SUBJECT INDEX.

Volume 22, Nos. 1 and 2.

| Abnormal Milk. | PAGE |
|---|------|
| The secretion of abnormal milk by quarters free from known pathogens | 91 |
| Alimentary Tract. | |
| Studies on the alimentary tract of the Merino sheep in South Africa. XVI. The fate of nitrate in ruminal ingesta as studied in vitro | 357 |
| Alkaloids. | |
| The alkaloids of Senecio bupleuroides D.C | 291 |
| The alkaloids of Senecio paucicalyculatus Platt | 297 |
| Atmospheric Temperature. | |
| Studies on the water requirements of farm animals in South Africa. II. The relation between water consumption, food consumption and atmospheric temperature as studied on Merino sheep | 345 |
| Blowfly. | |
| D.D.T. for the protection of sheep against blowfly strike | 285 |
| Blue Tick. | |
| Zoological survey of the Union of South Africa. Tick survey Part II. Distribution of Boophilus (Palpoboophilus) decoloratus, the blue tick | 255 |
| Bluetongue. | |
| The propagation of bluetongue virus in the developing chick embryo with particular reference to the temperature of incubation | 7 |
| Further observations on the pathology of bluetongue in sheep \dots \dots \dots \dots | 27 |
| Boophilus Decoloratus. | |
| Zoological survey of the Union of South Africa. Tick survey Part II. Distribution of Boophilus (Palpoboophilus) decoloratus, the blue tick | 255 |
| Brown Tick. | |
| Zoological survey of the Union of South Africa. Tick survey Part III. Distribution of Rhipicephalus appendiculatus, the brown tick | 269 |
| Carbohydrate Content. | |
| The carbohydrate content of lucerne under different meteorological and physiological conditions | 373 |
| Cardiac Glycoside. | |
| The eardiac glycoside from Urginea rubella Baker. Part I. Isolation and properties of rubellin | |
| Cattle. | |
| Investigation into immunization of cattle against rinderpest in Tanganyika Territory | |

| Chick Embryo. | PAGE |
|---|------------|
| The propagation of bluetongue virus in the developing chick embryo with particular reference to the temperature of incubation | 7 |
| D.D.T. | |
| D.D.T. for the protection of sheep against blowfly strike | 285 |
| Dichapetalum Cymosum. | |
| Studies on the action of potassium monofluoroacetate (CH ₂ FCOOK) [Dichapetalum vymosum (Hook) Engl.] toxin on animals | 77 |
| Diffusion Constant. | |
| The diffusion constant and molecular weight and shape of neurotropic horsesickness virus | |
| Ewe. | |
| The sperm picture of rams of different breeds as an indication of their fertility. II. The rate of sperm travel in the genital tract of the ewe | 415 |
| Fertility. | |
| The sperm picture of rams of different breeds as an indication of their fertility. II. The rate of sperm travel in the genital tract of the ewe | |
| Food Consumption. | |
| Studies on the water requirements of farm animals in South Africa. II. The relation between water consumption, food consumption and atmospheric temperature as studied on Merino sheep | |
| Fowls. | |
| Mites hitherto unrecorded in South Africa, collected in Natal from fowls, pigeons, turkeys, guinea-fowls, wild birds and rabbits | |
| Genital Tract. | |
| The sperm picture of rams of different breeds as an indication of their fertility. II. The rate of sperm travel in the genital tract of the ewe | 415 |
| Guinea-Fowls. | |
| Mites hitherto unrecorded in South Africa, collected in Natal from fowls, pigeons, turkeys, guinea-fowls, wild birds and rabbits | 51 |
| Immunization. | |
| Investigation into immunization of cattle against rinderpest in Tanganyika Territory | Charles of |
| Intermittent Watering. | |
| Studies on the water requirements of farm animals in South Africa. I. The effect of intermittent watering on Merino sheep | 335 |
| Lantadene. | |
| The active principle of Lantana camara L. Part III. Pyrolytic distillation of lantadene A | 321 |
| The active principle of Lantana camara L. Part IV. Dehydrogenation of lantadene A and lantadene B | 329 |

| Lantana Camara. | PAGE |
|--|------|
| The active principle of Lantana camara L. Part III. Pyrolytic distillation of lantadene A | 321 |
| The active principle of Lantana camara L. Part IV. Dehydrogenation of lantadene A and lantadene B | 329 |
| Lucerne. | |
| The carbohydrate content of lucerne under different meteorological and physiological conditions | 373 |
| Meteorological Conditions. | |
| The carbohydrate content of lucerne under different meteorological and physiological conditions | 373 |
| ites. | |
| Mites hitherto unrecorded in South Africa, collected in Natal from fowls, pigeons, turkeys, guinea-fowls, wild birds and rabbits | 51 |
| Molecular Weight. | |
| The diffusion constant and molecular weight and shape of neurotropic horsesickness virus | 41 |
| Neurotropic Horsesickness Virus. | |
| The diffusion constant and molecular weight and shape of neurotropic horsesickness virus | 41 |
| Nicotiana Glauca. | |
| A chemical investigation of the constituents of Nicotiana glauca R. Grah. (Solanaceae) (Wild tobacco) | 301 |
| Nitrate. | |
| Studies on the alimentary tract of the Merino sheep in South Africa. XVI. The fate of nitrate in ruminal ingesta as studied in vitro | 357 |
| Palpoboophilus Decoloratus. | |
| Zoological survey of the Union of South Africa. Tick survey Part II. Distribution of Boophilus (Palpoboophilus) decoloratus, the blue tick | 255 |
| Pathogens. | |
| The secretion of abnormal milk by quarters free from known pathogens | 91 |
| Pathology. | |
| Further observations on the pathology of bluetongue in sheep , | 27 |
| Physiological Conditions. | |
| The carbohydrate content of lucerne under different meteorological and physiological conditions | 373 |
| Pigeons. | |
| Mites hitherto unrecorded in South Africa, collected in Natal from fowls, pigeons, turkeys, guinea-fowls, wild birds and rabbits | 51 |

| Potassium Monofluoroacetate. | PAGE |
|--|-------|
| Studies on the action of potassium monofluoroacetate (CH ₂ FCOOK) [Dichapetalum cymosum (Hook) Engl.] toxin on animals | 77 |
| Rabbits. | |
| Mites hitherto unrecorded in South Africa, collected in Natal from fowls, pigeons, turkeys, guinea-fowls, wild birds and rabbits | 51 |
| Ram. | |
| The sperm picture of rams of different breeds as an indication of their fertility. II. The rate of sperm travel in the genital tract of the ewe | 415 |
| Rhipicephalus Appendiculatus. | |
| Zoological survey of the Union of South Africa. Tick survey Part III. Distribution of Rhipicephalus appendiculatus, the brown tick | 269 |
| Rinderpest. | |
| Investigation into immunization of cattle against rinderpest in Tanganyika Territory | |
| Rubellin. | |
| The cardiac glycoside from Urginea rubella Baker, Part I. Isolation and properties of rubellin | 313 |
| Ruminal Ingesta. | |
| Studies on the alimentary tract of the Merino sheep in South Africa. XVI The fate of nitrate in ruminal ingesta as studied in vitro | 357 |
| Secretion. | |
| The secretion of abnormal milk by quarters free from known pathogens | . 91 |
| Senecio. | |
| The alkaloids of Senetio bupleuroides D.C | 291 |
| The alkaloids of Senecio paucicalyculatus Platt | |
| Shape. | |
| The diffusion constant and molecular weight and shape of neurotropic horsesickness virus | 4.7 |
| Sheep. | |
| Further observations on the pathology of bluetongue in sheep | . 27 |
| D.D.T. for the protection of sheep against blowfly strike | . 285 |
| Studies on the water requirements of farm animals in South Africa, I The effect of intermittent watering on Merino sheep | 000 |
| Studies on the water requirements of farm animals in South Africa. II The relation between water consumption, food consumption and atmospheric temperature as studied on Merino sheep | 1 |
| Studies on the alimentary tract of the Merino sheep in South Africa. XVI The fate of nitrate in ruminal ingesta as studied in vitro | |
| Solanaceae. | |
| A chemical investigation of the constituents of Nicotiana glauca R. Grah (Solanaceae) (Wild tobacco) | |

| Sperm Picture. | PAGE |
|---|------|
| The sperm picture of rams of different breeds as an indication of their fertility. II. The rate of sperm travel in the genital tract of the ewe | 415 |
| Sperm Travel. | |
| The sperm picture of rams of different breeds as an indication of their fertility. II. The rate of sperm travel in the genital tract of the ewe | 415 |
| Temperature of Incubation. | |
| The propagation of bluetongue virus in the developing chick embryo with particular reference to the temperature of incubation | 7 |
| Toxin. | |
| Studies on the action of potassium monofluoroacetate (CH ₂ FCOOK) [Dichapetalum cymosum (Hook) Engl.] toxin on animals | |
| Turkeys. | |
| Mites hitherto unrecorded in South Africa, collected in Natal from fowls, pigeons, turkeys, guinea-fowls, wild birds and rabbits | 51 |
| Urginea Rubella. | |
| The cardiac glycoside from Urginea rubella Baker. Part I. Isolation and properties of rubellin | 070 |
| Water Consumption. | |
| Studies on the water requirements of farm animals in South Africa. II. The relation between water consumption, food consumption and atmospheric temperature as studied on Merino sheep | |
| Water Requirements. | |
| Studies on the water requirements of farm animals in South Africa. I. The effect of intermittent watering on Merino sheep | 00 8 |
| Studies on the water requirements of farm animals in South Africa. II. The relation between water consumption, food consumption and atmospheric temperature as studied on Merino sheep | |
| Wild Birds. | |
| Mites hitherto unrecorded in South Africa, collected in Natal from fowls, pigeons, turkeys, guinea-fowls, wild birds and rabbits | 51 |
| Wild Tobacco. | |
| A chemical investigation of the constituents of Nicotiana glauca R. Grah. (Solanaceae) (Wild tobacco) | 001 |
| Zoological Survey. | |
| Zoological survey of the Union of South Africa. Tick survey Part II. Distribution of Boophilus (Palpoboophilus) decoloratus, the blue tick | 255 |
| Zoological survey of the Union of South Africa. Tick survey Part III. Distribution of Rhipicephalus appendiculatus, the brown tick | 269 |