

## AUTHOR INDEX

	Volume	Page
<b>Alves, Regina M. R.</b>		
Two field strains of <i>Haemonchus contortus</i> resistant to rafoxanide. J. A. VAN WYK, F. S. MALAN, H. M. GERBER and REGINA M. R. ALVES .....	54	143-146
<b>Ambrosio, R. E.</b>		
The genome of <i>Anaplasma</i> : DNA base composition and DNA/DNA hybridization. R. E. AMBROSIO and F. T. POTGIETER....	54	63-65
The construction of genome libraries of <i>Cowdria ruminantium</i> in an expression vector, $\lambda$ gt 11. R. E. AMBROSIO, J. L. DU PLESSIS and J. D. BEZUIDENHOUT .....	54	225-256
DNA probes for the detection of <i>Anaplasma centrale</i> and <i>Anaplasma marginale</i> . ELIZABETH S. VISSER and R. E. AMBROSIO	54	623-627
<b>Anderson, L. A. P.</b>		
Cardiac glycoside poisoning in sheep caused by <i>Urginea physodes</i> (Jacq.) Bak. and the isolated physodine. A. P. W. NEL, R. ANITRA SCHULTZ, P. JORDAAN, L. A. P. ANDERSON, T. S. KELLERMAN and CLARE REID.....	54	641-644
Experimental evidence that the active principle of the poisonous plant <i>Thesium lineatum</i> L.f. (Santalaceae) is a bufadienolide. L. A. P. ANDERSON, J. P. J. JOUBERT, R. ANITRA SCHULTZ, T. S. KELLERMAN and BARENDINA J. PIENAAR.....	54	645-650
<b>Badenhorst, J. V.</b>		
The efficacy of alternative routes for the infection or vaccination of animals with <i>Cowdria ruminantium</i> . J. D. BEZUIDENHOUT, J. A. OLIVIER, B. GRUSS and J. V. BADENHORST .....	54	497-506
<b>Barham, W. T.</b>		
The use of electronarcosis as anaesthetic in the cichlid, <i>Oreochromis mossambicus</i> (Peters). I. General experimental procedures and the role of fish length on the narcotizing effects of electric currents. W. T. BARHAM, H. J. SCHOONBEE and J. G. J. VISSER .....	54	617-622
<b>Barnard, B. J. H.</b>		
Antibody response in cattle to oil emulsion rabies and ephemeral fever vaccines. C. M. CAMERON, B. J. H. BARNARD, ERNA ERASMUS and W. J. S. BOTHA.....	54	157-158
<b>Barnard, Marie-Luise</b>		
Resistance to various antibiotics of <i>Salmonella</i> and <i>Escherichia coli</i> isolated from registrable farm feeds. ANNETTE M. DURAND, MARIE-LUISE BARNARD, MARTHA L. SWANEPEOEL and MARIE M. ENGELBRECHT.....	54	21-26
<b>Barré, N.</b>		
Diagnosis of heartwater in the live animal: Experiences with goats in Guadeloupe. E. CAMUS and N. BARRÉ .....	54	291-294
Genetic resistance of Guadeloupe native goats to heartwater. G. MATHERON, N. BARRÉ, E. CAMUS and J. GOGUE .....	54	337-340
Danger of introducing heartwater onto the American mainland: Potential role of indigenous and exotic <i>Amblyomma</i> ticks. N. BARRÉ, G. UILENBERG, P. C. MOREL and E. CAMUS .....	54	405-417
Epidemiology of heartwater in Guadeloupe and in the Caribbean. E. CAMUS and N. BARRÉ .....	54	419-426
The reservoir status of goats recovered from heartwater. N. BARRÉ and E. CAMUS .....	54	435-457
<b>Bartkowiak, R. A.</b>		
Broiler pulmonary hypertension syndrome. I. Increased right ventricular mass in broilers experimentally infected with <i>Aegyptianella pullorum</i> . F. W. HUCHZERMAYER, J. A. CILLIERS, CELESTINA D. DIAZ LAVIGNE and R. A. BARTKOWIAK	54	113-114
<b>Bastianello, Stella S.</b>		
Pathological findings in a natural outbreak of aflatoxicosis in dogs. STELLA S. BASTIANELLO, J. W. NESBIT, M. C. WILLIAMS and A. LUCIA LANGE.....	54	635-640
<b>Bertschinger, H.</b>		
The clinical pathology and pathophysiology of heartwater. A review. S. R. VAN AMSTEL, A. J. GUTHRIE, F. REYERS, H. BERTSCHINGER, P. T. OBEREM, VALÉRIE M. KILLEEN and O. MATTHEE .....	54	287-290
<b>Bezuidenhout, J. D.</b>		
Ultrastructural features of <i>Cowdria ruminantium</i> in midgut epithelial cells and salivary glands for nymphal <i>Amblyomma hebraeum</i> . KATHERINE M. KOCAN, J. D. BEZUIDENHOUT and ALET HART .....	54	87-92
The historical background and global importance of heartwater. A. PROVOST and J. D. BEZUIDENHOUT.....	54	165-169
Morphology and development of <i>Cowdria ruminantium</i> in <i>Amblyomma</i> ticks. K. M. KOCAN and J. D. BEZUIDENHOUT .....	54	177-182
The present state of <i>Cowdria ruminantium</i> cultivation in cell lines. J. D. BEZUIDENHOUT .....	54	205-210
The construction of genomic libraries of <i>Cowdria ruminantium</i> in an expression vector, $\lambda$ gt 11. R. E. AMBROSIO, J. L. DU PLESSIS and J. D. BEZUIDENHOUT .....	54	255-256
Heartwater in hosts other than domestic ruminants. P. T. OBEREM and J. D. BEZUIDENHOUT.....	54	271-275
Natural transmission of heartwater. J. D. BEZUIDENHOUT.....	54	349-351
Rearing and infection techniques for <i>Amblyomma</i> species to be used in heartwater transmission experiments. I. H. HEYNE, E. G. R. ELLIOT and J. D. BEZUIDENHOUT .....	54	461-471
The production of heartwater vaccine. P. T. OBEREM and J. D. BEZUIDENHOUT .....	54	485-488
The efficacy of alternative routes for the infection or vaccination of animals with <i>Cowdria ruminantium</i> . J. D. BEZUIDENHOUT, J. A. OLIVIER, B. GRUSS and J. V. BADENHORST .....	54	497-506
The control of heartwater by means of tick control. J. D. BEZUIDENHOUT and R. D. BIGALKE.....	54	525-528
<b>Bigalke, R. D.</b>		
The control of heartwater by means of tick control. J. D. BEZUIDENHOUT and R. D. BIGALKE.....	54	525-528
Future prospects and goal setting regarding research on heartwater. R. D. BIGALKE .....	54	543-546
<b>Birnie, E. G.</b>		
Cross-immunity between isolates of <i>Cowdria ruminantium</i> . L. L. LOGAN, E. G. BIRNIE and C. A. MEBUS (Abstract only)....	54	345-345

<b>Boomker, J.</b>		
Parasites of South African wildlife. I. Helminths of bushbuck, <i>Tragelaphus scriptus</i> , and grey duiker, <i>Sylvicapra grimmia</i> , from the Weza State Forest, Natal. J. BOOMKER, M. E. KEEP and I. G. HORAK .....	54	131-134
<b>Bornman, L.</b>		
The development of an ELISA-assay for semi-quantitative detection of dihydrogriesenim, a sesquiterpene lactone from <i>Geigeria</i> . J. A. VERSCHOOR, L. BORNMAN and N. M. J. VERMEULEN .....	54	1-4
<b>Botha, W. J. S.</b>		
Antibody response in cattle to oil emulsion rabies and ephemeral fever vaccines. C. M. CAMERON, B. J. H. BARNARD, ERNA ERASMUS and W. J. S. BOTHA .....	54	157-158
<b>Braack, L. E. O.</b>		
Seasonal abundance of carrion-frequenting blow-flies (Diptera: Calliphoridae) in the Kruger National Park. L. E. O. BRAACK and V. DE VOS .....	54	591-597
<b>Brand, P. A. J.</b>		
Some features of coagulase positive staphylococci from bovine milk. II. Comparison of conventional techniques and the API staph system. J. A. ERASMUS, P. A. J. BRAND and MARION M. M. GALBRAITH .....	54	159-160
<b>Brett, O. L.</b>		
A rapid microtitration serum agglutination test for the detection of contagious equine metritis antibodies. B. GUMMOW, S. HERR and O. L. BRETT .....	54	97-98
<b>Burridge, M. J.</b>		
Distinctive staining of colonies of <i>Cowdria ruminantium</i> in midguts of <i>Amblyomma hebraeum</i> . C. E. YUNKER, K. M. KOCAN, R. A. I. NORVAL and M. J. BURRIDGE .....	54	183-185
<b>Cameron, C. M.</b>		
Antibody response in cattle to oil emulsion rabies and ephemeral fever vaccines. C. M. CAMERON, B. J. H. BARNARD, ERNA ERASMUS and W. J. S. BOTHA .....	54	157-158
<b>Camus, E.</b>		
Diagnosis of heartwater in the live animal: Experiences with goats in Guadeloupe. E. CAMUS and N. BARRÉ .....	54	291-294
Heartwater serology. Some problems with the interpretation of results. J. L. DU PLESSIS, E. CAMUS, P. T. OBEREM and LETITIA MALAN .....	54	327-329
Genetic resistance of Guadeloupe native goats to heartwater. G. MATHERON, N. BARRÉ, E. CAMUS and J. GOGUE .....	54	337-340
Danger of introducing heartwater onto the American mainland: Potential role of indigenous and exotic <i>Amblyomma</i> ticks. N. BARRÉ, G. UILENBERG, P. C. MOREL and E. CAMUS .....	54	405-417
Epidemiology of heartwater in Guadeloupe and in the Caribbean. E. CAMUS and N. BARRÉ .....	54	419-426
The reservoir status of goats recovered from heartwater. N. BARRÉ and E. CAMUS .....	54	435-437
<b>Carmichael, I. H.</b>		
Control of induced infestations of adult <i>Amblyomma hebraeum</i> with sustained release ivermectin. M. D. SOLL, I. H. CARMICHAEL and SHEILA J. GROSS .....	54	17-20
<b>Cilliers, J. A.</b>		
Broiler pulmonary hypertension syndrome. I. Increased right ventricular mass in broilers experimentally infected with <i>Aegyptianella pullorum</i> . F. W. HUCHZERMAYER, J. A. CILLIERS, CELESTINA D. DIAZ LAVIGNE and R. A. BARTKOWIAK .....	54	113-114
Broiler pulmonary hypertension syndrome. II. The direct measurement of right ventricular and pulmonary artery pressures in the closed chest domestic fowl. A. J. GUTHRIE, J. A. CILLIERS, F. W. HUCHZERMAYER and VALERIE M. KILLEEN .....	54	599-602
The isolation of a paramyxovirus from pigeons in South Africa. ANNA C. E. PIENAAR and J. A. CILLIERS .....	54	653-654
<b>Coetzee, Brigitte B.</b>		
The resistance spectrum shown by a fenvalerate-resistant strain of the blue tick ( <i>Boophilus decoloratus</i> ) to a range of ixodicides. BRIGETTE B. COETZEE, G. D. STANFORD and D. A. T. DAVIS .....	54	79-82
Resistance by the blue tick ( <i>Boophilus decoloratus</i> ) to the synthetic pyrethroid, fenvalerate. BRIGETTE B. COETZEE, G. D. STANFORD and D. A. T. DAVIS .....	54	83-86
<b>Collett, M. G.</b>		
Ovine hepatogenous photosensitivity caused by the plant <i>Nidorella foetida</i> (Thunb). DC. (Asteraceae). D. J. SCHNEIDER, JENNIFER R. GREEN and M. G. COLLETT .....	54	53-57
<b>Davis, D. A. T.</b>		
The resistance spectrum shown by a fenvalerate-resistant strain of the blue tick ( <i>Boophilus decoloratus</i> ) to a range of ixodicides. BRIGETTE B. COETZEE, G. D. STANFORD and D. A. T. DAVIS .....	54	79-82
Resistance by the blue tick ( <i>Boophilus decoloratus</i> ) to the synthetic pyrethroid, fenvalerate. BRIGETTE B. COETZEE, G. D. STANFORD and D. A. T. DAVIS .....	54	83-86
<b>De Lange, J. F.</b>		
Leptospirosis as a cause of "white spot" kidneys in South African pig abattoirs. PAMELA HUNTER, F. H. VAN DER VYVER, ANNE SELMER-OLSEN, MARYKE M. HENTON, S. HERR and J. F. DE LANGE .....	54	59-62
The isolaton of <i>Leptospira interrogans</i> serovar <i>pomona</i> and related serological findings associated with a mixed farming unit in the Transvaal. J. F. DE LANGE, B. GUMMOW, G. V. TURNER and A. R. REDMAN .....	54	119-121
<b>De Vos, V.</b>		
Some avian and mammalian hosts of <i>Amblyomma hebraeum</i> and <i>Amblyomma marmoreum</i> (Acari: Ixodidae). I. G. HORAK, K. M. DE F. MACÍVOR, T. N. PETNEY and V. DE VOS .....	54	397-403
Parasites of domestic and wild animals in South Africa. XXII. Ixodid ticks on domestic dogs and on wild carnivores. I. G. HORAK, AMY JACOT GUILLARMOD, L. C. MOOLMAN and V. DE VOS .....	54	573-580
Seasonal abundance of carrion-frequenting blow-flies (Diptera: Calliphoridae) in the Kruger National Park. L. E. O. BRAACK and V. DE VOS .....	54	591-597

<b>De Waal, D. T.</b>		
An investigation into the clinical pathological changes and serological response in horses experimentally infected with <i>Babesia equi</i> and <i>Babesia caballi</i> . D. T. DE WAAL, J. VAN HEERDEN and F. T. POTGIETER .....	54	561–568
The transstadial transmission of <i>Babesia caballi</i> by <i>Rhipicephalus evertsi evertsi</i> . D. T. DE WAAL and F. T. POTGIETER .....	54	655–656
<b>Diaz Lavigne, Celestina D.</b>		
Broiler pulmonary hypertension syndrome. 1. Increased right ventricular mass in broilers experimentally infected with <i>Aegyptianella pullorum</i> . F. W. HÜCHZERMAYER, J. A. CILLIERS, CELESTINA D. DIAZ LAVIGNE and R. A. BARTKOWIAK .....	54	113–114
<b>Du Plessis, J. L.</b>		
Heartwater. The development and life cycle of <i>Cowdria ruminantium</i> in the vertebrate host, ticks and cultured endothelial cells. L. PROZEKSY and J. L. DU PLESSIS .....	54	193–196
The construction of genomic libraries of <i>Cowdria ruminantium</i> in an expression vector, $\lambda$ gt 11. R. E. AMBROSIO, J. L. DU PLESSIS and J. D. BEZUIDENHOUT .....	54	255–256
The pathogenesis of heartwater. J. L. DU PLESSIS, LETITIA MALAN and Z. E. KOWALSKI .....	54	313–318
The application of the indirect fluorescent antibody test in research on heartwater. J. L. DU PLESSIS and LETITIA MALAN .....	54	319–325
Heartwater serology: Some problems with the interpretation of results. J. L. DU PLESSIS, E. CAMUS, P. T. OBEREM and LETITIA MALAN .....	54	327–529
The non-specific resistance of cattle to heartwater. J. L. DU PLESSIS and LETITIA MALAN .....	54	333–336
Problems with the interpretation of epidemiological data in heartwater: a study on 23 farms. J. L. DU PLESSIS and LETITIA MALAN .....	54	427–433
The block method of vaccination against heartwater. J. L. DU PLESSIS and LETITIA MALAN .....	54	493–495
<b>Durand, Annette M.</b>		
Resistance to various antibiotics of <i>Salmonella</i> and <i>Escherichia coli</i> isolated from registrable farm feeds. ANNETTE M. DURAND, MARIE LUISE BARNARD, MARTHA L. SWANEPOEL and MARIE M. ENGELBRECHT .....	54	21–26
<b>Elliot, E. G. R.</b>		
Rearing and infection techniques for <i>Amblyomma</i> species to be used in heartwater transmission experiments. I. H. HEYNE, E. G. R. ELLIOT and J. D. BEZUIDENHOUT .....	54	461–471
<b>Engelbrecht, Marie M.</b>		
Resistance to various antibiotics of <i>Salmonella</i> and <i>Escherichia coli</i> isolated from registrable farm feeds. ANNETTE M. DURAND, MARIE LUISE BARNARD, MARTHA L. SWANEPOEL and MARIE M. ENGELBRECHT .....	54	21–26
<b>Erasmus, Erna</b>		
Antibody response in cattle to oil emulsion rabies and ephemeral fever vaccines. C. M. CAMERON, B. J. H. BARNARD, ERNA ERASMUS and W. J. S. BOTHA .....	54	157–158
<b>Erasmus, J. A.</b>		
Some features of coagulase positive staphylococci from bovine milk. II. Comparison of conventional techniques and the API staph system. J. A. ERASMUS, P. A. J. BRAND and MARION M. M. GALBRAITH .....	54	159–160
<b>Fabian, B.</b>		
Antibiotic sensitivity of <i>Pasteurella haemolytica</i> isolated by means of a fiberoptic endoscope from cases of pneumonic pasteurellosis in cattle. S. R. VAN AMSTEL, MARYKE HENTON, M. A. WITCOMB, B. FABIAN and P. VERVOORT .....	54	551–552
<b>Fourie, L. J.</b>		
Some wild hosts of the Karoo paralysis tick, <i>Ixodes rubicundus</i> Neumann, 1904 (Acari: Ixodidae). I. G. HORAK, L. C. MOOLMAN and L. J. FOURIE .....	54	49–51
<b>Frank, F.</b>		
Parasites in sheep grazing on Kikuyu ( <i>Pennisetum clandestinum</i> ) pastures in the winter rainfall region. R. K. REINECKE, R. KIRKPATRICK, LYDIA SWART, ANNA M. D. KRIEL and F. FRANK .....	54	27–38
<b>Galbraith, Marion M. M.</b>		
Some features of coagulase positive staphylococci from bovine milk. II. Comparison of conventional techniques and the API staph system. J. A. ERASMUS, P. A. J. BRAND and MARION M. M. GALBRAITH .....	54	159–160
<b>Garnett, Helen M.</b>		
Production of a macrophage chemotactic factor by cultured jaagsiekte tumour cells. M. S. MYER, D. W. VERWOERD and HELEN M. GARNETT .....	54	9–15
Demonstration of growth-inhibitory as well as growth-stimulatory factors in medium conditioned by lung lavage cells stimulated with a chemotactic factor secreted by jaagsiekte tumour cells. M. S. MYER, D. W. VERWOERD and HELEN M. GARNETT .....	54	123–130
<b>Gerber, H. M.</b>		
Two field strains of <i>Haemonchus contortus</i> resistant to rafoxanide. J. A. VAN WYK, F. S. MALAN, H. M. GERBER and REGINA M. R. ALVES .....	54	143–146
<b>Gogue, J.</b>		
Genetic resistance of Guadeloupe native goats to heartwater. G. MATHERON, N. BARRÉ, E. CAMUS and J. GOGUE .....	54	337–340
<b>Gothe, R.</b>		
Tick pheromones. R. GOTHE .....	54	439–441
<b>Green, Jennifer R.</b>		
Ovine hepatogenous photosensitivity caused by the plant <i>Nidorella foetida</i> (Thunb). DC. (Asteraceae). D. J. SCHNEIDER, JENNIFER R. GREEN and M. G. COLLETT .....	54	53–57
<b>Gross, Sheila J.</b>		
Control of induced infestations of adult <i>Amblyomma hebraeum</i> with sustained release ivermectin. M. D. SOLL, I. H. CARMICHAEL and SHEILA J. GROSS .....	54	17–20
<b>Gruss, B.</b>		
The efficacy of alternative routes for the infection or vaccination of animals with <i>Cowdria ruminantium</i> . J. D. BEZUIDENHOUT, J. A. OLIVIER, B. GRUSS and J. V. BADENHORST .....	54	497–506

<b>Gummow, B.</b>		
A rapid microtitration serum agglutination test for the detection of contagious equine metritis antibodies. B. GUMMOW, S. HERR and O. L. BRETT.....	54	97-98
The isolation of <i>Leptospira interrogans</i> serovar <i>pomona</i> and related serological findings associated with a mixed farming unit in the Transvaal. J. F. DE LANGE, B. GUMMOW, G. V. TURNER and A. R. REDMAN.....	54	119-121
The incidence of <i>Coxiella burnetii</i> antibodies in cattle in the Transvaal. B. GUMMOW, N. POERSTAMPER and S. HERR.....	54	569-571
<b>Guthrie, A. J.</b>		
The clinical pathology and pathophysiology of heartwater. A review. S. R. VAN AMSTEL, A. J. GUTHRIE, F. REYERS, H. BERTSCHINGER, P. T. OBEREM, VALERIE M. KILLEEN and O. MATTHEE.....	54	287-290
<b>Hamel, H. D.</b>		
The use of flumethrin 1 % pour-on for the control of <i>Amblyomma</i> spp. in various southern African countries. H. D. HAMEL	54	521-524
<b>Hamilton-Attwell, V. L.</b>		
The occurrence of <i>Schistosoma mattheei</i> in the south-western Transvaal. P. H. JOUBERT, V. L. HAMILTON-ATTWELL and F. J. KRUGER.....	54	603-605
<b>Hart, Alet</b>		
Ultrastructural features of <i>Cowdria ruminantium</i> in midgut epithelial cells and salivary glands for nymphal <i>Amblyomma hebraeum</i> . KATHERINE M. KOCAN, J. D. BEZUIDENHOUT and ALET HART.....	54	87-92
<b>Hayes, Marianna</b>		
The relationship between the skin and some bacterial species occurring on it in the Merino. B. C. JANSEN and MARIANNA HAYES.....	54	107-111
<b>Henton, Maryke M.</b>		
Leptospirosis as a cause of "white spot" kidneys in South African pig abattoirs. PAMELA HUNTER, F. H. VAN DER VYVER, ANNE SELMER-OLSEN, MARYKE M. HENTON, S. HERR and J. F. DE LANGE.....	54	59-62
Antibiotic sensitivity of <i>Pasteurella haemolytica</i> isolated by means of a fiberoptic endoscope from cases of pneumonic pasteurellosis in cattle. S. R. VAN AMSTEL, MARYKE HENTON, M. A. WITCOMB, B. FABIAN and P. VERVOORT.....	54	551-552
<b>Herr, S.</b>		
Leptospirosis as a cause of "white spot" kidneys in South African pig abattoirs. PAMELA HUNTER, F. H. VAN DER VYVER, ANNE SELMER-OLSEN, MARYKE M. HENTON, S. HERR and J. F. DE LANGE.....	54	59-62
A rapid microtitration serum agglutination test for the detection of contagious equine metritis antibodies. B. GUMMOW, S. HERR and O. L. BRETT.....	54	97-98
The incidence of <i>Coxiella burnetii</i> antibodies in cattle in the Transvaal. B. GUMMOW, N. POERSTAMPER and S. HERR.....	54	569-571
The use of <i>Meso</i> -erythritol sensitivity discs in the typing of <i>Brucella</i> strains. P. M. PIETERSON, LESLEY A. TE BRUGGE and S. HERR.....	54	651-652
<b>Heyne, I. H.</b>		
Rearing and infection techniques for <i>Amblyomma</i> species to be used in heartwater transmission experiments. I. H. HEYNE, E. G. R. ELLIOT and J. D. BEZUIDENHOUT.....	54	461-471
<b>Holland, C. J.</b>		
The serological relationship between <i>Cowdria ruminantium</i> and certain members of the genus <i>Ehrlichia</i> . C. J. HOLLAND, L. L. LOGAN, C. A. MEBUS and M. RISTIC (Abstract only).....	54	331-331
<b>Holzappel, W. H.</b>		
Frequency and occurrence of <i>Lactobacillus acidophilus</i> in the gut of the pig, as indicated by its presence in the faeces. MONICA H. M. VON AULOCK and W. H. HOLZAPFEL.....	54	581-583
<b>Horak, I. G.</b>		
Some wild hosts of the Karoo paralysis tick, <i>Ixodes rubicundus</i> Neumann, 1904 (Acari: Ixodidae). I. G. HORAK, L. C. MOOLMAN and L. J. FOURIE.....	54	49-51
Parasites of South African wildlife. 1. Helminths of bushbuck, <i>Tragelaphus scriptus</i> , and grey duiker, <i>Sylvicapra grimmia</i> , from the Weza State Forest, Natal. J. BOOMKER, M. E. KEEP and I. G. HORAK.....	54	131-134
The ecology of the African vectors of heartwater, with particular reference to <i>Amblyomma hebraeum</i> and <i>Amblyomma variegatum</i> . T. N. PETNEY, I. G. HORAK and Y. RECHAV.....	54	381-395
Some avian and mammalian hosts of <i>Amblyomma hebraeum</i> and <i>Amblyomma marmoreum</i> (Acari: Ixodidae). I. G. HORAK, K. M. DE F. MACIVOR, T. N. PETNEY and V. DE VOS.....	54	397-403
The effect of dipping on parasitic and free-living populations of <i>Amblyomma hebraeum</i> on a farm and on an adjacent nature reserve. T. N. PETNEY and I. G. HORAK.....	54	529-533
Parasites of domestic and wild animals in South Africa. XXII. Ixodid ticks on domestic dogs and on wild carnivores. I. G. HORAK, AMY JACOT GUILLARMOD, L. C. MOOLMAN and V. DE VOS.....	54	573-580
<b>Huchzermeyer, F. W.</b>		
Broiler pulmonary hypertension syndrome. I. Increased right ventricular mass in broilers experimentally infected with <i>Aegyptianella pullorum</i> . F. W. HUCHZERMEYER, J. A. CILLIERS, CELESTINA D. DIAZ LAVIGNE and R. A. BARTKOWIAK	54	113-114
Broiler pulmonary hypertension syndrome. II. The direct measurement of right ventricular and pulmonary artery pressures in the closed chest domestic fowl. A. J. GUTHRIE, J. A. CILLIERS, F. W. HUCHZERMEYER and VALERIE M. KILLEEN.....	54	599-602
<b>Huismans, H.</b>		
The identification of factors capable of reversing the core-mediated inhibition of the bluetongue virus transcriptase. ALBERDINA A. VAN DIJK and H. HUISMANS.....	54	629-633
<b>Hunter, Pamela</b>		
Leptospirosis as a cause of "white spot" kidneys in South African pig abattoirs. PAMELA HUNTER, F. H. VAN DER VYVER, ANNE SELMER-OLSEN, MARYKE M. HENTON, S. HERR and J. F. DE LANGE.....	54	59-62
<b>Hurter, L. R.</b>		
A preliminary investigation into the efficacy of intraperitoneal vaccination of sheep and goat kids against heartwater. L. R. HURTER.....	54	507-508
<b>Jacot Guillarmod, Amy</b>		
Parasites of domestic and wild animals in South Africa. XXII. Ixodid ticks on domestic dogs and on wild carnivores. I. G. HORAK, AMY JACOT GUILLARMOD, L. C. MOOLMAN and V. DE VOS.....	54	573-580

<b>Jansen, B. C.</b>		
The relationship between the skin and some bacterial species occurring on it in the Merino. B. C. JANSEN and MARIANNA HAYES .....	54	107-111
<b>Jordaan, P.</b>		
Cardiac glycoside poisoning in sheep caused by <i>Urginea physodes</i> (Jacq.) Bak. and the isolated physodine. A. P. W. NEL, R. ANITRA SCHULTZ, P. JORDAAN, L. A. P. ANDERSON, T. S. KELLERMAN and CLARE REID .....	54	641-644
<b>Joubert, J. P. J.</b>		
Experimental evidence that the active principle of the poisonous plant <i>Thesium lineatum</i> L.f. (Santalaceae) is a bufadienolide. L. A. P. ANDERSON, J. P. J. JOUBERT, R. ANITRA SCHULTZ, T. S. KELLERMAN and BARENDINA J. PIENAAR .....	54	645-650
<b>Joubert, P. H.</b>		
The occurrence of <i>Schistosoma mattheei</i> in the south-western Transvaal. P. H. JOUBERT, V. L. HAMILTON-ATTWELL and F. J. KRUGER .....	54	603-605
<b>Keep, M. E.</b>		
Parasites of South African wildlife. I. Helminths of bushbuck, <i>Tragelaphus scriptus</i> , and grey duiker, <i>Sylvicapra grimmia</i> , from the Weza State Forest, Natal. J. BOOMKER, M. E. KEEP and I. G. HORAK .....	54	131-134
<b>Kellerman, T. S.</b>		
Cardiac glycoside poisoning in sheep caused by <i>Urginea physodes</i> (Jacq.) Bak. and the isolated physodine. A. P. W. NEL, R. ANITRA SCHULTZ, P. JORDAAN, L. A. P. ANDERSON, T. S. KELLERMAN and CLARE REID .....	54	641-644
Experimental evidence that the active principle of the poisonous plant <i>Thesium lineatum</i> L.f. (Santalaceae) is a bufadienolide. L. A. P. ANDERSON, J. P. J. JOUBERT, R. ANITRA SCHULTZ, T. S. KELLERMAN and BARENDINA J. PIENAAR .....	54	645-650
<b>Killeen, Valerie M.</b>		
The clinical pathology and pathophysiology of heartwater. A review. S. R. VAN AMSTEL, A. J. GUTHRIE, F. REYERS, H. BERTSCHINGER, P. T. OBEREM, VALERIE M. KILLEEN and O. MATTHEE .....	54	287-290
Broiler pulmonary hypertension syndrome. II. The direct measurement of right ventricular and pulmonary artery pressures in the closed chest domestic fowl. A. J. GUTHRIE, J. A. CILLIERS, F. W. HUCHZERMEYER and VALERIE M. KILLEEN .....	54	599-602
<b>Kirkpatrick, R.</b>		
Parasites in sheep grazing on Kikuyu ( <i>Pennisetum clandestinum</i> ) pastures in the winter rainfall region. R. K. REINECKE, R. KIRKPATRICK, LYDIA SWART, ANNA M. D. KRIEL and F. FRANK .....	54	27-38
<b>Kleynhans, K. P. N.</b>		
<i>Musca nevillei</i> sp. nov. (Diptera, Muscidae) a dung-breeding fly from South Africa. K. P. N. KLEYNHANS .....	54	115-118
<b>Kocan, Katherine M.</b>		
Ultrastructural features of <i>Cowdria ruminantium</i> in midgut epithelial cells and salivary glands for nymphal <i>Amblyomma hebraeum</i> . KATHERINE M. KOCAN, J. D. BEZUIDENHOUT and ALET HART .....	54	87-92
Morphology and development of <i>Cowdria ruminantium</i> in <i>Amblyomma</i> ticks. K. M. KOCAN and J. D. BEZUIDENHOUT .....	54	177-182
Distinctive staining of colonies of <i>Cowdria ruminantium</i> in midguts of <i>Amblyomma hebraeum</i> . C. E. YUNKER, K. M. KOCAN, R. A. I. NORVAL and M. J. BURRIDGE .....	54	183-185
<b>Kotzé, C.</b>		
African swine fever. II. Functional disturbances of thrombocytes in pigs infected with virulent haemadsorbing and non-haemadsorbing virus isolates. J. A. NESER and C. KOTZÉ .....	54	147-155
<b>Kowalski, Z. E.</b>		
The pathogenesis of heartwater. J. L. DU PLESSIS, LETTIA MALAN and Z. E. KOWALSKI .....	54	313-318
<b>Kriel, Anna M. D.</b>		
Parasites in sheep grazing on Kikuyu ( <i>Pennisetum clandestinum</i> ) pastures in the winter rainfall region. R. K. REINECKE, R. KIRKPATRICK, LYDIA SWART, ANNA M. D. KRIEL and F. FRANK .....	54	27-38
<b>Kruger, F. J.</b>		
Enzyme electrophoresis of South African <i>Schistosoma mattheei</i> and <i>S. haematobium</i> . F. J. KRUGER .....	54	93-96
The occurrence of <i>Schistosoma mattheei</i> in the south-western Transvaal. P. H. JOUBERT, V. L. HAMILTON-ATTWELL and F. J. KRUGER .....	54	603-605
<b>Lange, A. Lucia</b>		
Pathological findings in a natural outbreak of aflatoxicosis in dogs. STELLA S. BASTIANELLO, J. W. NESBIT, M. C. WILLIAMS and A. LUCIA LANGE .....	54	635-640
<b>Logan, L. L.</b>		
<i>Cowdria ruminantium</i> : stability and preservation of the organism. L. L. LOGAN .....	54	187-191
The development of <i>Cowdria ruminantium</i> in neutrophils. L. L. LOGAN, T. C. WHYARD, J. C. QUINTERO and C. A. MEBUS .....	54	197-204
The serological relationship between <i>Cowdria ruminantium</i> and certain members of the genus <i>Ehrlichia</i> . C. J. HOLLAND, L. L. LOGAN, C. A. MEBUS and M. RISTIC. (Abstract only) .....	54	331-331
Cross-immunity between isolates of <i>Cowdria ruminantium</i> . L. L. LOGAN, E. G. BIRNIE and C. A. MEBUS. (Abstract only) ...	54	345-345
<b>MacIvor, K. M. de F.</b>		
Some avian and mammalian hosts of <i>Amblyomma hebraeum</i> and <i>Amblyomma marmoreum</i> (Acari: Ixodidae). I. G. HORAK, K. M. DEF. MACIVOR, T. N. PETNEY and V. DE VOS .....	54	397-403
<b>Mackenzie, P. K. I.</b>		
<i>Cowdria ruminantium</i> infection in the mouse: A review. P. K. I. MACKENZIE and N. MCHARDY .....	54	267-269
Identification of drugs effective against <i>Cowdria ruminantium</i> using a mouse screening system. N. MCHARDY and P. K. I. MACKENZIE .....	54	481-484
<b>Malan, F. S.</b>		
Studies on the parasites of zebras. V. Nematodes of the Burchell's and Hartmann's mountain zebras from the Etosha National Park, South West Africa/Namibia. ROSINA C. SCIALDO-KRECEK, R. K. REINECKE and F. S. MALAN .....	54	71-78
Two field strains of <i>Haemonchus contortus</i> resistant to rafoxanide. J. A. VAN WYK, F. S. MALAN, H. M. GERBER and REGINA M. R. ALVES .....	54	143-146

<b>Malan, Letitia</b>		
The pathogenesis of heartwater. J. L. DU PLESSIS, LETITIA MALAN and Z. E. KOWALSKI.....	54	313-318
The application of the indirect fluorescent antibody test in research on heartwater. J. L. DU PLESSIS and LETITIA MALAN .....	54	319-325
Heartwater serology: Some problems with the interpretation of results. J. L. DU PLESSIS, E. CAMUS, P. T. OBEREM and LETITIA MALAN.....	54	327-329
The non-specific resistance of cattle to heartwater. J. L. DU PLESSIS and LETITIA MALAN .....	54	333-336
Problems with the interpretation of epidemiological data in heartwater: a study on 23 farms. J. L. DU PLESSIS and LETITIA MALAN .....	54	427-433
The block method of vaccination against heartwater. J. L. DU PLESSIS and LETITIA MALAN .....	54	493-495
<b>Matheron, G.</b>		
Genetic resistance of Guadeloupe native goats to heartwater. G. MATHERON, N. BARRÉ, E. CAMUS and J. GOGUE .....	54	337-340
<b>Matthee, O.</b>		
Further studies on the clinical pathology of sweating sickness in cattle. S. R. VAN AMSTEL, F. REYERS, P. T. OBEREM and O. MATTHEE .....	54	45-48
The clinical pathology and pathophysiology of heartwater: A review. S. R. VAN AMSTEL, A. J. GUTHRIE, F. REYERS, H. BERTSCHINGER, P. T. OBEREM, VALERIE M. KILLEEN and O. MATTHEE.....	54	287-290
<b>McHardy, N.</b>		
<i>Cowdria ruminantium</i> infection in the mouse: A review. P. K. I. MACKENZIE and N. MCHARDY.....	54	267-269
Identification of drugs effective against <i>Cowdria ruminantium</i> using a mouse screening system. N. MCHARDY and P. K. I. MACKENZIE .....	54	481-484
<b>Mebus, C. A.</b>		
The development of <i>Cowdria ruminantium</i> in neutrophils. L. L. LOGAN, T. C. WHYARD, J. C. QUINTERO and C. A. MEBUS .....	54	197-204
The serological relationship between <i>Cowdria ruminantium</i> and certain members of the genus <i>Ehrlichia</i> . C. J. HOLLAND, L. L. LOGAN, C. A. MEBUS and M. RISTIC. (Abstract only) .....	54	331-331
Cross-immunity between isolates of <i>Cowdria ruminantium</i> . L. L. LOGAN, E. G. BIRNIE and C. A. MEBUS. (Abstract only)...	54	345-345
<b>Meiswinkel, R.</b>		
Afrotropical <i>Culicoides</i> : a redescription of <i>C. (Avaritia) kanagai</i> Khamala & Kettle, 1971, reared from elephant dung in the Kruger National Park, South Africa. R. MEISWINKEL.....	54	585-590
<b>Moolman, L. C.</b>		
Some wild hosts of the Karoo paralysis tick, <i>Ixodes rubicundus</i> Neumann, 1904 (Acari: Ixodidae). I. G. HORAK, L. C. MOOLMAN and L. J. FOURIE .....	54	49-51
Parasites of domestic and wild animals in South Africa. XXII. Ixodid ticks on domestic dogs and on wild carnivores. I. G. HORAK, AMY JACOT GUILLARMOD, L. C. MOOLMAN and V. DE VOS .....	54	573-580
<b>Morel, P. C.</b>		
Danger of introducing heartwater onto the American mainland: Potential role of indigenous and exotic <i>Amblyomma</i> ticks. N. BARRÉ, G. UILENBERG, P. C. MOREL and E. CAMUS .....	54	405-417
<b>Myer, M. S.</b>		
Production of a macrophage chemotactic factor by cultured jaagsiekte tumour cells. M. S. MYER, D. W. VERWOERD and HELEN M. GARNETT .....	54	9-15
Demonstration of growth-inhibitory as well as growth-stimulatory factors in medium conditioned by lung lavage cells stimulated with a chemotactic factor secreted by jaagsiekte tumour cells. M. S. MYER, D. W. VERWOERD and HELEN M. GARNETT.....	54	123-130
<b>Neitz, A. W. H.</b>		
Purification of <i>Cowdria ruminantium</i> by density gradient centrifugation. A. W. H. NEITZ, N. M. J. VERMEULEN and G. J. VILJOEN .....	54	223-231
Purification of <i>Cowdria ruminantium</i> by lectin cellular affinity chromatography. N. M. J. VERMEULEN, A. W. H. NEITZ and G. J. VILJOEN .....	54	233-246
Purification of <i>Cowdria ruminantium</i> by immunoadsorbent affinity chromatography. A. W. H. NEITZ and N. M. J. VERMEULEN.....	54	247-253
Theoretical aspects of the enzyme-linked immunosorbent assay technique and its use in the detection of <i>Cowdria ruminantium</i> antigen and antibody in reacting animals. G. J. VILJOEN, N. M. J. VERMEULEN and A. W. H. NEITZ .....	54	305-312
Biochemical studies of the salivary glands and haemolymph of <i>Amblyomma hebraeum</i> . A. W. H. NEITZ and N. M. J. VERMEULEN .....	54	443-450
Biochemical studies on the eggs of <i>Amblyomma hebraeum</i> . N. M. J. VERMEULEN and A. W. H. NEITZ .....	54	451-459
<b>Nel, A. P. W.</b>		
Cardiac glycoside poisoning in sheep caused by <i>Urginea physodes</i> (Jacq.) Bak. and the isolated physodine. A. P. W. NEL, R. ANITRA SCHULTZ, P. JORDAAN, L. A. P. ANDERSON, T. S. KELLERMAN and CLARE REID .....	54	641-644
<b>Nesbit, J. W.</b>		
Pathological findings in a natural outbreak of aflatoxicosis in dogs. STELLA S. BASTIANELLO, J. W. NESBIT, M. C. WILLIAMS and A. LUCIA LANGE.....	54	635-640
<b>Neser, J. A.</b>		
African swine fever. II. Functional disturbances of thrombocytes in pigs infected with virulent haemadsorbing and non-haemadsorbing virus isolates. J. A. NESER and C. KOTZÉ.....	54	147-155
<b>Nevill, E. M.</b>		
The control of <i>Parafilaria bovicola</i> transmission in South Africa. E. M. NEVILL, C. A. WILKINS and G. ZAKRISSON.....	54	547-550
The colonization and life-cycles of <i>Musca lusoria</i> , <i>Musca xanthomelas</i> and <i>Musca nevillei</i> , vectors of <i>Parafilaria bovicola</i> in South Africa. E. M. NEVILL and B. SUTHERLAND.....	54	607-611
<b>Norval, R. A. I.</b>		
Distinctive staining of colonies of <i>Cowdria ruminantium</i> in midguts of <i>Amblyomma hebraeum</i> . C. E. YUNKER, K. M. KOCAN, R. A. I. NORVAL and M. J. BURRIDGE.....	54	183-185

	Volume	Page
<b>Oberem, P. T.</b>		
Further studies on the clinical pathology of sweating sickness in cattle. S. R. VAN AMSTEL, F. REYERS, P. T. OBEREM and O. MATTHEE .....	54	45-48
Heartwater in hosts other than domestic ruminants. P. T. OBEREM and J. D. BEZUIDENHOUT .....	54	271-275
The clinical pathology and pathophysiology of heartwater: A review. S. R. VAN AMSTEL, A. J. GUTHRIE, F. REYERS, H. BERTSCHINGER, P. T. OBEREM, VALERIE M. KILLEEN and O. MATTHEE .....	54	387-290
Heartwater serology: Some problems with the interpretation of results. J. L. DU PLESSIS, E. CAMUS, P. T. OBEREM and LETITIA MALAN .....	54	327-329
The treatment of heartwater. S. R. VAN AMSTEL and P. T. OBEREM .....	54	475-479
The production of heartwater vaccine. P. T. OBEREM and J. D. BEZUIDENHOUT .....	54	485-488
<b>Odendaal, M. W.</b>		
Purification of the alpha toxin of <i>Clostridium perfringens</i> type A by ultrafiltration and gel chromatography. M. W. ODENDAAL .....	54	39-43
<b>Olivier, J. A.</b>		
The efficacy of alternative routes for the infection or vaccination of animals with <i>Cowdria ruminantium</i> . J. D. BEZUIDENHOUT, J. A. OLIVIER, B. GRUSS and J. V. BADENHORST .....	54	497-506
<b>Olwage, A.</b>		
The tick vectors of <i>Cowdria ruminantium</i> (Ixodoidea, Ixodidae, genus <i>Amblyomma</i> ) and their distribution. JANE B. WALKER, with illustrations by A. OLWAGE .....	54	353-379
<b>Pajor, I. T. P.</b>		
A collapsible, semi-automatic, tent-type, emergence trap, suitable for sampling <i>Culicoides</i> (Diptera: Ceratopogonidae) from a wide range of habitats. I. T. P. PAJOR .....	54	99-101
<b>Penzhorn, B. L.</b>		
Description of incisors of known-age Cape mountain zebras, <i>Equus zebra zebra</i> from the Mountain Zebra National Park. B. L. PENZHORN .....	54	135-141
<b>Petney, T. N.</b>		
The ecology of the African vectors of heartwater, with particular reference to <i>Amblyomma hebraeum</i> and <i>Amblyomma variegatum</i> . T. N. PETNEY, I. G. HORAK and Y. RECHAV .....	54	381-395
Some avian and mammalian hosts of <i>Amblyomma hebraeum</i> and <i>Amblyomma marmoreum</i> (Acari: Ixodidae). I. G. HORAK, K. M. DE F. MACIVOR, T. N. PETNEY and V. DE VOS .....	54	397-403
The effect of dipping on parasitic and free-living populations of <i>Amblyomma hebraeum</i> on a farm and on an adjacent nature reserve. T. N. PETNEY and I. G. HORAK .....	54	529-533
<b>Pienaar, Anna C. E.</b>		
The isolation of a paramyxovirus from pigeons in South Africa. ANNA C. E. PIENAAR and J. A. CILLIERS .....	54	653-654
<b>Pienaar, Barendina J.</b>		
Experimental evidence that the active principle of the poisonous plant <i>Thesium lineatum</i> L.f. (Santalaceae) is a bufadienolide. L. A. P. ANDERSON, J. P. J. JOUBERT, R. ANITRA SCHULTZ, T. S. KELLERMAN and BARENDINA J. PIENAAR .....	54	645-650
<b>Pieterse, P. M.</b>		
The use of <i>Meso</i> -erythritol sensitivity discs in the typing of <i>Brucella</i> strains. P. M. PIETERSE, LESLEY A. TE BRUGGE and S. HERR .....	54	651-652
<b>Poerstamper, N.</b>		
The incidence of <i>Coxiella burnetii</i> antibodies in cattle in the Transvaal. B. GUMMOW, N. POERSTAMPER and S. HERR .....	54	569-571
<b>Potgieter, F. T.</b>		
Tick transmission of <i>Anaplasma centrale</i> . F. T. POTGIETER and L. VAN RENSBURG .....	54	5-7
The genome of <i>Anaplasma</i> : DNA base composition and DNA/DNA hybridization. R. E. AMBROSIO and F. T. POTGIETER .....	54	63-65
The persistence of colostral <i>Anaplasma</i> antibodies and incidence of <i>in utero</i> transmission of <i>Anaplasma</i> infections in calves under laboratory conditions. F. T. POTGIETER and L. VAN RENSBURG .....	54	557-560
An investigation into the clinical pathological changes and serological response in horses experimentally infected with <i>Babesia equi</i> and <i>Babesia caballi</i> . D. T. DE WAAL, J. VAN HEERDEN and F. T. POTGIETER .....	54	561-568
The transstadial transmission of <i>Babesia caballi</i> by <i>Rhipicephalus evertsi evertsi</i> . D. T. DE WAAL and F. T. POTGIETER .....	54	655-656
<b>Provost, A.</b>		
The historical background and global importance of heartwater. A. PROVOST and J. D. BEZUIDENHOUT .....	54	165-169
<b>Prozesky, L.</b>		
Heartwater: The morphology of <i>Cowdria ruminantium</i> and its staining characteristics in the vertebrate host and <i>in vitro</i> . L. PROZESKY .....	54	173-176
Heartwater: The development and life cycle of <i>Cowdria ruminantium</i> in the vertebrate host, ticks and cultured endothelial cells. L. PROZESKY and J. L. DU PLESSIS .....	54	193-196
Heartwater: An overview of the clinical signs, susceptibility and differential diagnoses of the disease in domestic ruminants. H. VAN DE PYPEKAMP and L. PROZESKY .....	54	263-266
Heartwater: The artificial transmission of <i>Cowdria ruminantium</i> in domestic ruminants and mice. L. PROZESKY .....	54	277-279
The pathology of heartwater. III. A review. L. PROZESKY .....	54	281-286
The diagnosis of heartwater at post mortem in ruminants and the confirmation of <i>Cowdria ruminantium</i> in mice. L. PROZESKY .....	54	301-303
<b>Purnell, R. E.</b>		
Development of a prophylactic regime using Terramycin/LA to assist in the introduction of susceptible cattle into heartwater endemic areas of Africa. R. E. PURNELL .....	54	509-512
<b>Quintero, J. C.</b>		
The development of <i>Cowdria ruminantium</i> in neutrophils. L. L. LOGAN, T. C. WHYARD, J. C. QUINTERO and C. A. MEBUS .....	54	197-204
<b>Rechav, Y.</b>		
The ecology of the African vectors of heartwater, with particular reference to <i>Amblyomma hebraeum</i> and <i>Amblyomma variegatum</i> . T. N. PETNEY, I. G. HORAK and Y. RECHAV .....	54	381-395

	Volume	Page
<b>Redman, A. R.</b>		
The isolation of <i>Leptospira interrogans</i> serovar <i>pomona</i> and related serological findings associated with a mixed farming unit in the Transvaal. J. F. DE LANGE, B. GUMMOW, G. V. TURNER and A. R. REDMAN .....	54	119-121
<b>Reid, Clare</b>		
Cardiac glycoside poisoning in sheep caused by <i>Urginea physodes</i> (Jacq.) Bak. and the isolated physodine. A. P. W. NEL, R. ANITRA SCHULTZ, P. JORDAAN, L. A. P. ANDERSON, T. S. KELLERMAN and CLARE REID .....	54	641-644
<b>Reinecke, R. K.</b>		
Parasites in sheep grazing on Kikuyu ( <i>Pennisetum clandestinum</i> ) pastures in the winter rainfall region. R. K. REINECKE, R. KIRKPATRICK, LYDIA SWART, ANNA M. D. KRIEL and F. FRANK .....	54	27-38
Studies on the parasites of zebras. V. Nematodes of the Burchell's and Hartmann's mountain zebras from the Etosha National Park, South West Africa/Namibia. ROSINA C. SCIALDO-KRECEK, R. K. REINECKE and F. S. MALAN .....	54	71-78
<b>Reyers, F.</b>		
Further studies on the clinical pathology of sweating sickness in cattle. S. R. VAN AMSTEL, F. REYERS, P. T. OBEREM and O. MATTHEE .....	54	45-48
The clinical pathology and pathophysiology of heartwater: A review. S. R. VAN AMSTEL, A. J. GUTHRIE, F. REYERS, H. BERTSCHINGER, P. T. OBEREM, VALERIE M. KILLEEN and O. MATTHEE .....	54	287-290
<b>Ristic, M.</b>		
The serological relationship between <i>Cowdria ruminantium</i> and certain members of the genus <i>Ehrlichia</i> . C. J. HOLLAND, L. L. LOGAN, C. A. MEBUS and M. RISTIC. (Abstract only) .....	54	331-331
<b>Schneider, D. J.</b>		
Ovine hepatogenous photosensitivity caused by the plant <i>Nidorella foetida</i> (Thunb). DC. (Asteraceae). D. J. SCHNEIDER, JENNIFER R. GREEN and M. G. COLLETT .....	54	53-57
<b>Schoonbee, H. J.</b>		
The use of electronarcosis as anaesthetic in the cichlid, <i>Oreochromis mossambicus</i> (Peters). I. General experimental procedures and the role of fish length on the narcotizing effects of electric currents. W. T. BARHAM, H. J. SCHOONBEE and J. G. J. VISSER .....	54	617-622
<b>Schröder, J.</b>		
Chemical control of the heartwater vectors. J. SCHRÖDER .....	54	517-520
<b>Schultz, R. Anita</b>		
Cardiac glycoside poisoning in sheep caused by <i>Urginea physodes</i> (Jacq.) Bak. and the isolated physodine. A. P. W. NEL, R. ANITRA SCHULTZ, P. JORDAAN, L. A. P. ANDERSON, T. S. KELLERMAN and CLARE REID .....	54	641-644
Experimental evidence that the active principle of the poisonous plant <i>Thesium lineatum</i> L.f. (Santalaceae) is a bufadienolide. L. A. P. ANDERSON, J. P. J. JOUBERT, R. ANITRA SCHULTZ, T. S. KELLERMAN and BARENDINA J. PIENAAR .....	54	645-650
<b>Scialdo-Krecek, Rosina C.</b>		
Studies on the parasites of zebras. V. Nematodes of the Burchell's and Hartmann's mountain zebras from the Etosha National Park, South West Africa/Namibia. ROSINA C. SCIALDO-KRECEK, R. K. REINECKE and F. S. MALAN .....	54	71-78
<b>Scott, G. R.</b>		
The taxonomic status of the causative agent of heartwater. G. R. SCOTT .....	54	257-260
<b>Selmer-Olsen, Anne</b>		
Leptospirosis as a cause of "white spot" kidneys in South African pig abattoirs. PAMELA HUNTER, F. H. VAN DER VYVER, ANNE SELMER-OLSEN, MARYKE M. HENTON, S. HERR and J. F. DE LANGE .....	54	59-62
<b>Soll, M. D.</b>		
Control of induced infestations of adult <i>Amblyomma hebraeum</i> with sustained release ivermectin. M. D. SOLL, I. H. CAR-MICHAEL and SHEILA J. GROSS .....	54	17-20
<b>Spickett, A. M.</b>		
The natural control of heartwater vectors. A. M. SPICKETT .....	54	535-539
<b>Stanford, G. D.</b>		
The resistance spectrum shown by a fenvalerate-resistant strain of the blue tick ( <i>Boophilus decoloratus</i> ) to a range of ixodicides. BRIGETTE B. COETZEE, G. D. STANFORD and D. A. T. DAVIS .....	54	79-82
Resistance by the blue tick ( <i>Boophilus decoloratus</i> ) to the synthetic pyrethroid, fenvalerate. BRIGETTE B. COETZEE, G. D. STANFORD and D. A. T. DAVIS .....	54	83-86
<b>Stewart, C. G.</b>		
Specific immunity in farm animals to heartwater. C. G. STEWART .....	54	341-342
Specific immunity in mice to heartwater. C. G. STEWART .....	54	343-344
<b>Sutherland, B.</b>		
The colonization and life-cycles of <i>Musca lusoria</i> , <i>Musca xanthomelas</i> and <i>Musca nevillei</i> , vectors of <i>Parafilaria bovicola</i> in South Africa. E. M. NEVILL and B. SUTHERLAND .....	54	607-611
<b>Swanepoel, Martha L.</b>		
Resistance to various antibiotics of <i>Salmonella</i> and <i>Escherichia coli</i> isolated from registrable farm feeds. ANNETTE M. DURAND, MARIE LUISE BARNARD, MARTHA L. SWANEPOEL and MARIE M. ENGELBRECHT .....	54	21-26
<b>Swart, Lydia</b>		
Parasites in sheep grazing on Kikuyu ( <i>Pennisetum clandestinum</i> ) pastures in the winter rainfall region. R. K. REINECKE, R. KIRKPATRICK, LYDIA SWART, ANNA M. D. KRIEL and F. FRANK .....	54	27-38
<b>Te Brugge, Lesley A.</b>		
The use of <i>Meso</i> -erythritol sensitivity discs in the typing of <i>Brucella</i> strains. P. M. PIETERSON, LESLEY A. TE BRUGGE and S. HERR .....	54	651-652
<b>Turner, G. V.</b>		
The isolation of <i>Leptospira interrogans</i> serovar <i>pomona</i> and related serological findings associated with a mixed farming unit in the Transvaal. J. F. DE LANGE, B. GUMMOW, G. V. TURNER and A. R. REDMAN .....	54	119-121
<b>Tustin, R. C.</b>		
Immunization of sheep against the larval stage of <i>Taenia multiceps</i> . ANNA VERSTER and R. C. TUSTIN .....	54	103-105



	Volume	Page
<b>Uilenberg, G.</b>		
Danger of introducing heartwater onto the American mainland: Potential role of indigenous and exotic <i>Amblyomma</i> ticks. N. BARRÉ, G. UILENBERG, P. C. MOREL and E. CAMUS .....	54	405-417
<b>Van Amstel, S. R.</b>		
Further studies on the clinical pathology of sweating sickness in cattle. S. R. VAN AMSTEL, F. REYERS, P. T. OBEREM and O. MATTHEE .....	54	45-48
The clinical pathology and pathophysiology of heartwater: A review. S. R. VAN AMSTEL, A. J. GUTHRIE, F. REYERS, H. BERTSCHINGER, P. T. OBEREM, VALERIE M. KILLEEN and O. MATTHEE .....	54	287-290
The use of electro-encephalography and brain biopsy in the clinical diagnosis of heartwater. S. R. VAN AMSTEL .....	54	295-299
The treatment of heartwater. S. R. VAN AMSTEL and P. T. OBEREM .....	54	475-479
Antibiotic sensitivity of <i>Pasteurella haemolytica</i> isolated by means of a fiberoptic endoscope from cases of pneumonic pasteurellosis in cattle. S. R. VAN AMSTEL, MARYKE HENTON, M. A. WITCOMB, B. FABIAN and P. VERVOORT .....	54	551-552
<b>Van de Pypekamp, H.</b>		
Heartwater. An overview of the clinical signs, susceptibility and differential diagnoses of the disease in domestic ruminants. H. VAN DE PYPEKAMP and L. PROZESKY .....	54	263-266
<b>Van der Merwe, F. J.</b>		
Welcoming address to the workshop on heartwater: Past, present and future. F. J. VAN DER MERWE .....	54	163-164
<b>Van der Merwe, Lente</b>		
The infection and treatment method of vaccination against heartwater. LENTE VAN DER MERWE .....	54	489-491
<b>Van der Vyver, F. H.</b>		
Leptospirosis as a cause of "white spot" kidneys in South African pig abattoirs. PAMELA HUNTER, F. H. VAN DER VYVER, ANNE SELMER-OLSEN, MARYKE M. HENTON, S. HERR and J. F. DE LANGE .....	54	59-62
<b>Van der Walt, Martha L.</b>		
A comparative study of the growth of <i>Campylobacter fetus</i> strains in liquid media. MARTHA L. VAN DER WALT .....	54	553-556
The demonstration of the K-antigen of <i>Campylobacter fetus venereal</i> using a microtitre agglutination test. MARTHA L. VAN DER WALT .....	54	613-615
<b>Van Dijk, Alberdina A.</b>		
The identification of factors capable of reversing the core-mediated inhibition of the bluetongue virus transcriptase. ALBERDINA A. VAN DIJK and H. HUISMANS .....	54	629-633
<b>Van Heerden, J.</b>		
An investigation into the clinical pathological changes and serological response in horses experimentally infected with <i>Babesia equi</i> and <i>Babesia caballi</i> . D. T. DE WAAL, J. VAN HEERDEN and F. T. POTGIETER .....	54	561-568
<b>Van Rensburg, L.</b>		
Tick transmission of <i>Anaplasma centrale</i> . F. T. POTGIETER and L. VAN RENSBURG .....	54	5-7
The persistence of colostrum <i>Anaplasma</i> antibodies and incidence of <i>in utero</i> transmission of <i>Anaplasma</i> infections in calves under laboratory conditions. F. T. POTGIETER and L. VAN RENSBURG .....	54	557-560
<b>Van Wyk, J. A.</b>		
Two field strains of <i>Haemonchus contortus</i> resistant to rafoxanide. J. A. VAN WYK, F. S. MALAN, H. M. GERBER and REGINA M. R. ALVES .....	54	143-146
<b>Vermeulen, N. M. J.</b>		
The development of an ELISA-assay for semi-quantitative detection of dihydrogriesenin, a sesquiterpene lactone from <i>Geigeria</i> . J. A. VERSCHOOR, L. BORMAN and N. M. J. VERMEULEN .....	54	1-4
Purification of <i>Cowdria ruminantium</i> by density gradient centrifugation. A. W. H. NEITZ, N. M. J. VERMEULEN and G. J. VILJOEN .....	54	223-231
Purification of <i>Cowdria ruminantium</i> by lectin cellular affinity chromatography. N. M. J. VERMEULEN, A. W. H. NEITZ and G. J. VILJOEN .....	54	233-246
Purification of <i>Cowdria ruminantium</i> by immunoabsorbent affinity chromatography. A. W. H. NEITZ and N. M. J. VERMEULEN .....	54	247-253
Theoretical aspects of the enzyme-linked immunosorbent assay technique and its use in the detection of <i>Cowdria ruminantium</i> antigen and antibody in reacting animals. G. J. VILJOEN, N. M. J. VERMEULEN and A. W. H. NEITZ .....	54	305-312
Biochemical studies of the salivary glands and haemolymph of <i>Amblyomma hebraeum</i> . A. W. H. NEITZ and N. M. J. VERMEULEN .....	54	443-450
Biochemical studies on the eggs of <i>Amblyomma hebraeum</i> . N. M. J. VERMEULEN and A. W. H. NEITZ .....	54	451-459
<b>Verschoor, J. A.</b>		
The development of an ELISA-assay for semi-quantitative detection of dihydrogriesenin, a sesquiterpene lactone from <i>Geigeria</i> . J. A. VERSCHOOR, L. BORNMAN and N. M. J. VERMEULEN .....	54	1-4
<b>Verster, Anna</b>		
Immunization of sheep against the larval stage of <i>Taenia multiceps</i> . ANNA VERSTER and R. C. TUSTIN .....	54	103-105
<b>Vervoort, P.</b>		
Antibiotic sensitivity of <i>Pasteurella haemolytica</i> isolated by means of a fiberoptic endoscope from cases of pneumonic pasteurellosis in cattle. S. R. VAN AMSTEL, MARYKE HENTON, M. A. WITCOMB, B. FABIAN and P. VERVOORT .....	54	551-552
<b>Verwoerd, D. W.</b>		
Production of a macrophage chemotactic factor by cultured jaagsiekte tumour cells. M. S. MYER, D. W. VERWOERD and HELEN M. GARNETT .....	54	9-15
Demonstration of growth-inhibitory as well as growth-stimulatory factors in medium conditioned by lung lavage cells stimulated with a chemotactic factor secreted by jaagsiekte tumour cells. M. S. MYER, D. W. VERWOERD and HELEN M. GARNETT .....	54	123-130
<b>Viljoen, G. J.</b>		
Purification of <i>Cowdria ruminantium</i> by density gradient centrifugation. A. W. H. NEITZ, N. M. J. VERMEULEN and G. J. VILJOEN .....	54	223-231
Purification of <i>Cowdria ruminantium</i> by lectin cellular affinity chromatography. N. M. J. VERMEULEN, A. W. H. NEITZ and G. J. VILJOEN .....	54	233-246

	Volume	Page
Theoretical aspects of the enzyme-linked immunosorbent assay technique and its use in the detection of <i>Cowdria ruminantium</i> antigen and antibody in reacting animals. G. J. VILJOEN, N. M. J. VERMEULEN and A. W. H. NEITZ .....	54	305-312
<b>Visser, Elizabeth S.</b>		
DNA probes for the detection of <i>Anaplasma centrale</i> and <i>Anaplasma marginale</i> . ELIZABETH S. VISSER and R. E. AMBROSIO	54	623-627
<b>Visser, J. G. J.</b>		
The use of electronarcosis as anaesthetic in the cichlid, <i>Oreochromis mossambicus</i> (Peters). I. General experimental procedures and the role of fish length on the narcotizing effects of electric currents. W. T. BARHAM, H. J. SCHOONBEE and J. G. J. VISSER .....	54	617-622
<b>Vodkin, M. H.</b>		
Metabolism and genetics of Chlamydias and Rickettsias. J. C. WILLIAMS and M. H. VODKIN .....	54	211-221
<b>Von Aulock, Monica H. M.</b>		
Frequency and occurrence of <i>Lactobacillus acidophilus</i> in the gut of the pig, as indicated by its presence in the faeces. MONICA H. M. VON AULOCK and W. H. HOLZAPFEL .....	54	581-583
<b>Walker, Jane B.</b>		
The tick vectors of <i>Cowdria ruminantium</i> (Ixodoidea, Ixodidae, genus <i>Amblyomma</i> ) and their distribution. JANE B. WALKER, with illustrations by A. OLWAGE .....	54	353-379
<b>Whyard, T. C.</b>		
The development of <i>Cowdria ruminantium</i> in neutrophils. L. L. LOGAN, T. C. WHYARD, J. C. QUINTERO and C. A. MEBUS	54	197-204
<b>Wilkins, C. A.</b>		
The control of <i>Parafilaria bovicola</i> transmission in South Africa. E. M. NEVILL, C. A. WILKINS and G. ZAKRISSON .....	54	547-550
<b>Williams, J. C.</b>		
Metabolism and genetics of Chlamydias and Rickettsias. J. C. WILLIAMS and M. H. VODKIN .....	54	211-221
<b>Williams, M. C.</b>		
Pathological findings in a natural outbreak of aflatoxicosis in dogs. STELLA S. BASTIANELLO, J. W. NESBIT, M. C. WILLIAMS and A. LUCIA LANGE .....	54	635-640
<b>Williams, R.</b>		
A single dilution enzyme-linked immunosorbent assay for the quantitative detection of antibodies to African horsesickness virus. R. WILLIAMS .....	54	67-70
<b>Witcomb, M. A.</b>		
Antibiotic sensitivity of <i>Pasteurella haemolytica</i> isolated by means of a fiberoptic endoscope from cases of pneumonic pasteurellosis in cattle. S. R. VAN AMSTEL, MARYKE HENTON, M. A. WITCOMB, B. FABIAN and P. VERVOORT .....	54	551-552
<b>Yunker, K. M.</b>		
Distinctive staining of colonies of <i>Cowdria ruminantium</i> in midguts of <i>Amblyomma hebraeum</i> . C. E. YUNKER, K. M. KOCAN, R. A. I. NORVAL and M. J. BURRIDGE .....	54	183-185
<b>Zakrisson, G.</b>		
The control of <i>Parafilaria bovicola</i> transmission in South Africa. E. M. NEVILL, C. A. WILKINS and G. ZAKRISSON .....	54	547-550