

REPUBLIC OF SOUTH AFRICA



DEPARTMENT OF AGRICULTURAL  
TECHNICAL SERVICES

# AUTHOR AND SUBJECT INDEX

TO THE

ONDERSTEPSPOORT JOURNAL OF  
VETERINARY SCIENCE AND ANIMAL  
INDUSTRY (1933-1950)

AND THE

ONDERSTEPSPOORT JOURNAL OF  
VETERINARY RESEARCH (1951-1968)

JUNE 1969

Printed in the Republic of South Africa by V & R Printing Works, Pretoria,  
for the Government Printer, Pretoria.

1969

REPUBLIC OF SOUTH AFRICA



DEPARTMENT OF AGRICULTURAL  
TECHNICAL SERVICES

# AUTHOR AND SUBJECT INDEX

TO THE

ONDERSTEPOORT JOURNAL OF  
VETERINARY SCIENCE AND ANIMAL  
INDUSTRY (1933-1950)

AND THE

ONDERSTEPOORT JOURNAL OF  
VETERINARY RESEARCH (1951-1968)

JUNE 1969

Printed in the Republic of South Africa by the Government Printer, Pretoria  
1969

## FOREWORD

Since the issue of the "Author and Subject Index to the Government Veterinary Reports of the Transvaal and Union of South Africa 1903-1932" which appeared in June 1937, thirty five volumes consisting of one hundred and twenty-six numbers of the "Onderstepoort Journal of Veterinary Research" and two supplements have been published. These represent a written record of research work done in veterinary science and allied disciplines in the Republic of South Africa during the past thirty-six years. Many subjects have been covered by many authors and the task of finding a particular reference in these volumes is no easy one. As a result an author and subject index has been compiled to cover volumes 1 to 35 and it is hoped that this will be of material benefit to research workers all over the world.

# LIST OF JOURNALS INDEXED AND DATES OF PUBLICATION

The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 1	1933
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 2	1934
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 3	1934
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 4	1935
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 5	1935
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 6	1936
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 7	1936
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 8	1937
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 9	1937
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 10	1938
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 11	1938
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 12	1939
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 13	1939
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 14	1940
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 15	1940
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 16	1941
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 17	1941
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 18	1943
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 19	1944
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 20	1944-1945
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 21	1946-1947
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 22	1947-1949
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 23	1948
The Onderstepoort Journal of Veterinary Science and Animal Industry,	Vol. 24	1950
The Onderstepoort Journal of Veterinary Research,	Vol. 25	1951-1952
The Onderstepoort Journal of Veterinary Research,	Supplement 1	1951
The Onderstepoort Journal of Veterinary Research,	Supplement 2	1952
The Onderstepoort Journal of Veterinary Research,	Vol. 26	1953-1954
The Onderstepoort Journal of Veterinary Research,	Vol. 27	1956-1958
The Onderstepoort Journal of Veterinary Research,	Vol. 28	1959-1961
The Onderstepoort Journal of Veterinary Research,	Vol. 29	1962
The Onderstepoort Journal of Veterinary Research,	Vol. 30	1963
The Onderstepoort Journal of Veterinary Research,	Vol. 31	1964
The Onderstepoort Journal of Veterinary Research,	Vol. 32	1965
The Onderstepoort Journal of Veterinary Research,	Vol. 33	1966
The Onderstepoort Journal of Veterinary Research,	Vol. 34	1967
The Onderstepoort Journal of Veterinary Research,	Vol. 35	1968

# AUTHOR INDEX

	Volume	Page
<b>Abrams, L. &amp; Brown, J.M.M.</b>		
Biochemical studies on aflatoxicosis	32	119
<b>Adelaar, T.F., Alexander, R.A. &amp; Haig, D.A.</b>		
The attenuation of bluetongue virus by serial passage through fertile eggs	21	231
<b>Adelaar, T.F. &amp; Haig, D.A.</b>		
A case of swine erysipelas in the Union of South Africa.	20	57
<b>Adelaar, T.F., Neitz, W.O. &amp; Alexander, R.A.</b>		
Studies on immunity in heartwater.	21	243
<b>Adelaar, T.F., Quinlan, J.B. &amp; Bisschop, J.H.R.</b>		
Bionomic studies on cattle in the semi-arid regions of the Union of South Africa. IV. The ovarian cycle of heifers during summer.	16	213
<b>Alexander, R.A.</b>		
Studies on the neurotropic virus of horsesickness. I. - Neurotropic fixation.	4	291
Studies on the neurotropic virus of horsesickness II. - Some physical and chemical properties.	4	323
Studies on the neurotropic virus of horsesickness. III. - The intracerebral protection test and its application to the study of immunity.	4	349
Studies on the neurotropic virus of horsesickness. IV. - The pathogenesis in horses.	4	379
Studies on the neurotropic virus of horsesickness. V. - The antigenic response of horses to simultaneous, trivalent immunization.	7	11
Studies on the neurotropic virus of horsesickness. VI. - Propagation in the developing chick embryo.	11	9
The propagation of bluetongue virus in the developing chick embryo with particular reference to the temperature of incubation.	22	7
The 1944 epizootic of horsesickness in the Middle East.	23	77
<b>Alexander, R.A., Adelaar, T.F. &amp; Neitz, W.O.</b>		
Studies on immunity in heartwater.	21	243
<b>Alexander, R.A. &amp; du Toit, P.J.</b>		
The immunization of horses and mules against horsesickness by means of the neurotropic virus of mice and guinea pigs.	2	375
<b>Alexander, R.A., du Toit, P.J. &amp; Neitz, W.O.</b>		
<i>Eperythrozoon ovis</i> (sp. nov.) infection in sheep.	3	263
Horsesickness immunization of horses and mules in the field during the season 1934-35, with a description of the technique of preparation of polyvalent mouse neurotropic vaccine.	7	17
<b>Alexander, R.A. &amp; Haig, D.A.</b>		
The use of egg attenuated bluetongue virus in the production of a polyvalent vaccine for sheep. A. Propagation of the virus in sheep.	25	(1) 3
<b>Alexander, R.A., Haig, D.A. &amp; Adelaar, T.F.</b>		
The attenuation of bluetongue virus by serial passage through fertile eggs.	21	231
<b>Alexander, R.A., Haig, D.A. &amp; McKercher, D.G.</b>		
The cytopathogenic action of bluetongue virus on tissue cultures and its application to the detection of antibodies in the serum of sheep.	27	171

<b>Alexander, R.A. &amp; Mason, J.H.</b>		
Heartwater in sheep. The Weil-Felix reaction and an investigation into the bacterial content of the blood with particular reference to the use of K-medium. . . . .	3	7
Studies of the Rickettsias of the Typhus-Rocky-Mountain-Spotted-Fever group in South Africa. (II). Morphology and cultivation. . . . .	13	25
Studies of the Rickettsias of the Typhus-Rocky-Mountain-Spotted-Fever group in South Africa. (III). The disease in the experimental animal. Cross-immunity tests. . . . .	13	41
Studies of the Rickettsias of the Typhus-Rocky-Mountain-Spotted-Fever group in South Africa. IV. Discussion and classification. . . . .	13	67
Studies on the neurotropic virus of Horsesickness. VII. Transmitted immunity. . . . .	16	19
<b>Alexander, R.A., Mason, J.H. &amp; Neitz, W.O.</b>		
Studies on the Rickettsias of the Typhus-Rocky-Mountain-Spotted-Fever group in South Africa (I). Isolation of strains. . . . .	13	19
The transmission of tickbite fever by the dog tick <i>Rhipicephalus sanguineus</i> Labs. . . . .	16	9
<b>Alexander, R.A., McIntosh, B.M. &amp; Haig, D.A.</b>		
Isolation in mice and embryonated hens' eggs of virus associated with vaginitis of cattle. . . . .	26	479
<b>Alexander, R.A. &amp; Neitz, W.O.</b>		
The transmission of louping ill by ticks ( <i>Rhipicephalus appendiculatus</i> ). . . . .	5	15
Immunization of cattle against heartwater and the control of the tick-borne diseases, redwater, gall-sickness and heartwater. . . . .	20	137
<b>Alexander, R.A., Neitz, W.O. &amp; du Toit, P.J.</b>		
The immunization of mules with formalized horsesickness virus. II. . . . .	1	21
The immunization of horses against horsesickness by the use of formalized virus, Part II. . . . .	1	25
<b>Alexander, R.A., Weiss, K.E. &amp; Haig, D.A.</b>		
Aureomycin in the treatment of heartwater. . . . .	25	(4) 41
Wesselsbron virus — a virus not previously described, associated with abortion in domestic animals. . . . .	27	183
<b>Barrow, D.B.</b>		
The epizootiology of nematode parasites of sheep in the Border Area. . . . .	31	151
<b>Basson, P.A.</b>		
Studies on specific oculo-vascular myiasis of domestic animals (uitpeuloog). I Historical review. . . . .	29	81
Studies on specific oculo-vascular myiasis of domestic animals (uitpeuloog). II Experimental transmission. . . . .	29	203
Studies on specific oculo-vascular myiasis of domestic animals (uitpeuloog). III Symptomatology, pathology, aetiology and epizootiology. . . . .	29	211
Studies on specific oculo-vascular myiasis (uitpeuloog) of domestic animals. IV Chemotherapy. . . . .	33	297
Gedoelstia myiasis in antelopes of Southern Africa. . . . .	33	77
<b>Basson, P.A., Bigalke, R.D., van Niekerk, J.W. &amp; McCully R.M.</b>		
Studies on the relationship between <i>Besnoitia</i> of blue wildebeest and impala, and <i>Besnoitia besnoiti</i> of cattle. . . . .	34	7

<b>Basson P.A. McCully, R.M., &amp; van Niekerk, J.W.</b>		
The pathology of <i>Cordophilius sagittus</i> (v. Linstow, 1907) infestation in the kudu [ <i>Tragelaphus strepsiceros</i> (Pallas, 1766)] ,bushbuck [ <i>Tragelaphus scriptus</i> (Pallas, 1766)] and African buffalo [ <i>Syncerus caffer</i> (Sparman, 1779)] in South Africa. . . . .	34	137
<b>Basson, P.A., McCully, R.M., van Niekerk, J.W. &amp; Bigalke, R.D.</b>		
Observations on <i>Besnoitia</i> cysts in the cardiovascular system of some wild antelopes and domestic cattle. . . . .	33	245
<b>Basson, P.A. &amp; Nevill, E.M.</b>		
A description of the first stage larva of <i>Oestrus aureoargentatus</i> Rodhain and Bequaert (1912) obtained by artificial mating (Diptera: Oestridae). . . . .	33	287
<b>Basson, P.A., Pienaar, J.G. &amp; van der Merwe, J.L. de B.</b>		
Studies on the pathology of heartwater [ <i>Cowdria (Rickettsia) ruminantium</i> , 1926]. I. Neuropathological changes. . . . .	33	115
<b>Bayer, A.M., Canham, A.S. &amp; Mitchell, D.T.</b>		
<i>Urginea capitata</i> Baker – the berg slangkop, its toxic effects on ruminants, with a brief botanical survey of area. . . . .	2	681
<b>Bedford, G.A.H.</b>		
Description of new species of <i>Anoplura</i> parasitic on antelopes and a hare. . . . .	2	41
South African Ticks. Part.1. . . . .	2	49
Notes on species of Trichodectidae with descriptions of new genera and species. . . . .	7	33
New species of <i>Linognathus</i> and <i>Polyplax</i> ( <i>Anoplura</i> ). . . . .	7	59
Description of a new species of <i>Hippobosca</i> (Diptera, Pupipara). . . . .	7	67
A synoptic checklist and hostlist of the ectoparasites found on South African mammalia, aves and reptilia (Supplement 1). . . . .	7	69
Further notes on species of Trichodectidae with description of new species. . . . .	12	103
Notes on Menoponidae (Mallophaga) with descriptions of new genera and species. . . . .	12	121
<b>Bedford, G.A.H. &amp; Coles, J.D.W.A.</b>		
The transmission of <i>Aegyptianella pullorum</i> Carpano to fowls by means of ticks belonging to the Genus <i>Argas</i> . . . . .	1	15
<b>Bedford, G.A.H., du Toit, R.M. &amp; Nieschulz, O.</b>		
Investigations into the transmission of bluetongue in sheep during the season 1931-32. . . . .	2	509
Results of a mosquito survey at Onderstepoort during the summer 1931-32 in connection with the transmission of horsesickness. . . . .	3	43
Investigations into the transmission of horsesickness at Onderstepoort during the season 1931-32. . . . .	3	275
<b>Bedford, G.A.H. &amp; Wilken-Jorden, T.J.</b>		
Researches into dips and dipping. A. Lime-sulphur dips. Paper V. The minimum effective concentration of lime sulphur dips for sheep scab eradication. . . . .	2	239
Researches into dips and dipping. C. Miscellaneous. The effect of dosing aloes to tick-infested cattle. . . . .	2	267
<b>Bekker, J.G., de Kock, G.v.d.W &amp; Quinlan, J.B.</b>		
The occurrence and identification of bluetongue in cattle – the so-called pseudo-foot-and-mouth disease in South Africa. . . . .	2	393
<b>Bekker, J.G. &amp; Mason, J.H.</b>		
Further notes on lumpy wool in South Africa. . . . .	3	211

<b>Bekker, J.G., van Wyk, C.M. &amp; Botha, M.L.</b>		
The effect of supplements of different forms of sulphur to the diet upon the wool of Merino sheep. . . . .	5	177
<b>Bekker, P.M., Malan, J.R., Clark, R. Groenewald, J.W. &amp; Graf, H.</b>		
Domsiekte or pregnancy disease in sheep. II. . . . .	17	245
<b>Bekker, P.M. &amp; Steyn, D.G.</b>		
The toxicity of some dipping fluids containing arsenic and sulphur. . . . .	11	247
<b>Belonje, C.E. &amp; Curson, H.H.</b>		
Anatomical studies. No. 41. Prenatal death in the Merino ewe associated with deformity of the cervix uteri. . . . .	3	235
<b>Belonje, C.W.A. &amp; de Lange, M.</b>		
Anatomical studies. No. 53. Local thickening of the vascular system in a horse. . . . .	4	571
<b>Belonje, P.C.</b>		
A study of the effects of thyro-parathyroidectomy in young and mature sheep. . . . .	34	647
<b>Besselaar, H.J. &amp; Quin, J.I.</b>		
Studies on the alimentary tract of sheep in South Africa. III. The influence of bowel anastomosis on the general nutritional state of Merino sheep. . . . .	5	501
<b>Bigalke, R.D.</b>		
Observations on the antigens of some trypanosomes with special reference to common antigens. . . . .	33	277
The artificial transmission of <i>Besnoitia besnoiti</i> (Marotel, 1912) from chronically infected to susceptible cattle and rabbits. . . . .	34	303
New concepts on the epidemiological features of bovine besnoitiosis as determined by laboratory and field investigations. . . . .	35	3
<b>Bigalke, R.D., McCully, R.M., Basson, P.A. &amp; van Niekerk, J.W.</b>		
Observations on <i>Besnoitia</i> cysts in the cardiovascular system of some wild antelopes and domestic cattle. . . . .	33	245
<b>Bigalke, R.D., van Niekerk, J.W., Basson, P.A. &amp; McCully, R.M.</b>		
Studies on the relationship between <i>Besnoitia</i> of blue wildebeest and impala, and <i>Besnoitia besnoiti</i> of cattle. . . . .	34	7
<b>Bisschop, J.H.R., Adelaar, T.F. &amp; Quinlan, J.B.</b>		
Bionomic studies on cattle in the semi-arid regions of the Union of South Africa. IV. The ovarian cycle of heifers during summer. . . . .	16	213
<b>Bisschop, J.H.R. &amp; Curson, H.H.</b>		
Studies in Native Animal Husbandry (7). Makalanga cattle – a representative described. . . . .	1	621
Studies in Native Animal Husbandry. An Ambo bull described. . . . .	4	541
Anatomical study. No. 60. Some comments on the hump of African cattle. . . . .	5	621
<b>Bisschop, J.H.R., Malan, A.I., Steyn, H.P. &amp; Laurence, G.B.</b>		
On the feeding of a phosphorus supplement to motherreared calves, prior to weaning, under open range conditions in Bechuanaland. . . . .	13	321
<b>Blom, I.J.B.</b>		
Studies in mineral metabolism. XXVIII. Methods of the micro-determination of iodine in biological material. . . . .	2	123
Studies in mineral metabolism. XXIX. The iodine content of foodstuffs in relation to the occurrence of endemic goitre in the Langkloof Valley. . . . .	2	131



Studies in mineral metabolism. XXX. Variations in the iodine content of grasses at different stages of growth and a note on the iodine content of milk. . . . .	2	139
<b>Bodenstein, S.I., Quin, J.I. &amp; Louw, J.G.</b>		
The digestibility for sheep of the cellulose in a poor veld hay as affected by supplements of a mixture of concentrates and green feeds. . . . .	23	239
<b>Bonsma, J.C., Rose, P.D., Quinlan, J.B. &amp; Claassens, C.C.</b>		
Observations on the gestation period of Ronderib-Afrikander sheep. . . . .	12	251
<b>Bonsma J.C., Smuts, D.B. &amp; Marais, J.S.C.</b>		
The utilization of the protein of Somerset beans by rats and sheep. . . . .	15	211
<b>Bosman, S.W., Laurence, G.B., Groenewald, J.W., Quin, J.I., Clark, R. &amp; Ortiapp, R.J.</b>		
The influence of nutritional level on verminosis in Merino lambs. . . . .	25 (1)	121
<b>Bosman, V.</b>		
The determination of fleece density in the Merino sheep. . . . .	3	217
Fibre fineness of South African Merino wool. . . . .	3	223
The influence of pregnancy and lactation on Merino wool production. . . . .	4	551
The seasonal influence on Merino wool production. . . . .	5	323
A freak Merino fleece. . . . .	5	517
Studies on Merino wool production. Plainbodied and developed Merino sheep.		
1 - The standard of production of a group of plainbodied stud ewes. . . . .	17	319
Studies on Merino wool production. Plainbodied and developed Merino sheep.		
II. - Fleece density tests on a group of extremely plainbodied Merino stud rams. . . . .	17	345
<b>Bosman, V. &amp; Botha, M.L.</b>		
Methods for determining length in the Merino fleece. . . . .	12	261
<b>Bosman, V. &amp; Botha, P.S.</b>		
A study of wool from Merino stud rams. . . . .	1	581
<b>Bosman, V., Deurden, J.E. &amp; Maré, G.S.</b>		
The influence of regular dipping on the Merino sheep and its fleece. . . . .	1	567
<b>Bosman, V. &amp; Maré, G.S.</b>		
The influence of feed on the Merino sheep. . . . .	3	199
<b>Bosman, V. &amp; Rossouw, S.D.</b>		
The cystine content of Merino wool in relation to its physical attributes. . . . .	13	237
<b>Bosman, V. &amp; van Wyk, C.M.</b>		
Notes on the determination of the fibre fineness of a Merino wool staple. . . . .	13	401
Studies on the basic characteristics of South African Merino wool. IV. - Scaliness. . . . .	16	543
<b>Bosman, V., Waterson, E. &amp; van Wyk, C.M.</b>		
Studies on the basic characteristics of South African Merino wool. 1. Breaking strength and tensile strength. . . . .	15	313
<b>Botes, H.J.W.</b>		
Environmentally induced changes in <i>Salmonella</i> cultures. . . . .	30	85
<b>Botha, J.C., Horak, I.G. &amp; Clark, R.</b>		
The pathological physiology of helminth infestations. I. <i>Ostertagia circumcincta</i> . . . . .	32	147
<b>Botha, M.L., Bekker, J.G. &amp; van Wyk, C.M.</b>		
The effect of supplements of different forms of sulphur to the diet upon the wool of Merino sheep. . . . .	5	177

<b>Botha, M.L. &amp; Bosman V.</b>		
Methods for determining length in the Merino fleece. . . . .	12	261
<b>Botha, M.L., du Toit, P.J., Malan, A.I. &amp; Groenewald, J.W.</b>		
Studies in mineral metabolism, XXXIV. The effect of sulphur upon the weight and wool production of sheep when food intake is not limited. . . . .	7	181
<b>Botha, M.L., Groenewald, J.W., Malan, A.I. &amp; du Toit, P.J.</b>		
Studies in mineral metabolism, XXXII. The effect of different forms of sulphur in the diet upon the growth and wool production of sheep. . . . .	4	229
<b>Botha, M.L., Malan, A.P. &amp; van Wyk, C.M.</b>		
Wool studies: 1. The variation and interdependence of Merino fleece and fibre characteristics. . . . .	5	519
<b>Botha, P.S. &amp; Bosman, V.</b>		
A study of wool from Merino stud rams. . . . .	1	581
<b>Briel, R.J.J. &amp; Grosskopf, J.F.W.</b>		
The effect of high levels of sodium bicarbonate in the drinking water of sheep on rumen function. . . . .	33	315
<b>Broekman, J., Verwoerd, D.W., Oellermann, R.A. &amp; Weiss, K.E.</b>		
The serological relationship of South African bovine enterovirus strains (Ecbo SA-I and -II) and the growth characteristics in cell culture of the prototype strain (Ecbo SA-I). . . . .	34	41
<b>Bronkhorst, J.J.</b>		
The influence of the protein level of the diet on the growth, egg production, egg weight, and mortality of Single Comb White Leghorn pullets. . . . .	10	469
The growth promoting qualities of various protein concentrates for Leghorn chickens. . . . .	10	481
<b>Bronkhorst, J.J. &amp; Coles J.D.W.A.</b>		
The familial incidence of spontaneous osteopetrosis gallinarum. . . . .	21	79
<b>Brown, J.M.M.</b>		
Biochemical studies on geeldikkop and enzootic icterus. . . . .	35	319
<b>Brown, J.M.M. &amp; Abrams, L.</b>		
Biochemical studies on aflatoxicosis. . . . .	32	119
<b>Brown, J.M.M. &amp; de Wet, P.J.</b>		
A preliminary report on the occurrence of selenosis in South Africa and its possible role in the aetiology of tribulosis (geeldikkop), enzootic icterus and some other disease conditions encountered in the Karoo areas. . . . .	29	111
Chemical studies on blood and tissues from Angora goats carrying to normal term and from habitually-aborting animals. . . . .	30	169
Contributions to the study of blood constituents in domestic animals in South Africa. 4. Normal values for haemoglobin and plasma calcium, inorganic phosphate, magnesium, iron and copper in the blood of Angora goats in the Cape Midlands. . . . .	33	343
A survey of the occurrence of potentially harmful amounts of selenium in the vegetation of the Karoo. . . . .	34	161
<b>Brown, J.M.M., van Rensburg, S.J. &amp; Gray, R.</b>		
The urinary excretion of $5\beta$ -Pregnane- $3\alpha$ : $20\alpha$ -diol and gestational failure in Angora goats. . . . .	30	179

<b>Brown, J.M.M. &amp; Wagner, Adriana M.</b>		
Contributions to the study of blood constituents in domestic animals in South Africa. 2. Normal values for the activity of some enzymes of the Embden-Meyerhof pathway and tricarboxylic acid cycle occurring in the plasma of sheep. . . . .	33	325
Contributions to the study of blood constituents in domestic animals in South Africa. 3. Normal values for the activity of glyceraldehyde-phosphate dehydrogenase and glucose-6-phosphate dehydrogenase in the erythrocytes of sheep . . . . .	33	337
<b>Brown, M.H.V. &amp; Henning, M.W.</b>		
Pasteurellosis. An outbreak amongst sheep. . . . .	7	113
<b>Buchan, L. &amp; Cameron, C.M.</b>		
Identification of the protective and toxic antigens of <i>Corynebacterium pseudotuberculosis</i> . . . . .	33	39
<b>Burger, J.F.</b>		
Sex physiology of pigs. . . . .	Suppl.2 (1952)	3
<b>Caeiro, V.M.P.</b>		
<i>Culicoides gulbenkiani</i> , a new species of <i>Culicoides</i> (Diptera: Ceratopogonidae) in South Africa. . . . .	28	155
<b>Cameron, C.M.</b>		
The significance of the endotoxin and pyogenic factor of <i>Corynebacterium pseudotuberculosis</i> in immunity. . . . .	31	119
The immunizing properties of a <i>Staphylococcus aureus</i> variant possessing surface antigen. . . . .	33	25
<b>Cameron, C.M. &amp; Buchan, L.</b>		
Identification of the protective and toxic antigens of <i>Corynebacterium pseudotuberculosis</i> . . . . .	33	39
<b>Canham, A.S.</b>		
Watery whites of eggs. Report of preliminary investigations. . . . .	1	529
The tuberculin test in guinea-pigs and cattle. The allergic response of animals to tuberculin and to extracts of non-pathogenic acid-fast bacteria. . . . .	19	29
Bacillary white diarrhoea of poultry and its eradication in the Union of South Africa. . . . .	23	171
<b>Canham, A.S., Bayer, A.M. &amp; Mitchell, D.T.</b>		
<i>Urginea capitata</i> Baker – the berg slangkop, its toxic effects on ruminants, with a brief botanical survey of area. . . . .	2	681
<b>Carter, H.B., van Wyk, C.M. &amp; Malan, A.P.</b>		
Wool studies. III. The uniformity of a series of fibre thickness measurements on a small sample of medium Merino wool. . . . .	10	445
<b>Cilliers, P.A. &amp; Mönig, H.O.</b>		
Sheep blowfly research. VII. Investigations in the Cape winter-rainfall areas. . . . .	19	71
<b>Claassens, C.C., Bonsma, J.C., Rose P.D. &amp; Quinlan, J.B.</b>		
Observations on the gestation period of Ronderib-Afrikander sheep. . . . .	12	251
<b>Clark, R.</b>		
Domsiekte or pregnancy disease in sheep. IV. The effect of obesity on the reaction of sheep to a sudden reduction in diet. . . . .	18	279
Studies on the alimentary tract of Merino sheep in South Africa. XIV. The effect of some commonly used antifermentatives on the <i>in vitro</i> formation		

of gas in ruminal ingesta and its bearing on the pathogenesis of bloat. . . . .	23		389
Studies on the alimentary tract of the Merino sheep in South Africa. XX. The failure of the rumen musculature to respond to carboxylcholine chloride when paralysed by potassium cyanide. . . . .	25	(1)	67
Studies on the pharmacology and toxicology of Acovenoside A. . . . .	25	(4)	69
A study of the water-soluble phosphate concentration of the ruminal contents in normal and phosphorus deficient animals. . . . .	26		137
The pathological physiology of heartwater [ <i>Cowdria (Rickettsia) ruminantium</i> Cowdry, 1926]. . . . .	29		25
A study of the plasma sodium and potassium levels in normal Merino sheep. . . . .	28		229
<b>Clark, R., Botha, J.C. &amp; Horak, I.G.</b>			
The pathological physiology of helminth infestations. I. <i>Ostertagia circumcincta</i> . . . . .	32		147
<b>Clark, R. &amp; Gray, R.S.</b>			
The excretion of biuret in the urine of sheep fed biuret. . . . .	31		91
<b>Clark, R., Groenewald, J.W. &amp; Graf, H.</b>			
Domsiekte or pregnancy disease in sheep. I. — A review of the literature. . . . .	17		225
<b>Clark, R., Groenewald, J.W., Graf, H., Bekker, P.M. &amp; Malan, J.R.</b>			
Domsiekte or pregnancy disease in sheep. II. . . . .	17		245
<b>Clark, R., Groenewald, J.W. &amp; Malan, J.R.</b>			
Domsiekte or pregnancy disease in sheep. III. . . . .	18		263
<b>Clark, R., Hoffund, S. &amp; Quin, J.I.</b>			
Studies on the alimentary tract of Merino sheep in South Africa. XV. The influence of different factors on the rate of cellulose digestion (a) in the rumen and (b) in ruminal ingesta as studied <i>in vitro</i> . . . . .	23		395
<b>Clark, R. &amp; Horak, I.G.</b>			
Studies on paramphistomiasis. V. The pathological physiology of the acute disease in sheep. . . . .	30		145
The pathological physiology of <i>Ostertagia circumcincta</i> infestation. . . . .	31		163
The pathological physiology of helminth infestations. II. <i>Oesophagostomum columbianum</i> . . . . .	33		139
<b>Clark, R., Horak, I.G. &amp; Gray, R.S.,</b>			
The pathological physiology of helminth infestations. III. <i>Trichostrongylus colubriformis</i> . . . . .	35		195
<b>Clark, R. &amp; Lombard, W.A.</b>			
Studies on the alimentary tract of the Merino sheep in South Africa. XXII. The effect of the pH of the ruminal contents on ruminal motility. . . . .	25	(1)	79
<b>Clark, R. &amp; Malan, J.R.</b>			
Alterations in the blood sugar and ketone levels caused by dosing acetate, propionate and butyrate into the rumen of the sheep. . . . .	27		101
<b>Clark, R., Ortlepp, R.J., Bosman, S.W., Laurence, G.B., Groenewald, J.W. &amp; Quin, J.I.</b>			
The influence of nutritional level on verminosis in Merino lambs. . . . .	25	(1)	121
<b>Clark, R., Oyaert, W. &amp; Quin, J.I.</b>			
Studies on the alimentary tract of the Merino sheep in South Africa. XIX. The influence of sulphaniilamide on the activity of the ruminal flora of sheep and cattle. . . . .	25	(1)	59

Studies on the alimentary tract of the Merino sheep in South Africa. XXI. The toxicity of urea to sheep under different conditions. . . . .	25	(1)	73
<b>Clark, R. &amp; Procos, J.</b>			
Ovine ketosis. IV. The effect of alloxan on the ketone body and blood sugar levels of Merino wethers. . . . .	30		161
<b>Clark, R. &amp; Quin, J.I.</b>			
Studies on the alimentary tract on Merino sheep in South Africa. XIII. The role of prussic acid in the aetiology of acute bloat. . . . .	20		209-215
The effect of diet and body condition on the heat regulating system of the Merino sheep. . . . .	21		317
Studies on the action of potassium monofluoroacetate (CH <sub>2</sub> FCOO <sub>K</sub> ) [ <i>Dichapetalum cymosum</i> (Hook) Engl.] toxin on animals. . . . .	22		77
Studies on the water requirements of farm animals in South Africa. 1. The effect of intermittent watering on Merino sheep. . . . .	22		335
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. . . . .	22		345
Studies on the alimentary tract of the Merino sheep in South Africa. XXIII. The effect of supplementing poor quality grass hay with mollasses and nitrogenous salts. . . . .	25	(1)	93
<b>Clark, R., Quin, J.I. &amp; Oyaert, W.</b>			
Studies on the alimentary tract of the Merino sheep in South Africa. XVIII. The effect of fasting on the activity of the ruminal flora of sheep and cattle. . . . .	25	(1)	51
<b>Clark, R., Quin, J.I., Sapiro, M.L. &amp; Hoffund, S.</b>			
Studies on the alimentary tract of the Merino sheep in South Africa. XVI. The fate of nitrate in ruminal ingesta as studied <i>in vitro</i> . . . . .	22		357
<b>Clark, R., Schulz, K. &amp; Thomas, A.D.</b>			
A method for preparing sections of bone without decalcification. . . . .	15		295
<b>Clark, R. &amp; Weiss, K.E.</b>			
Studies on the comparative actions of carboxylcholine, physostigmine and neostigmine in different species of domestic animals. . . . .	26		485
<b>Clark, R. &amp; Wessels, J.J.</b>			
The influence of the nature of the diet and of starvation on the concentration curve of sulphanilamide in the blood of sheep after oral dosing. . . . .	25	(4)	75
<b>Cloete, J.H.L.</b>			
Prenatal growth in the Merino sheep. . . . .	13		417
Anatomical studies. No. 65. Two cases of cervical ribs in bovines. . . . .	17		351
<b>Cloete, J.H.L. &amp; Steyn, H.P.</b>			
Anatomical studies. No. 63. An abnormal bovine heart. . . . .	14		481
<b>Coles, J.D.W.A.</b>			
Mortality in fowls due to <i>Aegyptianella pullorum</i> . . . . .	1		9
A new blood parasite of the fowl. . . . .	9		301
Conjunctivitis of the domestic fowl and an associated Rickettsia-like organism in the conjunctival epithelium. . . . .	14		469
Psittacosis in domestic pigeons. . . . .	15		141
<b>Coles, J.D.W.A. &amp; Bedford, G.A.H.</b>			
The transmission of <i>Aegyptianella pullorum</i> Carpano to fowls by means of ticks belonging to the genus <i>Argas</i> . . . . .	1		15

<b>Coles, J.D.W.A. &amp; Bronkhorst, J.J.</b>		
The familial incidence of spontaneous osteopetrosis gallinarum. . . . .	21	79
<b>Collins, Marie &amp; Verster, Anna</b>		
The incidence of hydatidosis in the Republic of South Africa. . . . .	33	49
<b>Cooley, R.A.</b>		
A search for tick parasites in South Africa. . . . .	3	23
<b>Cupps, P.T. &amp; van Rensburg, S.J.</b>		
Alteration of reproductive function in the rat by cortisol acetate. . . . .	34	673
<b>Curson, H.H.</b>		
Studies on sex physiology. XI. The relationship between a corpus luteum verum and the corresponding pregnant horn. . . . .	3	133
Anatomical studies. No. 43. Two cases of missing incisor teeth in the horse. . . . .	3	239
Anatomical studies. No. 44. On two anomalies arising from the embryonic small intestine. . . . .	3	241
Anatomical studies. No. 45. Synotus in a lamb and a pig foetus. . . . .	3	245
Anatomical studies. No. 46. Apus in a pig. . . . .	3	249
Anatomical studies. No. 48. On a case of brachygnathia superior in an ox. . . . .	3	253
Anatomical studies. No. 49. On a deformity of the shoulder joint in a pig. . . . .	3	256
Anatomical studies. No. 52. Two cases of false masculine hermaphroditism in cattle. (Path. No. 5018 and 11,125). . . . .	4	563
Studies in Native Animal Husbandry (12). A Wankonde milk pail. . . . .	5	307
Studies in Native Animal Husbandry (13). A note on the three parent stocks of Africander cattle. . . . .	5	531
Anatomical studies. No. 61. A comparison of two of the so-called Zebus. . . . .	7	371
Anatomical study. No. 62. On the effect of debudding on skull conformation. . . . .	8	487
<b>Curson, H.H. &amp; Belonje, C.E.</b>		
Anatomical studies. No. 41. Prenatal death in the Merino ewe associated with deformity of the cervix uteri. . . . .	3	235
<b>Curson, H.H. &amp; Bisschop, J.H.R.</b>		
Studies in Native Animal Husbandry (7). Makalanga cattle – a representative described. . . . .	1	62
Keratosis of the skin in cattle. . . . .	1	631
Studies in Native Animal Husbandry. An Ambo bull described. . . . .	4	541
Anatomical study. No. 60. Some comments on the hump of African cattle. . . . .	5	621
<b>Curson, H.H. &amp; Epstein, H.</b>		
Anatomical studies. No. 50. A comparison of Hamitic Longhorn, West African Shorthorn, and Afrikander cattle particularly with regard to the skull. . . . .	3	487
<b>Curson, H.H. &amp; Groenewald, J.W.</b>		
Studies in Native Animal Husbandry (6). A note on Ovambo cattle. . . . .	1	601
<b>Curson, H.H., Malan, A.I. &amp; Malan, A.P.</b>		
Studies in sex physiology. No. 19. The influence of age on (a) amount and (b) nature and composition of the allantoic and amniotic fluids of the Merino ewe. . . . .	9	205
<b>Curson, H.H. &amp; Malan, A.P.</b>		
Studies in sex physiology. No. 13. The changing proportions of the Merino lamb from the second to the fifth month of prenatal life. . . . .	4	481
Studies in sex physiology. No. 15. Further observations on the bodyweight and crown rump length of Merino foetuses. . . . .	7	239
Studies in sex physiology. No. 16. Surface area in the foetus of the Merino sheep. . . . .	7	251

Studies in sex physiology. No. 17. The extent of the gravid Merino uterus in relation to the vertebral column in the dorsal recumbent position and the weights of the gravid uterus and foetus in relation to the general body weight. . . . .	7	261
Studies in sex physiology. No. 18. On the growth of the gravid uterus in the Merino. . . . .	8	417
<b>Curson, H.H. &amp; Maré, G.S.</b>		
Studies in sex physiology. No. 12. The situation of the developing foetus and the relationship between the pregnant horn and the corresponding corpus luteum verum. . . . .	3	477
<b>Curson, H.H. &amp; Neitz, W.O.</b>		
The approximate distribution of the genus <i>Glossina</i> . . . . .	9	101
<b>Curson, H.H. &amp; Quinlan, J.B.</b>		
Studies in sex physiology. No. 10. The situation of the developing foetus in the Merino sheep. . . . .	2	657
Studies in sex physiology. No. 14. The situation of the developing foetus in the uterus of the live Merino sheep. . . . .	7	227
<b>Curson, H.H. &amp; Thiel, A.R.</b>		
Anatomical studies. No. 38. On a urethral diverticulum in a kid. . . . .	1	633
Anatomical studies. No. 39. A congenital meningeal lipoma in a sheep. . . . .	1	637
Anatomical studies. No. 40. On two anomalies associated with the 1st branchial arch. . . . .	1	641
<b>Curson, H.H. &amp; Thornton, R.W.</b>		
A contribution to the study of African Native cattle. . . . .	7	613
<b>De Boom, H.P.A. &amp; Jackson, C.</b>		
A contribution to the cytology of the spleen; the Romanovsky-stained bovine spleen smear. . . . .	25	(2) 79
<b>De Boom, H.P.A. &amp; van der Walt, S.J.</b>		
Anatomical studies. No. 42. Polydactylism in a pig. . . . .	3	237
<b>De Bruin, J.H. &amp; Viljoen, N.F.</b>		
Anatomical studies. No. 59. On a false masculine hermaphrodite in an avian hybrid. . . . .	5	351
<b>De Kock, G.v.d.W.</b>		
Studies on the histopathology and pathogenesis of Newcastle disease of fowls in South Africa, with special reference to the lymphoid tissue. (A preliminary report). . . . .	26	599
Studies on the lesions and pathogenesis of East Coast fever ( <i>Theileria parva</i> infection) in cattle, with special reference to the lymphoid tissue. . . . .	27	431
<b>De Kock, G.</b>		
Pathological studies on neoplasms of dogs in South Africa. . . . .	29	35
<b>De Kock, G., du Toit, R.M. &amp; Neitz, W.O.</b>		
Observations on bluetongue in cattle and sheep. . . . .	8	129
<b>De Kock, G.v.d.W. &amp; le Roux, J.M.W.</b>		
Studies on tuberculosis in dogs, and on a case of human tuberculosis contracted from a dog. . . . .	27	227
<b>De Kock, G., Marais, I.P. &amp; Quinlan, J.B.</b>		
The operation of splenectomy in horses, cattle, sheep, goats, pigs, dogs and some South African antelopes. A summary of the results of 98 splenectomies. . . . .	5	273

<b>De Kock, G.v.d.W. &amp; Quin, J.I.</b>		
Bioclimatological studies on white rats in South Africa. No. 1. Skin cancer in rats following continued exposure to sunlight. . . . .	23	349
<b>De Kock, G.v.d.W., Quinlan, J.B. &amp; Bekker, J.G.</b>		
The occurrence and identification of bluetongue in cattle – the so-called pseudo-foot-and-mouth-disease in South Africa. . . . .	2	393
<b>De Kock, G., Robinson, E.M. &amp; Keppel, J.J.G.</b>		
Swine fever in South Africa. . . . .	14	31
<b>De Kock, G., van Heerden, C.J., du Toit, R.M. &amp; Neitz, W.O.</b>		
Bovine theileriasis in South Africa with special reference to <i>Theileria mutans</i> . . . . .	8	9
<b>De Lange, M.</b>		
The influence of delayed breeding on the fertility of beef heifers. . . . .	24	125
The histology of the cytopathogenic changes produced in monolayer epithelial cultures by viruses associated with lumpy skin disease. . . . .	28	245
<b>De Lange, M. &amp; Belonje, C.W.A.</b>		
Anatomical studies. No. 53. Local thickening of the vascular system in a horse. . . . .	4	571
<b>De Lange, M., Quinlan, J.B., Roux, L.L. &amp; van Aswegen, W.G.</b>		
A note on the results of an attempt to fertilize native goat-ewes with sheep rams. . . . .	17	115
Researches into sterility of cows in South Africa. The influence of (i) dry rations, (ii) lack of exercise and (iii) lack of sunlight on reproduction of beef heifers and cows. . . . .	23	269
<b>Dent, Joan, Polson, A., van Rooy, P.J. &amp; Laurence, S.M.</b>		
The stability of neurotropic African horsesickness virus in solutions of different chemical compositions. . . . .	26	197
<b>Deurden, J.E., Maré, G.S. &amp; Bosman, V.</b>		
Influence of regular dipping on the Merino sheep and its fleece . . . . .	1	567
<b>De Villiers, O.T.</b>		
The blood of the ostrich. . . . .	11	419
<b>De Vos, D., Quinlan, J.B. &amp; Myburgh, S.J.</b>		
The hydrogen-ion concentration of the vaginal secretion of the Merino sheep during oestrus, dioestrus, and pregnancy, with some remarks on its influence on sex-determination, and the influence of the vaginal temperature at the time of mating on conception. . . . .	17	105
<b>De Vos, D., Quinlan, J.B. &amp; Steyn, H.P.</b>		
Sex physiology of sheep. Studies on the nature of the onset of oestrus in ewes following a period of sexual inactivity. . . . .	16	243
<b>De Vos, W.H., van Rensburg, S.J. &amp; van Rensburg, S.W.J.</b>		
The significance of the cytoplasmic droplet in the disintegration of semen in Guernsey-bulls. . . . .	33	169
<b>De Vos, W.H. &amp; van Rensburg, S.W.J.</b>		
Ovulatory failure in bovines. . . . .	29	55
The influence of excess fluorine intake in the drinking water on reproductive efficiency in bovines. . . . .	33	185
Observations on artificial insemination of sheep with fresh and stored semen. . . . .	16	263
<b>De Waal, H.L.</b>		
On the constitution of the bitter principle "Geigerin." 1. The isolation of various degradation acids. . . . .	10	395
The <i>Senecio</i> alkaloids. 1. The isolation of isatidine from <i>Senecio retrorsus</i> and <i>Senecio isatideus</i> . . . . .	12	155



Chemical investigations upon <i>Lotononis laxa</i> E. and Z. 1. The isolation of pinitol, a fatty ester and benzaldehyde. . . . .	13	229
The Senecio alkaloids. Part 2. Hydrogenation, hydrolysis and structural results of isatidine. . . . .	14	433
Senecio alkaloids, Part 3. Chemical investigations upon the <i>Senecio</i> species responsible for "bread poisoning". The isolation of senecionine from <i>Senecio ilicifolius</i> , Thunb. and a new alkaloid "rosmarinine" from <i>Senecio rosmarinifolius</i> , Linn. . . . .	15	241
South African Senecio alkaloids, Part 5. Notes on isatidine, rosmarinine and pterophine, and on the structure of their necines and necic acids. . . . .	16	149
<b>De Waal, H.L. &amp; Pretorius, T.P.</b>		
South African Senecio alkaloids, Part 6. The toxic alkaloids of <i>Senecio sceleratus</i> sp. nov. Schweikerdt. . . . .	17	181
<b>De Waal, H.L. &amp; Tiedt, J.</b>		
The Senecio alkaloids, Part 4. Platyphylline, the active principle of <i>Senecio adnatus</i> D.C. . . . .	15	251
<b>De Wet, P.J. &amp; Brown, J.M.M.</b>		
A preliminary report on the occurrence of selenosis in South Africa and its possible role in the aetiology of tribulosis (geeldikkop), enzootic icterus and some other disease conditions encountered in the Karoo areas. . . . .	29	111
Chemical studies on blood and tissues from Angora goats carrying to normal term and from habitually aborting animals. . . . .	30	169
Contributions to the study of blood constituents in domestic animals in South Africa. 4: Normal values for haemoglobin and plasma calcium, inorganic phosphate, magnesium, iron and copper in the blood of Angora goats in the Cape Midlands. . . . .	33	343
A survey of the occurrence of potentially harmful amounts of selenium in the vegetation of the Karoo. . . . .	34	161
<b>Diesel, A.M.</b>		
The campaign against East Coast fever in South Africa. . . . .	23	19
<b>Dorrington, J.E.</b>		
Studies on <i>Filaroides osleri</i> infestation in dogs. . . . .	35	225
<b>Dreyer, J.H.</b>		
A study of hair morphology in the family Bovidae. . . . .	33	379
<b>Du Piessis, J.A., Murray, G.N. &amp; Schutte, D.J.</b>		
The effect of barley, millet ( <i>Yati-pennisetum</i> sp.) and lucerne meal in bacon production. . . . .	1	595
<b>Du Toit, B.A., Groenewald, J.W. &amp; Thomas, A.D.</b>		
Experimental osteodystrophic diseases in goats. . . . .	15	299
<b>Du Toit, B.A. &amp; Smuts, D.B.</b>		
The endogenous nitrogen metabolism of pigs with special reference to the maintenance protein requirement. . . . .	16	169
The nutritive value of animal proteins. - The biological values of fish meal, whale and fish meal, meat meal, meat and bone meal, crayfish meal, and white fish meal. . . . .	16	191
<b>Du Toit, B.A., van der Wath, J.G. &amp; Smuts, D.B.</b>		
A study on the possibility of cystine synthesis in the rumen of sheep together with the effect of cystine supplementation on the nitrogen utilization of lucerne in young stock. . . . .	16	181

<b>Du Toit, P.J.</b>		
A new piroplasm ( <i>Sauroplasma thomasi</i> n.g., n.sp.) of a lizard ( <i>Saurus giganticus</i> , Smith) . . . . .	9	289
<b>Du Toit, P.J. &amp; Alexander, R.A.</b>		
The immunization of horses and mules against horsesickness by means of the neurotropic virus of mice and guinea pigs. . . . .	2	375
<b>Du Toit, P.J., Alexander, R.A. &amp; Neitz, W.O.</b>		
The immunization of mules with formalized horsesickness virus II. . . . .	1	21
The immunization of horses against horsesickness by the use of formalized virus, Part II. . . . .	1	25
<i>Eperythrozoon ovis</i> (sp. nov.) infection in sheep. . . . .	3	263
Horsesickness. Immunization of horses and mules in the field during the season 1934-35, with a description of the technique of preparation of polyvalent mouse neurotropic vaccine. . . . .	7	17
<b>Du Toit, P.J., Groenewald, J.W. &amp; Malan, A.I.</b>		
Studies in mineral metabolism. XXXIII. Iodine in the nutrition of sheep. 2nd Report . . . . .	5	189
Studies in mineral metabolism. XXXV. The rôle of iodine in the nutrition of sheep. . . . .	7	523
Iodine in the nutrition of sheep. Final report . . . . .	14	329
<b>Du Toit, P.J., Louw, J.G. &amp; Malan, A.I.</b>		
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. IV. The influence of season and frequency of cutting on the yield, persistency, and chemical composition of grass species. . . . .	5	215
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. . . . .	14	123
<b>Du Toit, P.J., Malan, A. I. &amp; Groenewald, J.W.</b>		
Studies in mineral metabolism. XXVII. The effect of two different calcium phosphorus ratios upon the growth of calves. . . . .	1	421
Studies in mineral metabolism. XXXI. Minimum mineral requirements of cattle. Second Report. . . . .	2	565
<b>Du Toit, P.J., Malan, A.I., Groenewald, J.W. &amp; Botha, M.L.</b>		
Studies in mineral metabolism. XXXII. The effect of different forms of sulphur in the diet upon the growth and wool production of sheep. . . . .	4	229
Studies in mineral metabolism. XXXIV. The effect of sulphur upon the weight and wool production of sheep when food intake is not limited. . . . .	7	181
<b>Du Toit, P.J., Malan, A.I., Louw, J.G., Holzapfel, C.R. &amp; Roets, G.C.S.</b>		
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. Second Report. . . . .	2	607
A study on the mineral content and feeding value of natural pastures in the Union of South Africa. Third Report . . . . .	5	201
<b>Du Toit, P.J., Malan, A.I. &amp; Theiler, A.</b>		
Studies in mineral metabolism. XXXVII. The influence of variations in the dietary phosphorus and in the Ca: P ratio on the production of rickets in cattle. . . . .	8	375
Studies in mineral metabolism. XXXVIII. Calcium and phosphorus in the nutrition of growing pigs. . . . .	9	127

<b>Du Toit, P.J., Smuts, D.B. &amp; Malan, A.I.</b>		
Studies in mineral metabolism. XXXVI. Fluorine metabolism in rats and bovines. . . . .	8	359
<b>Du Toit, R.M.</b>		
Description of a tick <i>Rhipicephalus glabroscutatum</i> , sp. nov. (Ixodidae) from Karoo areas of the Union of South Africa. . . . .	18	115
The transmission of bluetongue and horsesickness by Culicoides. . . . .	19	7
Trypanosomiasis in Zululand and the control of tsetse flies by chemical means. . . . .	26	317
<b>Du Toit, R.M., Bedford, G.A.H. &amp; Nieschulz, O.</b>		
Investigations into the transmission of bluetongue in sheep during the season 1931-32. . . . .	2	509
Results of a mosquito survey at Onderstepoort during the summer 1931-32 in connection with the transmission of horsesickness. . . . .	3	43
Investigations into the transmission of horsesickness at Onderstepoort during the season 1931-32. . . . .	3	275
<b>Du Toit, R.M. &amp; Fiedler, O.G.H.</b>		
The protection of sheep against blowfly strike. I. An evaluation of certain organic insecticides. . . . .	26	65
Report on the value of Isodrin and Endrin as potential protecting agents against blowfly strike in sheep. . . . .	26	221
An evaluation of the acaricidal properties of Aldrin and Dieldrin for the control of sheep scab. . . . .	26	225
The protection of sheep against blowfly strike. II. The influence of the length of wool at the time of treatment on the duration of protection. . . . .	26	405
The protection of sheep against blowfly strike. III. The effect of different formulations of gamma benzene hexachloride (BHC). . . . .	26	409
The effect of Lindane vapour on stored product insects. . . . .	26	431
A new method of treatment for sheep infested with the larvae of the sheep nasal-fly, <i>Oestrus ovis</i> L. in the Union of South Africa. . . . .	27	67
The protection of sheep against blowfly strike. IV. An evaluation of certain organic phosphorus compounds. . . . .	27	77
<b>Du Toit, R.M. &amp; Goosen, P.J.</b>		
DDT for the protection of sheep against blowfly strike. . . . .	22	285
<b>Du Toit, R.M., Howell, P.G. &amp; Owen, N.C.</b>		
Bluetongue in cattle: typing of viruses isolated in cattle exposed to natural infections. . . . .	32	3
<b>Du Toit, R.M., Kluge, E.B. &amp; Fiedler, O.G.H.</b>		
The influence of the tsetse fly eradication campaign on the breeding activity of Glossinae and their parasites in Zululand. . . . .	26	389
<b>Du Toit, R.M., Neitz, W.O. &amp; de Kock, G.</b>		
Observations on bluetongue in cattle and sheep. . . . .	8	129
<b>Du Toit, R.M., Neitz, W.O., de Kock, G. &amp; van Heerden, C.J.</b>		
Bovine theileriasis in South Africa with special reference to <i>Theileria mutans</i> . . . . .	8	9
<b>Du Toit, R.M. &amp; Nieschulz, O.</b>		
Handling mosquitoes for experimental purposes under South African conditions. . . . .	3	79
Investigations into the transmission of horsesickness at Onderstepoort during the season 1932-33. . . . .	8	213
<b>Du Toit, R.M., Stampa, S. &amp; Fiedler, O.G.H.</b>		
The protection of sheep against blowfly strike. V. The duration of protection of certain insecticides under field conditions. . . . .	27	549

<b>Elder, J.S.</b>			
Thermo-couples for temperature measurements of skin surfaces and in living tissue. . . . .	17		141
<b>Elder, J.S. &amp; Riemerschmid, G.</b>			
The absorptivity for solar radiation of different coloured hairy coats of cattle. . . . .	20		223
<b>Els, H.J., Oellermann, R.A. &amp; Verwoerd, D.W.</b>			
Purification and physico-chemical characterization of Ecbo-virus Type SA-I. . . . .	34		53
<b>Epstein, H.</b>			
Animal husbandry of the Hottentots. . . . .	9		631
<b>Epstein, H. &amp; Curson, H.H.</b>			
Anatomical studies. No. 50. A comparison of Hamitic Longhorn, West African Shorthorn, and Afrikander cattle particularly with regard to the skull. . . . .	3		487
<b>Erasmus, B.J.</b>			
Preliminary observations on the value of the guinea-pig in determining the innocuity and antigenicity of neurotropic attenuated horsesickness strains. . . . .	30		11
<b>Fichardt, J.B., Loubser, J.S., Meyer, B.J., Jansen, C.R. &amp; le Roux, J.S.</b>			
A technique for thoracic duct - portal vein anastomosis in the dog. . . . .	33		239
<b>Fiedler, O.G.H.</b>			
The South African biting midges of the genus <i>Culicoides</i> (Ceratopogonid, Dipt.). . . . .	25	(2)	3
The new synthetic insecticides as dressing for blowfly strike in sheep. . . . .	25	(4)	53
The lethal effect of some insecticides on the BHC - resistant blue tick, <i>Boophilus decoloratus</i> Koch. . . . .	25	(4)	65
A new African tick parasite, <i>Hunterellus theileri</i> sp. n. . . . .	26		61
A new African lousefly, <i>Raymondia hardyi</i> sp. n. (Streblidae, Pupipara). . . . .	26		427
<b>Fiedler, O.G.H. &amp; du Toit, R.</b>			
The protection of sheep against blowfly strike. I. An evaluation of certain organic insecticides. . . . .	26		65
Report on the value of Isodrin and Endrin as potential protecting agents against blowfly strike in sheep. . . . .	26		221
An evaluation of the acaricidal properties of Aldrin and Dieldrin for the control of sheep scab. . . . .	26		225
The protection of sheep against blowfly strike. II. The influence of the length of wool at the time of treatment on the duration of protection. . . . .	26		405
The protection of sheep against blowfly strike. III. The effect of different formulations of gamma benzene hexachloride (BHC). . . . .	26		409
The effect of Lindane vapour on stored product insects. . . . .	26		431
A new method of treatment for sheep infested with the larvae of the sheep nasal-fly, <i>Oestrus ovis</i> L. in the Union of South Africa. . . . .	27		67
The protection of sheep against blowfly strike. IV. An evaluation of certain organic phosphorus compounds. . . . .	27		77
<b>Fiedler, O.G.H., du Toit, R.M. &amp; Kluge, E.B.</b>			
The influence of the tsetse fly eradication campaign on the breeding activity of Glossinae and their parasites in Zululand. . . . .	26		389
<b>Fiedler, O.G.H., du Toit, R.M. &amp; Stampa, S.</b>			
The protection of sheep against blowfly strike. V. The duration of protection of certain insecticides under field conditions. . . . .	27		549
<b>Fiedler, O.G.H. &amp; Kluge, E.B.</b>			
The parasites of tsetse flies in Zululand with special reference to the influence of the hosts upon them. . . . .	26		399

<b>Fiedler, O.G.H. &amp; Stampa, S.</b>		
New species of sucking lice from South African game. . . . .	27	55
Studies on sucking lice of African mammals. Part I. Revision of certain doubtful <i>Linognathus</i> species. . . . .	27	583
<b>Fitzpatrick, R.J. &amp; Hofmeyr, C.F.B.</b>		
The technique of adrenalectomy in the sheep. . . . .	28	257
<b>Flanagan, H.O. &amp; le Roux, J.M.W.</b>		
Bovine cerebral theileriasis. A report on two cases occurring in the Union. . . . .	27	453
<b>Fourie, J.</b>		
Anatomical studies. No. 54. False masculine hermaphroditism in a pig. (Path. No. 12926). . . . .	4	573
<b>Fourie, P.J.J.</b>		
Blood groups of the horse with special reference to their significance in blood transfusion and in horsesickness immunization. . . . .	4	7
A contribution to the study of the pathology of oesophagostomiasis in sheep. . . . .	7	277
The occurrence of congenital porphyrinuria (pink tooth) in cattle in South Africa (Swaziland). . . . .	7	535
Bovine congenital porphyrinuria (pink tooth) inherited as a recessive character. . . . .	13	383
Genetics in the diagnosis of bovine congenital porphyrinuria. . . . .	18	305
Tuberculosis in man, an animal health problem. . . . .	25	(3) 7
Comparative intradermal tests between concentrated P.P.D. and diluted P.P.D. tuberculin in relation to non-specific tuberculin reactors. . . . .	26	207
Does bovine congenital porphyrinuria (pink tooth) produce clinical disturbances in an animal which is protected against the sun? . . . . .	26	231
<b>Fourie, P.J.J. &amp; Rimington, C.</b>		
A further case of congenital porphyrinuria (pink tooth) in a living grade Friesland cow in South Africa (Cedara case). . . . .	10	431
A rapid phase test for distinguishing between carotinoid and bile staining of fat in carcasses. . . . .	10	439
<b>Fourie, P.J.J., Rimington, C. &amp; Roets, G.C.S.</b>		
Quantitative studies upon porphyrin excretion in bovine congenital porphyrinuria. . . . .	10	421
<b>Fourie, P.J.J. &amp; Roets, G.C.S.</b>		
Quantitative studies upon porphyrin excretion in bovine congenital porphyrinuria (pink tooth). No. 2. . . . .	13	369
<b>Gerneke, W.H.</b>		
The embryological development of the pharyngeal region of the sheep. . . . .	30	191
The chromosomes and neutrophil nuclear appendages of <i>Hippopotamus amphibius</i> Linnaeus. . . . .	32	181
Cytogenetic investigations on normal and malformed animals, with special reference to intersexes. . . . .	34	219
<b>Gerneke, W.H. &amp; van Niekerk, C.H.</b>		
Persistence and parthenogenetic cleavage of tubal ova in the mare. . . . .	33	195
<b>Gilchrist, F.M.C. &amp; Procos, J.</b>		
Ovine ketosis. V. Ketone body and blood glucose levels of Merino ewes during the preclinical, clinical and postclinical stages of pregnancy disease. . . . .	33	161
Ovine ketosis. VI. The effect of starvation on the blood levels of ketones and glucose in pregnant ewes from the Karoo and the Highveld regions of South Africa. . . . .	33	305

Goosen, P.J. & du Toit, R.M. DDT for the protection of sheep against blowfly strike. . . . .	22	285
Gordon-Johnstone, J., Henning, M.W. & Rhodes, W.F. Further studies on the antigenic structure of paratyphoid bacilli with special reference to three new species of <i>Salmonella</i> . . . . .	16	103
Gothe, Rainer		
Investigations into sex dimorphism during nuclear interphase of the Argasid tick, <i>Ornithodoros savignyi</i> (Audouin, 1827). . . . .	33	99
The sex chromatin body and its importance for the demonstration of heterochromosomal conditions in <i>Ornithodoros moubata</i> (Murray, 1877). . . . .	33	107
Ticks in the South African Zoological Survey collection. Part XII. The genera <i>Boophilus</i> Curtice, 1891 and <i>Margaropus</i> Karsch, 1879. . . . .	34	81
Investigations into the cold resistance of the eggs and larvae of <i>Boophilus decoloratus</i> (Koch, 1844) <i>Boophilus microplus</i> (Canestrini, 1888) and <i>Margaropus winthemi</i> Karsch, 1879. . . . .	34	109
Ticks in the South African Zoological Survey collection: Part XIII. Gynanders of <i>Boophilus decoloratus</i> (Koch, 1844) and <i>Amblyomma hebraeum</i> (Koch, 1844) . . . . .	34	541
Graf, H.		
Chemical blood studies. I. Comparative studies on blood, "laked" and "unlaked" blood filtrates of animals in health and disease with particular reference to methods and technique employed. . . . .	1	269
Chemical blood studies. V. Comparative studies on "laked" and "unlaked" blood filtrates of bovines in health and during anaplasmosis ( <i>A. marginale</i> ) and piroplasmosis ( <i>P. bigeminum</i> ) infection. . . . .	1	371
Graf, H., Bekker, P.M., Malan, J.R., Clark, R. & Groenewald, J.W. Domsiekte or pregnancy disease in sheep. II. . . . .	17	245
Graf, H., Clark, R. & Groenewald, J.W. Domsiekte or pregnancy disease in sheep. I. - A review of the literature. . . . .	17	225
Graf, H. & Wilken-Jorden, T.J.		
Chemical blood studies. II. The determination of urea in animal filtrates (laked and unlaked). . . . .	1	279
Chemical blood studies. III. Comparative studies on "laked" and "unlaked" blood filtrates of sheep in health and during heartwater ( <i>Rickettsia ruminantium</i> infection) and bluetongue ( <i>catarrhal fever</i> ) . . . . .	1	285
Chemical blood studies. IV. Comparative studies on "laked" and "unlaked" blood filtrates of horses in health and during horsesickness ( <i>pestitis equorum</i> ). . . . .	1	335
Graf, H., Wilken-Jorden, T.J. & Hambrock, H.A.		
Researches into dips and dipping. A: Lime-sulphur dips. Paper VI. A survey of the behaviour of lime-sulphur dips under field conditions. . . . .	2	243
Gray, R., Brown, J.M.M. & van Rensburg, S.J.		
The urinary excretion of 5 $\beta$ -Pregnane-3 $\alpha$ :20 $\alpha$ -diol and gestational failure in Angora goats. . . . .	30	179
Gray, R.S. & Clark, R.		
The excretion of biuret in the urine of sheep fed biuret. . . . .	31	91
Gray, R.S., Horak, I.G. & Clark, R.		
The pathological physiology of helminth infestations. III. <i>Trichostrongylus colubriformis</i> . . . . .	35	195

<b>Green, W.J.B.</b>		
Anatomical studies No. 58. <i>Diprosopus tetrophthalmus</i> in a bull calf. . . . .	5	347
<b>Greenfield, E.C. &amp; Henning, M.W.</b>		
<i>Salmonella bovis-morbificans</i> (Basenau) from an outbreak of food poisoning in the Cape Province. . . . .	8	351
<b>Groenewald, J.W.</b>		
The influence of rations low in certain minerals on the composition of the blood and milk of cows and on the blood of their progeny. . . . .	4	93
Anatomical studies. No. 51. Hypermastia and hyperthelia in cattle. . . . .	4	559
Osteofibrosis in equines. . . . .	9	601
<b>Groenewald, J.W., Botha, M.L., du Toit, P.J. &amp; Malan, A.I.</b>		
Studies in mineral metabolism. XXXIV. The effect of sulphur upon the weight and wool production of sheep when food intake is not limited. . . . .	7	181
<b>Groenewald, J.W., Botha, M.L., Malan, A.I. &amp; du Toit, P.J.</b>		
Studies in mineral metabolism. XXXII. The effect of different forms of sulphur in the diet upon the growth and wool production of sheep. . . . .	4	229
<b>Groenewald, J.W. &amp; Curson, H.H.</b>		
Studies in Native animal husbandry (6). A note on Ovambo cattle. . . . .	1	601
<b>Groenewald, J.W., du Toit, P.J. &amp; Malan, A.I.</b>		
Studies in mineral metabolism. XXVII. The effect of two different calcium phosphorus ratios upon the growth of calves. . . . .	1	421
<b>Groenewald, J.W., Graf, H., Bekker, P.M., Malan, J.R. &amp; Clark, R.</b>		
Domsiekte or pregnancy disease in sheep. II. . . . .	17	245
<b>Groenewald, J.W., Graf, H. &amp; Clark, R.</b>		
Domsiekte or pregnancy disease in sheep. I. A review of the literature. . . . .	17	225
<b>Groenewald, J.W., Malan, A.I. &amp; du Toit, P.J.</b>		
Studies in mineral metabolism. XXXI. Minimum mineral requirements of cattle. Second report. . . . .	2	565
Studies in mineral metabolism. XXXIII. Iodine in the nutrition of sheep. (2nd Report). . . . .	5	189
Studies in mineral metabolism. XXXV. The role of iodine in the nutrition of sheep. . . . .	7	523
Iodine in the nutrition of sheep. Final Report. . . . .	14	329
<b>Groenewald, J.W., Malan, J.R. &amp; Clark, R.</b>		
Domsiekte or pregnancy disease in sheep. III. . . . .	18	263
<b>Groenewald, J.W. &amp; Myburgh, S.J.</b>		
The influence of enrichment of maize meal on the growth of rats. . . . .	26	235
<b>Groenewald, J.W., Myburgh, S.J., Laurence, G.B. &amp; Louw, J.G.</b>		
Digestibility of lucerne hay with special reference to experimental technique in digestion trials. . . . .	24	67
<b>Groenewald, J.W., Myburgh, S.J. &amp; Louw, J.G.</b>		
The influence of processing on the efficiency of proteins. . . . .	25	(4) 93
Digestibility of lucerne hay with special reference to experimental technique in digestion trials. Second Report. . . . .	25	(4) 105
<b>Groenewald, J.W., Quin, J.I., Clark, R., Ortlepp, R.J., Bosman, S.W. &amp; Laurence, G.B.</b>		
The influence of nutritional level on verminosis in Merino lambs. . . . .	25	(1) 121
<b>Groenewald, J.W., Quinlan, J.B. &amp; Wilson-Jones, G.</b>		
The Onderstepoort small animal colony. . . . .	26	149

<b>Groenewald, J.W., Reinach, N. &amp; Louw, J.G.</b>			
The effect of body stores and of method of supplementation on the efficiency of calcium and phosphorus utilization by sheep. . . . .	25	(4)	85
<b>Groenewald, J.W., Thomas, A.D. &amp; du Toit, B.A.</b>			
Experimental osteodystrophic diseases in goats. . . . .	15		299
<b>Grosskopf, J.F.W.</b>			
Some factors affecting the secretion of abomasal juice in young dairy calves. . . . .	28		133
An improved technique for measuring the <i>in vivo</i> rate of cellulose digestion in the rumen. . . . .	31		69
Studies on salivary lipase in young ruminants. . . . .	32		153
<b>Grosskopf, J.F.W. &amp; Briel, R.J.J.</b>			
The effect of high levels of sodium bicarbonate in the drinking water of sheep on rumen function . . . . .	33		315
<b>Haig, D.A.</b>			
Preliminary note on the cultivation of Green's distemperoid virus in fertile hen eggs. . . . .	23		149
Fowl-pox vaccination in South Africa with egg-propagated fowl and pigeon-pox viruses. . . . .	25	(1)	17
Canine distemper. Immunization with avianised virus. . . . .	27		19
<b>Haig, D.A. &amp; Adelaar, T.F.</b>			
A case of swine erysipelas in the Union of South Africa . . . . .	20		57
<b>Haig, D.A., Adelaar, T.F. &amp; Alexander, R.A.</b>			
The attenuation of bluetongue virus by serial passage through fertile eggs. . . . .	21		231
<b>Haig, D.A. &amp; Alexander, R.A.</b>			
The use of egg attenuated bluetongue virus in the production of a polyvalent vaccine for sheep. A. Propagation of the virus in sheep. . . . .	25	(1)	3
<b>Haig, D.A., Alexander, R.A. &amp; McIntosh, B.M.</b>			
Isolation in mice and embryonated hen's eggs of a virus associated with vaginitis in cattle. . . . .	26		479
<b>Haig, D.A., Alexander, R.A. &amp; Weiss, K.E.</b>			
Aureomycin in the treatment of heartwater. . . . .	25	(4)	41
Wesselsbron virus - a virus not previously described, associated with abortion in domestic animals . . . . .	27		183
<b>Haig, D.A. &amp; Henning, M.W.</b>			
Serological variants of <i>Salmonella typhimurium</i> isolated from South African animals. . . . .	13		293
<b>Haig, D. A. &amp; Lund, A.S.</b>			
Transmission of the South African strain of dourine to laboratory animals. . . . .	23		59
<b>Haig, D.A., McKercher, D.G. &amp; Alexander, R.A.</b>			
The cytopathogenic action of bluetongue virus on tissue cultures and its application to the detection of antibodies in the serum of sheep. . . . .	27		171
<b>Haig, D.A., McKercher, D.G. &amp; Shone, D.K.</b>			
The use of tissue culture propagated bluetongue virus for complement fixation studies on sheep sera. . . . .	27		179
<b>Hambrock, H.A. &amp; Wilken-Jorden, T.J.</b>			
Researches into dips and dipping. D. Effect of dips on wool. Paper 1. The effect of arsenical dips on wool. . . . .	2		271
<b>Hambrock, H.A., Wilken-Jorden, T.J. &amp; Graf, H.</b>			
Researches into dips and dipping. A. Lime-sulphur dips. Paper VI. A survey of the behaviour of lime-sulphur dips under field conditions. . . . .	2		243



<b>Hamersma, P.J.</b>		
Chemical blood studies. VI. A serial study of a 12 months' period of some organic constituents in "laked" and "unlaked" blood filtrates of healthy sheep (Merino) of various ages. . . . .	2	153
Chemical blood studies. VII. A serial study over a 12 months' period of some organic and inorganic constituents in „laked" and „unlaked" blood filtrates of healthy bovines between 15 and 27 months old. . . . .	8	443
<b>Harris, R.H.T. &amp; Whitnall, A.B.M.</b>		
The vegetable diet theory of <i>Glossina pallidipes</i> . . . . .	2	101
<b>Henning, M.W.</b>		
The antigenic structure of <i>Salmonella</i> obtained from domestic animals and birds in South Africa. . . . .	13	79
On the etiology of epizootic or infectious equine abortion. . . . .	21	17
Calf paratyphoid. I. - A general discussion of the disease in relation to animals and man. . . . .	26	3
Calf paratyphoid. II. - Artificial immunization. . . . .	26	25
Calf paratyphoid, III. - The transmission of antibodies to newly born calves. . . . .	26	45
<b>Henning, M.W. &amp; Brown, M.H.V.</b>		
Pasteurellosis. An outbreak amongst sheep. . . . .	7	113
<b>Henning, M.W. &amp; Greenfield, E.C.</b>		
<i>Salmonella bovis-morbificans</i> (Basenau) from an outbreak of food-poisoning in the Cape Province. . . . .	8	351
<b>Henning, M.W. &amp; Haig, D.</b>		
Serological variants of <i>Salmonella typhimurium</i> isolated from South African animals. . . . .	13	293
<b>Henning, M.W., Rhodes, W.F. &amp; Gordon-Johnstone, J.</b>		
Further studies on the antigenic structure of paratyphoid bacilli with special reference to three new species of <i>Salmonella</i> . . . . .	16	103
<b>Henrici, M.</b>		
Some physiological aspects of the genus <i>Tribulus</i> . . . . .	10	367
The carbohydrate content of lucerne under different meteorological and physiological conditions. . . . .	22	373
Comparative study of the content of starch and sugars of <i>Tribulus terrestris</i> , lucerne, some gramineae and <i>Pentzia incana</i> under different meteorological, edaphic and physiological conditions. . . . .	25	(3) 45
<b>Hepburn, G.A.</b>		
A simple insect cage-olfactometer. . . . .	18	7
Sheep blowfly research. 1. - A survey of maggot collections from live sheep and a note on the trapping of blowflies. . . . .	18	13
Sheep blowfly research. V. - Carcasses as sources of blowflies. . . . .	18	59
<b>Hepburn, G.A. &amp; Nolte, M.C.A.</b>		
Sheep blowfly research. III. - Studies on the olfactory reactions of sheep blowflies. . . . .	18	27
Sheep blowfly research. IV. - Field tests with chemically treated carcasses. . . . .	18	49
<b>Hirzel, R.</b>		
Factors affecting quality in mutton and beef with special reference to the proportions of muscle, fat and bone. . . . .	12	379
<b>Hoflund, S., Clark, R., Quin, J.I. &amp; Sapiro, M.L.</b>		
Studies on the alimentary tract of the Merino sheep in South Africa. XVI. The fate of nitrate in ruminal ingesta as studied <i>in vitro</i> . . . . .	22	357

<b>Hoflund, S., Quin, J.I. &amp; Clark, R.</b>		
Studies on the alimentary tract of the Merino sheep in South Africa. XV. The influence of different factors on the rate of cellulose digestion (a) in the rumen and (b) in ruminal ingesta as studied <i>in vitro</i> . . . . .	23	395
<b>Hofmeyr, C.F.B.</b>		
Anatomical studies. No. 57. An abnormally placed vulva in a heifer. . . . .	4	579
<b>Hofmeyr, C.F.B. &amp; Fitzpatrick, R.J.</b>		
The technique of adrenalectomy in the sheep. . . . .	28	257
<b>Holemans, K.C., Meij, H.S., Meyer, B.J. &amp; Loots, J.M.</b>		
The use of the South African frog ( <i>Xenopus laevis</i> ) in the study of spinal reflex physiology. . . . .	34	619
<b>Holzapel, C.R.</b>		
Studies in mineral metabolism. XXVII. Modifications of the methods used at Onderstepoort for the determination of (A) magnesium and calcium, (B) potassium in grass-extracts. . . . .	2	115
<b>Holzapel, C.R., Roets, G.C.S., du Toit, P.J., Malan, A.I. &amp; Louw, J.G.</b>		
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. Second report. . . . .	2	607
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. Third report. . . . .	5	201
<b>Horak, I.G.</b>		
Studies on paramphistomiasis. III. A method of testing the viability of paramphistome metacercariae. . . . .	29	197
Host-parasite relationships of <i>Paramphistomum microbothrium</i> Fiscoeder, 1901, in experimentally infested ruminants, with particular reference to sheep. . . . .	34	451
<b>Horak, I.G. &amp; Clark, R.</b>		
Studies on paramphistomiasis. V. The pathological physiology of the acute disease in sheep. . . . .	30	145
The pathological physiology of <i>Ostertagia circumcincta</i> infestation. . . . .	31	163
The pathological physiology of helminth infestations. II. <i>Oesophagostomum columbianum</i> . . . . .	33	139
<b>Horak, I.G., Clark, R. &amp; Botha, J.C.</b>		
The pathological physiology of helminth infestations. I. <i>Ostertagia circumcincta</i> . . . . .	32	147
<b>Horak, I.G., Clark, R. &amp; Gray, R.S.</b>		
The pathological physiology of helminth infestations. III. <i>Trichostrongylus colubriformis</i> . . . . .	35	195
<b>Horak, I.G., Reinecke, R.K. &amp; Snijders, A.J.</b>		
A modification of standard procedures for evaluating the relative efficacy of anthelmintics. . . . .	29	241
<b>Howell, C.J.</b>		
Studies on karyotypes of South African Argasidae. 1. <i>Ornithodoros savignyi</i> (Audouin) 1827 . . . . .	33	93
<b>Howell, P.G.</b>		
A preliminary antigenic classification of strains of bluetongue virus. . . . .	3	357
Isolation and identification of further antigenic types of African horsesickness virus. . . . .	29	139

Observations on the occurrence of African horsesickness amongst immunised horses. . . . .	30		3
Multiplication of an attenuated RVII strain (Type SAT1 <sub>2</sub> ) of foot-and-mouth disease virus in sheep. . . . .	33		15
<b>Howell, P.G., Owen, N.C. &amp; du Toit, R.M.</b>			
Bluetongue in cattle: typing of viruses isolated in cattle exposed to natural infections . . . . .	32		3
<b>Howell, P.G., Verwoerd, D.W. &amp; Oellermann, R.A.</b>			
Plaque formation by bluetongue virus. . . . .	34		317
<b>Jackson, C.</b>			
The incidence and pathology of tumours of domesticated animals in South Africa. A study of the Onderstepoort collection of neoplasms with special reference to their histopathology. . . . .	6		11
Automatic control of fixation time of histological specimens. . . . .	10		237
An improved method of staining lipides: acetic-carbol-sudan. . . . .	19		169
The cytology of the contagious (venereal) tumour of the dog. . . . .	20		97
Studies in comparative neuropathology. I. Gliomas of the domestic fowl: their pathology with special reference to histogenesis and pathogenesis; and their relationship to other diseases. . . . .	26		501
<b>Jackson, C. &amp; de Boom, H.P.A.</b>			
A contribution to the cytology of the spleen: the Romanowsky-stained bovine spleen smear. . . . .	25	(2)	79
<b>Jackson, C. &amp; Viljoen, W.C.</b>			
Anatomical studies. No. 64. Anomalous course of the left phrenic nerve in a donkey. . . . .	14		489
<b>Jansen, B.C.</b>			
<i>Babesia thomasi</i> sp. nov., an intra-erythrocytic parasite of the Cape dassie [ <i>Procavia capensis</i> (Pallas)] . . . . .	25	(3)	3
The occurrence of some hitherto undescribed <i>Leucocytozoon</i> and <i>Haemoproteus</i> species in South African birds. . . . .	25	(4)	3
The occurrence of <i>Eperythrozoon parvum</i> Splitter 1950 in South African swine. . . . .	25	(4)	5
The parasitocidal effect of aureomycin (Lederle) on <i>Babesia equi</i> (Laveran 1899) in splenectomised donkeys. . . . .	26		175
The beta toxin of <i>Clostridium welchii</i> Type B, Wilsdon, in relation to the production of a vaccine against lamb dysentery. . . . .	28		495
The production of a basic immunity against pulpy kidney disease . . . . .	34		65
The duration of immunity to pulpy kidney disease of sheep. . . . .	34		333
<b>Jansen, B.C. &amp; Neitz, W.O.</b>			
The experimental transmission of <i>Theileria ovis</i> by <i>Rhipicephalus evertsi</i> . . . . .	27		3
A discussion on the classification of the Theileridae. . . . .	27		7
<b>Jansen, C.R., Loubser, J.S., Meyer, B.J., Fichardt, J.B. &amp; le Roux, J.S.</b>			
A technique for thoracic duct - portal vein anastomosis in the dog. . . . .	33		239
<b>Kaschula, V.R.</b>			
The domestic pigeon as a possible carrier of Newcastle disease. . . . .	25	(4)	25
Newcastle disease vaccination: the use of live virus after inactivated vaccine. . . . .	25	(4)	29
<b>Kaschula, V.R. &amp; Stephan, S.G.R.</b>			
Mites, hitherto unrecorded in South Africa, collected in Natal from fowls, pigeons, turkeys, guinea-fowls, wild birds and rabbits. . . . .	22		51

<b>Kellerman, J.H.</b>		
A well-balanced ration for stock rats. . . . .	2	649
Sulphur metabolism. I. The absorption and excretion of flowers of sulphur. . . . .	4	199
Further observations on the cystine deficiency of lucerne proteins and the effect of heat and incubation upon their growth-promoting value. . . . .	4	437
Sulphur metabolism. II. The distribution of sulphur in the tissues of rats fed rations with and without the addition of elementary sulphur. . . . .	7	189
Sulphur metabolism. III. The effect of flowers of sulphur on the growth of young rats fed on an otherwise well-balanced ration. . . . .	7	199
Sulphur metabolism. IV. The oxidation and reduction of elementary sulphur by animal tissues <i>in vitro</i> . . . . .	7	209
Sulphur metabolism. V. The effect of elementary sulphur on fertility, reproduction and lactation in the white rat. . . . .	10	221
Sulphur metabolism. VI. The effect of various levels of fats and proteins in the ration on the toxicity of elementary sulphur. . . . .	11	107
Sulphur metabolism. VII. The effect of the acid-base balance of the ration on the toxicity of elementary sulphur. . . . .	11	113
Sulphur metabolism. VIII. The effect of incomplete rations on the toxicity of elementary sulphur. . . . .	11	121
The effect of intermittent starvation on calcification, food utilization and tissue composition. . . . .	12	321
Change in body weight and food consumption of rats on repeated feeding of a deficiency diet. . . . .	13	201
<b>Kellerman, J.H., Schulz, K.C.A. &amp; Thomas, A.D.</b>		
Paresis in pigs in relation to nutritional deficiencies. . . . .	18	225
<b>Keppel, J.J.G., de Kock, G. &amp; Robinson, E.M.</b>		
Swine fever in South Africa. . . . .	14	31
<b>Kluge, E.B. &amp; Fiedler, O.G.H.</b>		
The parasites of tsetse flies in Zululand with special reference to the influence of the hosts upon them. . . . .	26	399
<b>Kluge, E.B., Fiedler, O.G.H. &amp; du Toit, R.M.</b>		
The influence of the tsetse fly eradication campaign on the breeding activity of Glossinae and their parasites in Zululand. . . . .	26	389
<b>Kruger, S.P., van Niekerk, J.W. &amp; Mc Cully, R.M.</b>		
Observations on the pathology of bilharziasis and other parasitic infestations of <i>Hippopotamus amphibius</i> Linnaeus, 1758, from the Kruger National Park. . . . .	34	563
<b>Lambrechts, H.B.</b>		
The microscopic vascular pattern of the ruminal wall in <i>Ovis aries</i> . . . . .	33	233
<b>Laurence, G.B., Bisschop, J.H.R., Malan, A.I. &amp; Steyn, H.P.</b>		
On the feeding of a phosphorus supplement to mother-reared calves prior to weaning under open range conditions in Bechuanaland. . . . .	13	321
<b>Laurence, G.B., Groenewald, J.W., Quin, J.I., Clark, R., Ortlepp, R.J. &amp; Bosman, S.W.</b>		
The influence of nutritional level on verminosis in Merino lambs. . . . .	25 (1)	121
<b>Laurence, G.B., Louw, J.G., Groenewald, J.W. &amp; Myburgh, S.J.</b>		
Digestibility of lucerne hay with special reference to experimental technique in digestion trials. . . . .	24	67
<b>Lawrence, S.M., Dent, Joan, Polson, A. &amp; van Rooy, P.J.</b>		
The stability of neurotropic African horsesickness virus in solutions of different chemical compositions. . . . .	26	197

<b>Lecatsas, G.</b>		
Electron microscopic study of the formation of bluetongue virus. . . . .	35	139
Electron microscopic studies on reovirus Type 1 in BHK 21 cells . . . . .	35	151
<b>Leemann, A.C.</b>		
Hydrocyanic acid in grasses. . . . .	5	97
A short summary on our botanical knowledge of <i>Lolium temulentum</i> L. . . . .	5	213
<b>Le Roux, J.M.W.</b>		
The histopathology of Wesselsbron disease in sheep. . . . .	28	237
<b>Le Roux, J.M.W. &amp; de Kock, G.v.d.W.</b>		
Studies on tuberculosis in dogs, and on a case of human tuberculosis contracted from a dog. . . . .	27	227
<b>Le Roux, J.M.W. &amp; Flanagan, H.O.</b>		
Bovine cerebral theileriasis. A report on two cases occurring in the Union. . . . .	27	453
<b>Le Roux, J.S., Loubser, J.S., Meyer, B.J., Jansen, C.R. &amp; Fichardt, J.B.</b>		
A technique for thoracic duct-portal vein anastomosis in the dog. . . . .	33	239
<b>Le Roux, P.L. &amp; Mitchell, D.T.</b>		
Further investigations into immunization of cattle against rinderpest. . . . .	21	7
<b>Lombard, W.A. &amp; Clark, R.</b>		
Studies on the alimentary tract of the Merino sheep in South Africa. XXII. The effect of the pH of the ruminal contents on ruminal motility. . . . .	25	(1) 79
<b>Loots, J.M., Holemans, K.C., Meij, H.S. &amp; Meyer, B.J.</b>		
The use of the South African frog ( <i>Xenopus laevis</i> ) in the study of spinal reflex physiology. . . . .	34	619
<b>Loubser, J.S., Meyer, B.J., Jansen, C.R., Fichardt, J.B. &amp; Le Roux, J.S.</b>		
A technique for thoracic duct-portal vein anastomosis in the dog. . . . .	33	239
<b>Louw, J.G.</b>		
The colorimetric determination of sodium in vegetation. . . . .	1	425
A routine method for the determination of soluble ash in plant material. . . . .	3	191
The influence of frequency of cutting on yield, chemical composition, digestibility and nutritive value of some grass species. . . . .	11	163
The relative digestibility of the constituents of the carbohydrate complex of grasses at successive stages of growth with reference to their partition into crude fibre and nitrogen-free extract according to the standard method for feeding stuff analysis. . . . .	17	165
Grass hay as a maintenance ration for sheep during winter. . . . .	18	191
The nutritive value of South African feeding stuffs. II. Digestible nutrients and metabolizable energy of lucerne hay at different planes of intake for sheep. . . . .	20	85
<b>Louw, J.G., Bodenstein, S.I. &amp; Quin, J.I.</b>		
The digestibility for sheep of the cellulose in a poor veld hay as affected by supplements of a mixture of concentrates and green feed. . . . .	23	239
<b>Louw, J.G., Groenewald, J.W. &amp; Myburgh, S.J.</b>		
The influence of processing on the efficiency of proteins. . . . .	25	(4) 93
Digestibility of lucerne hay with special reference to experimental technique in digestion trials (second report). . . . .	25	(4) 105
<b>Louw, J.G., Groenewald, J.W., Myburgh, S.J. &amp; Laurence, G.B.</b>		
Digestibility of lucerne hay with special reference to experimental technique in digestion trials. . . . .	24	67
<b>Louw, J.G., Groenewald, J.W. &amp; Reinach, N.</b>		
The effect of body stores and of method of supplementation on the efficiency of calcium and phosphorus utilization by sheep. . . . .	25	(4) 85

<b>Louw, J.G., Holzapfel, C.R., Roets, G.C.S., du Toit, P.J. &amp; Malan, A.I.</b>		
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. (Second report). . . . .	2	607
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. (Third report). . . . .	5	201
<b>Louw, J.G., Malan, A.I. &amp; du Toit, P.J.</b>		
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. IV. The influence of season and frequency of cutting on the yield, persistency and chemical composition of grass species. . . . .	5	215
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. . . . .	14	123
<b>Louw, J.G. &amp; Reinach, N.</b>		
The availability of the calcium and phosphorus in "Electrofos" for bone formation. 1. In the rat. . . . .	24	87
The utilization of phosphorus from different sources by the rat. . . . .	25	(4) 99
The utilization of the phosphorus from an aluminium-iron rock phosphate. I. By the rat . . . . .	27	611
The utilization of the phosphorus from an aluminium-iron rock phosphate. II. By sheep. . . . .	27	617
<b>Louw, J.G. &amp; Truter, G.J.</b>		
The nutritive value of South African feeding stuffs. III. Digestive nutrients and metabolizable energy content of a mixture (1:1) of lucerne hay and yellow maize at different planes of intake for sheep. . . . .	24	57
Defluorination of aqueous solutions of superphosphate for use in animal nutrition. . . . .	25	(3) 93
<b>Louw, J.G. &amp; van der Wath, J.G.</b>		
The influence of varying maize supplements on the digestibility of the cellulose in a poor veld hay in relation to the bacterial population of the rumen of sheep with a note on the nitrogen metabolism. . . . .	18	177
<b>Louw, P.G.J.</b>		
Lantanin, the active principle of <i>Lantana camara</i> L. Part I. Isolation and preliminary results on the determination of its constitution. . . . .	18	197
The cardiac glycoside from <i>Urginea rubella</i> Baker. Part I. Isolation and properties of rubellin. . . . .	22	313
Lantadene A. The active principle of <i>Lantana camara</i> L. Part III. Pyrolytic distillation of lantadene A. . . . .	22	321
Lantadene A. The active principle of <i>Lantana camara</i> L. Part IV. Dehydrogenation of lantadene A and lantadene B. . . . .	22	329
Lantadene A. The active principle of <i>Lantana camara</i> L. Part II. Isolation of lantadene B, and the oxygen functions of lantadene A and lantadene B. . .	23	233
On the availability of phosphorus in bone meal, bone meal supplemented with red oxide or iron and bone ash to white rats. . . . .	23	261
A note on the alkaloid of <i>Crotalaria damarensis</i> . . . . .	25	(4) 111
Transvaalin, a cardiac glycoside isolated from <i>Urginea burkei</i> , Bkr. (Transvaal slangkop.) . . . . .	25	(4) 123
The cardiac glycoside from <i>Urginea rubella</i> Baker. Part II. Hydrolysis of rubellin and pro-rubellin. . . . .	26	141

<b>Lund, A.S. &amp; Haig, D.A.</b>		
Transmission of the South African strain of dourine to laboratory animals. . . . .	23	59-62
<b>Malan, A.I., du Toit, P.J. &amp; Groenewald, J.W.</b>		
Studies in mineral metabolism. XXXIII. Iodine in the nutrition of sheep (Second Report). . . . .	5	189
Studies in mineral metabolism. XXXV. The rôle of iodine in the nutrition of sheep. . . . .	7	623
Iodine in the nutrition of sheep (Final Report). . . . .	14	329
<b>Malan, A.I., du Toit, P.J. &amp; Louw, J.G.</b>		
Studies of the mineral content and feeding value of natural pastures in the Union of South Africa. IV. The influence of season and frequency of cutting on the yield, persistency, and chemical composition of grass species. . . . .	5	215
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. . . . .	14	123
<b>Malan, A.I., du Toit, P.J. &amp; Smuts, D.B.</b>		
Studies in mineral metabolism. XXXVI. Fluorine metabolism in rats and bovines. . . . .	8	359
<b>Malan, A.I., Groenewald, J.W., Botha, M.L. &amp; du Toit, P.J.</b>		
Studies in mineral metabolism. XXXII. The effect of different forms of sulphur in the diet upon the growth and wool production of sheep. . . . .	4	229
Studies in mineral metabolism. XXXIV. The effect of sulphur upon the weight and wool production of sheep when food intake is not limited. . . . .	7	181
<b>Malan, A.I., Groenewald, J.W. &amp; du Toit, P.J.</b>		
Studies in mineral metabolism. XXVII. The effect of two different calcium phosphorus ratios upon the growth of calves. . . . .	1	421
Studies in mineral metabolism. XXXI. Minimum mineral requirements of cattle. Second Report. . . . .	2	565
<b>Malan, A.I., Louw, J.G., Holzapfel, C.R., Roets, G.C.S. &amp; du Toit, P.J.</b>		
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. (Second report). . . . .	2	607
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. (Third report). . . . .	5	201
<b>Malan, A.I., Malan, A.P. &amp; Curson, H.H.</b>		
Studies in sex physiology. No. 19. The influence of age on (a) amount and (b) nature and composition of the allantoic and amniotic fluids of the Merino ewe. . . . .	9	205
<b>Malan, A.I. &amp; Smuts, D.B.</b>		
Protein studies. Plant protein. 2. The biological values of lucerne meal, sesame meal, peanut meal, copra meal, cottonseed meal and oatmeal. . . . .	10	207
<b>Malan, A.I., Steyn, H.P., Laurence, G.B. &amp; Bisschop, J.H.R.</b>		
On the feeding of a phosphorus supplement to motherreared calves, prior to weaning under open range conditions in Bechuanaland. . . . .	13	321
<b>Malan, A.I., Theiler, A. &amp; du Toit, P.J.</b>		
Studies in mineral metabolism. XXXVII. The influence of variations in the dietary phosphorus and in the Ca:P ratio on the production of rickets in cattle. . . . .	8	375

Studies in mineral metabolism. XXXVIII. Calcium and phosphorus in the nutrition of growing pigs. . . . .	9	127
<b>Malan, A.P.</b>		
Wool studies. II. The frequency distribution of Merino wool fibre thickness measurements. . . . .	9	259
<b>Malan, A.P., Carter, H.B. &amp; van Wyk, C.M.</b>		
Wool studies. III. The uniformity of a series of fibre thickness measurements on a small sample of medium Merino wool. . . . .	10	445
<b>Malan, A.P. &amp; Curson, H.H.</b>		
Studies in sex physiology. No. 13 – The changing proportions of the Merino lamb from the second to the fifth month of prenatal life. . . . .	4	481
Studies in sex physiology. No. 15. Further observations on the body weight and crown rump length of Merino foetuses. . . . .	7	239
Studies in sex physiology, No. 16. Surface area in the foetus of the Merino sheep. . . . .	7	251
Studies in sex physiology. No. 17. The extent of the gravid Merino uterus in relation to the vertebral column in the dorsal recumbent position and the weights of the gravid uterus and foetus in relation to the general body weight. . . . .	7	261
Studies in sex physiology. No. 18. On the growth of the gravid uterus in the Merino. . . . .	8	417
<b>Malan, A.P., Curson, H.H. &amp; Malan, A.I.</b>		
Studies in sex physiology. No. 19. The influence of age on (a) amount and (b) nature and composition of the allantoic and amniotic fluids of the Merino ewe. . . . .	9	205
<b>Malan, A.P., van Wyk, C.M. &amp; Botha, M.L.</b>		
Wool studies. I. The variation and interdependence of Merino fleece and fibre characteristics. . . . .	5	519
<b>Malan, J.R.</b>		
Some helminths of South African lizards. . . . .	12	21
Chemical blood studies. IX. The fractional determination of the acetone bodies in blood and urine of sheep suffering from domsiekte. . . . .	18	311
<b>Malan, J.R. &amp; Clark, R.</b>		
Alterations in the blood sugar and ketone levels caused by dosing acetate, propionate and butyrate into the rumen of the sheep. . . . .	27	101
<b>Malan, J.R., Clark, R. &amp; Groenewald, J.W.</b>		
Domsiekte or pregnancy disease in sheep. III. . . . .	18	263
<b>Malan, J.R., Clark, R., Groenewald, J.W., Graf, H. &amp; Bekker, P.M.</b>		
Domsiekte or pregnancy disease in sheep. . . . .	17	245
<b>Malherbe, W.D. &amp; Polson, A.</b>		
Changes in the electrophoretic pattern of sera of dogs suffering from various diseases. . . . .	25	(4) 13
<b>Mansvelt, P.R. &amp; Mitchell, D.T.</b>		
Investigation into immunization of cattle against rinderpest in Tanganyika Territory. . . . .	22	231
<b>Marais, E.J., Polson, A. &amp; van Rooy, P.J.</b>		
A photometric method for quantitative paper partition chromatography of amino acids. . . . .	25	(1) 31



<b>Marais, I.P. &amp; Mönnig, H.O.</b>		
The administration of anthelmintics to horses in bran. . . . .	1	69
<b>Marais, I.P., Quinlan, J.B. &amp; de Kock, G.v.d.W.</b>		
The operation of splenectomy in horses, cattle, sheep, goats, pigs, dogs and some South African antelopes. A summary of the results of 98 splenectomies. . . . .	5	273
<b>Marais, I.P. &amp; Sutton, G.D.</b>		
Anatomical studies. No. 47. Pervious urachus in a bull calf. . . . .	3	251
<b>Marais, J.S.C.</b>		
The isolation of the toxic principle "Potassium cymonate" from "Gifblaar" <i>Dichapetalum cymosum</i> (Hook) Engl. . . . .	18	203
Dicrotaline. The toxic alkaloid from <i>Crotalaria dura</i> (Wood and Evans) and <i>Crotalaria globifera</i> (E. Mey). . . . .	20	61
Monofluoroacetic acid, the toxic principle of "gifblaar" <i>Dichapetalum</i> <i>cymosum</i> (Hook) Engl. . . . .	20	67
<b>Marais, J.S.C., Bonsma, J.C. &amp; Smuts, D.B.</b>		
The utilization of the protein of Somerset beans by rats and sheep. . . . .	15	211
<b>Marais, J.S.C. &amp; Rimington, C.</b>		
Isolation of the poisonous principle of <i>Dimorphotheca cuneata</i> Less. . . . .	3	111
<b>Marais, J.S.C. &amp; Smuts, D.B.</b>		
The endogenous nitrogen metabolism of sheep with special reference to the maintenance requirement of protein. . . . .	11	131
The basal metabolism of 3 to 4 weeks old White Leghorn chickens. . . . .	11	141
Plant proteins. III. The supplementary effect amongst certain plant proteins. . .	11	151
Plant proteins. IV. The biological values of soya beans, linseedmeal, and soya beans supplemented by cystine. . . . .	11	391
Plant proteins. V. Biological value of lucerne and lucerne supplemented by cystine in sheep. . . . .	11	399
Plant proteins. VI. The amino acid deficiencies in certain plant proteins. . . .	11	407
The effect of supplementing lucerne with cystine and methionine on the growth of rats. . . . .	12	369
The endogenous nitrogen metabolism of young sheep with reference to the estimation of the maintenance requirement of sheep. . . . .	13	219
The biological value of white fish meal as determined on growing sheep and rats. . . . .	13	361
Further studies on the amino acid deficiencies of plant proteins. . . . .	14	387
The dry matter consumption of sheep on natural grazing in the Transvaal. . .	14	403
The utilization by sheep of the proteins contained in the natural grazing during different seasons of the year. . . . .	14	415
Supplementation of winter grazing in the Transvaal with special reference to the maintenance protein requirements of sheep. . . . .	15	187
The biological value of the proteins of maize supplemented with lysine and tryptophane. . . . .	15	197
The biological values of the proteins of oats, barley, wheatbran and pollard. .	15	205
The amino acid deficiencies of certain plant proteins and the supplementary effect between plant proteins as measured by means of their biological values. . . . .	15	225
<b>Maré, C.J.</b>		
The ability of Group III viruses associated with infectivity in cattle in South Africa to infect the respiratory tract. . . . .	31	3

<b>Maré, G.S. &amp; Bosman, V.</b>		
The influence of feed on the Merino sheep. . . . .	3	199
<b>Maré, G.S., Bosman, V. &amp; Duerden, J.E.</b>		
Influence of regular dipping on the Merino sheep and its fleece. . . . .	1	567
<b>Maré, G.S., &amp; Curson, H.H.</b>		
Studies in sex physiology. No. 12. The situation of the developing foetus and the relationship between the pregnant horn and the corresponding corpus luteum verum. . . . .	3	477
<b>Maré, G.S., Roux, L.L. &amp; Quinlan, J.</b>		
A study of the duration of motility of spermatozoa in the different divisions of the reproductive tract of the Merino ewe. . . . .	1	135
<b>Mason, J.H.</b>		
Thomsen's hemagglutination phenomenon; isolation of a J-like bacillus. . . . .	2	25
A note on the cultivation of anaerobes. . . . .	2	29
The liquefaction of inspissated serum by the lamb dysentery bacillus. . . . .	2	33
The lethal dose of the toxins of some anaerobes for sheep. . . . .	5	61
The bloodpens strain of <i>Cl. welchii</i> , type B, Wilsdon (the "lamb dysentery bacillus"). . . . .	5	363
The production of immunity against <i>Cl. welchii</i> , type B, Wilsdon (the "lamb dysentery bacillus"). . . . .	5	391
The isolation of single bacterial cells. . . . .	7	133
The toxin of <i>Clostridium chauvoei</i> . . . . .	7	433
<b>Mason, J.H. &amp; Alexander, R.A.</b>		
Heartwater in sheep. The Weil-Felix reaction and an investigation into the bacterial content of the blood with particular reference to the use of K-medium. . . . .	3	7
Studies of the Rickettsias of the Typhus-Rocky-Mountain-Spotted-Fever group in South Africa. II. Morphology and cultivation. . . . .	13	25
Studies of the Rickettsias of the Typhus-Rocky-Mountain-Spotted-Fever group in South Africa. III. The disease in the experimental animal. Cross-immunity tests. . . . .	13	41
Studies of the Rickettsias of the Typhus-Rocky-Mountain-Spotted-Fever group in South Africa. IV. Discussion and classification. . . . .	13	67
Studies on the neurotropic virus of horsesickness. VII Transmitted immunity. . . . .	16	19
<b>Mason, J.H. &amp; Bekker, J.G.</b>		
Further notes on lumpy wool in South Africa. . . . .	3	211
<b>Mason, J.H. &amp; Neitz, W.O.</b>		
The susceptibility of cattle to the virus of bluetongue. . . . .	15	149
The erosive stomatitis of cattle. . . . .	15	159
<b>Mason, J.H., Neitz, W.O. &amp; Alexander, R.A.</b>		
Studies of the Rickettsias of the Typhus-Rocky-Mountain-Spotted-Fever group in South Africa. I. Isolation of strains. . . . .	13	19
The transmission of tickbite fever by the dog tick <i>Rhipicephalus sanguineus</i> , Labr. . . . .	16	9
<b>Mason, J.H. &amp; Robinson, E.M.</b>		
The antigenic compounds of the toxins of <i>Cl. botulinum</i> types C and D. . . . .	5	65
The isolation of <i>Cl. welchii</i> type B from foals affected with dysentery. . . . .	11	333
<b>Mason, J.H. &amp; Scheuber, J.R.</b>		
The production of immunity to <i>Cl. chauvoei</i> . . . . .	7	143

<b>McAnally, Rachel, A.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. X. Notes on the digestion of some sugars in the rumen of sheep. . . . .	18	131
<b>McCully R.M., Basson, P.A., van Niekerk, J.W. &amp; Bigalke, R.D.</b>		
Observations on <i>Besnoitia</i> cysts in the cardiovascular system of some wild antelopes and domestic cattle. . . . .	33	245
<b>McCully, R.M., Bigalke, R.D., van Niekerk, J.W. &amp; Basson, P.A.</b>		
Studies on the relationship between <i>Besnoitia</i> of blue wildebeest and impala, and <i>Besnoitia besnoiti</i> of cattle . . . . .	34	7
<b>McCully, R.M., van Niekerk, J.W. &amp; Basson, P.A.</b>		
The pathology of <i>Cordophilus sagittus</i> (v. Linstow, 1907) infestation in the kudu [ <i>Tragelaphus strepsiceros</i> (Pallas, 1766)] bushbuck [ <i>Tragelaphus scriptus</i> (Pallas, 1766)] and African buffalo [ <i>Syncerus caffer</i> (Sparrman, 1779)] in South Africa. . . . .	34	137
<b>McCully, R.M., van Niekerk, J.W. &amp; Kruger, S.P.</b>		
Observations on the pathology of bilharziasis and other parasitic infestations of <i>Hippopotamus amphibius</i> Linnaeus, 1758, from the Kruger National Park. . . . .	34	563
<b>McIntosh, B.M.</b>		
The isolation of virus in mice from cases of horsesickness in immunized horses. . . . .	26	183
Complement fixation with horsesickness viruses. . . . .	27	165
Immunological types of horsesickness virus and their significance in immunization. . . . .	27	465
<b>McIntosh, B.M., Haig, D.A. &amp; Alexander, R.A.</b>		
Isolation in mice and embryonated hen's eggs of a virus associated with vaginitis in cattle. . . . .	26	479
<b>McKercher, D.G., Alexander, R.A. &amp; Haig, D.A.</b>		
The cytopathogenic action of bluetongue virus on tissue cultures and its application on the detection of antibodies in the serum of sheep. . . . .	27	171
<b>McKercher, D.G., Shone, D.K. &amp; Haig, D.A.</b>		
The use of tissue culture propagated bluetongue virus for complement fixation studies in sheep sera. . . . .	27	179
<b>Meara, P.J.</b>		
Meat studies. No. 1. Postnatal growth and development of muscle, as exemplified by the gastrocnemius and psoas muscles of the rabbit. . . . .	21	329
Meat studies. No. 2. Toughness of meat. . . . .	21	467
<b>Meij, H.S., Holemans K.C., Meyer, B.J. &amp; Loots, J.M.</b>		
The use of the South African frog ( <i>Xenopus laevis</i> ) in the study of spinal reflex physiology. . . . .	34	619
<b>Meyer, B.J., Holemans, K.C., Meij, H.S. &amp; Loots, J.M.</b>		
The use of the South African frog ( <i>Xenopus laevis</i> ) in the study of spinal reflex physiology. . . . .	34	619
<b>Meyer, B.J., Loubser, J.S., Jansen, C.R., Fichardt, J.B. &amp; le Roux, J.S.</b>		
A technique for thoracic duct - portal vein anastomosis in the dog. . . . .	33	239
<b>Mitchell, D.T., Bayer, A.M. &amp; Canham, A.S.</b>		
<i>Urginea capitata</i> Baker - the berg slangkop, its toxic effects on ruminants, with a brief botanical survey of area. . . . .	2	681
<b>Mitchell, D.T. &amp; le Roux, P.L.</b>		
Further investigations into immunization of cattle against rinderpest. . . . .	21	7

<b>Mitchell, D.T. &amp; Mansvelt, P.R.</b>		
Investigation into immunization of cattle against rinderpest in Tanganyika Territory. . . . .	22	231
<b>Mitchell, D.T. &amp; Peevie, G.G.</b>		
The manufacture of anti-rinderpest spleen vaccine under field conditions in Tanganyika Territory. . . . .	20	123
<b>Mönnig, H.O.</b>		
The cause of nodular enteritis in cattle. . . . .	1	63
The chemotherapy of oesophagostomiasis in sheep. . . . .	1	67
Wild antelopes as carriers of nematode parasites of domestic ruminants, Part III. . . . .	1	77
Studies on the alimentary tract of the Merino sheep in South Africa. I. Investigations into the physiology of deglutition. . . . .	1	117
The chemotherapy of oesophagostomiasis in sheep. II. . . . .	5	419
A new fly repellent and a blowfly dressing (preliminary report). . . . .	7	419
Treatment against lungworms ( <i>Dictyocaulus filaria</i> ) in sheep. . . . .	14	111
<i>Marshallagia marshalli</i> (Ranson, 1907) Orloff, 1933, and a new species of this genus from sheep in South Africa. . . . .	14	115
Sheep blowfly research. VI – The treatment of myiasis. . . . .	16	73
<b>Mönnig, H.O. &amp; Cilliers, P.A.</b>		
Sheep blowfly research. VII. Investigations in the Cape winter rainfall areas. . . . .	19	71
<b>Mönnig, H.O. &amp; Marais, I.P.</b>		
The administration of anthelmintics to horses in bran. . . . .	1	59
<b>Mönnig, H.O. &amp; Ortlepp, R.J.</b>		
Anthelmintic tests, chiefly with tetrachlorethylene, for the removal of the hookworm ( <i>Gaigeria pachyscelis</i> ) from infested sheep, with observations on the effects of this drug on other parasitic nematodes. . . . .	7	399
A tetrachlorethylene emulsion as an anthelmintic. . . . .	13	193
<b>Mönnig, H.O. &amp; Quin, J.I.</b>		
Studies on the alimentary tract of the Merino sheep in South Africa. II. Investigation on the physiology of deglutition. . . . .	5	485
<b>Morgenthal, J.C.</b>		
The haematology of the Angora goat with special reference to the habitual aborter. I. The pregnant doe. . . . .	33	363
<b>Muller, G.L.</b>		
The epizootiology of helminth infestation in sheep in the South-western districts of the Cape. . . . .	35	159
<b>Munz, E.K. &amp; Owen, N.C.</b>		
Electron microscopic studies on lumpy skin disease virus type Neethling. . . . .	33	3
Observations on a strain of bluetongue virus by electron microscopy. . . . .	33	9
<b>Murray, G.N.</b>		
A statistical analysis of growth and carcass measurements of baconers. . . . .	2	361
Growth of the albino rat with special reference to the influence of environment. . . . .	16	331
Preliminary observations on the breeding of ferrets in South Africa. . . . .	17	297
<b>Murray, G.N., Roux, L.L. &amp; Schutte, D.J.</b>		
The effect of type of feed on the solids-not-fat content of milk. . . . .	4	167
<b>Murray, G.N., Schutte, D.J. &amp; du Plessis, J.A.</b>		
The effect of barley, millet ( <i>'n Yati-Pennisetum</i> sp.) and lucerne meal in bacon production. . . . .	1	595

<b>Myburgh, S.J.</b>		
The carotene content of some South African feeds. . . . .	5	475
The digestibility of South African feeds. I. The digestibility coefficients of some natural grasses. . . . .	9	165
The carotene content of some South African feeds. . . . .	14	421
The carotene content of some South African feeds. . . . .	16	199
Depletion of substantial vitamin A-reserves in growing rats. . . . .	18	149
Feeding vitaminized peanut butter to rats to confirm chemical assays of vitamin A. . . . .	18	157
The nutritive value of the protein of a few South African soybean meals. . . .	19	161
The nutritive value of mixed proteins. The biological value of the proteins of a mixture of yellow maize seed and grape seeds, and a mixture of yellow maize seed and camelthorn pods ( <i>Acacia giraffae</i> ). . . . .	20	213
The biological values of the proteins of some South African (whole seed) maize varieties. . . . .	21	57
The supplementary effect between the proteins of a heat-treated soybean meal ("Soma Meal") and a South African strain of yellow maize seed ("Eksteen"). . . . .	21	301
The stability of Vitamin A in synthetic Vitamin A concentrates (acetate or palmitate). I. In phosphate stock licks with and without trace elements. . .	29	269
<b>Myburgh, S.J. &amp; Groenewald, J.W.</b>		
The influence of enrichment of maize meal on the growth of rats. . . . .	26	235
<b>Myburgh, S.J., Laurence, G.B., Louw, J.G. &amp; Groenewald, J.W.</b>		
Digestibility of lucerne hay with special reference to experimental technique in digestion trials. . . . .	24	67
<b>Myburgh, S.J., Louw, J.G. &amp; Groenewald, J.W.</b>		
The influence of processing on the efficiency of proteins. . . . .	25	(4) 93
Digestibility of lucerne hay with special reference to experimental technique in digestion trials (second report). . . . .	25	(4) 105
<b>Myburgh, S.J. &amp; Quin, J.I.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. IX. The H-ion concentration in the forestomachs of fistula sheep under different experimental conditions. . . . .	18	119
<b>Myburgh, S.J., Quin, J.I. &amp; v.d. Wath, J.G.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. IV. Description of experimental technique. . . . .	11	341
<b>Myburgh, S.J., Quinlan, J. &amp; de Vos, D.</b>		
The hydrogen-ion concentration of the vaginal secretion of the Merino sheep during oestrus, dioestrus, and pregnancy, with some remarks on its influence on sex-determination, and the influence of the vaginal temperature at the time of mating on conception. . . . .	17	105
<b>Myburgh, S.J., &amp; van der Wath, J.G.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. VI. The role of infusoria in ruminal digestion with some remarks on ruminal bacteria. .	17	61
<b>Neitz, W.O.</b>		
Bood parasites of game in Zululand. Further Report. . . . .	1	411
The transmission of <i>Spirochaeta theileri</i> to a blesbuck ( <i>Damaliscus albifrons</i> ). .	5	7
Bovine anaplasmosis — the transmission of <i>Anaplasma marginale</i> to a black wildebeest ( <i>Conochaetes gnu</i> ). . . . .	5	9
The blesbuck ( <i>Damaliscus albifrons</i> ) and the black wildebeest ( <i>Conochaetes gnu</i> ) as carriers of heartwater. . . . .	5	35

<i>Eperythrozoonosis</i> in sheep. . . . .	9	9
The occurrence of <i>Piroplasma pitheci</i> in a vervet monkey ( <i>Cercopithecus aethiops cloetei</i> Roberts) in South Africa. . . . .	9	31
The transmission of heartwater to and from biesbuck ( <i>Damaliscus albifrons</i> ) by means of the bont tick ( <i>Amblyomma hebraeum</i> ). . . . .	9	37
The occurrence of <i>Grahamella couchi</i> sp. n. in the multimammate mouse ( <i>Mastomys coucha</i> ) in South Africa. . . . .	10	29
The destruction of <i>Piroplasma canis</i> by the neutrophils and large mononuclear leucocytes. . . . .	10	33
The occurrence of <i>Nuttalia cynicti</i> sp. n. in the yellow mungoose <i>Cynictis pennicillata</i> in South Africa. . . . .	10	37
The appearance of <i>Bartonella muris</i> M. Mayer 1921 in the albino and wild rat after splenectomy. . . . .	10	41
Ovine anaplasmosis: The transmission of <i>Anaplasma ovis</i> and <i>Eperythrozoon ovis</i> to the blesbuck ( <i>Damaliscus albifrons</i> ). . . . .	13	9
The immunity in heartwater. . . . .	13	245
<i>Eperythrozoonosis</i> in cattle. . . . .	14	9
The susceptibility of the springbuck ( <i>Antidorcas marsupialis</i> ) to heartwater. . . . .	20	25
Immunological studies on bluetongue in sheep. . . . .	23	93
A consolidation of our knowledge of the transmission of tick-borne diseases. . . . .	27	115
Studies on the aetiology of sweating sickness. . . . .	27	197
Theileriosis, gonderiosis and cytauxzoonosis. A review. . . . .	27	275
Sweating sickness : the present state of our knowledge. . . . .	28	3
A checklist and hostlist of the zoonoses occurring in mammals and birds in South and South West Africa. . . . .	32	189
<b>Neitz, W.O. &amp; Alexander, R.A.</b>		
The transmission of louping ill by ticks ( <i>Rhipicephalus appendiculatus</i> ). . . . .	5	15
Immunization of cattle against heartwater and the control of the tick-borne diseases, redwater, gallsickness and heartwater. . . . .	20	137
<b>Neitz, W.O., Alexander, R.A. &amp; Adelaar, T.F.</b>		
Studies on immunity in heartwater. . . . .	21	243
<b>Neitz, W.O., Alexander, R.A. &amp; du Toit, P.J.</b>		
The immunization of mules with formalised horsesickness virus II. . . . .	1	21
The immunization of horses against horsesickness by the use of formalised virus, Part II. . . . .	1	25
<b>Neitz, W.O., Alexander, R.A. &amp; Mason, J.H.</b>		
Studies of the Rickettsias of the Typhus-Rocky-Mountain-Spotted-Fever group in South Africa. I. Isolation of strains. . . . .	13	19
The transmission of tickbite fever by the dog tick <i>Rhipicephalus sanguineus</i> Labr. . . . .	16	9
<b>Neitz, W.O. &amp; Curson, H.H.</b>		
The approximate distribution of the genus <i>Glossina</i> . . . . .	9	101
<b>Neitz, W.O., de Kock, G. &amp; du Toit, R.M.</b>		
Observations on bluetongue in cattle and sheep. . . . .	8	129
<b>Neitz, W.O., de Kock, G., van Heerden, C.J., &amp; du Toit, R.M.</b>		
Bovine theileriosis in South Africa with special reference to <i>Theileria mutans</i> . . . . .	8	9
<b>Neitz, W.O., du Toit, P.J., &amp; Alexander, R.A.</b>		
<i>Eperythrozoon ovis</i> (sp. nov.) infection in sheep. . . . .	3	263
Horsesickness : Immunization of horses and mules in the field during the season 1934-35, with a description of the technique of preparation of polyvalent mouse neurotropic vaccine. . . . .	7	17

<b>Neitz, W.O. &amp; Jansen, B.C.</b>		
The experimental transmission of <i>Theileria ovis</i> by <i>Rhipicephalus evertsi</i> . . . . .	27	3
A discussion on the classification of the Theileridae. . . . .	27	7
<b>Neitz, W.O. &amp; Mason J.H.</b>		
The susceptibility of cattle to the virus of bluetongue. . . . .	15	149
Erosive stomatitis of cattle. . . . .	15	159
<b>Neitz, W.O. &amp; Riemerschmid, G.</b>		
The influence of solar radiation on the course of bluetongue. . . . .	20	29
<b>Neitz, W.O. &amp; Thomas, A.D.</b>		
Rabies in South Africa. Occurrence and distribution of cases during 1932. . .	1	51
Rabies in South Africa. Occurrence and distribution of cases during 1933. . .	3	335
Further observations on the pathology of bluetongue in sheep. . . . .	22	27
<i>Cytauxzoon sylvicapra</i> gen. nov., spec. nov., a protozoon responsible for a hitherto undescribed disease in the duiker ( <i>Sylvicapra grimmii</i> ) Linne. . . .	23	63
<b>Nel, H.A.M. &amp; van Wyk, C.M.</b>		
Studies on the basic characteristics of South African Merino wool. II. Specific gravity. . . . .	15	325
<b>Nevill, E.M.</b>		
The role of carbon dioxide as stimulant and attractant to the sand tampan, <i>Ornithodoros savignyi</i> (Audouin). . . . .	31	59
<b>Nevill, E.M. &amp; Basson, P.A.</b>		
A description of the first stage larva of <i>Oestrus aureoargentatus</i> Rodhain and Bequaert (1912) obtained by artificial mating (Diptera: Oestridae). . . . .	33	287
<b>Nicol, J., Sterne, M. &amp; Robinson, E.M.</b>		
The use of saponin spore vaccine for inoculation against anthrax in South Africa. . . . .	12	279
<b>Nieschulz, O., Bedford, G.A.H. &amp; du Toit, R.M.</b>		
Investigations into the transmission of bluetongue in sheep during 1931-32. . .	2	509
Results of a mosquito survey at Onderstepoort during the summer 1931/32 in connection with the transmission of horsesickness. . . . .	3	43
Investigations into the transmission of horsesickness at Onderstepoort during the season 1931/32. . . . .	3	275
<b>Nieschulz, O. &amp; du Toit, R.M.</b>		
Handling mosquitoes for experimental purposes under South African conditions. . . . .	3	79
Investigations into the transmission of horsesickness at Onderstepoort during the season 1932-33. . . . .	8	213
<b>Nolte, M.C.A.</b>		
Sheep blowfly research. II. - Suint investigations. . . . .	18	19
<b>Nolte, M.C.A. &amp; Hepburn, G.A.</b>		
Sheep blowfly research. III.-Studies on the olfactory reactions of sheep blowflies. . . . .	18	27
Sheep blowfly research. IV - Field tests with chemically treated carcasses. . .	18	49
<b>Oellermann, R.A., Els, H.J. &amp; Verwoerd, D.W.</b>		
Purification and physico-chemical characterization of Eco-bo-virus Type SA-I. .	34	53
<b>Oellermann, R.A., Verwoerd, D.W., Broekman, J. &amp; Weiss, K.E.</b>		
The serological relationship of South African bovine enterovirus strains (Eco SA-I and -II) and the growth characteristics in cell culture of the prototype strain (Eco SA-I). . . . .	34	41

Plaque formation by bluetongue virus. . . . .	34	317
<b>Ortlepp, R.J.</b>		
<i>Ozolaimus megatyphlon</i> (Rud. 1819), a little known helminth from <i>Iguana tuberculata</i> . . . . .	1	93
<i>Joyeuxia fuhrmanni</i> Baer, 1924, a hitherto unrecorded cestode parasite of the domestic cat in South Africa. . . . .	1	97
On some South African reptilian oxyurids. . . . .	1	99
Echinococcus in dogs from Pretoria and vicinity. . . . .	3	97
Preliminary note on the life history of <i>Gaigeria pachyscelis</i> (Raill. and Henry, 1910) a hookworm of sheep. . . . .	3	347
On <i>Habronema murrayi</i> (sp. n.), from the barn owl, <i>Tyto alba</i> . . . . .	3	351
On some helminths from the "Nylghiae" - <i>Boselaphus tragocamelus</i> (Pall) with observations on the parasitic larval stages of the stomach worm ( <i>Ashworthius martinaglia</i> ) sp. n. . . . .	5	43
On the metacercaria and adult of <i>Clinostomum van der horsti</i> sp. n. A nematode parasite of fishes and herons. . . . .	5	51
Observations on the morphology and life-history of <i>Gaigeria pachyscelis</i> Raill. and Henry 1910 a hookworm parasite of sheep and goats. . . . .	8	183
Some undescribed species of the nematode genus <i>Physaloptera</i> Rud., together with a key to the sufficiently known forms. . . . .	9	71
A hitherto unrecorded <i>Filaria</i> , <i>Suifilaria suis</i> , n. gen., n. sp. from the domestic pig in South Africa. . . . .	9	85
Whipworms from South African ruminants. . . . .	9	91
South African helminths. Part I. . . . .	9	311
South African helminths. Part II. Some taenias from wild carnivores. . . . .	10	253
South African helminths. Part III. Some mammalian and avian cestodes. . . . .	11	23
South African helminths. Part IV. Cestodes from Columbiformes. . . . .	11	51
South African helminths. Part V. Some avian and mammalian helminths. . . . .	11	63
South African helminths. VI. Some helminths chiefly from rodents. . . . .	12	75
Observations on the life history of <i>Bunostomum trigonocephalum</i> , a hookworm of sheep and goats. . . . .	12	305
South African helminths. VII. Miscellaneous helminths, chiefly cestodes. . . . .	14	97
On two new Catenotaenia tapeworms from a South African rat with remarks on the species of the genus. . . . .	29	11
Observations on <i>Rajotaenia gerbilli</i> Wertheim, 1954 an anoplocephalid cestode from gerbils. . . . .	29	21
On <i>Trachypharynx natalensis</i> sp. nov. and some associated genera of nematodes. . . . .	29	159
<i>Parafilaria bassoni</i> sp. nov. from the eyes of springbuck ( <i>Antidorcas marsupialis</i> ). . . . .	29	165
<i>Trichonema</i> ( <i>Cylicodontophorus</i> ) <i>schürmanni</i> sp. nov. from a zebra ( <i>Equus burchelli</i> Gray, 1924). . . . .	29	169
Lungworms from South African antelopes. . . . .	29	173
Observations on cestode parasites of guinea-fowl from Southern Africa. . . . .	30	95
<i>Bigalkenema namaquensis</i> gen. and sp. nov., a trichostrongylid worm from sheep. . . . .	30	119
<i>Pseudandrya mkuzii</i> sp. nov. (Cestoda: Hymenolepididae) from <i>Ichneumia albicauda</i> . . . . .	30	127



<i>Pereiraia raphiceri</i> sp. nov. (Nematoda: Ascaropsinae) from a steenbuck ( <i>Raphicerus campestris</i> Thunberg, 1811). . . . .	30	133
Clinostomid trematodes as aberrant parasites in the mouth of the domestic cat ( <i>Felis catus domesticus</i> ). . . . .	30	137
Observations on helminths parasitic in warthogs and bushpigs. . . . .	31	11
Some helminths recovered from 'red and yellow-billed' hornbills from the Kruger National Park. . . . .	31	39
<i>Haemonchus krugeri</i> sp. nov. (Nematoda: Trichostrongylidae) from an Impala ( <i>Aepyceros melampus</i> ). . . . .	31	53
<b>Ortlepp, R.J. &amp; Mönnig, H.O.</b>		
Anthelmintic tests, chiefly with tetrachlorethylene for the removal of the hookworm, <i>Gaigeria pachyscelis</i> from infested sheep, with observations on the effects of this drug on other parasitic nematodes. . . . .	6	399
A tetrachlorethylene emulsion as an anthelmintic. . . . .	13	193
<b>Osterhoff, D.R.</b>		
Production of cattle iso-immune sera and blood group reagents. . . . .	28	479
Blood groups in bovines. II. Normally occurring isoantibodies in cattle blood.	29	89
<b>Otto, J.S.</b>		
The assimilation of calcium and phosphorus by the growing bovine. . . . .	10	281
<b>Owen, N.C.</b>		
Investigations into the pH stability of bluetongue virus and its survival in mutton and beef. . . . .	31	109
<b>Owen, N.C., du Toit, R.M. &amp; Howell, P.G.</b>		
Bluetongue in cattle: typing of viruses isolated in cattle exposed to natural infections. . . . .	32	3
<b>Owen, N.C. &amp; Munz, E.K.</b>		
Electron-microscopic studies on lumpy skin disease virus type Neethling. . . . .	33	3
Observations on a strain of bluetongue virus by electron microscopy. . . . .	33	9
<b>Oxford, A.E., Quin J.I. &amp; van der Westhuizen, G.C.A.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. XVII. On the identity of <i>Schizosaccharomyces ovis</i> . Part I. Some yeastlike organisms from the rumen contents of sheep fed on a lucerne diet. . . . .	24	119
<b>Oyaert, W., Clark, R. &amp; Quin, J.I.</b>		
Studies on the alimentary tract of the Merino sheep in South Africa. XVIII. The effect of fasting on the activity of the ruminal flora in sheep and cattle. . . . .	25	(1) 51
<b>Oyaert, W., Quin, J.I. &amp; Clark, R.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. XIX. The influence of sulphanilamide on the activity of the ruminal flora of sheep and cattle. . . . .	25	(1) 59
Studies on the alimentary tract of the Merino sheep in South Africa. XXI. The toxicity of urea to sheep under different conditions. . . . .	25	(1) 73
<b>Parkin, B.S.</b>		
The symptomatology and treatment of <i>Trypanosoma congolense</i> infection of canines. . . . .	4	247
Symptomatology of some trypanosomiasis of domestic animals. . . . .	4	251
A short study of bovine anaplasmosis, with special reference to the chemotherapy. . . . .	4	269
The treatment of <i>T. brucei</i> infection of equines with antimosan. . . . .	4	281

Antimosan fastness of <i>T. congolense</i> . . . . .	4	285
The intravenous administration of sterylquinoline in equine trypanosomiasis. . . . .	4	287
Autosterilization in trypanosomiasis. . . . .	10	21
The demonstration and transmission of the South African strain of <i>Trypanosoma equiperdum</i> of horses. . . . .	23	41
<b>Peevie, W.G.C. &amp; Mitchell, D.T.</b>		
The manufacture of anti-rinderpest spleen vaccine under field conditions in Tanganyika Territory. . . . .	20	123
<b>Pfaff, G.</b>		
Immunization against rinderpest with special reference to the use of dried goat spleen. . . . .	11	263
Rinderpest in buffaloes. The immunizing value of dried goat spleen vaccine. . . . .	15	175
<b>Pienaar, J.G., Basson, P.A. &amp; van der Merwe, J.L. de B.</b>		
Studies on the pathology of heartwater [ <i>Cowdria (Rickettsia) ruminantium</i> , Cowdry, 1926]. I. Neuropathological changes. . . . .	33	115
<b>Pols, J.W.</b>		
Studies on bovine besnoitiosis with special reference to the aetiology. . . . .	28	265
<b>Polson, A.</b>		
The particle size of African horsesickness virus as determined by ultra-filtration and ultra-centrifugation. . . . .	16	33
The electrophoresis of the neurotropic virus of horsesickness and its neutralizing anti-bodies in low concentration. . . . .	16	51
An electrophoresis apparatus for the rapid routine analysis of sera and other protein solutions. . . . .	20	159
The diffusion constant and molecular weight and shape of neurotropic horsesickness virus. . . . .	22	41
The particle size of bluetongue virus as determined by ultrafiltration and ultracentrifugation. . . . .	23	137
Comparative electrophoretic studies of bovine and human colostrum in relation to neonatal immunity. . . . .	25	(4) 7
<b>Polson, A. &amp; Malherbe, W.D.</b>		
Changes in the electrophoretic pattern of sera of dogs suffering from various diseases. . . . .	25	(4) 13
<b>Polson, A., van Rooy, P.J., Laurence, S.M. &amp; Dent, Joan</b>		
The stability of neurotropic African horsesickness virus in solutions of different chemical compositions. . . . .	26	197
<b>Polson, A., van Rooy, P.J. &amp; Marais, E.J.</b>		
A photometric method for quantitative paper partition chromatography of amino acids. . . . .	25	(1) 31
<b>Pretorius, T.P.</b>		
The alkaloids of <i>Senecio paucicalyculatus</i> Platt. . . . .	22	297
<b>Pretorius, T.P. &amp; de Waal, H.L.</b>		
South African <i>Senecio</i> , alkaloids, Part 6 - The toxic alkaloids of <i>Senecio sceleratus</i> sp. nov. Schweikerdt. . . . .	17	181
<b>Procos, J.</b>		
Ovine ketosis. I. The normal ketone body values. . . . .	28	557
Ovine ketosis. II. The effect of pregnancy on the blood ketone body levels of well-fed ewes. . . . .	29	107
Ovine ketosis. III. The effect of starvation on the blood sugar and ketone body levels of wethers. . . . .	29	259

<b>Procos, J. &amp; Clark, R.</b>		
Ovine ketosis. IV. The effect of alloxan on the ketone body and blood sugar levels of Merino wethers. . . . .	30	161
<b>Procos, J. &amp; Gilchrist, F.M.C.</b>		
Ovine ketosis. V. Ketone body and blood glucose levels of Merino ewes during the preclinical, clinical and postclinical stages of pregnancy disease. . . . .	33	161
Ovine ketosis. VI. The effect of starvation on the blood levels of ketones and glucose in pregnant ewes from the Karoo and Highveld regions of South Africa. . . . .	33	305
<b>Quin, J.I.</b>		
Studies on the photosensitization of animals in South Africa. I. The action of various fluorescent dyestuffs. . . . .	1	459
Studies on the photosensitization of animals in South Africa. III. The photodynamic action of <i>Hypericum ethiopicum</i> var. <i>glaucescens</i> Sond. and <i>Hypericum leucoptychodes</i> (Syn. <i>H. lanceolatum</i> ). Lam. . . . .	1	491
Studies on the photosensitization of animals in South Africa. IV. The toxicity of <i>Lopholaena coriifolia</i> (Harv.) Phill & C.A. Sm (= <i>L. randii</i> sp. Moore). . . . .	1	497
Studies on the photosensitization of animals in South Africa. V. The toxicity of <i>Lippia rehmanni</i> (Pears) and <i>Lippia pretoriensis</i> (Pears). . . . .	1	501
Studies on the photosensitization of animals in South Africa. VI. The effect of surgical obstruction of the normal bile flow. . . . .	1	505
Studies on the photosensitization of animals in South Africa. IX. The bile flow of the Merino sheep under various conditions. . . . .	7	351
Studies on the alimentary tract of Merino sheep in South Africa. VII. Fermentation in the forestomachs of sheep. . . . .	18	91
Studies on the alimentary tract of Merino sheep in South Africa. VIII. The pathogenesis of acute tympanites (bloat). . . . .	18	113
<b>Quin, J.I. &amp; Besselaar, H.J.</b>		
Studies on the alimentary tract of sheep in South Africa. III. The influence of bowel anastomosis on the general nutritional state of Merino sheep. . . . .	5	501
<b>Quin, J.I. &amp; Clark, R.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. XIII. The role of prussic acid in the aetiology of acute bloat. . . . .	20	209
The effect of diet and body condition on the heat regulating system of the Merino sheep. . . . .	21	317
Studies on the action of potassium monofluoroacetate (CH <sub>2</sub> FCOOK) [ <i>Dichapetatum cymosum</i> (Hook) Engl.] toxin on animals. . . . .	22	77
Studies on the water requirements of farm animals in South Africa. I. The effect of intermittent watering on Merino sheep. . . . .	22	335
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. . . . .	22	345
Studies on the alimentary tract of the Merino sheep in South Africa. XXIII. The effect of supplementing poor quality grass hay with molasses and nitrogenous salts. . . . .	25	(1) 93
<b>Quin, J.I., Clark, R., Ortlepp, R.J., Bosman, S.W., Laurence, G.B. &amp; Groenewald, J.W.</b>		
The influence of nutritional levels on verminosis in Merino lambs. . . . .	25	(1) 121

<b>Quin, J.I., Clark, R. &amp; Oyaert, W.</b>		
Studies on the alimentary tract of the Merino sheep in South Africa. XIX. The influence of sulphanilamide on the activity of the ruminal flora of sheep and cattle. . . . .	25	(1) 59
Studies on the alimentary tract of the Merino sheep in South Africa. XXI. The toxicity of urea to sheep under different conditions. . . . .	25	(1) 73
<b>Quin, J.I. &amp; de Kock, G. v.d.W.</b>		
Bioclimatological studies on white rats in South Africa. No. 1. Skin cancer in rats following continued exposure to sunlight. . . . .	13	349
<b>Quin, J.I., Hoflund, S. &amp; Clark, R.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. XV. The influence of different factors on the rate of cellulose digestion (a) in the rumen and (b) in ruminal ingesta as studied <i>in vitro</i> . . . . .	23	395
<b>Quin, J.I., Louw, J.G. &amp; Bodenstein, Sybille, I.</b>		
The digestibility for sheep of the cellulose in a poor veld hay as affected by supplements of a mixture of concentrates and green feed. . . . .	23	239
<b>Quin, J.I. &amp; Mönning, H.O.</b>		
Studies on the alimentary tract of the Merino sheep in South Africa. II. Investigation on the physiology of deglutition. . . . .	5	485
<b>Quin, J.I. &amp; Myburgh, S.J.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. IX. The H-ion concentration in the forestomachs of fistula sheep under different experimental conditions. . . . .	18	119
<b>Quin, J.I., Oyaert, W. &amp; Clark, R.</b>		
Studies on the alimentary tract of the Merino sheep in South Africa. XVIII. The effect of fasting on the activity of the ruminal flora of sheep and cattle. . . . .	25	(1) 51
<b>Quin, J.I. &amp; Riemerschmid, Gertrud.</b>		
Studies on the photosensitization of animals in South Africa. XI. The reaction of the sensitized Merino skin to radiation in different regions of the spectrum. . . . .	17	89
<b>Quin, J.I. &amp; Rimington, C.</b>		
Studies on the photosensitization of animals in South Africa. II. The presence of a lethal factor in certain members of the plant genus <i>Tribulus</i> . . . . .	1	469
Studies on the photosensitization of animals in South Africa. VII. The nature of the photosensitizing agent in geeldikkop. . . . .	3	137
<b>Quin, J.I., Rimington, C. &amp; Roets, G.C.S.</b>		
Studies on the photosensitization of animals in South Africa. VIII. The biological formation of phylloerythrin in the digestive tracts of various domesticated animals. . . . .	4	463
Studies on the photosensitization of animals in South Africa. X. The icterogenic factor in geeldikkop. Isolation of active principles from <i>Lippia rehmanni</i> , Pears. . . . .	9	225
<b>Quin, J.I., Sapiro, M.L., Hoflund, S. &amp; Clark, R.</b>		
Studies on the alimentary tract of the Merino sheep in South Africa. XVI. The fate of nitrate in ruminal ingesta as studied <i>in vitro</i> . . . . .	22	357
<b>Quin, J.I. &amp; van der Wath, J.G.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. V. The motility of the rumen under various conditions. . . . .	11	361

The effects of diethyl-stilboestrol and pregnant mare serum on the oestrous cycle of Merino ewes. . . . .	18	139
<b>Quin, J.L., van der Wath, J.G. &amp; Myburgh, S.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. IV. Description of experimental technique. . . . .	11	341
<b>Quir, J.L., v.d. Westhuizen, G.C.A. &amp; Oxford, A.E.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. XVII. On the identity of " <i>Schizosaccharomyces ovis</i> ". Part 1. Some yeastlike organisms from the rumen contents of sheep fed on a lucerne diet. . . . .	24	119
<b>Quinlan, J.B., Bisschop, J.H.R. &amp; Adelaar, T.F.</b>		
Bionomic studies on cattle in the semi-arid regions of the Union of South Africa. IV. The ovarian cycle of heifers during summer. . . . .	16	213
<b>Quinlan, J.B., Claassens, C.C., Bonsma, H.C. &amp; Rose, P.D.</b>		
Observations on the gestation period of Ronderib-Afrikander sheep. . . . .	12	251
<b>Quinlan, J.B. &amp; Curson, H.H.</b>		
Studies in sex physiology. No. 10. The situation of the developing foetus in the Merino sheep. . . . .	2	657
Studies in sex physiology. No. 14. The situation of the developing foetus in the uterus of the live Merino sheep. . . . .	7	227
<b>Quinlan, J.B., de Kock, G. v.d. W. &amp; Bekker, J.G.</b>		
The occurrence and identification of bluetongue in cattle - the so-called pseudo-foot-and-mouth-disease in South Africa. . . . .	2	393
<b>Quinlan, J.B., de Kock, G. v.d.W. &amp; Marais, J.P.</b>		
The operation of splenectomy in horses, cattle, sheep, goats, pigs, dogs and some South African antelopes. A summary of the results of 98 splenectomies. . . . .	5	273
<b>Quinlan, J.B., Maré, G.S. &amp; Roux, L.L.</b>		
A study of the duration of motility of spermatozoa in the different divisions of the reproductive tract of the Merino ewe. . . . .	1	135
<b>Quinlan, J.B., Myburgh, S.J. &amp; de Vos, D.</b>		
The hydrogen-ion concentration of the vaginal secretion of the Merino sheep during oestrus, dioestrus and pregnancy, with some remarks on its influence on sex determination, and the influence of the vaginal temperature at the time of mating on conception. . . . .	17	105
<b>Quinlan, J.B. &amp; Riemerschmid, Gertrud.</b>		
A preliminary note on the temperature of the scrotal skin of the bull and its relation to air, skin and body temperature. . . . .	16	299
Further observations on the scrotal skin temperature of the bull, with some remarks on the intra-testicular temperature. . . . .	17	123
<b>Quinlan, J.B. &amp; Roux, L.L.</b>		
Researches into sterility of cows in South Africa. The influence of (i) dry rations, (ii) lack of exercise, and (iii) lack of sunlight on reproduction in beef heifers and cows. . . . .	6	719
<b>Quinlan, J., Roux, L.L. &amp; van Aswegen, W.G.</b>		
Researches into sterility of cows in South Africa. The influence of (1) dry rations and (2) lack of exercise on sexual maturity and the duration of the ovarian cycle in beef heifers. . . . .	12	233

<b>Quinlan, J., Roux, L.L., van Aswegen, W.G. &amp; de Lange, M.</b>		
A note on the results of an attempt to fertilise Native goat-ewes with sheep rams. . . . .	17	115
Researches into sterility of cows in South Africa. The influence of (i) dry rations, (ii) lack of exercise, and (iii) lack of sunlight, on reproduction of beef heifers and cows. . . . .	23	269
<b>Quinlan, J. &amp; Steyn, H.P.</b>		
The influence of oophorectomy on the performance of Greyhound bitches. . . . .	15	281
<b>Quinlan, J., Steyn, H.P. &amp; de Vos, D.</b>		
Sex physiology of sheep. Studies on the nature of the onset of oestrus in ewes following a period of sexual inactivity. . . . .	16	243
Observations on artificial insemination of sheep with fresh and stored semen. . . . .	16	263
<b>Quinlan, J.B., van Rensburg, S.W.J. &amp; Steyn, H.P.</b>		
The oestrous cycle of the mare when maintained under stabled conditions with restricted exercise at Onderstepoort. . . . .	25	(1) 105
<b>Quinlan, J.B., Wilson-Jones, G. &amp; Groenewald, J.W.</b>		
The Onderstepoort small animal colony. . . . .	26	149
<b>Reid, N.R., &amp; Thomas, A.D.</b>		
Rinderpest in game. A description of an outbreak and an attempt at limiting its spread by means of a bush fence. . . . .	20	7
<b>Reinach, N., &amp; Louw, J.G.</b>		
The availability of the calcium and phosphorus in "Electrofos" for bone formation. 1. In the rat. . . . .	24	87
The utilization of phosphorus from different sources, by the rat. . . . .	25	(4) 99
The utilization of the phosphorus from an aluminium-iron rock phosphate. 1. By the rat. . . . .	27	611
The utilization of the phosphorus from an aluminium-iron rock phosphate. II. By sheep. . . . .	27	617
<b>Reinach, N., Louw, J.G., &amp; Groenewald, J.W.</b>		
The effect of body stores and of method of supplementation on the efficiency of calcium and phosphorus utilization by sheep. . . . .	25	(4) 85
<b>Reinach, N., &amp; Steyn, D.G.</b>		
Water poisoning in man and animal together with a discussion on urinary calculi. . . . .	12	167
<b>Reinecke, R.K.</b>		
A field study of some nematode parasites of bovines in a semi-arid area, with special reference to their biology and possible methods of prophylaxis. . . . .	28	365
Improved methods for the recovery of parasitic nematodes at autopsy. . . . .	34	547
An anthelmintic test for larval stages of sheep nematodes. . . . .	35	287
<b>Reinecke, R.K., Sniijders, A.J. &amp; Horak, I.G.</b>		
A modification of standard procedures for evaluating the relative efficacy of anthelmintics. . . . .	29	241
<b>Reinecke, R.K. &amp; Swart, P.J.</b>		
Studies on paramphistomiasis. II. The mass production of metacercariae of <i>Paramphistomum microbothrium</i> Fiscoeder, 1901. . . . .	29	189
<b>Rhodes, W.F., Gordon-Johnstone, J. &amp; Henning, M.W.</b>		
Further studies on the antigenic structure of paratyphoid bacilli with special reference to three new species of <i>Salmonella</i> . . . . .	16	103

<b>Riemerschmid, Gertrud.</b>		
South African solar radiation survey 1937-38. . . . .	15	343
Some aspects of solar radiation in its relation to cattle in South Africa and Europe. . . . .	18	327
<b>Riemerschmid, Gertrud, &amp; Elder, J.S.</b>		
The absorptivity for solar radiation of different coloured hairy coats of cattle. . . . .	20	223
<b>Riemerschmid, Gertrud &amp; Neitz, W.O.</b>		
The influence of solar radiation on the course of bluetongue. . . . .	20	29
<b>Riemerschmid, Gertrud &amp; Quin, J.I.</b>		
Studies on the photosensitization of animals in South Africa. XI. The reaction of the sensitized Merino skin to radiation in different regions of the spectrum. . . . .	17	89
<b>Riemerschmid, Gertrud, &amp; Quinlan, J.</b>		
A preliminary note on the temperature of the scrotal sac of the bull and its relation to air, skin and body temperature. . . . .	16	299
Further observations on the scrotal skin temperature of the bull, with some remarks on the intra-testicular temperature. . . . .	17	123
<b>Rimington, C.</b>		
Recent advances in the chemistry of the plasma proteins and their complexes. . . . .	3	161
Isolation of the toxic principles of <i>Cucumis africanus</i> , of <i>Cucumis myriocarpus</i> Naud. emend. Schweickerdt and of <i>Cucumis leptodermis</i> Schweickerdt sp. nov., their characterization as trilactones belonging to the "bitter principle". . . . .	4	65
<i>Psilocaulon absimile</i> N.E. Br. as a stock poison. II. - Isolation of the toxic alkaloidal constituent and its identification as piperidine hydrochloride. . . . .	4	421
Chemical investigations of the "Gifblaar" <i>Dichapetalum cymosum</i> (Hook) Engl. 1. . . . .	5	81
The occurrence of cyanogenetic glucosides in South African species of <i>Acacia</i> . II. Determination of the chemical constitution of acacipetalin. Its isolation from <i>Acacia stolonifera</i> , Burch. . . . .	5	445
Some cases of congenital porphyria in cattle. Chemical studies upon the living animals and post-mortem material. . . . .	7	567
<b>Rimington, C. &amp; Fourie, P.J.J.</b>		
A further case of congenital porphyria (pink tooth) in a living grade Friesland cow in South Africa (Cedara case). . . . .	10	431
A rapid phase test for distinguishing between carotinoid and bile staining of fat in carcasses. . . . .	10	439
<b>Rimington, C. &amp; Marais, J.S.C.</b>		
Isolation of the poisonous principle of <i>Dimorphotheca cuneata</i> Less. . . . .	3	111
<b>Rimington, C. &amp; Quin, J.I.</b>		
Studies on the photosensitization of animals in South Africa. II. The presence of a lethal factor in certain members of the plant genus <i>Tribulus</i> . . . . .	1	469
Studies on the photosensitization of animals in South Africa. VII. The nature of the photosensitizing agent in geeldikkop. . . . .	3	137
<b>Rimington, C., Quin, J.I. &amp; Roets, G.C.S.</b>		
Studies upon the photosensitization of animals in South Africa. The icterogenic factor in geeldikkop. Isolation of active principles from <i>Lippia rehmanni</i> , Pears. . . . .	9	225

Rimington, C. & Roets, G.C.S.

Chemical studies upon the vermeerbos, <i>Geigeria aspera</i> , Harv. I. Isolation of a bitter principle "Geigerin". . . . .	7	485
Notes upon the isolation of the alkaloidal constituent of the drug "Channa" or "Kougoed" ( <i>Mesembryanthemum anatomicum</i> and <i>M. tortuosum</i> ). . . . .	9	187
Chemical investigation of the plant <i>Acalypha indica</i> . Isolation of triacetnamine, a cyanogenetic glucoside and quebrachite. . . . .	9	193
Rimington, C., Roets, G.C.S. & Fourie, P.J.J.		
Quantitative studies upon porphyrin excretion in bovine congenital porphyrinuria. . . . .	10	421
Rimington, C., Roets, G.C.S. & Quin, J.I.		
Studies on the photosensitization of animals in South Africa. VIII. The biological formation of phylloerythrin in the digestive tracts of various domesticated animals. . . . .	4	463
Rimington, C., Roets, G.C.S. & Steyn, D.G.		
Chemical studies upon the vermeerbos, <i>Geigeria aspera</i> , Harv. II. Isolation of the active principle "Vermeeric acid". . . . .	7	507
Rimington, C. & Steyn, D.G.		
<i>Psilocaulon absimile</i> . N.E. Br. as a stock poison. I. Determination of oxalic, malic, tartaric acids, etc. . . . .	1	439
The occurrence of cyanogenetic glucosides in South African species of <i>Acacia</i> I. . . . .	4	51
A note upon the isolation of the toxic principle from a species of <i>Dimorphotheca</i> , probably <i>Dimorphotheca fruticosa</i> . . . . .	5	79
Rimington, C. & van Manen, E.		
The enzymic activity of egg-white. Its bearing on the problem of watery whites. . . . .	5	329
Rindl, M. & Sapiro, M.L.		
A chemical investigation of the constituents of <i>Nicotiana glauca</i> R. Grah. (Solanaceae) (wild tobacco). . . . .	22	301
Robinson, Britha, N. & Theiler, Gertrud.		
Zoological Survey of the Union of South Africa. Tick Survey. Part VII. Distribution of <i>Haemaphysalis leachi</i> , the yellow dog tick. . . . .	26	83
Ticks in the South African Zoological Survey collection. Part VII - Six lesser known African Rhipicephalids. . . . .	26	93
Tick Survey. VIII - Check lists of ticks recorded from the Belgian Congo, and Ruanda Urundi, from Angola, and from Northern Rhodesia. . . . .	26	447
Robinson, E.M.		
Notes on serological tests carried out on equine species infected with dourine. . . . .	23	33
Dourine infection in young equines. . . . .	23	39
Robinson, E.M., Keppel, J.J.G. & de Kock, G.		
Swine fever in South Africa. . . . .	14	31
Robinson, E.M. & Mason, J.H.		
The antigenic compounds of the toxins of <i>Cl. botulinum</i> types C and D. . . . .	5	65
The isolation of <i>Cl. welchii</i> Type B from foals affected with dysentery. . . . .	11	333
Robinson, E.M., Nicol, J. & Sterne, M.		
The use of saponin spore vaccine for inoculation against anthrax in South Africa. . . . .	12	279
Robinson, E.M., & Sterne, M.		
The preparation of anthrax spore vaccines (for cattle and sheep) in South Africa. . . . .	12	9



<b>Roets, G.C.S.</b>		
The distribution and possible translocation of icterogenin in <i>Lippia rehmanni</i> (Pears). . . . .	9	583
Coproprophyrin excretion in East Coast fever of cattle. . . . .	11	385
Chemical blood studies. VIII. A rapid spectroscopic method for (A) the quantitative determination of haemoglobin in blood and (B) its application for the quantitative estimation of haemoglobin in milk, urine, serum or plasma and faeces. . . . .	14	451
A note on the influence of a blood meal ration on porphyrin excretion in normal bovines. . . . .	16	289
Pigment metabolism. II. Determinations of bilirubin and carotinoids in the plasma and of coproporphyrin in the urine and faeces of cattle experimentally infected with <i>Theileria parva</i> . . . . .	18	297
<b>Roets, G.C.S., du Toit, P.J., Malan, A.I., Louw, J.G. &amp; Holzapfel, C.R.</b>		
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. Second report. . . . .	2	607
A study of the mineral content and feeding value of natural pastures in the Union of South Africa. (Third report). . . . .	5	201
<b>Roets, G.C.S. &amp; Fourie, P.J.J.</b>		
Quantitative studies upon porphyrin excretion in bovine congenital porphyrinuria (pink tooth) No. 2. . . . .	13	369
<b>Roets, G.C.S., Fourie, P.J.J. &amp; Rimington, C.</b>		
Quantitative studies upon porphyrin excretion in bovine congenital porphyrinuria. . . . .	10	421
<b>Roets, G.C.S., Quin, J.I. &amp; Rimington, C.</b>		
Studies on the photosensitization of animals in South Africa. VIII. The biological formation of phylloerythrin in the digestive tracts of various domestic animals. . . . .	4	463
<b>Roets, G.C.S. &amp; Rimington, C.</b>		
Chemical studies upon the vermeerbos, <i>Geigeria aspera</i> , Harv. I. Isolation of a bitter principle "Geigerin". . . . .	7	485
Notes upon the isolation of the alkaloidal constituent of the drug "Channa" or "Kougoed". ( <i>Mesembryanthemum anatomicum</i> and <i>M. tortuosum</i> ). . . . .	9	187
Chemical investigation of the plant <i>Acatypha indica</i> . Isolation of triacetnamine, a cyanogenetic glucoside and quebrachite. . . . .	9	193
<b>Roets, G.C.S., Rimington, C. &amp; Quin, J.I.</b>		
Studies upon the photosensitization of animals in South Africa. X. The icterogenic factor in geeldikkop. Isolation of active principles from <i>Lippia rehmanni</i> , (Pears). . . . .	9	225
<b>Roets, G.C.S., Steyn, D.G. &amp; Rimington, C.</b>		
Chemical studies upon the vermeerbos, <i>Geigeria aspera</i> , Harv. II. Isolation of the active principle, "Vermeer acid". . . . .	7	507
<b>Rose, P.D., Quinlan, J., Claassens, C.C. &amp; Bonsma, H.C.</b>		
Observations on the gestation period of Ronderib-Afrikander sheep. . . . .	12	251
<b>Rossiter, L.W.</b>		
The epizootiology of nematode parasites of sheep in the coastal area of the Eastern Province. . . . .	31	143
<b>Rossouw, S.D.</b>		
The extraction of wool-grease. . . . .	10	229

The origin of sulphur in wool. III. An improved cuprous mercaptide method for the determination of cystine in material low in cystine. . . . .	14	461
Studies on wool grease and suint. I. The refractive index of wool grease. . . .	24	355
<b>Rossouw, S.D. &amp; Bosman, V.</b>		
The cystine content of Merino wool in relation to its physical attributes. . . .	13	237
<b>Rossouw, S.D. &amp; Wilken-Jorden, T.J.</b>		
Studies on the origin of the sulphur in wool. I. A study of the Sullivan technique for cystine. . . . .	2	361
Studies on the origin of sulphur in wool. II. A cuprous mercaptide method for the determination of cystine or cysteine. . . . .	4	453
<b>Roux, L.L.</b>		
Rearing Dairy calves. . . . .	4	495
Sex physiology in sheep. . . . .	6	465
<b>Roux, L.L., Murray, G.N. &amp; Schutte, D.J.</b>		
The effect of type of feed on the solids-not-fat content of milk. . . . .	4	167
<b>Roux, L.L. &amp; Quinlan, J.</b>		
Researches into sterility of cows in South Africa. The influence of (i) dry rations, (ii) lack of exercise, (iii) lack of sunlight on reproduction in beef heifers and cows. . . . .	6	719
<b>Roux, L.L., Quinlan, J. &amp; Maré, G.S.</b>		
A study of the duration of motility of spermatozoa in the different divisions of the reproductive tract of the Merino ewe. . . . .	1	135
<b>Roux, L.L., van Aswegen, W.G., de Lange, M. &amp; Quinlan, J.B.</b>		
A note on the results of an attempt to fertilise native goat-ewes with sheep rams. . . . .	17	115
Researches into sterility of cows in South Africa. The influence of (i) dry rations, (ii) lack of exercise, and (iii) lack of sunlight, on reproduction of beef heifers and cows. . . . .	23	269
<b>Roux, L.L., van Aswegen, W.G. &amp; Quinlan, J.B.</b>		
Researches into sterility of cows in South Africa. The influence of (1) dry rations and (2) lack of exercise on sexual maturity and the duration of the ovarian cycle in beef heifers. . . . .	12	233
<b>Roux, L.L. &amp; van Rensburg, C.T.</b>		
Crossbred lambs under Eastern Transvaal conditions. . . . .	5	309
<b>Salisbury, Lois, E.</b>		
Ticks in the South African Zoological Survey collection. Part X. <i>Rhipicephalus muhlensi</i> . . . . .	28	125
<b>Salisbury, Lois, E. &amp; Theiler, Gertrud.</b>		
Zoological Survey of the Union of South Africa. Tick Survey : Part X. - Distribution of <i>Margaropus winthemi</i> , the winter horse tick. . . . .	27	599
Zoological Survey of the Union of South Africa. Tick survey : Part XI. - Distribution of <i>Otobius megnini</i> , the spinose ear tick. . . . .	27	605
Ticks in the South African Zoological Survey collection. Part IX. - The <i>Amblyomma marmoreum</i> group. . . . .	28	47
<b>Sapiro, M.L.</b>		
The alkaloids of <i>Senecio bupleuroides</i> . . . . .	22	291
Studies on the photosensitization of animals in South Africa. XII. An attempt to identify the icterogenic factor in geeldikkop; the reaction of nitrous acid on chlorophyll. . . . .	24	105

<b>Sapiro, M.L., Hoflund, S., Clark, R. &amp; Quin, J.I.</b>		
Studies on the alimentary tract of the Merino sheep in South Africa. XVI. The fate of nitrate in ruminal ingesta as studied <i>in vitro</i> . . . . .	22	357
<b>Sapiro, M.L. &amp; Rindl, M.</b>		
A chemical investigation of the constituents of <i>Nicotiana glauca</i> R. Grah. (Solanaceae) (Wild tobacco). . . . .	22	301
<b>Scheuber, J.R.</b>		
Some remarks on blackquarter vaccines. . . . .	19	17
<b>Scheuber, J.R. &amp; Mason, J.H.</b>		
The production of immunity to <i>Cl. chauvoei</i> . . . . .	7	143
<b>Schulz, K.C.A.</b>		
A rickettsiosis new to South Africa. . . . .	13	287
<b>Schulz, K., Thomas, A.D. &amp; Clark, R.</b>		
A method for preparing sections of bone without decalcification. . . . .	15	295
<b>Schulz, K.C.A., Thomas, A.D. &amp; Kellerman, J.H.</b>		
Paresis in pigs in relation to nutritional deficiencies. . . . .	18	225
<b>Schulz, K.C.A., v.d. Merwe, P.K., van Rensburg, P.J.J. &amp; Swart, J.S.</b>		
Studies in demyelinating diseases of sheep associated with copper deficiency I. "Lamkruis" a demyelinating disease of lambs occurring in South Africa. II. A biochemical investigation on the incidence of "Lamkruis" in lambs in the Saldana Bay, Vredenburg, and St. Helena Bay environs. III. Experimental studies, treatment and control measures. . . . .	25	(2) 35
<b>Schutte, D.J.</b>		
Factors affecting the growth of range cattle in semi-arid regions. . . . .	5	535
<b>Schutte, D.J., du Plessis, J.A. &amp; Murray, G.N.</b>		
The effect of barley, millet ( <i>'n Yati--Pennisetum</i> sp.) and lucerne meal in bacon production. . . . .	1	595
<b>Schutte, D.J., Murray, G.N. &amp; Roux, L.L.</b>		
The effect of type of feed on the solids-not-fat content of milk. . . . .	4	167
<b>Serfontein, W.J. &amp; Weyland, H.</b>		
A laboratory scale apparatus for the continuous culture of micro-organisms with automatic pH control. . . . .	28	39
<b>Shone, D.K., Haig, D.A. &amp; McKercher, D.G.</b>		
The use of tissue culture propagated bluetongue virus for complement fixation studies on sheep sera. . . . .	27	179
<b>Sion, J.J.G.</b>		
Contributions to the study of blood constituents in domestic animals in South Africa. 5. The dog: normal values for red cell counts, haemoglobin, blood sugar and blood urea nitrogen and a practical statistical method for evaluating such data. . . . .	33	353
<b>Smit, J.D.</b>		
<i>Capillaria hepatica</i> infestation in a dog. . . . .	28	473
<b>Smuts, D.B.</b>		
Protein studies. Plant protein. I. A comparative study of the growth promoting properties of the proteins of peanut meal, sesame meal, copra meal, lucerne meal and cottonseed meal. . . . .	10	193
<b>Smuts, D.B. &amp; du Toit, B.A.</b>		
The endogenous nitrogen metabolism of pigs with special reference to the maintenance protein requirement. . . . .	16	169

The nutritive value of animal proteins. - The biological values of fish meal, whale and fish meal, meat meal, meat and bone meal, crayfish meal and white fish meal. . . . .	16	191
<b>Smuts, D.B., du Toit, B.A. &amp; v.d. Wath, J.G.</b>		
A study on the possibility of cystine synthesis in the rumen of sheep together with the effect of cystine supplementation on the nitrogen utilization of lucerne in young stock. . . . .	16	181
<b>Smuts, D.B. &amp; Malan, A.I.</b>		
Protein studies. Plant protein 2. The biological values of lucerne meal, sesame meal, peanut meal, copra meal, cottonseed meal and oatmeal. . . . .	10	207
<b>Smuts, D.B., Malan, A.I. &amp; du Toit, P.J.</b>		
Studies in mineral metabolism. XXXVI. Fluorine metabolism in rats and bovines. . . . .	8	359
<b>Smuts, D.B. &amp; Marais, J.S.C.</b>		
The endogenous nitrogen metabolism of sheep with special reference to the maintenance requirement of protein. . . . .	11	131
The basal metabolism of 3 to 4 weeks old White Leghorn chickens. . . . .	11	145
Plant proteins. III. The supplementary effect amongst certain plant proteins. . . . .	11	151
Plant proteins. IV. The biological values of soya beans, linseed meal, and soya beans supplemented by cystine. . . . .	11	391
Plant proteins. V. The biological value of lucerne and lucerne supplemented by cystine in sheep. . . . .	11	399
Plant proteins. VI. The amino acid deficiencies in certain plant proteins. . . . .	11	407
The effect of supplementing lucerne with cystine and methionine on the growth of rats. . . . .	12	369
The endogenous nitrogen metabolism of young sheep with reference to the estimation of the maintenance requirement of sheep. . . . .	13	219
The biological value of white fish meal as determined on growing sheep and rats. . . . .	13	361
Further studies on the amino acid deficiencies of plant proteins. . . . .	14	587
The dry matter consumption of sheep on natural grazing in the Transvaal. . . . .	14	403
The utilization by sheep of the proteins contained in the natural grazing during different seasons of the year. . . . .	14	415
Supplementation of winter grazing in the Transvaal with special reference to the maintenance protein requirements of sheep. . . . .	15	187
The biological value of the proteins of maize supplemented with lysine and tryptophane. . . . .	15	197
The biological values of the proteins of oats, barley, wheatbran and pollard. . . . .	15	205
The amino acid deficiencies of certain plant proteins and supplementary effect between plant proteins as measured by means of their biological values. . . . .	15	225
<b>Smuts, D.B., Marais, J.S.C. &amp; Bonsma, J.C.</b>		
The utilization of the protein of Somerset beans by rats and sheep. . . . .	15	211
<b>Snyders, A.J., Horak, I.G. &amp; Reinecke, R.K.</b>		
A modification of standard procedures for evaluating the relative efficacy of anthelmintics. . . . .	29	241
<b>Snyman, P.S.</b>		
The study and control of the vectors of rabies in South Africa. . . . .	15	9
<b>Stampa, S.</b>		
Tick paralysis in the Karoo areas of South Africa. . . . .	28	169

<b>Stampa, S. &amp; Fiedler, O.G.H.</b>		
New species of sucking lice from South African game. . . . .	27	55
Studies on sucking lice of African mammals. Part 1. - Revision of certain doubtful <i>Linognathus</i> species. . . . .	27	583
<b>Stampa, S., Fiedler, O.G.H., &amp; du Toit, R.M.</b>		
The protection of sheep against blowfly strike. V. The duration of protection of certain insecticides under field conditions. . . . .	27	549
<b>Starke, N.C.</b>		
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. . . . .	22	415
<b>Stephan, S.A.R. &amp; Kaschula, V.R.</b>		
Mites, hitherto unrecorded in South Africa collected in Natal from fowls, pigeons, turkeys, guinea-fowls, wild birds and rabbits. . . . .	22	51
<b>Sterne, M.</b>		
Variation in <i>Bacillus anthracis</i> . . . . .	8	271
The effects of different carbon dioxide concentrations on the growth of virulent anthrax strains. Pathogenicity and immunity tests on guinea pigs and sheep with anthrax variants derived from virulent strains. . . . .	9	49
Variation in colony form of the anthrax bacillus. . . . .	10	245
The use of anthrax vaccines prepared from avirulent (uncapsulated) variants of <i>Bacillus anthracis</i> . . . . .	13	307
The immunization of laboratory animals against anthrax. . . . .	13	313
Avirulent anthrax vaccine. . . . .	21	41
The effect of inflammation on the survival of guinea pigs infected with anthrax. . . . .	23	157
The effect of inflammation on the development of immunity to anthrax in guinea pigs. . . . .	23	165
A note on the staining of bacterial capsules. . . . .	25	(4) 51
<b>Sterne, M. &amp; Robinson, E.M.</b>		
The preparation of anthrax spore vaccines (for cattle and sheep) in South Africa. . . . .	12	9
<b>Sterne, M., Robinson, E.M. &amp; Nicol, J.</b>		
The use of saponin spore vaccine for inoculation against anthrax in South Africa. . . . .	12	279
<b>Steyn, D.G.</b>		
Plant poisoning in stock and the development of tolerance. . . . .	1	149
The toxicity of sodium chlorate. . . . .	1	157
<i>Lathyrus sativus</i> , L. (chickling vetch, khesari, Indian pea) as a stock food. . . . .	1	163
Recent investigations into known and unknown poisonous plants in the Union of South Africa. . . . .	1	173
Fungi in relation to health in man and animal. . . . .	1	183
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. . . . .	3	125
The toxicology of plants in South Africa. . . . .	3	395
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. . . . .	4	399
Plant poisoning of stock and the development of tolerance. . . . .	4	417
The detection of strychnine in carcasses and corpses. . . . .	5	139
The toxicity of pumpkin seed ( <i>Cucurbita pepo</i> L.) . . . . .	5	441

The toxicity of trypan blue. . . . .	5	467
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. . . . .	7	169
Experiments with plants alleged to be used as abortifacients and ecbolics by natives. . . . .	9	107
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. VII. . . . .	9	111
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. . . . .	9	573
The toxicity of oil of turpentine for domestic animals. . . . .	9	591
The detection of strychnine in carcasses and corpses. . . . .	10	411
Alkali poisoning. . . . .	13	347
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa, XVI. . . . .	24	53
<b>Steyn, D.G. &amp; Bekker, P.M.</b>		
The toxicity of some dipping fluids containing arsenic and sulphur. . . . .	11	247
<b>Steyn, D.G. &amp; Reinach, N.</b>		
Water poisoning in man and animal together with a discussion on urinary calculi. . . . .	12	167
<b>Steyn, D.G. &amp; Rimington, C.</b>		
<i>Psilocaulon absimile</i> , N.E. Br. as a stock poison. I. Determination of oxalic, malic, tartaric acids, etc. . . . .	1	439
The occurrence of cyanogenetic glucosides in South African species of <i>Acacia</i> I. . . . .	4	51
Note upon the isolation of the toxic principle from a species of <i>Dimorphotheca</i> , probably <i>Dimorphotheca fruticosa</i> . . . . .	5	79
<b>Steyn, D.G., Rimington, C. &amp; Roets, G.C.S.</b>		
Chemical studies upon the vermeerbos <i>Geigeria aspera</i> , Harv. II. Isolation of the active principle, Vermeeric acid. . . . .	7	507
<b>Steyn, D.G. &amp; van der Walt, S.J.</b>		
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. . . . .	12	353
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. . . . .	15	261
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. . . . .	16	121
The hydrocyanic acid content of <i>Cynodon plectostachyum</i> Pilger (Giant star grass) and its suitability as a pasture grass. . . . .	17	191
Poisoning by voided urine. . . . .	17	201
Poisoning by spent calcium carbide. . . . .	17	207
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. XII. . . . .	17	221
Recent investigations into the toxicity of plants etc. XIII . . . . .	18	207
Recent investigations into the toxicity of plants, etc. No. XV. . . . .	21	45
<b>Steyn, H.P. &amp; Cloete, J.H.L.</b>		
Anatomical studies. No. 63. An abnormal bovine heart. . . . .	14	481
<b>Steyn, H.P., de Vos, D. &amp; Quinlan, J.B.</b>		
Sex physiology of sheep. Studies on the nature of the onset of oestrus in ewes following a period of sexual inactivity. . . . .	16	243

Observations on artificial insemination of sheep with fresh and stored semen. . . . .	16	263
<b>Steyn, H.P., Laurence, G.B., Bisschop, J.H.R. &amp; Malan, A.I.</b>		
On the feeding of a phosphorus supplement to motherreared calves, prior to weaning, under open range conditions in Bechuanaland. . . . .	13	321
<b>Steyn, H.P. &amp; Quinlan, J.</b>		
The influence of oophorectomy on the performance of Greyhound bitches. . . . .	15	281
<b>Steyn, H.P., Quinlan, J.B. &amp; van Rensburg, S.W.J.</b>		
The oestrus cycle of the mare when maintained under stabled conditions with restricted exercise at Onderstepoort. . . . .	25	(1) 105
<b>Sutton, G.D. &amp; Marais, I.P.</b>		
Anatomical studies. No. 47. Pervious urachus in a bull calf. . . . .	3	251
<b>Swart, J.S., Schulz, K.C.A., van der Merwe, P.K. &amp; van Rensburg, P.J.J.</b>		
Studies in demyelinating diseases of sheep associated with copper deficiency I. "Lamkruis" a demyelinating disease of lambs occurring in South Africa. II. A biochemical investigation on the incidence of "Lamkruis" in lambs in the Saldana Bay, Vredenburg and St. Helena Bay environs. III. Experimental studies, treatment and control measures. . . . .	25	(2) 35
<b>Swart, P.J.</b>		
The identity of so-called <i>Paramphistomum cervi</i> and <i>P. explanatum</i> two common species of ruminant trematodes in South Africa. . . . .	26	463
<i>Nilocotyle hepaticae</i> n. sp. from <i>Hippopotamus amphibius</i> . . . . .	28	551
A redescription of <i>Nilocotyle (Nilocotyle) braesphinctris</i> Näsmark, 1937 (Trematoda: Paramphistomidae) from <i>Hippopotamus amphibius</i> . . . . .	33	73
A study of the epidermal structures of the miracidia of <i>Calicophoron calicophorum</i> (Fischoeder, 1901) Näsmark, 1937 and <i>Paramphistomum microbothrium</i> (Fischoeder, 1901). . . . .	34	129
<b>Swart, P.J. &amp; Reinecke, R.K.</b>		
Studies on paramphistomiasis. I. The propagation of <i>Bulinus tropicus</i> Krauss 1848. . . . .	29	183
<b>Theiler, A., du Toit, P.J. &amp; Malan, A.I.</b>		
Studies in mineral metabolism. XXXVII. The influence of variations in the dietary phosphorus and in the Ca : P ratio on the production of rickets in cattle. . . . .	8	375
Studies in mineral metabolism. XXXVIII. Calcium and phosphorus in the nutrition of growing pigs. . . . .	9	127
<b>Theiler, Gertrud.</b>		
Ticks in the South African Zoological Survey collection. Part I. <i>Ixodes alluaudi</i> Neumann 1913, a primitive tick parasitic on shrews. . . . .	17	51
Ticks in the South African Zoological Survey collection. Part II. . . . .	18	85
Ticks in the South African Zoological Survey collection. Part III. The ornate aponommas. . . . .	20	165
Ticks in the South African Zoological Survey collection. Part IV. The inornate aponommas. . . . .	20	179
Ticks in the South African Zoological Survey collection. Part V. Three African haemaphysalids parasitic on domestic stock. . . . .	20	191
Ticks in the South African Zoological Survey collection. Part VI. Little known African rhipicephalids. . . . .	21	253

Zoological Survey of the Union of South Africa: Tick Survey. Part II. Distribution of <i>Boophilus (Palpoboophilus) decoloratus</i> the blue tick. . . . .	22	255
Zoological survey of the Union of South Africa : Tick Survey. Part III. Distribution of <i>Rhipicephalus appendiculatus</i> the brown tick. . . . .	22	269
Zoological Survey of the Union of South Africa. Tick Survey, Part 1. <i>Amblyomma hebraeum</i> . . . . .	23	217
Zoological Survey of the Union of South Africa. Part 4. Distribution of <i>Rhipicephalus capensis</i> . . . . .	24	7
Zoological Survey of the Union of South Africa. Part. 5. Distribution of <i>Rhipicephalus evertsi</i> , the red tick. . . . .	24	33
Zoological Survey of the Union of South Africa. Part 6. Tick Survey. Distribution of the Ixodids. <i>I. pilosus</i> and <i>I. rubicundus</i> . . . . .	24	37
Zoological Survey of the Union of South Africa. Tick Survey. Part IX. The distribution of the three South African Hyalommas or bontpoets. . . . .	27	239
Ticks in the South African Zoological Survey collection. Part XI. <i>Ornithodoros eboris</i> n. sp. . . . .	28	145
<b>Theiler, Gertrud &amp; Robinson, Britha, N.</b>		
Zoological Survey of the Union of South Africa. Tick survey. Part VII. Distribution of <i>Haemaphysalis leachi</i> the yellow dog tick. . . . .	26	83
Ticks in the South African Zoological Survey collection. Part VII. - Six lesser known African Rhipicephalids. . . . .	26	93
Tick survey VIII - Check lists of ticks recorded from the Belgian Congo and Ruanda Urundi, from Angola and from Northern Rhodesia. . . . .	26	447
<b>Theiler, Gertrud &amp; Salisbury, Lois, E.</b>		
Zoological Survey of the Union of South Africa. Tick Survey. Part X - Distribution of <i>Margaropus winthemi</i> , the winter horse tick. . . . .	27	599
Zoological Survey of the Union of South Africa. Tick Survey. Part XI - Distribution of <i>Otobius megnini</i> , the spinose ear tick. . . . .	27	605
Ticks in the South African Zoological Survey collection. Part IX. The <i>Amblyomma marmoreum</i> group. . . . .	28	47
<b>Theiler, Gertrud, Walker, J.B. (Miss) &amp; Wiley, A.J.</b>		
Ticks in the South African Zoological Survey collection. Part VIII. Two East African ticks. . . . .	27	83
<b>Thiel, A.R. &amp; Curson, H.H.</b>		
Anatomical studies. No. 38. On a urethral diverticulum in a kid. . . . .	1	633
<b>Thomas, A.D., Clark, R. &amp; Schulz, K.</b>		
A method for preparing sections of bone without decalcification. . . . .	15	295
<b>Thomas, A.D., du Toit, B.A. &amp; Groenewald, J.W.</b>		
Experimental osteodystrophic diseases in goats. . . . .	15	299
<b>Thomas, A.D. Kellermann, J.H. &amp; Schulz, K.C.A.</b>		
Paresis in pigs in relation to nutritional deficiencies. . . . .	18	225
<b>Thomas, A.D. &amp; Neitz, W.O.</b>		
Rabies in South Africa. Occurrence and distribution of cases during 1932. . . . .	1	51
Rabies in South Africa. Occurrence and distribution of cases during 1933. . . . .	3	335
Further observations on the pathology of bluetongue in sheep. . . . .	22	27
<i>Cytauxzoon sylvicapra</i> gen. nov., spec. nov., a protozoon responsible for a hitherto undescribed disease in the duiker ( <i>Sylvicapra grimmii</i> Linne). . . . .	23	63
<b>Thomas, A.D. &amp; Reid, N.R.</b>		
Rinderpest in game. A description of an outbreak and an attempt at limiting its spread by means of a bush fence. . . . .	20	7



<b>Thomas, A.D. &amp; van der Wath, G.J.</b>		
Bone biopsy as an aid to the study and diagnosis of deficiency diseases. . . . .	8	431
<b>Thorburn, J.A.</b>		
Chase Valley disease. <i>Cestrum laevigatum</i> Schlecht. (inkberry plant), its toxic effects on ruminants. . . . .	2	667
<b>Thorburn, J.A. &amp; van Rensburg, S.W.J.</b>		
Treatment and control of chronic streptococcus mastitis in bovines; results obtained in two herds (1944). . . . .	17	7
<b>Thornton, R.W. &amp; Curson, H.H.</b>		
A contribution to the study of African Native cattle. . . . .	7	613
<b>Tiedt, J. &amp; de Waal, H.L.</b>		
The <i>Senecio</i> alkaloids, Part 4. Platyphylline, the active principle of <i>Senecio adnatus</i> D.C. . . . .	15	251
<b>Truter, G.J.</b>		
Notes on the thiocyanate iron reaction. A modified procedure for the quantitative determination of iron in biological materials. . . . .	21	305
<b>Truter, G.J. &amp; Louw, J.G.</b>		
The nutritive value of South African feeding stuffs. III. Digestive nutrients and metabolisable energy content of a mixture (1:1) of lucerne hay and yellow maize at different planes of intake for sheep. . . . .	24	57
Defluorination of aqueous solutions of superphosphate for use in animal nutrition. . . . .	25	(3) 93
<b>Van Aswegen, W.G., de Lange, M., Quinlan, J.B. &amp; Roux, L.L.</b>		
A note on the results of an attempt to fertilise native goat ewes with sheep rams. . . . .	17	115
Researches into sterility of cows in South Africa. The influence of (i) dry rations, (ii) lack of exercise and (iii) lack of sunlight on reproduction of beef heifers and cows. . . . .	23	269
<b>Van der Merwe, J.L. de B., Basson, P.A. &amp; Pienaar, J.G.</b>		
Studies on the pathology of heartwater [ <i>Cowdria (Rickettsia) ruminantium</i> , Cowdry, 1926]. I. Neuropathological changes. . . . .	33	115
<b>Van der Merwe, P.K.</b>		
The significance of fluorine traces in natural waters and a proposed method to effect their removal. . . . .	14	335
A procedure for the micro determination of fluorine. . . . .	14	359
The recovery of potassium carbonate from wool scouring liquor and the conversion of the recovered potassium carbonate to commercial potassium sulphate, using naturally occurring gypsum as sulphate source. . . . .	18	321
<b>Van der Merwe, P.K., van Rensburg, P.J.J., Swart, J.S. &amp; Schulz, K.C.A.</b>		
Studies in demyelinating diseases of sheep associated with copper deficiency. I. "Lamkruis", a demyelinating disease of lambs occurring in South Africa. II. A biochemical investigation on the incidence of "lamkruis" in lambs in the Saldana Bay, Vredenburg, and St. Helena Bay environs. III. Experimental studies, treatment and control measures. . . . .	25	(2) 35
<b>Van der Reyden, D.</b>		
Curve fitting by the orthogonal polynomials of least squares. . . . .	18	355
<b>Van der Walt, S.J.</b>		
Anatomical studies. No. 55. A mummified bovine foetus. . . . .	3	237
Anatomical studies. No. 56. Monophthalmos in a horse. . . . .	4	577
Some aspects of the toxicology of hydrocyanic acid in ruminants. . . . .	19	79

Recent investigations into the toxicity of plants, etc., in the Union of South Africa. . . . .	20	75
<b>Van der Walt, S.J. &amp; de Boom, H.P.A.</b>		
Anatomical studies. No. 42. Polydactylism in a pig. . . . .	3	237
<b>Van der Walt, S.J., &amp; Steyn, D.G.</b>		
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. . . . .	12	353
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. . . . .	15	261
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. XI. . . . .	16	121
The hydrocyanic acid content of <i>Cynodon plectostachyum</i> Pilger (giant star grass) and its suitability as a pasture grass. . . . .	17	191
Poisoning by voided urine. . . . .	17	201
Poisoning by spent calcium carbide. . . . .	17	207
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. XII. . . . .	17	221
Recent investigations into the toxicity of plants etc. XIII. . . . .	18	207
Recent investigations into the toxicity of plants etc. No. XV. . . . .	21	45
<b>Van der Wath, J.G.</b>		
Studies on the alimentary tract of Merino sheep, in South Africa. XI. Digestion and synthesis of starch by ruminal bacteria. . . . .	23	367
Studies on the alimentary tract of Merino sheep in South Africa. XII. A technique for the counting of ruminal bacteria. . . . .	23	385
<b>Van der Wath, J.G. &amp; Louw, J.G.</b>		
The influence of varying maize supplements on the digestibility of the cellulose in a poor veld hay in relation to the bacterial population of the rumen of sheep with a note on the nitrogen metabolism. . . . .	18	177
<b>Van der Wath, J.G. &amp; Myburgh, S.J.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. VI. The role of infusoria in ruminal digestion with some remarks on ruminal bacteria. . . . .	17	61
<b>Van der Wath, J.G., &amp; Quin, J.I.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. V. The motility of the rumen under various conditions. . . . .	11	361
The effects of diethylstilboestrol and pregnant mare serum on the oestrous cycle of Merino ewes. . . . .	18	139
<b>Van der Wath, J.G., Quin, J.I. &amp; Myburgh, S.</b>		
Studies on the alimentary tract of Merino sheep in South Africa. IV. Description of experimental technique. . . . .	11	341
<b>Van der Wath, J.G., Smuts, D.B. &amp; du Toit, B.A.</b>		
A study on the possibility of cystine synthesis in the rumen of sheep together with the effect of cystine supplementation on the nitrogen utilization of lucerne in young stock. . . . .	16	181
<b>Van der Wath, J.G. &amp; Thomas, A.D.</b>		
Bone biopsy as an aid to the study and diagnosis of deficiency diseases. . . . .	8	431
<b>Van der Westhuizen, B.</b>		
Studies on bovine ephemeral fever. I. Isolation and preliminary characterization of a virus from natural and experimentally produced cases of bovine ephemeral fever. . . . .	34	29

<b>Van der Westhuizen, G.C.A., Oxford, A.E., &amp; Quin, J.I.</b>			
Studies on the alimentary tract of Merino sheep in South Africa. XVII. On the identity of " <i>Schizosaccharomyces ovis</i> ", Part I. Some yeastlike organisms from the rumen contents of sheep fed on a lucerne diet. . . . .	24		119
<b>Van der Westhuizen, O.P.</b>			
A monograph of the helminth parasites of the elephant. . . . .	10		49
<b>Van Drimmelen, G.C.</b>			
The Brucella Ring Test for milk of individual cows and its value for determining their status of infection. . . . .	25	(1)	39
Artificial insemination of birds by the intraperitoneal route. - A study in sex physiology of pigeons, and fowls with reports upon a modified technique of semen collection and a new technique of insemination, and observations on the spermatozoa in the general organs of the fowl hen. . . . .		Suppl. No. 1	3
A rapid economical method for accurate determination of the percentage packed cells in a bacterial suspension. . . . .	25	(3)	39
Strain 19 Brucella vaccine - I. Production of vaccine by the shake flask technique. . . . .	27		205
Strain 19 Brucella vaccine - II. The preparation of freeze dried liver vaccine. . . . .	27		215
Strain 19 Brucella vaccine. V. Mass production in the Brucella Vortex Aerated Culture apparatus. . . . .	27		539
A urease test for characterizing brucella strains. . . . .	29		151
<b>Van Heerden, C.J., du Toit, R., Neitz, W.O., &amp; de Kock, G.</b>			
Bovine theileriasis in South Africa with special reference to <i>Theileria mutans</i> . . . . .	8		9-128
<b>Van Heerden, J.S., &amp; van Rensburg, S.W.J.</b>			
Infertility in mares caused by ovarian dysfunction. . . . .	26		285
<b>Van Heerden, K.M.</b>			
Investigation into the cause of abortion in Angora goats in South Africa. . . . .	30		23
<b>Van Manen, E. &amp; Rimington, C.</b>			
The enzymic activity of egg-white. Its bearing on the problem of watery-whites. . . . .	5		329
<b>Van Niekerk, C.H. &amp; Gerneke, W.H.</b>			
Persistence and parthenogenetic cleavage of tubal ova in the mare. . . . .	33		195
<b>Van Niekerk, C.H. &amp; Van Rensburg, S.J.</b>			
Ovarian function, follicular oestradiol-17 $\beta$ , and lut $\alpha$ l progesterone and 20 $\alpha$ hydroxy-pregn-4-en-3-one in cycling and pregnant equines. . . . .	35		301
<b>Van Niekerk, J.W., Bigalke, R.D., Basson, P.A. &amp; McCully, R.M.</b>			
Studies on the relationship between <i>Besnoitia</i> of blue wildebeest and impala and <i>Besnoitia besnoiti</i> of cattle. . . . .	34		7
<b>Van Niekerk, J.W., McCully, R.M. &amp; Basson, P.A.</b>			
The pathology of <i>Cordophilus sagittus</i> (v.Linstow, 1907) infestation in the kudu [ <i>Tragelaphus strepsiceros</i> (Pallas, 1766)], bushbuck [ <i>Tragelaphus scriptus</i> (Pallas, 1766)] and African buffalo [ <i>Syncerus caffer</i> (Sparrman, 1779)] in South Africa. . . . .	34		137
<b>Van Niekerk J.W., McCully, R.M., Basson, P.A. &amp; Bigalke, R.D.</b>			
Observations on <i>Besnoitia</i> cysts in the cardio-vascular system of some wild antelopes and domestic cattle. . . . .	33		245
<b>Van Niekerk, J.W., McCully, R.M. &amp; Kruger, S.P.</b>			
Observations on the pathology of bilharziasis and other parasitic infestations of <i>Hippopotamus amphibius</i> Linnaeus, 1758, from the Kruger National Park. . . . .	34		563

<b>Van Niekerk, P. le R.</b>		
Veterinary biochemical studies. 1. A rapid method for the determination of copper in biological material. . . . .	9	623
<b>Van Rensburg, C.T. &amp; Roux, L.L.</b>		
Crossbred lambs under Eastern Transvaal conditions. . . . .	5	309
<b>Van Rensburg, P.J.J., Swart, J.S., Schulz, K.C.A. &amp; van der Merwe, P.K.</b>		
Studies in demyelinating diseases of sheep associated with copper deficiency.		
– (I). “Lamkruis” a demyelinating disease of lambs occurring in South Africa. (II). A biochemical investigation on the incidence of “lamkruis” in lambs in the Saldana Bay, Vredenburg, and St. Helena Bay environs. (III). Experimental studies, treatment and control measures. . . . .	25	(2) 35
<b>Van Rensburg, S.J.</b>		
Ovum production: action of various gonadotrophins in sheep and goats. . . . .	31	97
<b>Van Rensburg, S.J. &amp; Cupps, P.T.</b>		
Alteration of reproductive function in the rat by cortisol acetate. . . . .	34	673
<b>Van Rensburg, S.J., Gray, R. &amp; Brown, J.M.M.</b>		
The urinary excretion of 5 $\beta$ -Pregnane-3 $\alpha$ : 20 $\alpha$ -diol and gestational failure in Angora goats. . . . .	30	179
<b>Van Rensburg, S.J. &amp; Van Niekerk, C.H.</b>		
Ovarian function, follicular oestradiol-17 $\beta$ , and luteal progesterone and 20 $\alpha$ -hydroxy-pregn-4 en-3-one in cycling and pregnant equines. . . . .	35	301
<b>Van Rensburg, S.J., van Rensburg, S.W.J. &amp; de Vos, W.H.</b>		
The significance of the cytoplasmic droplet in the disintegration of semen in Guernsey bulls. . . . .	33	169
<b>Van Rensburg, S.W.J.</b>		
Surfen C therapy in <i>Trypanosoma congolense</i> infection in bovines and ovines.	10	13
The diagnosis of chronic streptococcus mastitis. – Reaction, chlorine, methylene blue and Hotis tests, and microscopic examinations. . . . .	16	69
The secretion of abnormal milk by quarters free from known pathogens. . . . .	22	91
<b>Van Rensburg, S.W.J. &amp; de Vos, W.H.</b>		
Ovulatory failure in bovines. . . . .	29	55
The influence of excess fluorine intake in the drinking water on reproductive efficiency in bovines. . . . .	33	185
<b>Van Rensburg, S.W.J. &amp; Thorburn, J.A.</b>		
Treatment and control of chronic streptococcus mastitis in bovines; results obtained in two herds. . . . .	17	7
<b>Van Rensburg, S.W.J., Steyn, H.P. &amp; Quinlan, J.B.</b>		
The oestrous cycle of the mare when maintained under stabled conditions with restricted exercise at Onderstepoort. . . . .	25	(1) 105
<b>Van Rensburg, S.W.J. &amp; van Heerden, J.S.</b>		
Infertility in mares caused by ovarian dysfunction. . . . .	26	285
<b>Van Rensburg, S.W.J., van Rensburg, S.J. &amp; de Vos, W.H.</b>		
The significance of the cytoplasmic droplet in the disintegration of semen in Guernsey bulls. . . . .	33	169
<b>Van Rooy, P.J., Marais, J. &amp; Polson, A.</b>		
A photometric method for quantitative paper partition chromatography of amino acids. . . . .	25	(1) 31

<b>Van Rooy, P.J., Laurence, S.M., Dent, Joan &amp; Polson, A.</b>		
The stability of neurotropic African horsesickness virus in solution of different chemical compositions. . . . .	26	197
<b>Van Warmelo, K.T.</b>		
The fungus flora of stock feed in South Africa. . . . .	34	439
<b>Van Wyk, C.M.</b>		
Studies on the basic characteristics of South African Merino wool. III. Moisture adsorption. . . . .	15	333
Studies on the variation within the fleece of the characteristics of South African Merino wool. I. - Tensile strength. . . . .	17	311
Study of compressibility of wool with special reference to South African Merino wool. . . . .	21	99
<b>Van Wyk, C.M. &amp; Bosman, V.</b>		
Notes on the determination of the fibre fineness of a Merino wool staple. . . . .	13	401
Studies on the basic characteristics of South African Merino wool. IV. Scaliness. . . . .	16	543
<b>Van Wyk, C.M., Bosman, V. &amp; Waterston, E.</b>		
Studies on the basic characteristics of South African Merino wool. I. Breaking strength and tensile strength. . . . .	15	313
<b>Van Wyk, C.M., Botha, M.L. &amp; Bekker, J.G.</b>		
The effect of supplements of different forms of sulphur to the diet upon the wool of Merino sheep. . . . .	5	177
<b>Van Wyk, C.M., Botha, M.L. &amp; Malan, A.P.</b>		
Wool studies. I. The variation and interdependence of Merino fleece and fibre characteristics. . . . .	5	519
<b>Van Wyk, C.M., Malan, A.P., &amp; Carter, H.B.</b>		
Wool studies. III. The uniformity of a series of fibre thickness measurements on a small sample of medium Merino wool. . . . .	10	445
<b>Van Wyk, C.M., &amp; Nel, H.A.M.</b>		
Studies on the basic characteristics of South African Merino wool. II. Specific gravity. . . . .	15	325
<b>Van Zyl, Lulu C.</b>		
Contributions to the study of blood constituents in domestic animals in South Africa. 6. Normal values for serum protein fractions in sheep as obtained by electrophoresis on cellulose acetate strips. . . . .	34	633
<b>Veldsman, D.P.</b>		
Chemical investigation of <i>Pachystigma pygmaeum</i> Schlechter (gousiektebossie). . . . .	25	(4) 113
<b>Verster, Anna.</b>		
<i>Trichuris</i> species from South African rodents and a hyracid. . . . .	28	465
Review of <i>Echinococcus</i> species in South Africa. . . . .	32	7
<b>Verster, Anna &amp; Collins, Marie</b>		
The incidence of hydatidosis in the Republic of South Africa. . . . .	33	49
<b>Verwoerd, D.W., Els, H.J. &amp; Oellermann, R.A.</b>		
Purification and physico-chemical characterization of Echo-virus Type SA-I. . . . .	34	53
<b>Verwoerd, D.W., Howell, P.G. &amp; Oellermann, R.A.</b>		
Plaque formation by bluetongue virus. . . . .	34	317
<b>Verwoerd, D.W., Oellermann R.A., Broekman, J. &amp; Weiss, K.E.</b>		
The serological relationship of South African bovine enterovirus strains (Echo-SA-I and -II) and the growth characteristics in cell culture of the prototype strain (Echo SA-I). . . . .	34	41

<b>Viljoen, J.H.</b>		
The epizootiology of nematode parasites of sheep in the Karoo. . . . .	31	133
<b>Viljoen, N.F.</b>		
Cysticercosis in swine and bovines with special reference to South African conditions. . . . .	9	337
<b>Viljoen, N.F. &amp; de Bruin, J.H.</b>		
Anatomical studies. No. 59. On a false masculine hermaphrodite in an avian hybrid. . . . .	5	351
<b>Viljoen, W.C. &amp; Jackson, C.</b>		
Anatomical studies. No. 64. Anomalous course of the left phrenic nerve in a donkey. . . . .	14	489
<b>Wagner, Adriana M.</b>		
Contributions to the study of blood constituents in domestic animals in South Africa. 1. Normal values for methaemoglobin reductase, erythrocyte fragility, blood glutathione, plasma catalase, and the total erythrocyte pyridine nucleotides in sheep. . . . .	31	77
<b>Wagner, Adriana M. &amp; Brown, J.M.M.</b>		
Contributions to the study of blood constituents in domestic animals in South Africa. 2. Normal values for the activity of some enzymes of the Embden-Meyerhof pathway and tricarboxylic acid cycle occurring in the plasma of sheep. . . . .	33	325
Contributions to the study of blood constituents in domestic animals in South Africa. 3. Normal values for the activity of glyceraldehyde-phosphate dehydrogenase and glucose-6-phosphate dehydrogenase in the erythrocytes of sheep. . . . .	33	337
<b>Walker, J.B., Wiley, A.J. &amp; Theiler, Gertrud.</b>		
Ticks in the South African Zoological Survey collection. Part VIII. Two East African ticks. . . . .	27	83
<b>Waterston, E., van Wyk, C.M. &amp; Bosman, V.</b>		
Studies on the basic characteristics of South African Merino wool. I. Breaking strength and tensile strength. . . . .	15	313
<b>Weiss, K.E.</b>		
The significance of reflex salivation in relation to froth formation and acute bloat in ruminants. . . . .	26	241
Physiological studies on eructation in ruminants. . . . .	26	251
Studies on Rift Valley fever. Passive and active immunity in lambs. . . . .	29	3
<b>Weiss, K.E. &amp; Clark, R.</b>		
Studies on the comparative actions of carbamylcholine, physostigmine and neostigmine in different species of domestic animals. . . . .	26	485
<b>Weiss, K.E., Haig, D.A. &amp; Alexander, R.A.</b>		
Aureomycin in the treatment of heartwater. . . . .	25	(4) 41
Wesselsbron virus, a virus not previously described, associated with abortion in domestic animals. . . . .	27	183
<b>Weiss, K.E., Verwoerd, D.W., Oellermann, R.A. &amp; Broekman, J.</b>		
The serological relationship of South African bovine enterovirus strains (Eco SA-I and -II) and the growth characteristics in cell culture of the prototype strain (Eco SA-I). . . . .	34	41
<b>Wessels, J.J. &amp; Clark, R.</b>		
The influence of the nature of the diet and of starvation on the concentration curve of sulphanilamide in the blood of sheep after oral dosing. . . . .	25	(4) 75

<b>Weyland, H. &amp; Serfontein, W.J.</b>		
A laboratory scale apparatus for the continuous culture of micro-organisms with automatic pH control. . . . .	28	39
<b>Whitnall, A.B.M.</b>		
The trypanosome infection of <i>Glossina pallidipes</i> in the Umfolozi Game Reserve, Zululand. . . . .	2	7
<b>Whitnall, A.B.M. &amp; Harris, R.H.T.P.</b>		
The vegetable diet theory of <i>Glossina pallidipes</i> , . . . . .	2	101
<b>Wiley, A.J., Theiler, Gertrud &amp; Walker, J.B.</b>		
Ticks in the South African Zoological Survey collection. Part VIII. Two East African ticks. . . . .	27	83
<b>Wilken-Jorden, T.J.</b>		
Researches into dips and dipping. A. Lime-sulphur dips. Paper IV. Further studies on the colorimetric method as a rapid means of control of polysulphide. . . . .	2	231
<b>Wilken-Jorden, T.J. &amp; Bedford, G.A.H.</b>		
Researches into dips and dipping. A. Lime-sulphur dips. Paper V. The minimum effective concentration of lime-sulphur dips for sheep scab eradication. . . . .	2	239
Researches into dips and dipping. C. Miscellaneous. The effect of dosing aloes to tick infested cattle. . . . .	2	267
<b>Wilken-Jorden, T.J. &amp; Graf, H.</b>		
Chemical blood studies. II. The determination of urea in animal filtrates (laked and unlaked). . . . .	1	279
<b>Wilken-Jorden, T.J. &amp; Hambrock, H.A.</b>		
Researches into dips and dipping. D. Effect of dips on wool. Paper I. The effect of arsenical dips on wool. . . . .	2	271
<b>Wilken-Jorden, T.J., Graf, H., &amp; Hambrock, H.A.</b>		
Researches into dips and dipping. A. Lime-sulphur dips. Paper VI. A survey of the behaviour of lime-sulphur dips under field conditions. . . . .	2	243
<b>Wilken-Jorden, T.J. &amp; Rossouw, S.D.</b>		
Studies on the origin of sulphur in wool. I. A study of the Sullivan technique for cystine. . . . .	2	361
Studies on the origin of sulphur in Wool. II. A cuprous mercaptide method for the determination of cystine or cysteine. . . . .	4	453
<b>Wilson-Jones, G., Groenewald, J.W. &amp; Quinlan, J.B.</b>		
The Onderstepoort small animal colony. . . . .	26	149
<b>Worthington, R.W.</b>		
Mycobacterial PPD sensitins and the non-specific reactor problem. . . . .	34	345