Anatomical Studies No. 29. A further note on free-martinism.

18th Rept. of the Dir. of Vet. Ser. and Ind., 1932, p. 1067.

Anatomical Studies No. 30. On two cases of Atresia Ani. 18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932. p. 1073.

Anatomical Studies No. 31. On two cases of acardiacus.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 1077.

Anatomical Studies No. 32. Atresia ani with rectum opening into vagina in a kitten. 18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 1081.

Anatomical Studies No. 33. Micrognathy in a lamb.

18th Rept. of the Dir. of Vet. Ser. and An, Ind., 1932, p. 1083.

Anatomical Studies No. 34. Faulty jaws in sheep.

18th Rept. of the Dir. of Vet. Ser. and An, Ind., 1932, p. 1085.

Anatomical Studies No. 35. On the origin of an abdominal cyst found in a domestic hen. 18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 1087.

Anatomical Studies No. 36. On two anomalies of the cervix uteri in a Merino sheep. 18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 1091.

Anatomical Studies No. 37. On a hybrid Duiker.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 1093.

Anatoxins.

Notes on anatoxins in botulism.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 106.

Immunization against anaerobes of the gas-gangrene type in South Africa by means of " Anatoxins ".

15th Rept. of the Dir. of Vet. Ser., 1929, p. 193.

Anchylosis.

Anchylosis of hock joint in Steenbok.

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 877.

Ankyloblepharon.

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 865.

Anomaly.

Anatomical Studies No. 14. Anomalies of a cross-bred ram.

 $16th\ Rept.\ of\ the\ Dir.\ of\ Vet.\ Ser.\ and\ An.\ Ind.,\ 1930, p.\ 571.$

Anatomical Studies No. 18. Dental anomalies in the ox and horse.

16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 589.

Anatomical Studies No. 27. Anomaly of the flexor digitorum pedis profundus in a goat.

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 873.

Anatomical Studies No. 36. On two anomalies of the cervix uteri in a merino sheep.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 1091.

Anopheles.

On a collection of anopheles made at Onderstepoort in the autumn of 1909.

An. Rept. of the Gov. Vet. Bacteriologist, 1908-1909, p. 115.

Anoplura.

Anoplura from South African hosts.

 $5th\ and\ 6th\ Repts.$ of the Dir. of Vet. Res., 1918, p. 711.

Family Pediculidae. 1. Pediculus humanus.

 $5th\ and\ 6th\ Repts.\ of\ the\ Dir.\ of\ Vet.\ Res.,\ 1918, p.\ 712.$

Family Pediculidae. 2. Pluris pubis.

 $5th\ and\ 6th\ Repts.\ of\ the.\ Dir.\ of\ Vet.\ Res.,\ 1918, p.\ 712.$

Anoplura.

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Family Haematopinidae
    Haematopinus asini.
                    eurysternus.
                    suis.
                    phachochoeri.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 713.
    Linognathus vituli
         ..
                    stenonsis
         5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 714.
    Linognathus fahrenholzi.
                    ungulata.
                     caviae-capensis.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918. p. 714.
    Scipio aulacodi.
          breviceps.
    Hybophthirus notophallus.
    Polyplax spinulosa.
              waterstoni.
             otonydis.
        5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 715.
    Hoplopleura intermedia.
    Haemodipsus ventricosus.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 717.
Family Boopidea.
    Heterodoxus longitarsus.
    Gyropus oralis.
    Gliricola porcelli.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 718.
    Menopon madagascariense.
                stamineum.
        ,,
               numidae
               giganteum.
               spinosum.
    Colpoce phalum\ turbinatum.
                    pygidiale.
        ,,
                   scopinum.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918. p. 719.
    {\bf Colpoce phalum\ subpenicillatum.}
                    harrisoni.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 720.
    Myrsidea rustica.
    Trinoton anserinum,
         ,, querquedulae.
             acule atum.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 721.
    Pseudomenopon pacificum.
                     rostratula.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 722.
Family Laemobothriidae.
    Laemobothrion Kelloggi.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 723.
Family Trichodectidae.
    Trichodectes\ bovis.
                eaui.
                pilosus.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 723.
    Trichodectes\ caprae.
               limbatus.
                ovis.
         ,,
                cornutus.
                caffra.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 724,
    Trichodectes\ genetta.
         5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 725.
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43
Family Philopteridae.
    Goniodes meleagridis.
              numidae.
        5th and 6th Repts. of the Dir. of Vet. Res., 1918. p. 726.
    Goniocotes gigas.
               bidentatus.
    Ripeurus caponis.
            heterographus.
    Philopterus dentatus.
                cursor.
                cervlinus.
        5th and 6th Repts. of the Dir .of Vet. Res., 1918. p. 727.
    Phlilopterus capistratus.
                 excisus.
        5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 728.
    Degeeriella fusca.
              umbrina
               hoplopteri.
               scolopacis.
               melanopheys.
    Acidoproctus bifasciatus.
                  stenopygus.
        5th and 6th Repts. of the Dir. of Vet, Res., 1918, p. 729.
    Esthiopteruin struthionis.
                  crassicorne
                  anseris.
        ,,
                  gambeusis
        ,,
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forficulatum ardeae. ,, capitatum. columbae. 5th and 6th, Repts. of the Dir. of Vet. Res, 1918, p. 731.

Esthiopteruin sudanicum. 5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 731.

Anoplura from South African Hosts Part II.

7th and 8th. Repts. of the Dir. of Vet. Res., 1918, p. 709. Siphunculata and mallophaga from South African hosts. 15th Rept. of the Dir. of Vet. Ser., 1929. p. 501

Anoplura.

18th Rept. of the Dir. of Vet, Ser. and An, Ind., 1932. p. 308. Suborder Mallophaga.

18th Rept. of the Dir. of Vet. Ser. and An, Ind., 1932, p. 309.

Suborder Rhyncophthirina.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932. p. 398. Suborder Siphunculata.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932. p. 398.

Antelopes.

A preliminary report on three new members of the genus Haemonchus, Cobb. 1898, from Antelopes in South Africa.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 451.

Wild antelopes as carriers of nematode parasites of domestic ruminants. 17th Rept. of the Dir. of Vet. Ser. and An, Ind., 1931, p. 233.

A method of obtaining pure strains of Anaplasma marginale and Anaplasma centrale by transmission through antelopes.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932. p. 3.

Wild antelopes as carriers of nematode parasites of domestic ruminants. 18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932. p. 153.

Anthrax.

Anthrax in South Africa.

5th and 6th Rept. of the Dir. of Vet. Res., 1818. p. 211. Prevalence of the disease.

5th and 6th Repts.of the Dir. of Vet. Res., 1918, p. 213.

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Animals affected.
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5th and6th Repts. of the Dir. of Vet. Res., 1918, p. 220.

Spread of infection

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 225.

Diagnosis.

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 230.

Control of the Disease.

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 230.

Anthrax in South Africa.

13th and 14th Repts. of the Dir. of Vet. Ed. and Res., 1928, p. 431. History of Anthrax.

13th and 14th Repts. of the Dir. of Vet. Ed. and Res., 1928, p. 433.

Occurrence in South Africa.

13th and 14th Repts. of the Dir. of Vet. Ed. and Res., 1928, p. 443.

Occurrence in Industry.

13th and 14th Repts. of the Dir. of Vet. Ed. and Res., 1928, p. 457. Occurrence in animals and methods of infection.

13th and 14th Repts. of the Dir. of Vet. Ed. and Res., 1928, p. 458.

13th and 14th Repts. of the Dir. of Vet. Ed. and Res., 1928, p. 466.

Diagnosis.

13th and 14th Repts. of the Dir. of Vet. Ed. and Res., 1928, p. 470.

Control and Eradication. 13th and 14th Repts. of the Dir. of Vet. Ed. and Res., 1928, p. 471.

Directions for using Anthrax Single Spore vaccine in cattle and sheep.

13th and 14th Repts. of the Dir. of Vet. Ed. and Res., 1928, p. 529.

Studies on Anthrax immunity.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 129.

Species susceptibility and immunity.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 131.

Anthrax cultivation experiments.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 134.

Production of Immunizing or toxic substances.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 143.

Comparative safety and immunity experiments with Anthrax Spore Vaccine.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 158.

The relation of the virulence of attenuated anthrax strains to their immunizing value.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 183.

A note on the addition of glycerine as a preservative for Anthrax Spore Vaccine.

16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 147.

Anticoagulant.

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 479.

Antidorcas Marsupialis.

See Springbok.

Antimony.

Micro-method for the determination of antimony in organic material and of its course through the animal body.

16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 329.

Antimony therapy in equine trypanosomiasis (T. brucei).

16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 55.

Absorption of antimony from the blood by the animal body.

16th Rept, of the Dir. of Vet. Ser. and An. Ind., 1930, p. 331.

Antimony therapy in Trypanosoma brucei infection of horses.

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 61.

Antimosan.

Antimosan therapy in Trypanosoma congolense infection of sheep.

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 67.

Antineuritic.

Antineuritic value of a diet and onset of polyneuritis. $5th\ and\ 6th\ Repts.\ of\ the\ Dir.\ of\ Vet.\ Res.,\ 1918,\ p.\ 777.$

Anus.

Anatomical Studies No. 30. On two cases of Atresia ani.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 1073.

Aphosphorosis.

Studies in mineral metabolism XXI A comparison of phosphatic supplements for the prevention of aphosphorosis.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 677.

Aplasia.

Remarkable case of volvulus in a calf due to aplasia of the mesentery.

11th and 12th Repts. of the Dir. of Vet. Ed. and Res., 1926, p. 57.

Aplasia. See Anatomical Studies No. 25.

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 865.

Arecoline-Hydrobromide.

Symptoms produced in healty cattle by the use of Arecoline-hydrobromide.

2nd Rept. of the Dir. of Vet. Res., 1912, pp. 223, 255, 257.

Arecoline Hydrobromide and Veratrine Hydrochlorate—Experiments made with these drugs in combination.

2nd Rept. of the Dir. of Vet. Res., 1912, pp. 239, 259, 260.

Arecoline hydrobromide and strychnine sulphate—Experiments made with these drugs in combination.

2nd Rept. of the Dir. of Vet. Res., 1912, pp. 242, 260, 261.

Arecoline Hydrobromide, Veratrine hydrochlorate and strychnine sulphate—Experiments made with these drugs in combination.

2nd Rept. of the Dir. of Vet. Res., 1912, pp. 244, 261, 262.

 $\label{lem:continuous} A recoline\ Hydrobromide, strychnine\ sulphate\ and\ cocaine\ hydrochloride—experiments\ made\ with\ these\ drugs\ in\ combination.$

2nd Rept. of the Dir. of Vet. Res., 1912, pp. 247, 263.

Argas.

An Rept. of the Gov. Vet. Bacteriologist, 1903-1904, p. 64.

Argas americana—a Tick new to South Africa.

2nd Rept. of the Dir. of Vet. Res., 1912, p. 343.

Argas megnini—a Tick new to South Africa.

2nd Rept. of the Dir. of Vet. Res., 1912, p. 343.

Argas mineatus.

 $Argas\ persicus$ —see A group of micro-organisms transmitted hereditarily by ticks and apparently unassociated with disease.

Argas striatus—Description of—a new species of tick.

 $18th\ Rept.\ of\ the\ Dir.\ of\ Vet.\ Ser.\ and\ An.\ Ind.,\ 1932, p.\ 221.$

Aristida congesta.

See " Steek " grass.

Aristida conqesta.

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 324.

Arsenic.

Arsenical dip tester.

3rd and 4th Repts. of the Dir. of Vet. Res., 1915, p. 199.

Fate of ingested and injected arsenic in sheep, with special reference to the treatment of Haemonchosis.

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 485.

The micro-titration of Arsenic.

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 541.

The effects of Arsenite of Soda dipping fluids on working oxen.

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 553.

Isolation and description of a bacterium causing oxidation of arsenite to arsenate in cattle dipping baths.

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 595.

Description of a bacterium, isolated from a cattle dipping tank, which reduces arsenate to arsenite.

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 613.

Some experiments on the fate of arsenic in the animal body.

7th and 8th Repts. of the Dir. of Vet. Res., 1918, p. 689.

Behaviour of bacteria towards arsenic.

7th and 8th Repts. of the Dir. of Vet. Res., 1919, p. 701.

On the determination of arsenic, chiefly in dip washes.

9th and 10th Repts. of the Dir. of Vet. Ed. and Res., 1923, p. 783.

Oxidation in arsenical dipping tanks.

9th and 10th Repts. of the Dir. of Vet. Ed. and Res., 1923, p. 798.

Arsenite of Soda. Note on the composition of various samples of arsenite of soda.

9th and 10th Repts. of the Dir. of Vet. Ed. and Res., 1923, p. 777.

The effect upon ticks of dipping cattle regularly at short intervals in arsenical baths.

15th Rept. of the Dir. of Vet Ser., 1929, p. 551.

On the toxicity of arsenic to fowls.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 1189.

Toxicity of white arsenic.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 1190.

Toxicity of sodium arsenite.

 $15th\ Rept.\ of\ the\ Dir.\ of\ Vet.\ Ser.,\ 1929, p.\ 1192.$

Effect of repeated doses of sodium arsenite.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 1193.

Arsenic content of poisoned locusts.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 1195.

Toxicity of poisoned locusts to fowls.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 1198.

Arsenophenyigiycin.

Treatment of Trypanosomiasis with.

2nd Rept. of the Dir. of Vet. Res., 1912, p. 365.

Arsenophenylglycin and Novoflavin. Treatment of trypanosomiasis with this drug combination.

2nd Rept. of the Dir. of Vet. Res., 1912, p. 369.

Arsenophenylglycin, Trypan blue and sodium arsenite. Treatment of Trypanosomiasis with this drug combination.

2nd Rept. of the Dir. of Vet. Res., 1912, p. 375.

 $\label{lem:approx} Arsen ophenyl glycin, trypan blue and tartar emetic. \qquad Treatment of trypanosomias is with this drug combination.$

2nd Rept. of the Dir. of Vet. Res., 1912, p. 375.

Arsenophenylglycin and tartar emetic. Treatment of trypanosomiasis with this drug combination.

2nd Rept. of the Dir. of Vet. Res., 1912, p. 380.

Ascaridia.

Ascaridia lineata and

Ascaridia columbae. See helminths collected from domesticated fowl and pigeon.

Ascaris megalocephala. See helminthological notes.

Aspergillosis.

In the Ostrich chick.

3rd and 4th Repts. of the Dir. of Vet. Res., 1915, p. 536.

Incubation of eggs for exposure experiment.

3rd and 4th Repts. of the Dir of Vet, Res., 1915, p. 539.

Infected straw experiments.

3rd and 4th Repts. of the Dir. of Vet. Res., 1915, p. 542.

Transmission experiments.

3rd and 4th Repts. of the Dir of Vet. Res., 1915, p. 545.

Examination of eggs.

3rd and 4th Repts. of the Dir. of Vet. Res., 1915, p. 547.

Bacteriological examination of eggs.

3rd and 4th Repts. of the Dir of Vet. Res., 1915, p. 555.

Infection of ostrich eggs experiment.

3rd and 4th Repts. of the Dir. of Vet. Res., 1915, p. 562.

Cultures made from incubators.

3rd and 4th Repts. of the Dir. of Vet. Res., 1915, p. 563.

Experiment with Fowls' eggs.

3rd and 4th Repts. of the Dir. of Vet. Res., 1915, p. 564.

Sterilization experiments.

3rd and 4th Repts. of the Dir. of Vet. Res., 1915, p. 564,

Aspergillus fumigatus.

3rd and 4th Repts. of the Dir. of Vet. Res., 1915, p. 536.

Atoxyl.

Atoxyl and Quinine. Treatment of trypanosomiasis with this drug combination. $2nd\ Rept.\ of\ the\ Dir.\ of\ Vet.\ Res.,\ 1912,\ p.\ 382.$

Atresia ani.

Anatomical Studies No. 30. On two cases of atresia ani.

 $18th\ Rept.\ of\ the\ Dir.\ of\ Vet.\ Ser.\ and\ An.\ Ind.,\ 1932, p.\ 1073.$

Anatomical Studies No. 32. Atresia ani with rectum opening into vagina in a kitten. 18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 1081.

Antrio-Ventricular System of the Equine Heart.

13th and 14th Repts. of the Dir of Vet. Ed. and Res., 1928, p. 745.

Attenuation.

The relation of the virulence of attenuated anthrax strains to their immunizing value.

 $15th\ Rept.\ of\ the\ Dir.\ of\ Vet.\ Ser.,\ 1929, p.\ 183.$

An attempt to attenuate the "virus" of heartwater by passage.

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 151.

Avitaminosis.

Is lamsiekte an avitaminosis?

3rd and 4th Repts. of the Dir. of Vet. Res., 1915, p. 60.

Does avitaminosis exist in farm stock?

 $3rd\ and\ 4th\ Repts.\ of\ the\ Dir.\ of\ Vet.\ Res.,\ 1915,\ p.\ 62.$

Avitilleninae.

See helminth fauna of South Africa.

Babesia bigeminum.

An. Rept. of the Gov. Vet. Bacteriologist, 1909-1910, pp. 69, 104. 1st Rept. of the Dir. of Vet. Res., 1911, pp. 8, 26.

Babesia bovis.

3rd and 4th Repts. of the Dir. of Vet. Res., 1912, p. 505.

Babesia caballi.

3rd and 4th Repts. of the Dir. of Vet. Res., 1912, p. 504.

Babesia canis.

3rd and 4th Repts. of the Dir. of Vet. Res., 1912, p. 505.

Babesia mutans.

An. Rept. of the Gov. Vet. Bacteriologist, 1909-1910. pp. 69, 104.1st Rept. of the Dir. of Vet. Res., 1911, pp. 31, 225.

Babesiosis.

The separation from Anaplasmosis.

1st Rept. of the Dir. of Vet. Res., 1911. p. 8.

Bacillary piroplasmosis.

The diagnosis of bacillary piroplasmosis of bovines in the Transvaal. $Comment.\ Rept.,\ 1909,\ p.\ 55.$

Bacillary White Diarrhoea.

A more, refined method of bleeding birds to obtain serum for the agglutination test for Bacillary White Diarrhoea.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 227.

Bacillus abortus.

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 337.

Bacilius aertrycke.

13th and 14th Repts. of the Dir. of Vet. Ed. and Res., 1928, p. 535.

Bacillus anthracis.

5th and 6th Rept. of the Dir. of Vet. Res., 1918, p. 212.

Bacilius enteritidis.

13th and 14th Repts. of the Dir. of Vet. Ed. and Res., 1928, p. 530.

Bacillus oedematiens.

The occurrence of Bacillus oedematiens in South Africa.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 141.

Bacilius of Preisz Nocard.

See $Corynebacterium\ ovis.$

Bacilius suipestifer.

See Swine Fever.

Bacilius suisepticus.

See swine plague and swine fever.

The character of the S.A. $B.\ suisepticus.$

An. Rept. of the Gov. Vet. Bacteriologist, 1905-1906, p. 131.

Bacon.

Investigations into the production of bacon.

16th Rept. Of the Dir. of Vet. Ser. and An. Ind., 1930, p. 503.

Effect of barley in the ration on the quality of bacon.

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 813.

Bacteria.

Description of a bacteria, isolated from a cattle dipping tank, which reduces arsenate to arsenite.

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 613.

Behaviour of Bacteria towards arsenic.

7th and 8th Repts. of the Dir. of Vet. Res., 1918, p. 701.

The bacteria of the Clostridium botulinum C and D types. 16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 107.

Bacterial Icterus.

13th and 14th Rept. of the Dir. of Vet. Ed. and Res., 1928, p. 733.

Bacterium arsenoxydans.

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 609. 7th and 8th Repts. of the Dir. of Vet. Res., 1918, p. 701.

Racterium arsenreducens

5th and 6th Repts. of the Dir. of Vet. Res., 1918, p. 624. 7th and 8th Repts. of the Dir. of Vet. Res., 1918, p. 701.

Barley.

Effect in the ration on the quality of bacon.

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 813.

Reri-Reri

5th and 6th Rept. of the Dir. of Vet. Res., 1918, p. 778.

Billary Fever.

Further experiments with biliary fever in equines.

An. Rept. of the Gov. Vet. Bacteriologist, 1907-1908, p. 13.

Notes on the chemotherapeutic treatment of biliary fever in dogs.

An. Rept. of the Gov. Vet. Bact., 1909-1910, p. 117.

Bionomics.

Studies on the bionomics of the free-living stages of trichostrongylus spp. and other parasitic nematodes.

16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 175.

Birds.

A checklist and hostlist of the external parasites found on S.A. mammalia, aves and reptilia

11th and 12th Repts. of the Dir. of Vet. Ed. and Res., 1926, p. 705.

Hostlist of the external parasites found on domestic birds in South Africa.

11th and 12th Repts. of the Dir. of Vet. Ed. and Res., 1926, p. 789.

Hostlist of the external parasites found on S.A. birds.

11th and 12th Repts. of the Dir. of Vet. Ed. and Res., 1926, p. 798.

Notes on a few outbreaks of botulism in domesticated animals and birds. 15th Rept. of the Dir. of Vet. Ser., 1929, p. 111.

A more refined method of bleeding birds to obtain serum for the agglutination test for Bacillary White Diarrhoea.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 227.

Salmonella aertrycke infection of canaries.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 265.

A synoptic checklist and hostlist of the ecto-parasites found on S.A. mammalia, aves and reptilia.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 223.

Ectoparasites found on domestic birds.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 469.

Ectoparasites found on S.A. birds.

18th. Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 488.

Bitis arietans (Puff Adder).

2nd Rept. of the Dir. of Vet. Res., 1912, p. 456.

Bitterbossie.

Willowmore Bitterbossie.

Colesberg Bitterbossie.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, pp.894-895.

Bivalent.

A new method for the preparation of a bi-valent vaccine against B. chauvoei and

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 193.

Black Quarter.

Black Quarter in South Africa: with special reference to improved methods of inoculation.

11th and 12th Repts. of the Dir. of Vet. Ed. and Res., 1926, p. 501.

Control of Black Quarter.

11th and 12th Repts. of the Dir. of Vet. Ed. and Res., 1926, p. 505.

Variation in Black Quarter Strains as regards pathogenic properties and immunizing power.

11th and 12th Repts. of the Dir. of Vet. Ed. and Res., 1926, p. 551.

Vaccination against malignant oedema.

11th and 12th Repts. of the Dir. of Vet. Ed. and Res., 1926, p. 561.

Black Quarter.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 195.

Experiment in connection with the pathogenesis of Black Quarter. 15th Rept. of the Dir. of Vet. Ser., 1929, p. 216.

A new method for the preparation of a bivalent vaccine against *B. chauvoei* and *Vibrion septique*.

17th Rept. of the Dir. of Vet. Ser. and An. Ind., 1931, p. 193.

Bleeding.

A more refined method of bleeding birds to obtain serum for agglutination test for bacillary white diarrhoea.

15th Rept. of the Dir. of Vet. Ser., 1929, p. 227.

Blesbuck.

See Damaliscus albifrons.

The transmission of Anaplasma marginale to a blesbuck.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 4.

The transmission of Anaplasma centrale to a blesbuck.

18th Rept. of the Dir. of Vet. Ser. and An. Ind., 1932, p. 10.

Blesbuck ($Damaliscus\ albifrons$) as carrier of nematode parasites. $18th\ Rept.\ of\ the\ Dir.\ of\ Vet.\ Ser.\ and\ An.\ Ind.,\ 1932,\ p.\ 153.$

Blood.

(See also South African Diseases.)

Blood corpuscles-Volume of.

An. Rept. of the Gov. Vet. Bacteriologist, 1907-1908, p. 127.

Blood of equines.

9th and 10th Repts. of the Dir. of Vet. Ed. and Res., 1923, p. 481.

9th and 10th Repts. Of the Dir. of Vet. Ea. and Res., 1923, p. 48.

Blood Studies.—A contribution to the study of the blood and circulation in horsesickness.

11th and 12th Repts. of the Dir. of Vet. Ed. and Res., 1926, p. 33.

Studies in Mineral Metabolism X. The effect of bonemeal feeding on the phosphorus partition of the blood of sheep.

16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 301.

Studies in Mineral Metabolism XI. Mineral metabolism and blood analysis. 16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 307.

Studies in Mineral Metabolism XIII. The phosphorus partition of the blood of some animals.

16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 327.

A short study of the isotonicity of sheep blood.

 $16th\ Rept.\ of\ the\ Dir.\ of\ Vet.\ Ser.\ and\ An.\ Ind.,\ 1930, p.\ 525.$

Blood of cattle.

 $16 th \ Rept. \ of \ the \ Dir. \ of \ Vet. \ Ser. \ and \ An. \ Ind., \ 1930, p. \ 531.$

Infleunce of exercise.

 $16 th \ Rept. \ of \ the \ Dir. \ of \ Vet. \ Ser. \ and \ An. \ Ind., \ 1930, p. \ 537.$

Influence of pregnancy and parturition.

16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 542.

Influence of oestrum.

10th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 544.

Influence of altitude.

16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 544.

Influence of lactation.

 $16 th\, Rept.\,\, of\,\, the\,\, Dir.\,\, of\,\, Vet.\,\, Ser.\,\, and\,\, An.\,\, Ind.,\,\, 1930,\, p.\,\, 545.$

The leucocytes of cattle.

16th Rept. of the Dir. of Vet. Ser. and An. Ind., 1930, p. 545.