. Died.

Exam^o of blood and fec. 15.8

K^o 5 yellowback

21.5.17 Wt 1220

Whitish

22.5.17 Wt 1277

4.6.17 Wt 1225

10.6.17 At 3pm. signs of p.a.

11.6.17 definite signs p.a.

Wt 990.

Not eating

2cc. Fe^s daily. Rice congee by catheter

12.6.17 Improved

13.6.17 Weak improved. Congee discontinued

15.6.17 Slight weakness only. Can walk.

Now eating.

18.6.17. Tail p.a. Otherwise no sign

Wt 1030

25.6.17 Wt 1135 Tail slight p.a.

27.17 Wt 1205

9.7.17 Wt 1220 Round.

10.7.17 Wt 1360 Round.

20.7.17 Wt 1390. Pale.

30.7.17 Wt 1270

6.8.17 Wt 1260

13.8.17 Wt 1180

20.8.17 Wt 1085. Thin. Pale, unhealthy.

Released

No 6 Brown Back

21.5.17 Wt 1520.

White mice

28.5.17 Wt 1440

4.6.17 Wt 1460

11.6.17 Definite signs for. Bad case

Advanced paralysis. Retraction head.

Wt 1345. No eating

22.6.17 Slightly better. Rice cones catheter

12.6.17 Improved

14.6.17 Much improved. Rice cones

successful

15.6.17 Slight weakness only remains

18.6.17 Gait for. Otherwise no sign

Though more severe case than 15.6.17 has improved more rapidly.

Wt 1280

25.6.17 Wt 1325

28.6.17 ? Release. Gait markedly for.

27.7.17 Wt 1325. Slightly unsteady. High

stepping gait

9.7.17 Wt 1385

16.7.17 Wt 1340. Pade

20.7.17 Wt 1360. High stepping gait.

30.7.17 Wt 1345

6.8.17 Wt 1285 13.8.17 Wt 1260.

20.8.17 Wt 1200. Not complete recovery. Released.

No. 7. Black lock

24.5.17 Wt 1240

White rice

28.5.17 Wt 1180

4.6.17 Wt 1190

11.6.17 Wt 1040

12.6.17 slight weakness

14.6.17 Ft. mild case

2cc. Int. daily

15.6.17. Improved.

18.6.17. Still weak

Wt 990

26.6.17 Wt 1060. Still weak.

27.17. Wt 1110

9.7.17 Wt 1150. ~~Good~~ ~~Fast~~

16.7.17 Wt 1170. ~~Fast~~

22.7.17 Wt 1185.

30.7.17 Wt 1245

6.8.17 Wt 1285

12.8.17 Wt 1265

20.8.17 Wt 1270

Released.

W.P. + Lini 20-30 years. Concentrated

June No.	8 th	14 th	20 th	26 th	4 th	5 th	6 th
1.	1410	1448	1872	1330	1200	1202	1225
2.	2190	2026	2020	1975	1885	1775	1900
3.	1115	1102	935	925	905	900	890
4.	1030	1058	1072	925	920	960	1025
5.	1030	962	942	875	880	865	935

Ex C. 2 cans daily
slight weakness 5th wk.

In the 5th week an Lini several others showed slight weakness, insufficient polypenicity. Two cans of the Botnet Cans substituted for the Lini with the result that in one week all had gained in weight and showed the signs of early polypenicity disappeared.

No 8 Spotted back

21. 5. 17 Wt 1260
 white mice
 22. 5. 17 Wt 1175
 4. 6. 17 Wt 1115
 11. 6. 17 Wt 1020
 18. 6. 17 No definite signs
 Wt 1010
 22. 6. 17 Px.
 Get 2 ex. daily
 25. 6. 17 Wt 995
 slight weakness
 27. 7. 17 Wt 1000. cured.
 7. 7. 17 Wt 980
 16. 7. 17 Wt 983
 23. 7. 17 Wt 980. Padi.
 30. 7. 17 Wt 975
 6. 8. 17 Wt 955
 13. 8. 17 Wt 990
 20. 8. 17 Wt 960
 Released.

Female No	1st week	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
1.	1275	1280	1297	1325	1280	1280	1295	2200	2130	2130	2130	2130
2.	2232	2230	2280	2495	2200	2130	2130	2130	2130	2130	2130	2130
3.	980	960	1110	1055	1030	1045	1045	1045	1045	1045	1045	1045
4.	1580	1785	1807	1815	1700	1430	1430	1430	1430	1430	1430	1430
5.	1215	1217	990	1040	995	985	985	985	985	985	985	985
6.	1110	1142	1190	1070	1015	1010	1010	1010	1010	1010	1010	1010
7.	1160	1113	1045	960	825	780	780	780	780	780	780	780
8.	1190	1172	1105	1075	995	995	995	995	995	995	995	995
9.	1449	1322	1180	985	870	870	870	870	870	870	870	870
10.	1175	1140	995	1045	910	820	820	820	820	820	820	820
11.	1395	1450	1360	1260	1205	1205	1205	1205	1205	1205	1205	1205
12.	1370	1340	1320	1285	1190	1110	1110	1110	1110	1110	1110	1110

Experiment No. 8 White pinhead mice + 1 year. Get 2 daily

Slight depression in 5th week

Leave for 5th week

Leave for 4th week

Leave for 4th week

Leave for 5th week

Healthy

Healthy

202.17. General result.

With addition of 25 gm. Ext. (Boots) on white rice diet fowls remained healthy. Controls on white rice only contracted P.M. and were cured by addition of 25 gm. Ext. daily if in severe cases. Changel was given.

Two fowls on Titensagen one remained healthy and gained weight, one contracted P.M. and was cured with Ext. (Boots).

Four fowls on white rice (controls) contracted P.M., recovered on Ext. (Boots) but thereafter did not do well even on Padi.

The cages were placed in the stables on hard ground and there was much wet weather while the expts. were in progress.

Ext. Boots is preventive and curative of P.M. Titensagen doubtful, further expts with fresh material should be made. Boots Ext. has ppt. oil and debris. Have written them about this.

Method of preparation Extract C.

1. Rice meal of good quality sifted to remove lumps, broken rice, etc.
2. In upright cylindrical jar, 600 grammes rice meal + 450 cc. alcohol 95% + 1970 cc. water + 24 cc. HCl.
3. Tixed and stirred daily for one week.
4. Filtered. Buchner funnel.
5. Filtrate concentrated under reduced pressure, temperature 75° - 85° C., to 260 cc. on tenacious. 30 cc. alcohol added and the whole made up to 300 cc.
6. This is allowed to stand for a few days, a precipitate forms. It is then filtered and is ready for use 1 cc. = 2 grammes rice meal.

Dose for adult $\frac{3}{iv}$ twice daily in water or other mixture except alkaline mixtures.

Experiment No. 70.

17. 13 L.R. + Est 1 c.c. Est 6.
10000 - 7900000.

No. 1. Grey back.

- 29. 6. 13 Wt 1275
- 6. 7. 13 Wt 1280
- 13. 7. 13 Wt 1297
- 26. 7. 13 Wt 1325. Raw rice
- 27. 7. 13 Wt 1290. Cooked rice
- 2. 8. 13 Wt 1230. Slightly Padi
- 9. 8. 13 Wt 1410
- 13. 8. 13 Laidy 10 22. + White rice
- 16. 8. 13 Wt 1448
- 20. 8. 13 Wt 1292
- 30. 8. 13 Wt 1300
- 2. 9. 13 Laidy 30 22.
- 6. 9. 13 Wt 1230
- 12. 9. 13 Wt 1202 ? slight weakness Est 2500
- 20. 9. 13 Wt 1285 Quite well. Padi
- 4. 10. 13 Wt. + Jan. geb
Wt 1299.
- 11. 10. 13 Wt 1290
- 18. 10. 13 Wt 1280
- 25. 10. 13 Wt 1325
- 1. 11. 13 Wt 1315
- 8. 11. 13 Wt 1200 Jan geb discont
Est 6. 2.5 c.c.
- 15. 11. 13 Wt 1310

22. 11. 18 Wt 1300

29. 11. 18 Wt 1290

6. 12. 18 Wt 1305

13. 12. 18 Wt 1320

Padi

20. 12. 18 Wt 1275

27. 12. 18 Wt 1285

3. 1. 19 Wt 1310

10. 1. 19 Wt 1327

17. 1. 19 Wt 1275

24. 1. 19 Wt 1255

14. 2. 19 Wt 1265

Loongain Rice

21. 2. 19 Wt 1220

28. 2. 19 Wt 1220

7. 3. 19 Wt 1250

14. 3. 19 Wt 1245

21. 3. 19 Wt 1235

28. 3. 19 Wt 1220

Rangoon K²2

4. 4. 19 Wt 1175

11. 4. 19 Wt 1185

18. 4. 19 Wt 1190

25. 4. 19 Wt 1150

2. 5. 19 Wt 1045 Released

1. 7. 18 SA + Exd. 11 cov.

No 2. Brown Tylew

29. 6. 18 Wt 2232

6. 7. 18 Wt 2230

13. 7. 18 Wt 2280

20. 7. 18 Wt 2295. Low rice

27. 7. 18 Wt 2220. Good rice

Note that this fawn receives only same amount of extract as fowls less than half its weight, prey effect of extract as an enzyme, catalyst or food hormone.

2. 8. 18 Wt 2130. Healthy.

Padi

9. 8. 18 Wt 2190

15. 8. 18 Taddy 10 cc. + White rice

16. 8. 18 Wt 2026.

23. 8. 18 Wt 2020. Taddy 20 cc.

30. 8. 18 Wt 1975

29. 9. 18 Taddy 30 cc.

6. 9. 18 Wt 1935

13. 9. 18 Wt 1775. slight weakness. 20 cc. Taddy.

20. 9. 18 Wt 1900. Cured. Padi

4. 10. 18 Wt + Low rice

Wt 2037

11. 10. 18 Wt 2135

18. 10. 18 Wt 2190

25. 10. 18 Wt 2240

1. 11. 18 Wt 2295

5. 11. 18 Wt 2295 Jan get discount
 L.R. only
 15. 11. 18 Wt 1930
 19. 11. 18 slight weakness. Tamb black.
 Ent C. 5 sec. Padi.
 20. 11. 18 better, nearly well.
 22. 11. 18 Wt 1945. Very slight weakness.
 27. 11. 18 Wt 1925. Quite well.
 W.R. only
 6. 12. 18 Wt 1945
 15. 12. 18 Wt 1905
 20. 12. 18 Wt 1700
 Padi
 27. 12. 18 Wt 1815
 3. 1. 19 Wt 1910
 10. 1. 19 Wt 1960
 17. 1. 19 Wt 2125
 24. 1. 19 Wt 2075
 14. 2. 19 Wt 2160
 Loongair
 21. 2. 19 Wt 2195 11. 4. 19 Wt 2345
 28. 2. 19 Wt 2220 18. 4. 19 Wt 2385
 7. 3. 19 Wt 2270 25. 4. 19 Wt 2355
 14. 3. 19 Wt 2310 25. 4. 19 Wt 2345.
 21. 3. 19 Wt 2345 Released.
 28. 3. 19 Wt 2345
 Kengox No 2
 4. 4. 19 Wt 2380

No 3 Brown

27. 6. 18 Wt 980
 1. 7. 18 L.R. + 1 sec. Fil.
 5. 7. 18 Wt 980
 13. 7. 18 Wt 1110
 20. 7. 18 Wt 1055. Low rice.
 27. 7. 18 Wt 1030. Looked nice.
 28. 7. 18 Wt 1025. Healthy
 Padi
 9. 8. 18 Wt 1115
 12. 8. 18 Toddly 10 sec + white rice
 16. 8. 18 Wt 1102 Toddly 2 sec.
 20. 8. 18 Wt 985
 20. 8. 18 Wt 985. Toddly 2 sec.
 27. 8. 18 Wt 905
 13. 9. 18 Wt 900 slight weakness. Ent C. 2 sec.
 20. 9. 18 Wt 990. Padi.
 4. 10. 18 W.R. + Jan get
 Wt 1020
 11. 10. 18 Wt 1050
 18. 10. 18 Wt 1045
 25. 10. 18 Wt 1060
 1. 11. 18 Wt 1065
 8. 11. 18 Wt 1090 Jan get discount
 Ent C. 2.5 sec.
 15. 11. 18 Wt 1120
 22. 11. 18 Wt 1115

29. 11. 18 W^t 1105
 6. 12. 18 W^t 1110
 13. 12. 18 W^t 1135
 20. Padi
 20. 12. 18 W^t 1090
 27. 12. 18 W^t 1120
 3. 1. 19 W^t 1190
 10. 1. 19 W^t 1170
 17. 1. 19 W^t 1135
 24. 1. 19 W^t 1170
 14. 2. 19 W^t 1250
 Loongain
 21. 2. 19 W^t 1240
 28. 2. 19 W^t 1220
 7. 3. 19 W^t 1220
 14. 3. 19 W^t 1210
 21. 3. 19 W^t 1200
 28. 3. 19 W^t 1196
 Rangoon 1892
 4. 4. 19 W^t 1205
 11. 4. 19 W^t 1190
 18. 4. 19 W^t 1200
 25. 4. 19 W^t 1205
 2. 5. 19 W^t 1185 Released.

No 4. Speckled

29. 6. 18 W^t 1860.
 1. 7. 18 Ed + Ent 125.
 6. 7. 18 W^t 1785
 13. 7. 18 W^t 1807
 20. 7. 18 W^t 1815. Rawrice
 27. 7. 18 W^t 1700. Cooked rice.
 This fowl does not look well. Slight discoloration
 of hinder part of comb.
 30. 7. 18. Looks better.
 28. 18. Unusual case. Feels
 apparently well, there is weakness of legs
 & difficulty in fastening them for weighing as
 he likes. To have padi to test this.
 W^t W^t 1630.
 Padi
 9. 8. 18 W^t 1580
 It is now clear that this was a case of
 incipient fr. 1cc = 2 grams is therefore an
 insufficient quantity for fowls this weight
 16. 8. 18 W^t 1898
 22. 8. 18 W^t 1655. Still weak. Ent 2 1/2 cc.
 30. 8. 18 W^t 1655. Nearly normal.
 6. 9. 18 W^t 1670. For Chonicepa. White rice
 13. 9. 18 W^t 1610
 20. 9. 18 W^t 1550

27. 9. 18 Pn. Padi
 28. 9. 18 Severe fm. Est. 6. 3 doves
 29. 9. 18 Est. 2 doves
 2. 10. 18 " "
 3. 10. 18 Seel unable to walk. All lam. geb
 4. 10. 18 W.A. + Lam geb
 Wt 1200.
 5. 10. 18 Died

No 5. Black

29. 6. 18 Wt 1215
 1. 7. 18 L.P. + Est 1 cow.
 6. 7. 18 Wt 1217
 13. 7. 18 Wt 990
 20. 7. 18 Wt 1040. Raw-Rice
 27. 7. 18 Wt 995. Cooked rice
 28. 7. 18 Wt 985. Healthy
 Padi
 9. 8. 18 Wt 1030
 18. 8. 18 Today 1000. + W-Rice
 16. 8. 18 Wt 1058
 20. 8. 18 Wt 1072 Today 3000.
 30. 8. 18 Wt 926
 29. 8. 18 Today 3000.
 6. 9. 18 Wt 920
 12. 9. 18 Wt 960. Slight weakness. S
 Est. 2 eggs.
 20. 9. 18 Wt 1025. 10 animal. Padi
 4. 10. 18 Wt 1045 W.A. + Lam geb
 11. 10. 18 Wt 1150
 18. 10. 18 Wt 1155
 25. 10. 18 Wt 1155
 1. 11. 18 Wt 1165
 8. 11. 18 Wt 1205 Lam geb disort!
 Est 6. 2.5 egg.
 15. 11. 18 Wt 1180
 22. 11. 18 Wt 1245

29. 11. 18 Wt¹ 1225

6. 12. 18 Wt¹ 1215

13. 12. 18 Wt¹ 1230

Padi

20. 12. 18 Wt¹ 1255

27. 12. 18 Wt¹ 1255

3. 1. 19 Wt¹ 1320

10. 1. 19 Wt¹ 1335

17. 1. 19 Wt¹ 1325

24. 1. 19 Wt¹ 1320

14. 2. 19 Wt¹ 1400

Loongain

21. 2. 19 Wt¹ 1390

28. 2. 19 Wt¹ 1350

7. 3. 19 Wt¹ 1325

14. 3. 19 Wt¹ 1390

21. 3. 19 Wt¹ 1415

28. 3. 19 Wt¹ 1420

Kangaroo K²

4. 4. 19 Wt¹ 1445

11. 4. 19 Wt¹ 1465

18. 4. 19 Wt¹ 1455

25. 4. 19 Wt¹ 1445

2. 5. 19 Wt¹ 1425 Released.

K⁶ Speckled yellow.

29. 6. 18 Wt¹ 1110

1. 7. 18 L.A. + Est 1 cam.

6. 7. 18 Wt¹ 1142

13. 7. 18 Wt¹ 1090

20. 7. 18 Wt¹ 1070 Raw Rice

27. 7. 18 Wt¹ 1015 Cooked rice.

28. 18 Wt¹ 1010. Healthy

Padi

9. 8. 18 Wt¹ 1030

13. 8. 18 Today. 10 cc. + Whitania

16. 8. 18 Wt¹ 962.

22. 8. 18 Wt¹ 942 Today 30 cc.

29. 8. 18 Wt¹ 875

29. 18 Today 30 cc.

6. 9. 18 Wt¹ 880

13. 9. 18 Wt¹ 865. Some uncertainty

Est 6. 2cc.

20. 9. 18 Wt¹ 925 Humal. Padi

* 2. 10. 18 W.A. + Low gch

Wt¹ 945

11. 10. 18 Wt¹ 820 Not eating well

18. 10. 18 Wt¹ 835

25. 10. 18 Wt¹ 760 Does not eat Ig.

on rice. Released.

1. 11. 18 Wt¹ 865.

! Exploratory. When released ate freely
and soon recovered normal condition.
? monstony of diet.

No 7 Black white

29.6.12 Wt 1160

1.7.12 L.A.

6.7.12 Wt 1115

13.7.12 Wt 1045

20.7.12 Wt 960. Raw rice.

27.7.12 Wt 825. Cooked rice.

Ovul. Cond pale

22.12 slight fw weakness of
legs and drooping wings.

Wt 700.

Padi

38.12 larvae fw. 2 cc. extract +
Kunji. Died at night

X-8 White

29.6.18 Wt 1190

1.7.18 S.R.

6.7.18 Wt 1142

13.7.18 Wt 1105

20.7.18 Wt 1075

27.7.18 Pn. slight. Wt 995.

28.7.18 Pn. definite unable to
move head retracted.

Concge + 2cc. Et. daily

29.7.18 Better. Curious effect of
concge, temporary conc. Improved.

30.7.18 Able to walk. Released into
grass with great eagerness.

2.8.18. Much improved, now
nearly well except some uncertainty

Wt 1020.

Pahi

9.8.18 Wt 1060

16.8.18 Wt 1095

22.8.18 Wt 995 Still some weakness.

24.8.18 Et. 2 1/2 cc.

30.8.18 Wt 985. Fully recovered.

6.9.18 Wt 990. For chronic fu. White lice

13.9.18 Wt 975

20.9.18 Wt 990

30.9.18 Slight weakness

1. 10. 18 Severe px. Est. 6. 2 doses
In afternoon able to stand

2. 10. 18 Improved. Est. 6. 2 doses

3. 10. 18 Feels well.

4. 10. 18 Wt. 985 W.R. + Lau. gch

11. 10. 18 Wt. 1028

12. 10. 18 Wt. 1020

25. 10. 18 Wt. 1040

1. 11. 12 Wt. 1055

8. 11. 12 Wt. 1062 Largeh dissect^d
Est. 6. 25 ccw.

15. 11. 12 Wt. 1055

22. 11. 12 Wt. 1050

29. 11. 12 Wt. 1050

6. 12. 12 Wt. 1030

13. 12. 12 Wt. 1010

Padi

20. 12. 12 Wt. 960

27. 12. 12 Wt. 955

3. 1. 19 Wt. 760

10. 1. 19 Wt. 655

17. 1. 19 Wt. 560

19. 1. 19 Died. Cause of death not
determined.

1899 Brown Black Cock.

8. 7. 18 Wt. 1149
S.R.

13. 7. 18 Wt. 1322

20. 7. 18 Wt. 1180. Raw Rice

27. 7. 18 Wt. 985. Cooked rice.
Died. Cause pale.

28. 18 Px. slight - moderate.
Wt. 890.

Padi

28. 12. Severe px.
9. 8. 18 Wt. 950

16. 8. 18 Wt. 962

23. 8. 18 Wt. 996

30. 8. 18 Wt. 925

6. 9. 18 Wt. 990. Still much weakness

To be kept for chronic px. White rice.

12. 9. 18 Wt. 975

20. 9. 18 Wt. 990

4. 10. 18 Improved. W.R. + Lau. gch.
Wt. 1055

11. 10. 18 Wt. 1135

18. 10. 18 Wt. 1165

25. 10. 18 Wt. 1190

1. 11. 18 Wt. 1210

8. 11. 18 Wt. 1240 Largeh dissect^d
S.R. only.

15. 11. 18 Wt. 1193

22. 11. 18 Wt 1072

24. 11. 18 slight weakness. No. definite

Get 2.5 caw. Padi

29. 11. 18 Wt 1135. Quite well.

W.F. only

6. 12. 18 Wt 1140

13. 12. 18 Wt 1165

20. 12. 18 Wt 1175

27. Padi

27. 12. 18 Wt 1225

Seelan

No 10 Black

29. 6. 18 Wt 1175

1. 7. 18 Lf.

6. 7. 18 Wt 1140

13. 7. 18 Wt 995

20. 7. 18 Wt 1045. Raw Rice.

Not normal activity

27. 7. 18 Wt 910. Cooked rice.

Dull.

moderately severe

28. 18 P. slight Wt. 800.

Padi. Control to No 4.

38. 18 Severe for. 2 spec. in Kanji

twice daily

4. 9. 18 No improvement. Treatment

begun too late

5. 9. 18 Died

18. 11. Greenish bronze

29. 6. 18 Wt 1395

1. 7. 18 S.P.

6. 7. 18 Wt 1450

13. 7. 18 Wt 1360

20. 7. 18 Wt 1360 . Raw rice.

27. 7. 18 Wt 1260 . Cooked rice.

28. 8. 18 Wt 1265. Healthy and active. Padi.

9. 8. 18 Wt 1320

16. 8. 18 Wt 1315

23. 8. 18 Wt 430

30. 8. 18 Wt 1290

6. 9. 18 Wt 1410

13. 9. 18 Wt 1410

20. 9. 18 Wt 1420

4. 10. 18 Wt + Tan gel

Wt 1430

11. 10. 18 Wt 1420

18. 10. 18 Wt 1435

26. 10. 18 Wt 1445

1. 11. 18 Wt 1470

8. 11. 18 Wt 1470 Tan gel discount

Est 6. 2.5 raw.

15. 11. 18 Wt 1445

22. 11. 18 Wt 1460

29. 11. 18 Wt 1475

6. 12. 18 Wt 1440
13. 12. 18 Wt 1460
Padi
20. 12. 18 Wt 1325
27. 12. 18 Wt 1075
30. 12. 18 Stale

No. 12. Black & Brown.

29. 6. 18 Wt 1270
1. 7. 18 SR.
6. 7. 18 Wt 1240
13. 7. 18 Wt 1320
20. 7. 18 Wt 1285 Raw-Rice
29. 7. 18 Wt 1190. Cooked rice.
2. 8. 18 Wt 1110. Healthy and native. Padi.
9. 8. 18 Wt 1250
16. 8. 18 Wt 1210
23. 8. 18 Wt 1299
30. 8. 18 Wt 1295
6. 9. 18 Wt 1305
13. 9. 18 Wt 1205
20. 9. 18 Wt 1200
4. 10. 18 Wt + Length
Wt 1310
11. 10. 18 Wt 1365
18. 10. 18 Wt 1365
25. 10. 18 Wt 1320
1. 11. 18 Wt 1405
8. 11. 18 Wt 1410 Length discont.
SR. only.
15. 11. 18 Wt 1355
20. 11. 18 Slight weakness + head discolored
24. 11. 18 Well marked P.P.
Est 2.5 car. anopadi
22. 11. 18 Wt 1245

Note the rapidity of onset of p.p.

On S.D. from 4.10.18, for five weeks
+ tough and raw without. Suggests
even with
that addition of tough resistance to
p.p. is diminished.

27. 11. 18 W^t 1230

3. 12. 18 ? ^{W.R. only} height weakness

6. 12. 18 W^t 1285

13. 12. 18 W^t 1195

20. 12. 18 ^{Padi} W^t 1200

27. 12. 18 W^t 1260

3. 1. 19 W^t 1300

10. 1. 19 W^t 1365

17. 1. 19 W^t 1375

24. 1. 19 W^t 1385

14. 2. 19 W^t 1385

Loon gain

21. 2. 19 W^t 1325

28. 2. 19 W^t 1295

7. 3. 19 W^t 1320

14. 3. 19 W^t 1310

21. 3. 19 W^t 1310

28. 3. 19 W^t 1300

Rangoon No 2

4. 4. 19 W^t 1320

11. 4. 19 W^t 1285

18. 4. 19 W^t 1270

25. 4. 19 W^t 1265

2. 5. 19 W^t 1255 Released.

General Results

28. 18 Six fowls Nos 1-6 on S.D. raw and
cooked. Five have remained healthy
and active for 5 weeks. One No 4
though of healthy appearance is weak
as has been injured in the legs [given
padi and controlled by No 10 moderately
severe p.p.]. It is ^{perhaps} doubtful if 1 cc of the
extract is adequate to maintain full
health and weight, that it is equal to
5 grams polishing in this respect.

Six fowls Nos 7-12, ^{three} ~~two~~ cases moderately
severe p.p. (Nos 7 & 10), one of which (No 10)
greatly improved in one week on 2 cc
Extract daily two days kangi then cooked
white rice; two cases slight p.p. Nos 7 and 9;
two remained healthy and active Nos 11 and 12.

26. 9. 18 Extract C gives good results. Five fowls
lost weight on taddy and three showed early
signs of p.p. Given 2 ccw. ext C. signs of p.p.
disappeared in two days and in one week
they had gained considerably in weight
and appeared in every way normal.

MM

Extract B.

Same as for Extract C except that no vacuum apparatus being available, concentration was effected by evaporation in an open basin over a water bath, average temperature 60.55°C .

Test of Belmont D.

N^o 1. White Oak.

21. 3. 19 W^g 1715

Sim Rice + 2.5 acc. Est. D.

7. 4. 19 W^g 1720

14. 4. 19 W^g 1685

21. 4. 19 W^g 1670

Nº 2 Speckled Cuck

31. 3. 19 10³ 1125

S.P. + 2.5 cam. Pet D.

7. 4. 19 10³ 1160

14. 4. 19 10³ 1195

21. 4. 19 10³ 1220

N^o 3 yellow and black book.

31. 3. 19 10⁺ 1020

S.R. + 2.5 cum. Pet 2.

7. 4. 19 10⁺ 995

14. 4. 19 10⁺ 980

21. 4. 19 10⁺ 950

150 + Brown Creek

3.3.19 Wt 1125

W.R. + 2.5 cam. Set. B.

7.4.19 Wt 1180

14.4.19 Wt 1130

21.4.19 Wt 1160

No 5 Speckled back

31.3.19 wt 1195

W.R. + 25ccm. Ent. A.

7.4.19 wt 1225

4.4.19 wt 1195

21.4.19 wt 1175

No 6 Yellow and Brown back.

31.3.19 wt 1090

L.R. + 25ccm Ent. B.

7.4.19 wt 1150

17.4.19 wt 1150

21.4.19 wt 1170.

Test of Loongain Rice and
Rangoon = Old Rangoon II but none dust
not so many broken grains as Big Hills Specials.

No 1 Grey-Back

14. 2. 19 W^t 1255

Loongain

21. 2. 19 W^t 1220

28. 2. 19 W^t 1220

7. 3. 19 W^t 1250

14. 3. 19 W^t 1245

21. 3. 19 W^t 1235

28. 3. 19 W^t 1220

Rangoon

4. 4. 19 W^t 1175

11. 4. 19 W^t 1155

18. 4. 19 W^t 1170

No 2 Black Book

14. 2. 19 W^t 1400

Loonquin

21. 2. 19 W^t 1390

28. 2. 19 W^t 1350

7. 3. 19 W^t 1325

14. 3. 19 W^t 1390

21. 3. 19 W^t 1415

28. 3. 19 W^t 1420

Rangoon

4. 4. 19 W^t 1445

11. 4. 19 W^t 1465

18. 4. 19 W^t 1455

