

REPUBLIC OF SOUTH AFRICA
THE ONDERSTEPSOORT JOURNAL OF VETERINARY RESEARCH

| Volume 58 | 1991 | Numbers 1-4 |
|--|--------|-------------|
| AUTHOR INDEX | | |
| | Volume | Page |
| Allwright, D. M. | | |
| Isolation and identification of adenovirus 127, the causative agent of egg drop syndrome (EDS) from commercial laying hens in South Africa. R. R. BRAGG, D. M. ALLWRIGHT and L. COETZEE | 58 | 309-310 |
| Apps, P. J. | | |
| A gas-chromatographic headspace method for the determination of acetone in bovine milk, blood and urine. HANLIE E. K. WINTERBACH and P. J. APPS | 58 | 75-79 |
| Basson, A. T. | | |
| Copper toxicity in ruminants: air pollution as a possible cause. B. GUMMOW, C. J. BOTHA, A. T. BASSON and STELLA S. BASTIANELLO | 58 | 33-39 |
| Bastianello, Stella S. | | |
| Copper toxicity in ruminants: air pollution as a possible cause. B. GUMMOW, C. J. BOTHA, A. T. BASSON and STELLA S. BASTIANELLO | 58 | 33-39 |
| Cardiomyopathy of ruminants induced by the litter of poultry fed on rations containing the ionophore antibiotic, maduramicin. I. Epidemiology, clinical signs and clinical pathology. N. FOURIE, STELLA S. BASTIANELLO, L. PROZESKY, P. W. NEL and T. S. KELLERMAN | 58 | 291-296 |
| Bennett, G. F. | | |
| The prevalence of blood parasites in helmeted guineafowls, <i>Numida meleagris</i> , in the Kruger National Park. R. A. EARLÉ, I. G. HORAK, F. W. HUCHZERMAYER, G. F. BENNETT, L. E. O. BRAACK and B. L. PENZHORN | 58 | 145-147 |
| Berché, P. | | |
| T cell-mediated immunity to <i>Cowdria ruminantium</i> in mice: the protective role of Lyt-2 ⁺ T cells. J. L. DU PLESSIS, P. BERCHE and L. VAN GAS..... | 58 | 171-179 |
| Bezuidenhout, J. D. | | |
| Ultrastructural morphology of <i>Cowdria ruminantium</i> in midgut epithelial cells of adult <i>Amblyomma hebraeum</i> female ticks. ALET HART, KATHERINE M. KOCAN, J. D. BEZUIDENHOUT and L. PROZESKY..... | 58 | 187-193 |
| Boomker, J. | | |
| Parasites of South African wildlife. VI. Helminths of blue duikers, <i>Cephalophus monticola</i> , in Natal. J. BOOMKER, D. G. BOOYSE and M. E. KEEP | 58 | 11-13 |
| Parasites of South African wildlife. VII. Helminths of suni, <i>Neotragus moschatus</i> , in Natal. J. BOOMKER, D. G. BOOYSE and L. E. O. BRAACK..... | 58 | 15-16 |
| Parasites of South African wildlife. VIII. Helminth and arthropod parasites of warthogs, <i>Phacochoerus aethiopicus</i> , in the eastern Transvaal. J. BOOKMER, I. G. HORAK, D. G. BOOYSE and SANTA MEYER | 58 | 195-202 |
| Parasites of South African wildlife. IX. Helminths of kudu <i>Tragelaphus strepsiceros</i> , in the eastern Cape Province. J. BOOMKER, I. G. HORAK and M. M. KNIGHT | 58 | 203-204 |
| Parasites of South African wildlife. X. Helminths of red duikers, <i>Cephalophus natalensis</i> , in Natal. J. BOOMKER, I. G. HORAK and J. R. B. FLAMAND | 58 | 205-209 |
| Parasites of South African wildlife. XI. Description of a new race of <i>Cooperia rotundisporum</i> Gibbons & Khalil, 1980. J. BOOMKER | 58 | 271-273 |
| Parasites of South African wildlife. XII. Helminths of nyala, <i>Tragelaphus angasi</i> , in Natal. J. BOOMKER, I. G. HORAK and J. R. B. FLAMAND | 58 | 275-280 |
| Ixodid ticks and lice infesting red duikers and bush pigs in north-eastern Natal. I. G. HORAK, J. BOOMKER and J. R. B. FLAMAND..... | 58 | 281-284 |
| Booyse, D. G | | |
| Parasites of South African wildlife. VI. Helminths of blue duikers, <i>Cephalophus monticola</i> , in Natal. J. BOOMKER, D. G. BOOYSE and M. E. KEEP | 58 | 11-13 |
| Parasites of South African wildlife. VII. Helminths of suni, <i>Neotragus moschatus</i> , in Natal. J. BOOKMER, D. G. BOOYSE and L. E. O. BRAACK..... | 58 | 15-16 |
| Parasites of South African wildlife. VIII. Helminth and arthropod parasites of warthogs, <i>Phacochoerus aethiopicus</i> , in the eastern Transvaal. J. BOOMKER, I. G. HORAK, D. G. BOOYSE and SANTA MEYER | 58 | 195-202 |
| Botha, A. D. | | |
| The antibiotic sensitivity patterns of <i>Bacillus anthracis</i> isolated from the Kruger National Park. M. W. ODENDAAL, P. M. PIETERTSON, V. DE VOS and A. D. BOTHA | 58 | 17-19 |
| The biochemical, morphological and virulence profiles of <i>Bacillus anthracis</i> isolated in the Kruger National Park. M. W. ODENDAAL, P. M. PIETERTSON, V. DE VOS and A. D. BOTHA..... | 58 | 21-26 |
| Botha, C. J. | | |
| Copper toxicity in ruminants: air pollution as a possible cause. B. GUMMOW, C. J. BOTHA, A. T. BASSON and STELLA S. BASTIANELLO | 58 | 33-39 |
| Braack, L. E. O. | | |
| Parasites of South African wildlife VII. Helminths of suni, <i>Neotragus moschatus</i> , in Natal. J. BOOMKER, D. G. BOOYSE and L. E. O. BRAACK..... | 58 | 15-16 |
| Drag-sampling of free-living ixodid ticks in the Kruger National Park. A. M. SPICKETT, I. G. HORAK, L. E. O. BRAACK and H. VAN ARK..... | 58 | 27-32 |

| | Volume | Page |
|---|--------|---------|
| Parasites of domestic and wild animals in South Africa. XXVII. Ticks on helmeted guineafowls in the eastern Cape Province and eastern Transvaal Lowveld. I. G. HORAK, A. M. SPICKETT, L. E. O. BRAACK and E. J. WILLIAMS..... | 58 | 137–143 |
| The prevalence of blood parasites in helmeted guineafowls, <i>Numida meleagris</i> , in the Kruger National Park. R. A. EARLÉ, I. G. HORAK, F. W. HUCHZERMAYER, G. F. BENNETT, L. E. O. BRAACK and B. L. PENZHORN | 58 | 145–147 |
| Spread in South Africa of the Oriental latrine fly <i>Chrysomya megacephala</i> (Fabricius) (Diptera: Calliphoridae), an introduced species closely resembling <i>Chrysomya bezziana</i> Villeneuve. L. E. O. BRAACK | 58 | 311–312 |
| Bragg, R. R. | | |
| Health status of salmonids in river systems in Natal. I. Collection of fish and parasitological examination. R. R. BRAGG | 58 | 59–62 |
| Health status of salmonids in riversystems in Natal. II. Isolation and identification of viruses. R. R. BRAGG..... | 58 | 63–65 |
| Health status of salmonids in river systems in Natal. III. Isolation and identification of bacteria: R. R. BRAGG ... | 58 | 67–70 |
| Isolation and identification of adenovirus 127, the causative agent of egg drop syndrome (EDS) from commercial laying hens in South Africa. R. R. BRAGG, D. M. ALLWRIGHT and L. COETZEE..... | 58 | 309–310 |
| Brett, O. L. | | |
| A serological comparison of complement fixation reactions using <i>Brucella abortus</i> and <i>B. melitensis</i> antigens in <i>B. abortus</i> infected cattle. S. HERR, JANET V. LAWRENCE, O. L. BRETT and L. M. M. RIBEIRO | 58 | 111–114 |
| Brown, J. M. M. | | |
| Photosensitivity in South Africa. VI. The experimental induction of geeldikkop in sheep with crude steroidal saponins from <i>Tribulus terrestris</i> . T. S. KELLERMAN, G. L. ERASMUS, J. A. W. COETZER, J. M. M. BROWN and B. P. MAARTENS | 58 | 47–53 |
| Burger, D. B. | | |
| Sweating sickness: relative curative effect of hyperimmune serum and a precipitated immunoglobulin suspension and immunoblot identification of proposed immunodominant tick salivary gland proteins. A. M. SPICKETT, D. B. BURGER, J. C. CRAUSE, ELIZABETH M. ROUX and A. W. H. NEITZ..... | 58 | 223–226 |
| Claassen, Elmarie | | |
| A reduction in the duration of infection with <i>Trichomonas foetus</i> following vaccination in heifers and the failure to demonstrate a curative effect in infected bulls. S. HERR, L. M. M. RIBEIRO, ELMARIE CLAASSEN and J. G. MYBURGH..... | 58 | 41–45 |
| Coetzee, L. | | |
| Isolation and identification of adenovirus 127, the causative agent of egg drop syndrome (EDS) from commercial laying hens in South Africa. R. R. BRAGG, D. M. ALLWRIGHT and L. COETZEE..... | 58 | 309–310 |
| Coetzer, J. A. W. | | |
| Photosensitivity in South Africa. VI. The experimental induction of geeldikkop in sheep with crude steroidal saponins from <i>Tribulus terrestris</i> . T. S. KELLERMAN, G. L. ERASMUS, J. A. W. COETZER, J. M. M. BROWN and B. P. MAARTENS | 58 | 47–53 |
| Crause, J. C. | | |
| Sweating sickness: relative curative effect of hyperimmune serum and a precipitated immunoglobulin suspension and immunoblot identification of proposed immunodominant tick salivary gland proteins. A. M. SPICKETT, D. B. BURGER, J. C. CRAUSE, ELIZABETH M. ROUX and A. W. H. NEITZ | 58 | 223–226 |
| De Groot, Mia | | |
| The tick-borne rickettsia <i>Cowdria ruminantium</i> has a chlamydia-like developmental cycle. FRANS JONGEJAN, THIJS A. ZANDBERGEN, PAUL A. VAN DE WIEL, MIA DE GROOT and GERRIT UILENBERG..... | 58 | 227–237 |
| Depner, K. | | |
| Prevalence of ruminant pestivirus infections in Namibia. K. DEPNER, O. J. B. HUBSCHLE and B. LIESS..... | 58 | 107–109 |
| De Vos, V. | | |
| The antibiotic sensitivity patterns of <i>Bacillus anthracis</i> isolated from the Kruger National Park. M. W. ODENDAAL, P. M. PIETERSON, V. DE VOS and A. D. BOTHA..... | 58 | 17–19 |
| The biochemical, morphological and virulence profiles of <i>Bacillus anthracis</i> isolated in the Kruger National Park. M. W. ODENDAAL, P. M. PIETERSON, V. DE VOS and A. D. BOTHA..... | 58 | 21–26 |
| Du Plessis, D. H. | | |
| Laboratory confirmation of African horsesickness in the Western Cape: application of a F(ab') ₂ -based indirect ELISA. D. H. DU PLESSIS, W. VAN WYNGAARDT, G. H. GERDES and E. OPPERMAN..... | 58 | 1–3 |
| Du Plessis, J. L. | | |
| T cell-mediated immunity to <i>Cowdria ruminantium</i> in mice: the protective role of Lyt-2 ⁺ T cells. J. L. DU PLESSIS, P. BERCHÉ and L. VAN GAS..... | 58 | 171–179 |
| Earlé, R. A | | |
| The prevalence of blood parasites in helmeted guineafowls, <i>Numida meleagris</i> , in the Kruger National Park. R. A. EARLÉ, I. G. HORAK, F. W. HUCHZERMAYER, G. F. BENNETT, L. E. O. BRAACK and B. L. PENZHORN | 58 | 145–147 |
| Enslin, C. B. | | |
| The effect of tick infestation on the productivity of cows of three breeds of cattle. M. M. SCHOLTZ, A. M. SPICKETT, P. E. LOMBARD and C. B. ENSLIN | 58 | 71–74 |

| | Volume | Page |
|--|--------|---------|
| Erasmus, G. L. | | |
| Photosensitivity in South Africa. VI. The experimental induction of geeldikkop in sheep with crude steroid saponins from <i>Tribulus terrestris</i> . T. S. KELLERMAN, G. L. ERASMUS, J. A. W. COETZER, J. M. M. BROWN and B. P. MAARTENS | 58 | 47–53 |
| Flamand, J. R. B. | | |
| Parasites of South African wildlife. X. Helminths of red duikers, <i>Cephalophus natalensis</i> , in Natal. J. BOOMKER, I. G. HORAK and J. R. B. FLAMAND | 58 | 205–209 |
| Parasites of South African wildlife. XII. Helminths of nyala, <i>Tragelaphus angasii</i> , in Natal. J. BOOMKER, I. G. HORAK and J. R. B. FLAMAND | 58 | 275–280 |
| Ixodid ticks and lice infesting red duikers and bushpigs in north-eastern Natal. I. G. HORAK, J. BOOMKER and J. R. B. FLAMAND | 58 | 281–284 |
| Fourie, L. J. | | |
| Parasites of domestic and wild animals in South Africa. XXVI. The mosaic of ixodid tick infestations on birds and mammals in the Mountain Zebra National Park. I. G. HORAK, L. J. FOURIE, P. A. NOVELLIE and E. A. WILLIAMS | 58 | 125–136 |
| Parasites of domestic and wild animals in South Africa. XXIX. Ixodid ticks on hares in the Cape Province and on hares and red rock rabbits in the Orange Free State. I. G. HORAK and L. J. FOURIE | 58 | 261–270 |
| Fourie, N. | | |
| Cardiomyopathy of ruminants induced by the litter of poultry fed on rations containing the ionophore antibiotic, maduramicin. 1. Epidemiology, clinical signs and clinical pathology. N. FOURIE, STELLA S. BASTIANELLO, L. PROZESKY, P. W. NEL and T. S. KELLERMAN | 58 | 291–296 |
| Gerdes, G. H. | | |
| Laboratory confirmation of African horsesickness in the Western Cape: application of a F(ab') ₂ -based indirect ELISA. D. H. DU PLESSIS, W. VAN WYNGAARDT, G. H. GERDES and E. OPPERMANN | 58 | 1–3 |
| Groeneveld, H. T. | | |
| Overberg research projects. X. Faecal egg counts in the interpretation of nematode worm burdens in sheep. R. K. REINECKE and H. T. GROENEVELD | 58 | 149–153 |
| Gummow, B. | | |
| Copper toxicity in ruminants: air pollution as a possible cause. B. GUMMOW, C. J. BOTHA, A. T. BASSON and STELLA S. BASTIANELLO | 58 | 33–39 |
| Hart, Alet | | |
| Ultrastructural morphology of <i>Cowdria ruminantium</i> in midgut epithelial cells of adult <i>Amblyomma hebraeum</i> female ticks. ALET HART, KATHERINE M. KOCAN, J. D. BEZUIDENTHOUT and L. PROZESKY | 58 | 187–193 |
| Herr, S. | | |
| A reduction in the duration of infection with <i>Trichomonas foetus</i> following vaccination in heifers and the failure to demonstrate a curative effect in infected bulls. S. HERR, L. M. M. RIBEIRO, ELMARIE CLAASSEN and J. G. MYBURGH | 58 | 41–45 |
| A serological comparison of complement fixation reactions using <i>Brucella abortus</i> and <i>B. melitensis</i> antigens in <i>B. abortus</i> infected cattle. S. HERR, JANET, V. LAWRENCE, O. L. BRETT and L. M. M. RIBEIRO | 58 | 111–114 |
| Hill, Elaine | | |
| The use of membrane feeding technique to determine the infection rate of <i>Culicoides imicola</i> (Diptera: Ceratopogonidae) for 2 bluetongue virus serotypes in South Africa. G. J. VENTER, ELAINE HILL, I. T. P. PAJOR and E. M. NEVILL | 58 | 5–9 |
| Horak, I. G. | | |
| Drag-sampling of free-living ixodid ticks in the Kruger National Park. A. M. SPICKETT, I. G. HORAK, L. E. O. BRAACK and H. VAN ARK | 58 | 27–32 |
| Parasites of domestic and wild animals in South Africa. XXV. Ixodid ticks on sheep in the north-eastern Orange Free State and in the eastern Cape Province. I. G. HORAK, E. J. WILLIAMS and P. C. VAN SCHALKWYK | 58 | 115–123 |
| Parasites of domestic and wild animals in South Africa. XXVI. The mosaic of ixodid tick infestations on birds and mammals in the Mountain Zebra National Park. I. G. HORAK, L. J. FOURIE, P. A. NOVELLIE and E. A. WILLIAMS | 58 | 125–136 |
| Parasites of domestic and wild animals in South Africa. XXVII. Ticks on helmeted guineafowls in the eastern Cape Province and eastern Transvaal Lowveld. I. G. HORAK, A. M. SPICKETT, L. E. O. BRAACK and E. J. WILLIAMS | 58 | 137–143 |
| The prevalence of blood parasites in helmeted guineafowls, <i>Numida meleagris</i> , in the Kruger National Park. R. A. EARLÉ, I. G. HORAK, F. W. HÜCHZERMEYER, G. F. BENNETT, L. E. O. BRAACK and B. L. PENZHORN | 58 | 145–147 |
| Parasites of South African wildlife. VIII. Helminth and arthropod parasites of warthogs, <i>Phacochoerus aethiopicus</i> , in the eastern Transvaal. J. BOOMKER, I. G. HOARK, D. G. BOOYSE and SANTA MEYER | 58 | 195–202 |
| Parasites of South African wildlife. IX. Helminths of kudu <i>Tragelaphus strepsiceros</i> , in the eastern Cape Province. J. BOOMKER, I. G. HORAK and M. M. KNIGHT | 58 | 203–204 |
| Parasites of South African wildlife. X. Helminths of red duikers, <i>Cephalophus natalensis</i> , in Natal. J. BOOMKER, I. G. HORAK and J. R. B. FLAMAND | 58 | 205–209 |
| Parasites of domestic and wild animals in South Africa XXVIII. Helminths and arthropod parasites of Angora goats and kids in Valley Bushveld. I. G. HORAK, M. M. KNIGHT and E. J. WILLIAMS | 58 | 253–260 |

| | Volume | Page |
|--|--------|---------|
| Parasites of domestic and wild animals in South Africa. XXIX. Ixodid ticks on hares in the Cape Province and on hares and red rock rabbits in the Orange Free State. I. G. HORAK and L. J. FOURIE | 58 | 261–270 |
| Parasites of South African wildlife. XII. Helminths of nyala, <i>Tragelaphus angasii</i> , in Natal. J. BOOMKER, I. G. HORAK and J. R. B. FLAMAND | 58 | 275–280 |
| Ixodid ticks and lice infesting red duikers and bush-pigs in north-eastern Natal. I. G. HORAK, J. BOOMKER and J. R. B. FLAMAND | 58 | 281–284 |
| Hubschle, O. J. B. | | |
| Prevalence of ruminant pestivirus infections in Namibia. K. DEPNER, O. J. B. HUBSCHLE and B. LIESS | 58 | 107–109 |
| Huchzermeyer, F. W. | | |
| The prevalence of blood parasites in helmeted guineafowls, <i>Numida meleagris</i> , in the Kruger National Park. R. A. EARLÉ, I. G. HORAK, F. W. HUCHZERMEYER, G. F. BENNETT, L. E. O. BRAACK and B. L. PENZHORN | 58 | 145–147 |
| Jongejan, Frans | | |
| The tick-borne rickettsia <i>Cowdria ruminantium</i> has a chlamydia-like developmental cycle. FRANS JONGEJAN, THIJS A. ZANDBERGEN, PAUL A. VAN DE WIEL, MIA DE GROOT and GERRIT UILENBERG | 58 | 227–237 |
| Keep, M. E. | | |
| Parasites of South African wildlife. VI. Helminths of blue duikers, <i>Cephalophus monticola</i> , in Natal. J. BOOMKER, D. G. BOOYSE and M. E. KEEP | 58 | 11–13 |
| Kellerman, T. S. | | |
| Photosensitivity in South Africa. VI. The experimental induction of geeldikkop in sheep with crude steroid saponins from <i>Tribulus terrestris</i> . T. S. KELLERMAN, G. L. ERASMUS, J. A. W. COETZER, J. M. M. BROWN and B. P. MAARTENS | 58 | 47–53 |
| Cardiomyopathy of ruminants induced by the litter of poultry fed on rations containing the ionophore antibiotic, maduramicin. 1. Epidemiology, clinical signs and clinical pathology. N. FOURIE, STELLA S. BASTIANELLO, L. PROZESKY, P. W. NEL and T. S. KELLERMAN | 58 | 291–296 |
| Perinatal mortality in lambs of ewes exposed to cultures of <i>Diplodia maydis</i> (= <i>Stenocarpella maydis</i>) during gestation. T. S. KELLERMAN, L. PROZESKY, R. ANITA SCHULTZ, C. J. RABIE H. VAN ARK, B. P. MAARTENS and ANNELIE LÜBBEN | 58 | 297–308 |
| Kitching, J. P. | | |
| The pathology of <i>Cestrum laevigatum</i> (Schlechtd) poisoning in cattle. J. J. VAN DER LUGT, P. W. NEL and J. P. KITCHING | 58 | 211–221 |
| Kocan, Katherine M. | | |
| Ultrastructural morphology of <i>Cowdria ruminantium</i> in midgut epithelial cells of adult <i>Amblyomma hebraeum</i> female ticks. ALET HART, KATHERINE M. KOCAN, J. D. BEZUIDENHOUT and L. PROZESKY | 58 | 187–193 |
| Kock, M. | | |
| Reproductive parameters in free-ranging female black rhinoceroses (<i>Diceros bicornis</i>) in Zimbabwe. N. KOCK, D. MORTONE and M. KOCK | 58 | 55–57 |
| Kock, N. | | |
| Reproductive parameters in free-ranging female black rhinoceroses (<i>Diceros bicornis</i>) in Zimbabwe. N. KOCK, D. MORTONE and M. KOCK | 58 | 55–57 |
| Kostrzewski, M. W. | | |
| The relative resistance of six cattle breeds to the tick <i>Boophilus decoloratus</i> in South Africa. Y. RECHAV and M. W. KOSTRZEWSKI | 58 | 181–186 |
| Knight, M. M. | | |
| Parasites of South African wildlife. IX. Helminths of kudu <i>Tragelaphus strepsiceros</i> , in the eastern Cape Province. J. BOOMKER, I. G. HORAK and M. M. KNIGHT | 58 | 203–204 |
| Parasites of domestic and wild animals in South Africa. XXVIII. Helminths and arthropod parasites of Angora goats and kids in Valley Bushveld. I. G. HORAK, M. M. KNIGHT and E. J. WILLIAMS | 58 | 253–260 |
| Lawrence, Janet V. | | |
| A serological comparison of complement fixation reactions using <i>Brucella abortus</i> and <i>B. melitensis</i> antigens in <i>B. abortus</i> infected cattle. S. HERR, JANET V. LAWRENCE, O. L. BRETT and L. M. M. RIBEIRO | 58 | 111–114 |
| Liess, B. | | |
| Prevalence of ruminant pestivirus infections in Namibia. K. DEPNER, O. J. B. HUBSCHLE and B. LIESS | 58 | 107–109 |
| Lombard, P. E. | | |
| The effect of tick infestation on the productivity of cows of three breeds of cattle. M. M. SCHOLTZ, A. M. SPICKETT, P. E. LOMBARD and C. B. ENSLIN | 58 | 71–74 |
| Lourens, Mardi | | |
| Overberg research projects. XI. First stage larval reduction test to assess. anthelmintic efficacy ante mortem in sheep. R. K. REINECKE, MARDI LOURENS and BERTHEA PETERSEN | 58 | 285–290 |
| Lübben, Annelie | | |
| Perinatal mortality in lambs of ewes exposed to cultures of <i>Diplodia maydis</i> (= <i>Stenocarpella maydis</i>) during gestation. T. S. KELLERMAN, L. PROZESKY, R. ANITRA SCHULTZ, C. J. RABIE, H. VAN ARK, B. P. MAARTENS and ANNELIE LÜBBEN | 58 | 297–308 |

| | | |
|---|----|---------|
| Maartens, B. P. | | |
| Photosensitivity in South Africa. VI. The experimental induction of geeldikkop in sheep with crude steroid saponins from <i>Tribulus terrestris</i> . T. S. KELLERMAN, G. L. ERASMUS, J. A. W. COETZER, J. M. M. BROWN and B. P. MAARTENS | 58 | 47-53 |
| Perinatal mortality in lambs of ewes exposed to cultures of <i>Diplodia maydis</i> (= <i>Stenocarpella maydis</i>) during gestation. T. S. KELLERMAN, L. PROZESKY, R. ANITRA SCHULTZ, C. J. RABIE, H. VAN ARK, B. P. MAARTENS and ANNELIE LÜBBEN | 58 | 297-308 |
| Meiswinkel, R. | | |
| Afrotropical <i>Culicoides</i> : <i>C. (Avaritia) miombo</i> sp. nov., a widespread species closely allied to <i>C. (A.) imicola</i> Kieffer, 1913 (Diptera: Ceratopogonidae). R. MEISWINKEL..... | 58 | 155-170 |
| Meyer, Santa | | |
| Parasites of South African wildlife. VIII. Helminth and arthropod parasites of warthogs, <i>Phacochoerus aethiopicus</i> , in the eastern Transvaal. J. BOOMKER, I. G. HORAK, D. G. BOOYSE and SANTA MEYER | 58 | 195-202 |
| Mortone, D. | | |
| Reproductive parameters in free-ranging female black rhinoceroses (<i>Diceros bicornis</i>) in Zimbabwe. N. KOCK, D. MORTONE and M. KOCK | 58 | 55-57 |
| Myburgh, J. G. | | |
| A reduction in the duration of infection with <i>Trichomonas foetus</i> following vaccination in heifers and the failure to demonstrate a curative effect in infected bulls. S. HERR, L. M. M. RIBEIRO, ELMARIE CLAASSEN and J. G. MYBURGH..... | 58 | 41-45 |
| Neitz, A. W. H. | | |
| Sweating sickness: relative curative effect of hyperimmune serum and a precipitated immunoglobulin suspension and immunoblot identification of proposed immunodominant tick salivary gland proteins. A. M. SPICKETT, D. B. BURGER, J. C. CRAUSE, ELIZABETH M. ROUX and A. W. H. NEITZ | 58 | 223-226 |
| Nell, P. W. | | |
| The pathology of <i>Cestrum laevigatum</i> (Schlechtd) poisoning in cattle. J. J. VAN DER LUGT, P. W. NEL and J. P. KITCHING | 58 | 211-221 |
| Cardiomyopathy of ruminants induced by the litter of poultry fed on rations containing the ionophore antibiotic, maduramicin. 1. Epidemiology, clinical signs and clinical pathology. N. FOURIE, STELLA S. BASTIANELLO, L. PROZESKY, P. W. NEL and T. S. KELLERMAN | 58 | 291-296 |
| Nevill, E. M. | | |
| The use of a membrane feeding technique to determine the infection rate of <i>Culicoides imicola</i> (Diptera: Ceratopogonidae) for 2 bluetongue virus serotypes in South Africa. G. J. VENTER, ELAINE HILL, I. T. P. PAJOR and E. M. NEVILL | 58 | 5-9 |
| Novellie, P. A. | | |
| Parasites of domestic and wild animals in South Africa. XXVI. The mosaic of ixodid tick infestations on birds and mammals in the Mountain Zebra National Park. I. G. HORAK, L. J. FOURIE, P. A. NOVELLIE and E. A. WILLIAMS..... | 58 | 125-136 |
| Odendaal, M. W. | | |
| The antibiotic sensitivity patterns of <i>Bacillus anthracis</i> isolated from the Kruger National Park. M. W. ODENDAAL, P. M. PIETERSON, V. DE VOS and A. D. BOTHА..... | 58 | 17-19 |
| The biochemical, morphological and virulence profiles of <i>Bacillus anthracis</i> isolated in the Kruger National Park. M. W. ODENDAAL, P. M. PIETERSON, V. DE VOS and A. D. BOTHА..... | 58 | 21-26 |
| Opperman, E. | | |
| Laboratory confirmation of African horsesickness in the Western Cape: application of a F(ab') ₂ -based indirect ELISA. D. H. DU PLESIS, W. VAN WYNGAARDT, G. H. GERDES and E. OPPERMAN..... | 58 | 1-3 |
| Pajor, I. T. P. | | |
| The use of a membrane feeding technique to determine the infection rate of <i>Culicoides imicola</i> (Diptera: Ceratopogonidae) for 2 bluetongue virus serotypes in South Africa. G. J. VENTER, ELAINE HILL, I. T. P. PAJOR and E. M. NEVILL | 58 | 5-9 |
| Pentzhorn, B. L. | | |
| The prevalence of blood parasites in helmeted guineafowls, <i>Numida meleagris</i> , in the Kruger National Park. R. A. EARLÉ, I. G. HORAK, F. W. HUCHZERMAYER, G. F. BENNETT, L. E. O. BRAACK and B. L. PENZHORN | 58 | 145-147 |
| Petersen, Bethea | | |
| Overberg research projects. XI. First stage larval reduction test to assess, anthelmintic efficacy ante mortem in sheep. R. K. REINECKE, MARDI LOURENS and BETHEA PETERSEN | 58 | 285-290 |
| Pieterson, P. M. | | |
| The antibiotic sensitivity patterns of <i>Bacillus anthracis</i> isolated from the Kruger National Park. M. W. ODENDAAL, P. M. PIETERSON, V. DE VOS and A. D. BOTHА..... | 58 | 17-19 |
| The biochemical, morphological and virulence profiles of <i>Bacillus anthracis</i> isolated in the Kruger National Park. M. W. ODENDAAL, P. M. PIETERSON, V. DE VOS and A. D. BOTHА..... | 58 | 21-26 |

Prinsloo, J. F.

- Treatment of *Cyprinus carpio* L. and *Clarias gariepinus* (Burchell) embryos with formalin and malachite green: effect of concentration and length of treatment on their survival. J. THERON, J. F. PRINSLOO and H. J. SCHOONBEE..... 58 239–243

- Investigations into the effects of concentration and duration of exposure to formalin and malachite green on the survival of the larvae and juveniles of the common carp *Cyprinus carpio* L. and the sharptooth catfish *Clarias gariepinus* (Burchell). J. THERON, J. F. PRINSLOO and H. J. SCHOONBEE..... 58 245–251

Prozesky, L.

- Ultrastructural morphology of *Cowdria ruminantium* in midgut epithelial cells of adult *Amblyomma hebraeum* female ticks. ALET HART, KATHERINE M. KOCAN, J. D. BEZUIDENHOUT and L. PROZESKY..... 58 187–193

- Cardiomyopathy of ruminants induced by the litter of poultry fed on rations containing the ionophore antibiotic, maduramicin. I. Epidemiology, clinical signs and clinical pathology. N. FOURIE, STELLA S. BASTIANELLO, L. PROZESKY, P. W. NEL and T. S. KELLERMAN

- Perinatal mortality in lambs of ewes exposed to cultures of *Diplodia maydis* (= *Stenocarpella maydis*) during gestation. T. S. KELLERMAN, L. PROZESKY, R. ANITRA SCHULTZ, C. J. RABIE, H. VAN ARK, B. P. MAARTENS and ANNELIE LÜBBEN

Rabie, C. J.

- Perinatal mortality in lambs of ewes exposed to cultures of *Diplodia maydis* (= *Stenocarpella maydis*) during gestation. T. S. KELLERMAN, L. PROZESKY, R. ANITRA SCHULTZ, C. J. RABIE, H. VAN ARK, B. P. MAARTENS and ANNELIE LÜBBEN..... 58 297–308

Rechav, Y.

- The relative resistance of six cattle breeds to the tick *Boophilus decoloratus* in South Africa. Y. RECHAV and M. W. KOSTRZEWSKI..... 58 181–186

Reinecke, R. K.

- Overberg research projects. X. Faecal egg counts in the interpretation of nematode worm burdens in sheep. R. K. REINECKE and H. T. GROENEVELD

- Overberg research projects. XI. First stage larval reduction test to assess, anthelmintic efficacy ante mortem in sheep. R. K. REINECKE, MARDI LOURENS and BETHEA PETERSEN

Ribeiro, L. M. M.

- A reduction in the duration of infection with *Trichomonas foetus* following vaccination in heifers and the failure to demonstrate a curative effect in infected bulls. S. HERR, L. M. M. REBEIRO, ELMARIE CLASSEN and J. G. MYBURGH..... 58 41–45

- A serological comparison of complement fixation reactions using *Brucella abortus* and *B. melitensis* antigens in *B. abortus* infected cattle. S. HERR, JANET V. LAWRENCE, O. L. BRETT and I. M. M. RIBEIRO

Roux, Elizabeth M.

- Sweating sickness: relative curative effect of hyperimmune serum and a precipitated immunoglobulin suspension and immunoblot identification of proposed immunodominant tick salivary gland proteins. A. M. SPICKETT, D. B. BURGER, J. C. CRAUSE, ELIZABETH M. ROUX and A. W. H. NEITZ

58 223–226

Scholtz, M. M.

- The effect of tick infestation on the productivity of cows of three breeds of cattle. M. M. SCHOLTZ, A. M. SPICKETT, P. E. LOMBARD and C. B. ENSLIN

58 71–74

Schoonbee, H. J.

- Treatment of *Cyprinus carpio* L. and *Clarias gariepinus* (Burchell) embryos with formalin and malachite green: effect of concentration and length of treatment on their survival. J. THERON, J. F. PRINSLOO and H. J. SCHOONBEE..... 58 239–243

- Investigations into the effects of concentration and duration of exposure to formalin and malachite green on the survival of the larvae and juveniles of the common carp *Cyprinus carpio* L. and the sharptooth catfish *Clarias gariepinus* (Burchell). J. THERON, J. F. PRINSLOO and H. J. SCHOONBEE

58 245–251

Schultz, R. Anita

- Perinatal mortality in lambs of ewes exposed to cultures of *Diplodia maydis* (= *Stenocarpella maydis*) during gestation. T. S. KELLERMAN, L. PROZESKY, R. ANITRA SCHULTZ, C. J. RABIE, H. VAN ARK, B. P. MAARTENS and ANNELIE LÜBBEN

58 297–308

Spickett, A. M.

- Drag-sampling of free-living ixodid ticks in the Kruger National Park. A. M. SPICKETT, I. G. HORAK, L. E. O. BRAACK and H. VAN ARK..... 58 27–32

- The effect of tick infestation on the productivity of cows of three breeds of cattle. M. M. SCHOLTZ, A. M. SPICKETT, P. E. LOMBARD and C. B. ENSLIN

58 71–74

- Parasites of domestic and wild animals in South Africa. XXVII. Ticks on helmeted guineafowls in the eastern Cape Province and eastern Transvaal Lowveld. I. G. HORAK, A. M. SPICKETT, L. E. O. BRAACK and E. J. WILLIAMS..... 58 137–143

- Sweating sickness: relative curative effect of hyperimmune serum and a precipitated immunoglobulin suspension and immunoblot identification of proposed immunodominant tick salivary gland proteins. A. M. SPICKETT, D. B. BURGER, J. C. CRAUSE, ELIZABETH M. ROUX and A. W. H. NEITZ

58 223–226

| | Volume | Page |
|--|--------|---------|
| Theron, J. | | |
| Treatment of <i>Cyprinus carpio</i> L. and <i>Clarias gariepinus</i> (Burchell) embryos with formalin and malachite green: effect of concentration and length of treatment on their survival. J. THERON, J. F. PRINSLOO and H. J. SCHOONBEE..... | 58 | 239–243 |
| Investigations into the effects of concentration and duration of exposure to formalin and malachite green on the survival of the larvae and juveniles of the common carp <i>Cyprinus carpio</i> L. and the sharptooth catfish <i>Clarias gariepinus</i> (Burchell). J. THERON, J. F. PRINSLOO and H. J. SCHOONBEE..... | 58 | 245–251 |
| Uilenberg, Gerrit | | |
| The tick-borne rickettsia <i>Cowdria ruminantium</i> has a chlamydia-like developmental cycle. FRANS JONGEJAN, THIJS A. ZANDBERGEN, PAUL A. VAN DE WIEL, MIA DE GROOT and GERRIT UILENBERG..... | 58 | 227–237 |
| Van Ark, H. | | |
| Drag-sampling of free-living ixodid ticks in the Kruger National Park. A. M. SPICKETT, I. G. HORAK, L. E. O. BRAACK and H. VAN ARK..... | 58 | 27–32 |
| Perinatal mortality in lambs of ewes exposed to cultures of <i>Diploidia maydis</i> (= <i>Stenocarpella maydis</i>) during gestation. T. S. KELLERMAN, L. PROZESKY, R. ANITRA SCHULTZ, C. J. RABIE, H. VAN ARK, B. P. MAARTENS and ANNELIE LÜBBEN | 58 | 297–308 |
| Van der Lugt, J. J. | | |
| The pathology of <i>Cestrum laevigatum</i> (Schlechtd) poisoning in cattle. J. J. VAN DER LUGT, P. W. NEL and J. P. KITCHING | 58 | 211–221 |
| Van de Wiel, Paul A. | | |
| The tick-borne rickettsia <i>Cowdria ruminantium</i> has a chlamydia-like developmental cycle. FRANS JONGEJAN, THIJS A. ZANDBERGEN, PAUL A. VAN DE WIEL, MIA DE GROOT and GERRIT UILENBERG..... | 58 | 227–237 |
| Van Gas, L. | | |
| T cell-mediated immunity to <i>Cowdria ruminantium</i> in mice: the protective role of Lyt-2 ⁺ T cells. J. L. DU PLESSIS, P. BERCHÉ and L. VAN GAS..... | 58 | 171–179 |
| Van Schalkwyk, P. C. | | |
| Parasites of domestic and wild animals in South Africa. XXV. Ixodid ticks on sheep in the north-eastern Orange Free State and in the eastern Cape Province. I. G. HORAK, E. J. WILLIAMS and P. C. VAN SCHALKWYK | 58 | 115–123 |
| Van Wyngaard, W. | | |
| Laboratory confirmation of African horsesickness in the Western Cape: application of a F(ab') ₂ -based indirect ELISA. D. H. DU PLESSIS, W. VAN WYNGAARDT, G. H. GERDES and E. OPPERMANN..... | 58 | 1–3 |
| Venter, G. J. | | |
| The use of a membrane feeding technique to determine the infection rate of <i>Culicoides imicola</i> (Diptera: Ceratopogonidae) for 2 bluetongue virus serotypes in South Africa. G. J. VENTER, ELAINE HILL, I. T. P. PAJOR and E. M. NEVILL | 58 | 5–9 |
| Walker, Jane B. | | |
| A review of the ixodid ticks (Acari, Ixodidae) occurring in Southern Africa. JANE B. WALKER | 58 | 81–105 |
| Williams, E. J. | | |
| Parasites of domestic and wild animals in South Africa. XXV. Ixodid ticks on sheep in the north-eastern Orange Free State and in the eastern Cape Province. I. G. HORAK, E. J. WILLIAMS and P. C. VAN SCHALKWYK | 58 | 115–123 |
| Parasites of domestic and wild animals in South Africa. XXVI. The mosaic of ixodid tick infestations on birds and mammals in the Mountain Zebra National Park. I. G. HORAK, L. J. FOURIE, P. A. NOVELLIE and E. A. WILLIAMS..... | 58 | 125–136 |
| Parasites of domestic and wild animals in South Africa. XXVII. Ticks on helmeted guineafowls in the eastern Cape Province and eastern Transvaal Lowveld. I. G. HORAK, A. M. SPICKETT, L. E. O. BRAACK and E. J. WILLIAMS..... | 58 | 137–143 |
| Parasites of domestic and wild animals in South Africa. XXVIII. Helminths and arthropod parasites of Angora goats and kids in Valley Bushveld. I. G. HORAK, M. M. KNIGHT and E. J. WILLIAMS | 58 | 253–260 |
| Winterbach, Hanlie E. K. | | |
| A gas-chromatographic headspace method for the determination of acetone in bovine milk, blood and urine. HANLIE E. K. WINTERBACH and P. J. APPS | 58 | 75–79 |
| Zandbergen, Thijs A. | | |
| The tick-borne rickettsia <i>Cowdria ruminantium</i> has a chlamydia-like developmental cycle. FRANS JONGEJAN, THIJS A. ZANDBERGEN, PAUL A., VAN DE WIEL, MIA DE GROOT and GERRIT UILENBERG..... | 58 | 227–237 |