

SUBJECT INDEX

	Volume	Page
<b>Aegyptianella pullorum</b>		
Freeze-drying of <i>Aegyptianella pullorum</i> , R. A. BARTKOWIAK, F. W. HUCHZERMAYER, F. T. POTGIETER, L. VAN RENSBURG, F. J. LABUSCHAGNE and B. J. VAN BILJON.....	55	125–126
<b>Aerobic metabolism</b>		
Aerobic metabolism of trehalose in the taxonomy of coagulase negative staphylococci. J. A. ERASMUS.....	55	73–74
<b>Alternating current</b>		
The use of electronarcosis as anaesthetic in the cichlid, <i>Oreochromis mossambicus</i> (Peters). II. The effects of changing physical and electrical parameters on the narcotizing ability of alternating current. W. T. BARHAM, H. J. SCHOOMBEE and J. G. J. VISSER .....	55	205–215
<b>Amblyomma hebraeum</b>		
The developmental success of <i>Amblyomma hebraeum</i> and <i>Amblyomma marmoreum</i> on the leopard tortoise, <i>Geochelone pardalis</i> . KATHY M. DOWER, T. N. PETNEY and I. G. HORAK.....	55	11–13
The use of domestic chickens as laboratory hosts of the larvae of the bont tick, <i>Amblyomma hebraeum</i> . A. D. HOLLEY and T. N. PETNEY.....	55	75–76
Aggregation pheromones of the bont tick <i>Amblyomma hebraeum</i> : identification of candidates for bioassay. P. J. APPS, H. W. VILJOEN and V. PRETORIUS.....	55	135–137
The presence of <i>Cowdria ruminantium</i> antigen in various tissues of <i>Amblyomma hebraeum</i> imagines as detected by an enzyme-linked immunosorbent assay. G. J. VILJOEN, A. W. H. NEITZ, J. D. BEZUIDENHOUT, P. T. OBEREM and N. M. J. VERMEULEN .....	55	239–240
<b>Amblyomma marmoreum</b>		
The developmental success of <i>Amblyomma hebraeum</i> and <i>Amblyomma marmoreum</i> on the leopard tortoise, <i>Geochelone pardalis</i> . KATHY M. DOWER, T. N. PETNEY and I. G. HORAK.....	55	11–13
<b>Amplitude</b>		
Experimental gallop rhythm in sheep with gousiekte: Correlation of changes in amplitude with haemodynamic parameters. P. J. PRETORIUS, J. M. VAN ROOYEN, J. C. J. VAN RYSSEN and J. P. MINNAAR .....	55	221–225
<b>Anaesthetic</b>		
The use of electronarcosis as anaesthetic in the cichlid, <i>Oreochromis mossambicus</i> (Peters). II. The effects of changing physical and electrical parameters on the narcotizing ability of alternating current. W. T. BARHAM, H. J. SCHOOMBEE and J. G. J. VISSER .....	55	205–215
<b>Anaplasma marginale</b>		
Hybridization of DNA probes to <i>A. marginale</i> isolates from different sources and detection in <i>Dermacentor andersoni</i> ticks. R. E. AMBROSIO, ELIZABETH S. VISSER, YOLANDA KOEKHOVEN and KATHERINE M. KOCAN .....	55	227–229
<b>Antibodies</b>		
Immunization procedure-related immunoglobulin levels in the development of antibodies against <i>Cysticercus cellulosae</i> . G. CONTRAFATTO and M. D. PAMMENTER .....	55	169–172
<b>Arthropod parasites</b>		
Arthropod parasites of common reedbeek, <i>Redunca arundinum</i> , in Natal. I. G. HORAK, M. E. KEEP, J. R. B. FLAMAND and J. BOOMKER .....	55	19–22
Parasites of domestic and wild animals in South Africa. XXIII. Helminth and arthropod parasites of warthogs, <i>Phacochoerus aethiopicus</i> , in the eastern Transvaal Lowveld. I. G. HORAK, J. BOOMKER, V. DE VOS and F. T. POTGIETER .....	55	145–152
<b>Ascites</b>		
Ascites and the anatomy of the peritoneal sacs of broilers. A. J. BEZUIDENHOUT.....	55	23–25
<b>Avian pulmonary hypertension syndrome</b>		
Avian pulmonary hypertension syndrome. IV. Increased right ventricular mass in turkeys experimentally infected with <i>Plasmodium durae</i> . F. W. HUCHZERMAYER .....	55	107–108
<b>Babesia caballi</b>		
Isolation of pure <i>Babesia equi</i> and <i>Babesia caballi</i> organisms in splenectomised horses from endemic areas in South Africa. D. T. DE WAAL, J. VAN HEERDEN, S. S. VAN DEN BERG, G. F. STEGMANN and F. T. POTGIETER.....	55	33–35
<b>Babesia equi</b>		
Isolation of pure <i>Babesia equi</i> and <i>Babesia caballi</i> organisms in splenectomised horses from endemic areas in South Africa. D. T. DE WAAL, J. VAN HEERDEN, S. S. VAN DEN BERG, G. F. STEGMANN and F. T. POTGIETER.....	55	33–35
<b>Babesia occultans</b>		
An ultrastructural study of the development of <i>Babesia occultans</i> in the salivary glands of adult <i>Hyalomma marginatum rufipes</i> . E. F. BLOUIN and LYNN VAN RENSBURG .....	55	93–100

## BHK<sub>21</sub> monolayer system

The suitability of a rolled BHK <sub>21</sub> monolayer system for the production of vaccines against the SAT types of foot-and-mouth disease virus. I. Adaptation of virus isolates to the system, immunogen yields achieved and assessment of subtype cross reactivity. J. J. ESTERHUYSEN, G. R. THOMSON, W. A. ASHFORD, D. W. LENTZ, M. D. GAINARU, A. J. SAYER, C. D. MEREDITH, D. JANSE VAN RENSBURG and A. PINI .....	55	77-84
<b>Bioassay</b>		
Aggregation pheromones of the bont tick <i>Amblyomma hebraeum</i> : identification of candidates for bioassay. P. J. APPS, H. W. VILJOEN and V. PRETORIUS .....	55	135-137
<b>Blood chemistry</b>		
The clinical pathology of heartwater. I. Haematology and blood chemistry. S. R. VAN AMSTEL, F. REYERS, A. J. GUTHRIE, P. T. OBEREM and H. BERTSCHINGER .....	55	37-45
<b>Bont tick</b>		
The use of domestic chickens as laboratory hosts of the larvae of the bont tick, <i>Amblyomma hebraeum</i> . A. D. HOLLEY and T. N. PETNEY .....	55	75-76
Aggregation pheromones of the bont tick <i>Amblyomma hebraeum</i> : identification of candidates for bioassay. P. J. APPS, H. W. VILJOEN and V. PRETORIUS .....	55	135-137
<b>Broilers</b>		
Broiler pulmonary hypertension syndrome. III. Commercial broiler strains differ in their susceptibility. F. W. HUCHZERMEYER, AN M. C. DE RUYCK and H. VAN ARK .....	55	5-9
Ascites and the anatomy of the peritoneal sacs of broilers. A. J. BEZUIDENHOUT .....	55	23-25
<b>Broiler pulmonary hypertension syndrome</b>		
Broiler pulmonary hypertension syndrome. III. Commercial broiler strains differ in their susceptibility. F. W. HUCHZERMEYER, AN M. C. DE RUYCK and H. VAN ARK .....	55	5-9
<b>Brucella abortus Strain 99</b>		
An ELISA using an SDS extract of <i>Brucella abortus</i> Strain 99 as antigen to detect <i>B. abortus</i> antibodies in cattle sera. CATHERINE C. WILLIAMSON, P. T. OBEREM, C. POERSTAMPER, D. T. DE WAAL, O. MATTHEE and O. L. BRETT .....	55	1-3
<b>Brucella melitensis Rev. 1</b>		
The characteristics of a variant strain of <i>Brucella melitensis</i> Rev. 1. P. M. PIETERSON, B. GUMMOW, S. PEFANIS, CATHARINA G. VENTER and S. HERR .....	55	15-17
The isolation and serology of the "FSA" <i>Brucella melitensis</i> Rev. 1 mutant in a flock of sheep. S. M. PEFANIS, B. GUMMOW, P. M. PIETERSON, CATHERINE C. WILLIAMSON, CATHARINA G. VENTER and S. HERR .....	55	181-183
<b>Buphagus africanus</b>		
Comparative feeding behaviour and food preferences of oxpeckers ( <i>Buphagus erythrorhynchus</i> and <i>B. africanus</i> ) in captivity. IRENE M. STUTTERHEIM, J. D. BEZUIDENHOUT and E. G. R. ELLIOTT .....	55	173-179
<b>Buphagus erythrorhynchus</b>		
Comparative feeding behaviour and food preferences of oxpeckers ( <i>Buphagus erythrorhynchus</i> and <i>B. africanus</i> ) in captivity. IRENE M. STUTTERHEIM, J. D. BEZUIDENHOUT and E. G. R. ELLIOTT .....	55	173-179
<b>Calves</b>		
The clinical pathology of heartwater. II. Studies on cardiac and pulmonary function in 4 calves with experimentally-induced heartwater. S. R. VAN AMSTEL, A. J. GUTHRIE, P. T. OBEREM, VALERIE M. KILLEEN and O. MATTHEE .....	55	109-116
Susceptibility to heartwater of calves born to non-immune cows. J. L. DU PLESSIS and LETTIA MALAN .....	55	235-237
<b>Campylobacter hyointestinalis</b>		
The isolation of <i>Campylobacter hyointestinalis</i> from a pig in South Africa. MARTHA L. VAN DER WALT and J. J. VAN DER LUGT .....	55	85-87
<b>Campylobacter mucosalis</b>		
The first isolation of <i>Campylobacter mucosalis</i> from pigs in South Africa. MARTHA L. VAN DER WALT, B. T. SPENCER and R. K. LOVEDAY .....	55	165-168
<b>Cardiac function</b>		
The clinical pathology of heartwater. II. Studies on cardiac and pulmonary function in 4 calves with experimentally-induced heartwater. S. R. VAN AMSTEL, A. J. GUTHRIE, P. T. OBEREM, VALERIE M. KILLEEN and O. MATTHEE .....	55	109-116
<b>Cardiotoxicosis</b>		
A field outbreak in Ile-de-France sheep of a cardiotoxicosis caused by the plant <i>Pachystigma pygmaeum</i> (Schltr) Robyns (Rubiaceae). L. PROZESKY, N. FOURIE, J. A. NESER and P. W. NEL .....	55	193-196
<b>Catarrhal fever</b>		
Wildebeest-derived malignant catarrhal fever: unusual epidemiology in South Africa. B. J. H. BARNARD and H. E. VAN DE PYPEKAMP .....	55	69-71
<b>Cattle</b>		
An ELISA using an SDS extract of <i>Brucella abortus</i> Strain 99 as antigen to detect <i>B. abortus</i> antibodies in cattle sera. CATHERINE C. WILLIAMSON, P. T. OBEREM, C. POERSTAMPER, D. T. DE WAAL, O. MATTHEE and O. L. BRETT .....	55	1-3
Failure of <i>Haematobia thiroxi potans</i> (Bezzi) to transmit foot-and-mouth disease virus mechanically between viraemic and susceptible cattle. G. R. THOMSON, B. M. DOUBE, L. E. O. BRAAK, M. D. GAINARU and R. G. BENGIS .....	55	121-122

<b>Ceratopogonidae</b>		
<i>Culicoides</i> species associated with livestock in the Stellenbosch area of the Western Cape Province, Republic of South Africa (Diptera: Ceratopogonidae). E. M. NEVILL, G. J. VENTER, M. EDWARDES, I. T. P. PAJOR, R. MEISWINKEL and J. H. VAN GAS .....	55	101-106
<b>Characteristics of <i>Brucella melitensis</i> Rev. 1</b>		
The characteristics of a variant strain of <i>Brucella melitensis</i> Rev. 1. P. M. PIETERSON, B. GUMMOW, S. PEFANIS, CATHARINA G. VENTER and S. HERR .....	55	15-17
<b>Chickens</b>		
The use of domestic chickens as laboratory hosts of the larvae of the bont tick, <i>Amblyomma hebraeum</i> . A. D. HOLLEY and T. N. PETNEY .....	55	75-76
<b>Cichlids</b>		
The use of electronarcosis as anaesthetic in the cichlid, <i>Oreochromis mossambicus</i> (Peters). II. The effects of changing physical and electrical parameters on the narcotizing ability of alternating current. W. T. BARHAM, H. J. SCHOOMBEE and J. G. J. VISSER .....	55	205-215
<b><i>Clostridium perfringens</i> Type D</b>		
The passive protection of lambs against <i>Clostridium perfringens</i> Type D with semi-purified hyperimmune serum. M. W. ODENDAAL, J. J. VISSER, W. J. S. BOTHA and H. PRINSLOO .....	55	47-50
<b><i>Cowdria ruminantium</i></b>		
The presence of <i>Cowdria ruminantium</i> antigen in various tissues of <i>Amblyomma hebraeum</i> imagoes as detected by an enzyme-linked immunosorbent assay. G. J. VILJOEN, A. W. H. NEITZ, J. D. BEZUIDENHOUT, P. T. OBEREM and N. M. J. VERMEULEN .....	55	239-240
<b>Cows</b>		
Susceptibility to heartwater of calves born to non-immune cows J. L. DU PLESSIS and LETITIA MALAN .....	55	235-237
<b>Cross reactivity</b>		
The suitability of a rolled BHK <sub>21</sub> monolayer system for the production of vaccines against the SAT types of foot-and-mouth disease virus. I. Adaptation of virus isolates to the system, immunogen yields achieved and assessment of subtype cross reactivity. J. J. ESTERHUYSEN, G. R. THOMSON, W. A. ASHFORD, D. W. LENTZ, M. D. GAINARU, A. J. SAYER, C. D. MEREDITH, D. JANSE VAN RENSBURG and A. PINI .....	55	77-84
<b><i>Culicoides</i> species</b>		
<i>Culicoides</i> species associated with livestock in the Stellenbosch area of the Western Cape Province, Republic of South Africa (Diptera: Ceratopogonidae). E. M. NEVILLE, G. J. VENTER, M. EDWARDES, I. T. P. PAJOR, R. MEISWINKEL and J. H. VAN GAS .....	55	101-106
<b><i>Cysticercus cellulosae</i></b>		
Immunization procedure-related immunoglobulin levels in the development of antibodies against <i>Cysticercus cellulosae</i> . G. CONTRAFATTO and M. D. PAMMENTER .....	55	169-172
<b><i>Dermacentor andersoni</i></b>		
Hybridization of DNA probes to <i>A. marginale</i> isolates from different sources and detection in <i>Dermacentor andersoni</i> ticks. R. E. AMBROSIO, ELIZABETH S. VISSER, YOLANDA KOEKHOVEN and KATHERINE M. KOCAN .....	55	227-229
<b>Diptera</b>		
<i>Culicoides</i> species associated with livestock in the Stellenbosch area of the Western Cape Province, Republic of South Africa (Diptera: Ceratopogonidae). E. M. NEVILLE, G. J. VENTER, M. EDWARDES, I. T. P. PAJOR, R. MEISWINKEL and J. H. VAN GAS .....	55	101-106
<b>DNA probes</b>		
Hybridization of DNA probes to <i>A. marginale</i> isolates from different sources and detection in <i>Dermacentor andersoni</i> ticks. R. E. AMBROSIO, ELIZABETH S. VISSER, YOLANDA KOEKHOVEN and KATHERINE M. KOCAN .....	55	227-229
<b>Domestic animals</b>		
Parasites of domestic and wild animals in South Africa. XXIII, Helminths and arthropod parasites of warthogs, <i>Phacochoerus aethiopicus</i> , in the eastern Transvaal Lowveld. I. G. HORAK, J. BOOMKER, V. DE VOS and F. T. POTGIETER .....	55	145-152
<b>Dourine</b>		
An investigation into alternative methods for the serodiagnosis of dourine. CATHERINE C. WILLIAMSON, W. H. STOLTZ, A. MATTHEUS and G. J. SCHIELE .....	55	117-119
<b><i>Drechslera campanulata toxicosis</i></b>		
The pathology of chronic <i>Drechslera campanulata</i> toxicosis in inbred rats. M. G. COLLETT, J. E. FINCHAM, R. C. TUSTIN, GINA JOUBERT and W. F. O. MARASAS .....	55	51-57
<b>Electronarcosis</b>		
The use of electronarcosis as anaesthetic in the cichlid, <i>Oreochromis mossambicus</i> (Peters). II. The effects of changing physical and electrical parameters on the narcotizing ability of alternating current. W. T. BARHAM, H. J. SCHOOMBEE and J. G. J. VISSER .....	55	205-215
<b>Electrophoretic characterisation</b>		
Further observations on the electrophoretic characterization of South African <i>Schistosoma mattheei</i> and <i>S. haematobium</i> . F. J. KRUGER .....	55	67-68

## ELISA

- An ELISA using as SDS extract of *Brucella abortus* Strain 99 an antigen to detect *B. abortus* antibodies in cattle sera. CATHERINE C. WILLIAMSON, P. T. OBEREM, C. POERSTAMPER, D. T. DE WAAL, O. MATTHEE and O. L. BRETT ..... 55 1-3
- The presence of *Cowdria ruminantium* antigen in various tissues of *Amblyomma hebraeum* imagoes as detected by an enzyme-linked immunosorbent assay. G. J. VILJOEN, A. W. H. NEITZ, J. D. BEZUIDENHOUT, P. T. OBEREM and N. M. J. VERMEULEN ..... 55 239-240

## Endotoxin

- The presence of endotoxin activity in cases of experimentally induced heartwater in sheep. S. R. VAN AMSTEL, P. T. OBEREM, M. DIDOMENICO, R. D. KIRKPATRICK and JACKIE MATHEE ..... 55 217-220

## Epidemiology of catarrhal fever

- Wildbeest-derived malignant catarrhal fever: unusual epidemiology in South Africa. B. J. H. BARNARD and H. E. VAN DE PYPEKAMP ..... 55 69-71

## Fasciola

- Fasciola* in horses in the Republic of South Africa: A single natural cause of *Fasciola hepatica* and the failure to infest ten horses either with *F. hepatica* or *Fasciola gigantica*. REGINA M. R. ALVES, L. J. VAN RENSBURG and J. A. VAN WYK .... 55 157-163

## *Fasciola gigantica*

- Fasciola* in horses in the Republic of South Africa: A single natural case of *Fasciola hepatica* and the failure to infest ten horses either with *F. hepatica* or *Fasciola gigantica*. REGINA M. R. ALVES, L. J. VAN RENSBURG and J. A. VAN WYK .... 55 157-163

## *Fasciola hepatica*

- Fasciola* in horses in the Republic of South Africa: A single natural case of *Fasciola hepatica* and the failure to infest ten horses either with *F. hepatica* or *Fasciola gigantica*. REGINA M. R. ALVES, L. J. VAN RENSBURG and J. A. VAN WYK ..... 55 157-163

## Feeding behaviour of oxpeckers

- Comparative feeding behaviour and food preferences of oxpeckers (*Buphagus erythrorhynchus* and *B. africanus*) in captivity. IRENE M. STUTTERHEIM, J. D. BEZUIDENHOUT and E. G. R. ELLIOTT ..... 55 173-179

## Fixatives

- A comparison of fixatives suitable for scanning electron microscopy of *Habronema* spp. R. C. KRECECK, J. P. VAN NIEKERK and H. J. ELS ..... 55 63-65

## Food preferences of oxpeckers

- Comparative feeding behaviour and food preferences of oxpeckers (*Buphagus erythrorhynchus* and *B. africanus*) in captivity. IRENE M. STUTTERHEIM, J. D. BEZUIDENHOUT and E. G. R. ELLIOTT ..... 55 173-179

## Foot-and-mouth disease

- The suitability of a rolled BHK<sub>21</sub> monolayer system for the production of vaccines against the SAT types of foot-and-mouth disease virus. I. Adaptation of virus isolates to the system, immunogen yields achieved and assessment of subtype cross reactivity. J. J. ESTERHUYSEN, G. R. THOMSON, W. A. ASHFORD, D. W. LENTZ, M. D. GAINARU, A. J. SAYER, C. D. MEREDITH, D. JANSE VAN RENSBURG and A. PINI ..... 55 77-84
- Failure of *Haematobia thirouxi potans* (Bezzi) to transmit foot-and-mouth disease virus mechanically between viraemic and susceptible cattle. G. R. THOMSON, B. M. DOUBE, L. E. O. BRAAK, M. D. GAINARU and R. G. BENGIS ..... 55 121-122

## Freeze-drying

- Freeze-drying of *Aegyptianella pullorum*. R. A. BARTKOWIAK, F. W. HUCHZERMEYER, F. T. POTGIETER, L. VAN RENSBURG, F. J. LABUSCHAGNE and B. J. VAN BILJON ..... 55 125-126

## Fumonisin B<sub>1</sub>

- Leucoencephalomalacia in a horse induced by fumonisin B<sub>1</sub> isolated from *Fusarium moniliforme*. W. F. O. MARASAS, T. S. KELLERMAN, W. C. A. GELDERBLUM, J. A. W. COETZER, P. G. THIEL and J. J. VAN DER LUGT ..... 55 197-203

## *Fusarium moniliforme*

- Leucoencephalomalacia in a horse induced by fumonisin B<sub>1</sub> isolated from *Fusarium moniliforme*. W. F. O. MARASAS, T. S. KELLERMAN, W. C. A. GELDERBLUM, J. A. W. COETZER, P. G. THIEL and J. J. VAN DER LUGT ..... 55 197-203

## Gallop rhythm

- Experimental gallop rhythm in sheep with gousiekte: Correlation of changes in amplitude with haemodynamic parameters. P. J. PRETORIUS, J. M. VAN ROOYEN, J. C. J. VAN RYSSSEN and J. P. MINNAAR ..... 55 221-225

## Game animals

- Serological reactions to *Leptospira* species in game animals of northern Natal. PAMELA HUNTER, J. R. B. FLAMAND, J. MYBURGH and SANNETTE M. VAN DER MERWE ..... 55 191-192

## *Geochelone pardalis*

- The developmental success of *Amblyomma hebraeum* and *Amblyomma marmoreum* on the leopard tortoise, *Geochelone pardalis*. KATHY M. DOWER, T. N. PETNEY and I. G. HORAK ..... 55 11-13

## Goats

- Experimental transmission of jaagsiekte (ovine pulmonary adenomatosis) to goats. R. C. TUSTIN, ANNA-LISE WILLIAMSON, D. F. YORK and D. W. VERWOERD ..... 55 27-32

## Gousiekte

- Experimental gallop rhythm in sheep with gousiekte: Correlation of changes in amplitude with haemodynamic parameters. P. J. PRETORIUS, J. M. VAN ROOYEN, J. C. J. VAN RYSSSEN and J. P. MINNAAR ..... 55 221-225

<b>Habronema spp.</b>		
A comparison of fixatives suitable for scanning electron microscopy of <i>Habronema</i> spp. R. C. KRECEK, J. P. VAN NIEKERK and H. J. ELS .....	55	63-65
<b>Haematobia thirouxi potans</b>		
Failure of <i>Haematobia thirouxi potans</i> (Bezzi) to transmit foot-and-mouth disease virus mechanically between viraemic and susceptible cattle. G. R. THOMSON, B. M. DOUBE, L. E. O. BRAAK, M. D. GAINARU and R. G. BENGIS .....	55	121-122
<b>Haematology</b>		
The clinical pathology of heartwater. I. Haematology and blood chemistry. S. R. VAN AMSTEL, F. REYERS, A. J. GUTHRIE, P. T. OBEREM and H. BERTSCHINGER .....	55	37-45
<b>Haemodynamic parameters</b>		
Experimental gallop rhythm in sheep with gousiekte: Correlation of changes in amplitude with haemodynamic parameters. P. J. PRETORIUS, J. M. VAN ROOYEN, J. C. J. VAN RYSSSEN and J. P. MINNAAR .....	55	221-225
<b>Heartwater</b>		
The clinical pathology of heartwater. I. Haematology and blood chemistry. S. R. VAN AMSTEL, F. REYERS, A. J. GUTHRIE, P. T. OBEREM and H. BERTSCHINGER .....	55	37-45
The clinical pathology of heartwater. II. Studies on cardiac and pulmonary function in 4 calves with experimentally-induced heartwater. S. R. VAN AMSTEL, A. J. GUTHRIE, P. T. OBEREM, VALERIE M. KILLEEN and O. MATTHEE .....	55	109-116
The presence of endotoxin activity in cases of experimentally induced heartwater in sheep. S. R. VAN AMSTEL, P. T. OBEREM, M. DIDOMENICO, R. D. KIRKPATRICK and JACKIE MATHEE .....	55	217-220
Susceptibility to heartwater of calves born to non-immune cows. J. L. DU PLESSIS and LETITIA MALAN .....	55	235-237
<b>Helminths</b>		
Parasites of domestic and wild animals in South Africa. XXIII. Helminth and arthropod parasites of warthogs, <i>Phacochoerus aethiopicus</i> , in the eastern Transvaal Lowveld. I. G. HORAK, J. BOOMKER, V. DE VOS and F. T. POTGIETER .....	55	145-152
Parasites of South African wildlife. III. Helminths of kudu, <i>Tragelaphus strepsiceros</i> , from South West Africa/Namibia. J. BOOMKER, M. ANTHONISSEN and I. G. HORAK .....	55	231-233
<b>Hippopotamus amphibius</b>		
The tegument of <i>Schistosoma hippopotami</i> from <i>Hippopotamus amphibius</i> in the Kruger National Park. F. J. KRUGER, V. L. HAMILTON-ATTWELL, P. H. JOUBERT and P. S. VISSER .....	55	153-155
<b>Horses</b>		
Isolation of pure <i>Babesia equi</i> and <i>Babesia caballi</i> organisms in splenectomised horses from endemic areas in South Africa. D. T. DE WAAL, J. VAN HEERDEN, S. S. VAN DEN BERG, G. F. STEGMANN and F. T. POTGIETER .....	55	33-35
<i>Fasciola</i> in horses in the Republic of South Africa: A single natural case of <i>Fasciola hepatica</i> and the failure to infest ten horses either with <i>F. hepatica</i> or <i>Fasciola gigantica</i> . REGINA M. R. ALVES, L. J. VAN RENSBURG and J. A. VAN WYK ....	55	157-163
Leucoencephalomalacia in a horse induced by fumonisin B <sub>1</sub> , isolated from <i>Fusarium moniliforme</i> . W. F. O. MARASAS, T. S. KELLERMAN, W. C. A. GELDERBLUM, J. A. W. COETZER, P. G. THIEL and J. J. VAN DER LUGT .....	55	197-203
<b>Hosts</b>		
The use of domestic chickens as laboratory hosts of the larvae of the bont tick, <i>Amblyomma hebraeum</i> . A. D. HOLLEY and T. N. PETNEY .....	55	75-76
<b>Hyalomma marginatum rufipes</b>		
An ultrastructural study of the development of <i>Babesia occultans</i> in the salivary glands of adult <i>Hyalomma marginatum rufipes</i> . E. F. BLOUIN and LYNN VAN RENSBURG .....	55	93-100
<b>Hyperimmune serum</b>		
The passive protection of lambs against <i>Clostridium perfringens</i> Type D with semi-purified hyperimmune serum. M. W. ODENDAAL, J. J. VISSER, W. J. S. BOTHA and H. PRINSLOO .....	55	47-50
<b>Identification of viruses</b>		
Isolation and identification of trout viruses in South Africa. R. R. BRAGG and MARIANNE E. COMBRINK .....	55	139-143
<b>Ile-de-France</b>		
A field outbreak in Ile-de-France sheep of a cardiotoxicosis caused by the plant <i>Pachystigma pygmaeum</i> (Schltr) Robyns (Rubiaceae). L. PROZESKY, N. FOURIE, J. A. NESER and P. W. NEL .....	55	193-196
<b>Immunogen yields</b>		
The suitability of a rolled BHK <sub>21</sub> monolayer system for the production of vaccines against the SAT types of foot-and-mouth disease virus. I. Adaptation of virus isolates to the system, immunogen yields achieved and assessment of subtype cross reactivity. J. J. ESTERHUYSEN, G. R. THOMSON, W. A. ASHFORD, D. W. LENTZ, M. D. GAINARU, A. J. SAYER, C. D. MEREDITH, D. JANSE VAN RENSBURG and A. PINI .....	55	77-84
<b>Immunoglobulin levels</b>		
Immunization procedure-related immunoglobulin levels in the development of antibodies against <i>Cysticercus cellulosae</i> . G. CONTRAFATTO and M. D. PAMMENTER .....	55	169-172
<b>Immunosuppression</b>		
The possible involvement of immunosuppression caused by a lentivirus in the aetiology of jaagsiekte and pasteurellosis in sheep. M. S. MYER, H. F. A. K. HUCHZERMAYER, D. F. YORK, P. HUNTER, D. W. VERWOERD and HELEN M. GARNETT .....	55	127-133

## Indirect fluorescent antibody technique

The indirect fluorescent antibody technique for the rapid identification of streptococcosis of rainbow trout ( <i>Salmo gairneri</i> ). R. R. BRAGG .....	55	59-61
<b>Jaagsiekte</b>		
Experimental transmission of jaagsiekte (ovine pulmonary adenomatosis) to goats. R. C. TUSTIN, ANNA-LISE WILLIAMSON, D. F. YORK and D. W. VERWOERD .....	55	27-32
The possible involvement of immunosuppression caused by a lentivirus in the aetiology of jaagsiekte and pasteurellosis in sheep. M. S. MYER, H. F. A. K. HUCHZERMAYER, D. F. YORK, P. HUNTER, D. W. VERWOERD and HELEN M. GARNETT .....	55	127-133
<b>Karoo tick paralysis</b>		
A survey of Karoo tick paralysis in South Africa. A. M. SPICKETT and HELOISE HEYNE .....	55	89-92
<b>Kudu</b>		
Parasites of South African wildlife. III. Helminths of kudu, <i>Tragelaphus strepsiceros</i> , from South West Africa/Namibia. J. BOOMKER, M. ANTHONISSEN and I. G. HORAK .....	55	231-233
<b>Lambs</b>		
The passive protection of lambs against <i>Clostridium perfringens</i> Type D with semi-purified hyperimmune serum. M. W. ODENDAAL, J. J. VISSER, W. J. S. BOTHA and H. PRINSLOO .....	55	47-50
<b>Lentivirus</b>		
The possible involvement of immunosuppression caused by a lentivirus in the aetiology of jaagsiekte and pasteurellosis in sheep. M. S. MYER, H. F. A. K. HUCHZERMAYER, D. F. YORK, P. HUNTER, D. W. VERWOERD and HELEN M. GARNETT .....	55	127-133
<b>Leopard tortoise</b>		
The developmental success of <i>Amblyomma hebraeum</i> and <i>Amblyomma marmoreum</i> on the leopard tortoise, <i>Geochelone pardalis</i> . KATHY M. DOWER, T. N. PETNEY and I. G. HORAK .....	55	11-13
<b>Leptospira spp.</b>		
Serological reactions to <i>Leptospira</i> species in game animals of northern Natal. PAMELA HUNTER, J. R. B. FLAMAND, J. MYBURGH and SANNETTE M. VAN DER MERWE .....	55	191-192
<b>Leucoencephalomalacia</b>		
Leucoencephalomalacia in a horse induced by fumonisin B <sub>1</sub> , isolated from <i>Fusarium moniliforme</i> . W. F. O. MARASAS, T. S. KELLERMAN, W. C. A. GELDERBLOM, J. A. W. COETZER, P. G. THIEL and J. J. VAN DER LUGT .....	55	197-203
<b>Livestock</b>		
<i>Culicoides</i> species associated with livestock in the Stellenbosch area of the Western Cape Province, Republic of South Africa (Diptera: Ceratopogonidae). E. M. NEVILL, G. J. VENTER, M. EDWARDES, I. T. P. PAJOR, R. MEISWINKEL and J. H. VAN GAS .....	55	101-106
<b>Mycoplasma mycoides</b>		
<i>Mycoplasma mycoides</i> recovered from the frontal sinus of an ox. C. J. V. TRICHARD and ELSIE P. JACOBSZ .....	55	123-123
<b>Narcotizing ability</b>		
The use of electronarcosis as anaesthetic in the cichlid, <i>Oreochromis mossambicus</i> (Peters). II. The effects of changing physical and electrical parameters on the narcotizing ability of alternating current. W. T. BARHAM, H. J. SCHOOMBEE and J. G. J. VISSER .....	55	205-215
<b>Oreochromis mossambicus</b>		
The use of electronarcosis as anaesthetic in the cichlid, <i>Oreochromis mossambicus</i> (Peters). II. The effects of changing physical and electrical parameters on the narcotizing ability of alternating current. W. T. BARHAM, H. J. SCHOOMBEE and J. G. J. VISSER .....	55	205-215
<b>Ovine pulmonary adenomatosis</b>		
Experimental transmission of jaagsiekte (ovine pulmonary adenomatosis) to goats. R. C. TUSTIN, ANNA-LISE WILLIAMSON, D. F. YORK and D. W. VERWOERD .....	55	27-32
<b>Ox</b>		
<i>Mycoplasma mycoides</i> recovered from the frontal sinus of an ox. C. J. V. TRICHARD and ELSIE P. JACOBSZ .....	55	123-123
<b>Pachystigma pygmaeum</b>		
A field outbreak in Ile-de-France sheep of a cardiotoxicosis caused by the plant <i>Pachystigma pygmaeum</i> (Schltr) Robyns (Rubiaceae). L. PROZESKY, N. FOURIE, J. A. NESER and P. W. NEL .....	55	193-196
<b>Parasites</b>		
Parasites of domestic and wild animals in South Africa. XXIII. Helminth and arthropod parasites of warhogs, <i>Phacochoerus aethiopicus</i> , in the eastern Transvaal Lowveld. I. G. HORAK, J. BOOMKER, V. DE VOS and F. T. POTGIETER .....	55	145-152
Parasites of South African wildlife. III. Helminths of kudu, <i>Tragelaphus strepsiceros</i> , from South West Africa/Namibia. J. BOOMKER, M. ANTHONISSEN and I. G. HORAK .....	55	231-233
<b>Pasteurellosis</b>		
The possible involvement of immunosuppression caused by a lentivirus in the aetiology of jaagsiekte and pasteurellosis in sheep. M. S. MYER, H. F. A. K. HUCHZERMAYER, D. F. YORK, P. HUNTER, D. W. VERWOERD and HELEN M. GARNETT .....	55	127-133

<b>Pathology of heartwater</b>		
The clinical pathology of heartwater. I. Haematology and blood chemistry. S. R. VAN AMSTEL, F. REYERS, A. J. GUTHRIE, P. T. OBEREM and H. BERTSCHINGER .....	55	37-45
The clinical pathology of heartwater. II. Studies on cardiac and pulmonary function in 4 calves with experimentally-induced heartwater. S. R. VAN AMSTEL, A. J. GUTHRIE, P. T. OBEREM, VALERIE M. KILLEEN and O. MATTHEE .....	55	109-116
<b>Peritoneal sacs</b>		
Ascites and the anatomy of the peritoneal sacs of broilers. A. J. BEZUIDENHOUT .....	55	23-25
<b>Phacochoerus aethiopicus</b>		
Parasites of domestic and wild animals in South Africa. XXIII. Helminth and arthropod parasites of warthogs, <i>Phacochoerus aethiopicus</i> , in the eastern Transvaal Lowveld. I. G. HORAK, J. BOOMKER, V. DE VOS and F. T. POTGIETER .....	55	145-152
<b>Pheromones</b>		
Aggregation pheromones of the bont tick <i>Amblyomma hebraeum</i> : identification of candidates for bioassay. P. J. APPS, H. W. VILJOEN and V. PRETORIUS .....	55	135-137
<b>Pigs</b>		
The isolation of <i>Campylobacter hyointestinalis</i> from a pig in South Africa. MARTHA L. VAN DER WALT and J. J. VAN DER LUGT .....	55	85-87
The first isolations of <i>Campylobacter mucosalis</i> from pigs in South Africa. MARTHA L. VAN DER WALT, B. T. SPENCER and R. K. LOVEDAY .....	55	165-168
<b>Plasmodium durae</b>		
Avian pulmonary hypertension syndrome. IV. Increased right ventricular mass in turkeys experimentally infected with <i>Plasmodium durae</i> . F. W. HUCHZERMEYER .....	55	107-108
<b>Pulmonary function</b>		
The clinical pathology of heartwater. II. Studies on cardiac and pulmonary function in 4 calves with experimentally-induced heartwater. S. R. VAN AMSTEL, A. J. GUTHRIE, P. T. OBEREM, VALERIE M. KILLEEN and O. MATTHEE .....	55	109-116
<b>Pulmonary hypertension</b>		
Broiler pulmonary hypertension syndrome. III. Commercial broiler strains differ in their susceptibility F. W. HUCHZERMEYER, AN M. C. DE RUYCK and H. VAN ARK .....	55	5-9
Avian pulmonary hypertension syndrome. IV. Increased right ventricular mass in turkeys experimentally infected with <i>Plasmodium durae</i> . F. W. HUCHZERMEYER .....	55	107-108
<b>Rainbow trout</b>		
The indirect fluorescent antibody technique for the rapid identification of streptococcosis of rainbow trout ( <i>Salmo gairdneri</i> ). R. R. BRAGG .....	55	59-61
<b>Rats</b>		
The pathology of chronic <i>Drechslera campanulata</i> toxicosis in inbred rats. M. G. COLLETT, J. E. FINCHAM, R. C. TUSTIN, GINA JOUBERT and W. F. O. MARASAS .....	55	51-57
<b>Redunca arundinum</b>		
Arthropod parasites of common reedbuck, <i>Redunca arundinum</i> , in Natal. I. G. HORAK, M. E. KEEP, J. R. B. FLAMAND and J. BOOMKER .....	55	19-22
<b>Reedbuck</b>		
Arthropod parasites of common reedbuck, <i>Redunca arundinum</i> , in Natal. I. G. HORAK, M. E. KEEP, J. R. B. FLAMAND and J. BOOMKER .....	55	19-22
<b>Right ventricular mass</b>		
Avian pulmonary hypertension syndrome. IV. Increased right ventricular mass in turkeys experimentally infected with <i>Plasmodium durae</i> . F. W. HUCHZERMEYER .....	55	107-108
<b>Rubiaceae</b>		
A field outbreak in Ile-de-France sheep of a cardiotoxicosis caused by the plant <i>Pachystigma pygmaeum</i> (Schltr) Robyns (Rubiaceae). L. PROZESKY, N. FOURIE, J. A. NESER and P. W. NEL .....	55	193-196
<b>Salivary glands</b>		
An ultrastructural study of the development of <i>Babesia occultans</i> in the salivary glands of adult <i>Hyalomma marginatum rufipes</i> . E. F. BLOUIN and LYNN VAN RENSBURG .....	55	93-100
<b>Salmo gairdneri</b>		
The indirect fluorescent antibody technique for the rapid identification of streptococcosis of rainbow trout ( <i>Salmo gairdneri</i> ). R. R. BRAGG .....	55	59-61
<b>Scanning electron microscopy</b>		
A comparison of fixatives suitable for scanning electron microscopy of <i>Habronema</i> spp. R. C. KRECEK, J. P. VAN NIEKERK and H. J. ELS .....	55	63-65
<b>Schistosoma haematobium</b>		
Further observations on the electrophoretic characterization of South African <i>Schistosoma mattheei</i> and <i>S. haematobium</i> . F. J. KRUGER .....	55	67-68

<b>Schistosoma hippopotami</b>		
The tegument of <i>Schistosoma hippopotami</i> from <i>Hippopotamus amphibius</i> in the Kruger National Park. F. J. KRUGER, V. L. HAMILTON-ATTWELL, P. H. JOUBERT and P. S. VISSER .....	55	153-155
<b>Schistosoma margrebowiei</b>		
Notes on the occurrence of tubercular spines in <i>Schistosoma margrebowiei</i> and <i>Schistosoma mattheei</i> . F. J. KRUGER, V. L. HAMILTON-ATTWELL, L. TIEDT, P. S. VISSER and P. H. JOUBERT .....	55	187-189
<b>Schistosoma mattheei</b>		
Further observations on the electrophoretic characterization of South African <i>Schistosoma mattheei</i> and <i>S. haematobium</i> . F. J. KRUGER .....	55	67-68
Notes on the occurrence of tubercular spines in <i>Schistosoma margrebowiei</i> and <i>Schistosoma mattheei</i> . F. J. KRUGER, V. L. HAMILTON-ATTWELL, L. TIEDT, P. S. VISSER and P. H. JOUBERT .....	55	187-189
<b>SDS extract</b>		
An ELISA using an SDS extract of <i>Brucella abortus</i> Strain 99 as antigen to detect <i>B. abortus</i> antibodies in cattle sera. CATHERINE C. WILLIAMSON, P. T. OBEREM, C. POERSTAMPER, D. T. DE WAAL, O. MATTHEE and O. L. BRETT .....	55	1-3
<b>Serodiagnosis</b>		
An investigation into alternative methods for the serodiagnosis of dourine. CATHERINE C. WILLIAMSON, W. H. STOLTSZ, A. MATTHEE and G. J. SCHIELE .....	55	117-119
<b>Serological reactions</b>		
Serological reactions to <i>Leptospira</i> species in game animals of northern Natal. PAMELA HUNTER, J. R. B. FLAMAND, J. MYBURGH and SANNETTE M. VAN DER MERWE .....	55	191-192
<b>Serology of <i>Brucella melitensis</i> Rev. 1</b>		
The isolation and serology of the "FSA" <i>Brucella melitensis</i> Rev. 1 mutant in a flock of sheep. S. M. PEFANIS, B. GUMMOW, P. M. PIETERSON, CATHERINE C. WILLIAMSON, CATHARINA G. VENTER and S. HERR .....	55	181-183
<b>Sheep</b>		
The possible involvement of immunosuppression caused by a lentivirus in the aetiology of jaagsiekte and pasteurellosis in sheep. M. S. MYER, H. F. A. K. HUCHZERMAYER, D. F. YORK, P. HUNTER, D. W. VERWOERD and HELEN M. GARNETT .....	55	127-133
The isolation and serology of the "FSA" <i>Brucella melitensis</i> Rev. 1 mutant in a flock of sheep. S. M. PEFANIS, B. GUMMOW, P. M. PIETERSON, CATHERINE C. WILLIAMSON, CATHARINA G. VENTER and S. HERR .....	55	181-183
The presence of the trichostrongylid <i>Teladorsagia davtiani</i> in sheep in the south-western Cape. J. P. LOUW .....	55	185-186
A field outbreak in Ile-de-France sheep of a cardiotoxicosis caused by the plant <i>Pachystigma pygmaeum</i> (Schltr) Robyns (Rubiaceae). L. PROZESKY, N. FOURIE, J. A. NESER and P. W. NEL .....	55	193-196
The presence of endotoxin activity in cases of experimentally induced heartwater in sheep. S. R. VAN AMSTELL, P. T. OBEREM, M. DIDOMENICO, R. D. KIRKPATRICK and JACKIE MATHEE .....	55	217-220
Experimental gallop rhythm in sheep with gousiekte: Correlation of changes in amplitude with haemodynamic parameters. P. J. PRETORIUS, J. M. VAN ROOYEN, J. C. J. VAN RYSSSEN and J. P. MINNAAR .....	55	221-225
<b>Sinus</b>		
<i>Mycoplasma mycoides</i> recovered from the frontal sinus of an ox. C. J. V. TRICHARD and ELSIE P. JACOBSZ .....	55	123-123
<b>Staphylococci</b>		
Aerobic metabolism of trehalose in the taxonomy of coagulase negative staphylococci. J. A. ERASMUS .....	55	73-74
<b>Streptococcosis</b>		
The indirect fluorescent technique for the rapid identification of streptococcosis of rainbow trout ( <i>Salmo gairdneri</i> ). R. R. BRAGG .....	55	59-61
<b>Tegument</b>		
The tegument of <i>Schistosoma hippopotami</i> from <i>Hippopotamus amphibius</i> in the Kruger National Park. F. J. KRUGER, V. L. HAMILTON-ATTWELL, P. H. JOUBERT and P. S. VISSER .....	55	153-155
<b>Teladorsagia davtiani</b>		
The presence of the trichostrongylid <i>Teladorsagia davtiani</i> in sheep in the south-western Cape. J. P. LOUW .....	55	185-186
<b>Tick paralysis</b>		
A survey of Karoo tick paralysis in South Africa. A. M. SPICKETT and HELOISE HEYNE .....	55	89-92
<b>Ticks</b>		
A survey of Karoo tick paralysis in South Africa. A. M. SPICKETT and HELOISE HEYNE .....	55	89-92
Hybridization of DNA probes to <i>A marginale</i> isolates from different sources and detection in <i>Dermacentor andersoni</i> ticks. R. E. AMBROSIO, ELIZABETH S. VISSER, YOLANDA KOEKHOVEN and KATHERINE M. KOCAN .....	55	227-229
<b>Tissues</b>		
The presence of <i>Cowdria ruminantium</i> antigen in various tissues of <i>Amblyomma hebraeum</i> imagoes as detected by an enzyme-linked immunosorbent assay. G. J. VILJOEN, A. W. H. NEITZ, J. D. BEZUIDENHOUT, P. T. OBEREM and N. M. J. VERMEULEN .....	55	239-240
<b>Tragelaphus strepsiceros</b>		
Parasites of South African wildlife. III. Helminths of kudu, <i>Tragelaphus strepsiceros</i> , from South West Africa/Namibia. J. BOOMKER, M. ANTHONISSEN and I. G. HORAK .....	55	231-233



<b>Trehalose</b>		
Aerobic metabolism of trehalose in the taxonomy of coagulase negative staphylococci. J. A. ERASMUS.....	55	73-74
<b>Trichostrongylids</b>		
The presence of the trichostrongylid <i>Teladorsagia davtiani</i> in sheep in the south-western Cape. J. P. LOUW.....	55	185-186
<b>Trout viruses</b>		
Isolation and identification of trout viruses in South Africa. R. R. BRAGG and MARIANNE E. COMBRINK.....	55	139-143
<b>Tubercular spines</b>		
Notes on the occurrence of tubercular spines in <i>Schistosoma margrebowiei</i> and <i>Schistosoma mattheei</i> . F. J. KRUGER, V. L. HAMILTON-ATTWELL, L. TIEDT, P. S. VISSER and P. H. JOUBERT.....	55	187-189
<b>Turkeys</b>		
Avian pulmonary hypertension syndrome. IV. Increased right ventricular mass in turkeys experimentally infected with <i>Plasmodium durae</i> . F. W. HUCHZERMEYER.....	55	107-108
<b>Vaccines</b>		
The suitability of a rolled BHK <sub>21</sub> monolayer system for the production of vaccines against the SAT types of foot-and-mouth disease virus. I. Adaptation of virus isolates to the system, immunogen yields achieved and assessment of subtype cross reactivity. J. J. ESTERHUYSEN, G. R. THOMSON, W. A. ASHFORD, D. W. LENTZ, M. D. GAINARU, A. J. SAYER, C. D. MEREDITH, D. JANSE VAN RENSBURG and A. PINI.....	55	77-84
<b>Variant strain of <i>Brucella melitensis</i> Rev. 1</b>		
The characteristics of a variant strain of <i>Brucella melitensis</i> Rev. 1. P. M. PIETERSON, B. GUMMOW, S. PEFANIS, CATHARINA G. VENTER and S. HERR.....	55	15-17
<b>Viruses</b>		
The suitability of a rolled BHK <sub>21</sub> monolayer system for the production of vaccines against the SAT types of foot-and-mouth disease virus. I. Adaptation of virus isolates to the system, immunogen yields achieved and assessment of subtype cross reactivity. J. J. ESTERHUYSEN, G. R. THOMSON, W. A. ASHFORD, D. W. LENTZ, M. D. GAINARU, A. J. SAYER, C. D. MEREDITH, D. JANSE VAN RENSBURG and A. PINI.....	55	77-84
Failure of <i>Haematobia thirouxi potans</i> (Bezzi) to transmit foot-and-mouth disease virus mechanically between viraemic and susceptible cattle. G. R. THOMSON, B. M. DOUBE, L. E. O. BRAAK, M. D. GAINARU and R. G. BENGIS.....	55	121-122
Isolation and identification of trout viruses in South Africa. R. R. BRAGG and MARIANNE E. COMBRINK.....	55	139-143
<b>Warthogs</b>		
Parasites of domestic and wild animals in South Africa. XXIII. Helminth and arthropod parasites of warthogs, <i>Phacochoerus aethiopicus</i> , in the eastern Transvaal Lowveld. I. G. HORAK, J. BOOMKER, V. DE VOS and F. T. POTGIETER.....	55	145-152
<b>Wild animals</b>		
Parasites of domestic and wild animals in South Africa. XXIII. Helminth and arthropod parasites of warthogs, <i>Phacochoerus aethiopicus</i> , in the eastern Transvaal Lowveld. I. G. HORAK, J. BOOMKER, V. DE VOS and F. T. POTGIETER.....	55	145-152
<b>Wildebeest-derived catarrhal fever</b>		
Wildebeest-derived malignant catarrhal fever: unusual epidemiology in South Africa. B. J. H. BARNARD and H. E. VAN DE PYPEKAMP.....	55	69-71
<b>Wildlife</b>		
Parasites of South African wildlife. III. Helminths of kudu, <i>Tragelaphus strepsiceros</i> , from South West Africa/Namibia. J. BOOMKER, M. ANTHONISSEN and I. G. HORAK.....	55	231-233