

AUTHOR INDEX

	Volume	Page
Barnard, B. J. H.		
Turkey meningo-encephalitis in South Africa. B. J. H. BARNARD, S. B. BUYS, J. H. DU PREEZ, S. P. GREY-LING and H. J. VENTER.....	47	89-94
Barrett, E. L.		
Determination of the physiochemical and microbiological quality of carcass, bone and blood meal. H. N. VAN DER MADE, J. J. VAN STADEN, J. DE V. DU TOIT, EILEEN JORDAAN, E. L. BARRETT and J. D. COETZEE.....	47	197-201
Basson, P. A.		
Photosensitivity in South Africa. II. The experimental production of the ovine hepatogenous photosensitivity disease geeldikkop (<i>Tribulus ovis</i>) by the simultaneous ingestion of <i>Tribulus terrestris</i> plants and cultures of <i>Pithomyces chartarum</i> containing the mycotoxin sporidesmin. T. S. KELLERMAN, G. C. A. VAN DER WESTHUIZEN, J. A. W. COETZER, CILICIA ROUX, W. F. O. MARASAS, J. A. MINNE, G. F. BATH and P. A. BASSON.....	47	231-261
Bath, G. F.		
Photosensitivity in South Africa. II. The experimental production of the ovine hepatogenous photosensitivity disease geeldikkop (<i>Tribulus terrestris</i>) by the simultaneous ingestion of <i>Tribulus terrestris</i> plants and cultures of <i>Pithomyces chartarum</i> containing the mycotoxin sporidesmin. T. S. KELLERMAN, G. C. A. VAN DER WESTHUIZEN, J. A. W. COETZER, CILICIA ROUX, W. F. O. MARASAS, J. A. MINNE, G. F. BATH and P. A. BASSON.....	47	231-261
Begemann, G. J.		
Laboratory studies on the biology of <i>Simulium nigrifurcense</i> Coquillett and <i>Simulium adersi</i> Pomeroy (Diptera: Simuliidae). G. J. BEGEMANN.....	47	203-211
Belonje, P. C.		
The use of faecal analyses to estimate the phosphorus intake by grazing sheep. I. The use of pool instead of individual samples. P. C. BELONJE and A. VAN DEN BERG.....	47	163-167
The use of faecal analyses to estimate the phosphorus intake by grazing sheep. II. The repeatability of the technique and the influence of varying the phosphorus intake. P. C. BELONJE and A. VAN DER BERG.....	47	169-172
Bezuidenhout, J. D.		
A critical evaluation of the role played by the red-billed oxpecker <i>Buphagus erythrorhynchus</i> in the biological control of ticks. J. D. BEZUIDENHOUT and C. J. STUTTERHEIM.....	47	51-75
Boomker, J.		
A description of the immature stages of <i>Kirkioestrus minutus</i> (Rodhain & Bequaert, 1915) (Diptera: Oestridae), and the life cycle and seasonal prevalence of this fly in blue wildebeest. I. G. HORAK, J. BOOMKER and V. DE VOS.....	47	23-30
The haemocytology and histology of the haemopoietic organs of South African freshwater fish. II. Erythrocytes and thrombocytes of <i>Clarias gariepinus</i> and <i>Sarotherodon mossambicus</i> . J. BOOMKER.....	47	95-100
Bowles, Felicity		
Studies on the physiopathology of chronic obstructive pulmonary disease in the horse. II. Right heart haemodynamics. A. LITTLEJOHN and FELICITY BOWLES.....	47	187-192
Studies on the physiopathology of chronic obstructive pulmonary disease in the horse. III. The intrathoracic pressure. A. LITTLEJOHN and FELICITY BOWLES.....	47	193-196
Bruckner, Christel M.		
Studies on <i>Haemonchus contortus</i> . III. Titration of <i>Trichostrongylus axei</i> and expulsion of <i>H. contortus</i> . R. K. REINECKE, CHRISTEL M. BRUCKNER and I. L. DE VILLIERS.....	47	35-44
Buys, S. B.		
Turkey meningo-encephalitis in South Africa. B. J. H. BARNARD, S. B. BUYS, J. H. DU PREEZ, S. P. GREY-LING and H. J. VENTER.....	47	89-94
Cameron, C. M.		
Lack of cross-immunity among <i>Pasteurella multocida</i> Type A strains. C. M. CAMERON, LORRAINE PIENAAR and ALETTA S. M. VERMEULEN.....	47	213-219
Effective immunization of lambs against enterotoxaemia. C. M. CAMERON.....	47	287-289
Coetsee, J. D.		
Determination of the physiochemical and microbiological quality of carcass, bone and blood meal. H. N. VAN DER MADE, J. J. VAN STADEN, J. DE V. DU TOIT, EILEEN JORDAAN, E. L. BARRETT and J. D. COETZEE.....	47	197-201
Coetzer, J. A. W.		
Wesselsbron disease: virology and serological studies in experimentally infected sheep and goats. A. THEODORIDIS and J. A. W. COETZER.....	47	221-229
Photosensitivity in South Africa. II. The experimental production of the ovine hepatogenous photosensitivity disease geeldikkop (<i>Tribulus ovis</i>) by the simultaneous ingestion of <i>Tribulus terrestris</i> plants and cultures of <i>Pithomyces chartarum</i> containing the mycotoxin sporidesmin. T. S. KELLERMAN, G. C. A. VAN DER WESTHUIZEN, J. A. W. COETZER, CILICIA ROUX, W. F. O. MARASAS, J. A. MINNE, G. F. BATH and P. A. BASSON.....	47	231-261
De Graaf, A. S.		
Occurrence of <i>Taenia solium</i> in a Cape fur seal (<i>Arctocephalus pusillus</i>). A. S. DE GRAAF, P. D. SHAUGNESSY, R. M. McCULLY and ANNA VERSTER.....	47	119-120

	Volume	Page
De Villiers, Ethel-Michele		
Aetiology of jaagsiekte: experimental transmission to lambs by means of cultured cells and cell homogenates. D. W. VERWOERD, ETHEL-MICHELE DE VILLIERS and R. C. TUSTIN.....	47	13-18
Presence of <i>Herpesvirus ovis</i> DNA sequences in cellular DNA from sheep lungs affected with jaagsiekte (pulmonary adenomatosis). ETHEL-MICHELE DE VILLIERS and D. W. VERWOERD.....	47	109-112
Aetiology of jaagsiekte: transmission by means of subcellular fractions and evidence for the involvement of a retrovirus. D. W. VERWOERD, ANNA-LISE WILLIAMSON and ETHEL-MICHELE DE VILLIERS.....	47	275-280
De Villiers, I. L.		
Studies on <i>Haemonchus contortus</i> . III. Titration of <i>Trichostrongylus axei</i> and expulsion of <i>H. contortus</i> . R. K. REINECKE, CHRISTEL M. BRUCKNER and I. L. DE VILLIERS.....	47	35-44
De Vos, V.		
A description of the immature stages of <i>Kirkioestrus minutus</i> (Rodhain & Bequaert, 1915) (Diptera: Oestridae), and the life cycle and seasonal prevalence of this fly in blue wildebeest. I. G. HORAK, J. BOOMKER and V. DE VOS.....	47	23-30
Du Preez, J. H.		
Turkey meningo-encephalitis in South Africa. B. J. H. BARNARD, S. B. BUYS, J. H. DU PREEZ, S. P. GREY-LING and H. J. VENTER.....	47	89-94
Du Toit, J. de V.		
Determination of the physiochemical and microbiological quality of carcass, bone and blood meal. H. N. VAN DER MADE, J. J. VAN STADEN, J. DE V. DU TOIT, EILEEN JORDAAN, E. L. BARRETT and J. D. COETZEE.....	47	197-201
Els, H. J.		
Studies on neonatal calf diarrhoea caused by rotavirus: Transmission of the disease and attempted vaccination of colostrum-deprived calves. A. THEODORIDIS, L. PROZESKY and H. J. ELS.....	47	31-34
Gainaru, M. D.		
Experimental infection of warthog (<i>Phacochoerus aethiopicus</i>) with African swine fever virus. G. R. THOMSON, M. D. GAINARU and A. F. VAN DELLEN.....	47	19-22
Lesions resulting from inoculation of porcine foetuses with porcine parvovirus. L. PROZESKY, G. R. THOMSON, M. D. GAINARU, S. HERR and L. J. KRITZINGER.....	47	269-274
Gerber, H. M.		
Survival and development of larvae of the common nematodes of ruminants after long-term cryopreservation and investigation of different routes of infestation. J. A. VAN WYK and H. M. GERBER.....	47	129-136
A field strain of <i>Haemonchus contortus</i> showing slight resistance to rafoxanide. J. A. VAN WYK and H. M. GERBER.....	47	137-142
Benzimidazole-resistant <i>Haemonchus contortus</i> —the effect of cryopreservation on the resistance of successive generations. J. A. VAN WYK and H. M. GERBER.....	47	143-146
A technique for the recovery of nematodes from ruminants by migration from gastro-intestinal ingesta gelled in agar: large scale application. J. A. VAN WYK, H. M. GERBER and H. T. GROENEVELD.....	47	147-158
Greyling, S. P.		
Turkey meningo-encephalitis in South Africa. B. J. H. BARNARD, S. B. BUYS, J. H. DU PREEZ, S. P. GREY-LING and H. J. VENTER.....	47	89-94
Groeneveld, H. T.		
A technique for the recovery of nematodes from ruminants by migration from gastro-intestinal ingesta gelled in agar: large scale application. J. A. VAN WYK, H. M. GERBER and H. T. GROENEVELD.....	47	147-158
Herr, S.		
Lesions resulting from inoculation of porcine foetuses with porcine parvovirus. L. PROZESKY, G. R. THOMSON, M. D. GAINARU, S. HERR and L. J. KRITZINGER.....	47	269-274
Horak, I. G.		
A description of the immature stages of <i>Kirkioestrus minutus</i> (Rodhain & Bequaert, 1915) (Diptera: Oestridae), and the life cycle and seasonal prevalence of this fly in blue wildebeest. I. G. HORAK, J. BOOMKER and V. DE VOS.....	47	23-30
Jansen, B. C.		
The aetiology of ram epididymitis. B. C. JANSEN.....	47	101-107
The pathology of bacterial infection of the genitalia in rams. B. C. JANSEN.....	47	263-267
A surgical technique for the experimental reproduction of epididymitis in rams. B. C. JANSEN.....	47	281-283
Jordaan, Eileen		
The control of bacterial contamination in carcass meal with propionic acid. J. J. VAN STADEN, H. N. VAN DER MADE and EILEEN JORDAAN.....	47	77-82
Determination of the physiochemical and microbiological quality of carcass, bone and blood meal. H. N. VAN DER MADE, J. J. VAN STADEN, J. DE V. DU TOIT, EILEEN JORDAAN, E. L. BARRETT and J. D. COETZEE.....	47	197-201
Jupp, P. G.		
A survey of the mosquito and <i>Culicoides</i> faunas at two localities in the Karoo region of South Africa with some observations on bionomics. P. G. JUPP, B. M. McINTOSH and E. M. NEVILL.....	47	1-6
Kellerman, T. S.		
Photosensitivity in South Africa. II. The experimental production of the ovine hepatogenous photosensitivity disease geeldikkop (<i>Tribulosis ovis</i>) by the simultaneous ingestion of <i>Tribulus terrestris</i> plants and cultures of <i>Pithomyces chartarum</i> containing the mycotoxin sporidesmin. T. S. KELLERMAN, G. C. A. VAN DER WESTHUIZEN, J. A. W. COETZER, CICILIA ROUX, W. F. O. MARASAS, J. A. MINNE, G. F. BATH and P. A. BASSON.....	47	231-261
Kritzinger, L. J.		
Lesions resulting from inoculation of porcine foetuses with porcine parvovirus. L. PROZESKY, G. R. THOMSON, M. D. GAINARU, S. HERR and L. J. KRITZINGER.....	47	269-274
Labuschagne, F. J.		
Glucose turnover, tolerance and insulin response in wethers, ewes and pregnant ewes in the fed and fasted state. J. G. VAN DER WALT, J. PROCOS and F. J. LABUSCHAGNE.....	47	173-178
Labuschagne, J. M.		
Plasma progesterone in cattle. I. Development and validity of the assay. H. M. TERBLANCHE and J. M. LABUSCHAGNE.....	47	179-185

	Volume	Page
Lange, A. Lucia		
Tissue culture studies on a suspected lysosomal storage disease in Abyssinian cats. A. LUCIA LANGE.....	47	121-127
Littlejohn, A.		
Studies on the physiopathology of chronic obstructive pulmonary disease in horses. I. Clinical signs. A. LITTLEJOHN.....	47	159-162
Studies on the physiopathology of chronic obstructive pulmonary disease in the horse. II. Right heart haemodynamics. A. LITTLEJOHN and FELICITY BOWLES.....	47	187-192
Studies on the physiopathology of chronic obstructive pulmonary disease in the horse. III. The intrathoracic pressure. A. LITTLEJOHN and FELICITY BOWLES.....	47	193-196
Marasas, W. F. O.		
Photosensitivity in South Africa. II. The experimental production of the ovine hepatogenous photosensitivity disease geeldikkop (<i>Tribulosis ovis</i>) by the simultaneous ingestion of <i>Tribulus terrestris</i> plants and cultures of <i>Pithomyces chartarum</i> containing the mycotoxin sporidesmin. T. S. KELLERMAN, G. C. A. VAN DER WESTHUIZEN, J. A. W. COETZER, CICILIA ROUX, W. F. O. MARASAS, J. A. MINNE, G. F. BATH and P. A. BASSON.....	47	231-261
McCully, R. M.		
Occurrence of <i>Taenia solium</i> in a Cape fur seal (<i>Arctocephalus pusillus</i>). A. S. DE GRAAF, P. D. SHAUGNESSY, R. M. McCULLY and ANNA VERSTER.....	47	119-120
McIntosh, B. M.		
A survey of the mosquito and <i>Culicoides</i> faunas at two localities in the Karoo region of South Africa with some observations on bionomics. P. G. JUPP, B. M. McINTOSH and E. M. NEVILL.....	47	1-6
Minne, J. A.		
Photosensitivity in South Africa. II. The experimental production of the ovine hepatogenous photosensitivity disease geeldikkop (<i>Tribulosis ovis</i>) by the simultaneous ingestion of <i>Tribulus terrestris</i> plants and cultures of <i>Pithomyces chartarum</i> containing the mycotoxin sporidesmin. T. S. KELLERMAN, G. C. A. VAN DER WESTHUIZEN, J. A. W. COETZER, CICILIA ROUX, W. F. O. MARASAS, J. A. MINNE, G. F. BATH and P. A. BASSON.....	47	231-261
Nevill, E. M.		
A survey of the mosquito and <i>Culicoides</i> faunas at two localities in the Karoo region of South Africa with some observations on bionomics. P. G. JUPP, B. M. McINTOSH and E. M. NEVILL.....	47	1-6
Newsholme, S. J.		
Cerebral mycosis in a dog caused by <i>Cladosporium trichoides</i> Emmons 1952. S. J. NEWSHOLME and MARGARET J. TYRER.....	47	47-49
Peenze, I.		
Antibody to porcine parvovirus in warthog (<i>Phacochoerus aethiopicus</i>). G. R. THOMSON and I. PEENZE.....	47	45-46
Pienaar, Lorraine		
Lack of cross-immunity among <i>Pasteurella multocida</i> Type A strains. C. M. CAMERON, LORRAINE PIENAAR and ALETTA S. M. VERMEULEN.....	47	213-219
Potgieter, F. T.		
Isolation of <i>Anaplasma marginale</i> from <i>Rhipicephalus simus</i> males. F. T. POTGIETER and L. VAN RENSBURG.....	47	285-286
Procos, J.		
Glucose turnover, tolerance and insulin response in wethers, ewes and pregnant ewes in the fed and fasted state. J. G. VAN DER WALT, J. PROCOS and F. J. LABUSCHAGNE.....	47	173-178
Prozesky, L.		
Studies on neonatal calf diarrhoea caused by rotavirus: Transmission of the disease and attempted vaccination of colostrum-deprived calves. A. THEODORIDIS, L. PROZESKY and H. J. ELS.....	47	31-34
Lesions resulting from inoculation of porcine foetuses with porcine parvovirus. L. PROZESKY, G. R. THOMSON, M. D. GAINARU, S. HERR and L. J. KRITZINGER.....	47	269-274
Reinecke, R. K.		
Studies on <i>Haemonchus contortus</i> . III. Titration of <i>Trichostrongylus axei</i> and expulsion of <i>H. contortus</i> . R. K. REINECKE, CHRISTEL M. BRUCKNER and I. L. DE VILLIERS.....	47	35-44
Roux, Cicilia		
Photosensitivity in South Africa. II. The experimental production of the ovine hepatogenous photosensitivity disease geeldikkop (<i>Tribulosis ovis</i>) by the simultaneous ingestion of <i>Tribulus terrestris</i> plants and cultures of <i>Pithomyces chartarum</i> containing the mycotoxin sporidesmin. T. S. KELLERMAN, G. C. A. VAN DER WESTHUIZEN, J. A. W. COETZER, CICILIA ROUX, W. F. O. MARASAS, J. A. MINNE, G. F. BATH and P. A. BASSON.....	47	231-261
Shaugnessy, P. D.		
Occurrence of <i>Taenia solium</i> in a Cape fur seal (<i>Arctocephalus pusillus</i>). A. S. DE GRAAF, P. D. SHAUGNESSY, R. M. McCULLY and ANNA VERSTER.....	47	119-120
Stutterheim, C. J.		
A critical evaluation of the role played by the red-billed oxpecker <i>Buphagus erythrorhynchus</i> in the biological control of ticks. J. D. BEZUIDENHOUT and C. J. STUTTERHEIM.....	47	51-75
Sutherland, B.		
The temperature preferences of the motile stages of <i>Stomoxys calcitrans</i> Linnaeus (Diptera: Muscidae). B. SUTHERLAND.....	47	7-11
Physiological age determination in female <i>Stomoxys calcitrans</i> Linnaeus (Diptera: Muscidae). B. SUTHERLAND.....	47	83-88
Terblanche, H. M.		
Plasma progesterone in cattle. I. Development and validity of the assay. H. M. TERBLANCHE and J. M. LABUSCHAGNE.....	47	179-185
Theodoridis, A.		
Studies on neonatal calf diarrhoea caused by rotavirus: Transmission of the disease and attempted vaccination of colostrum-deprived calves. A. THEODORIDIS, L. PROZESKY and H. J. ELS.....	47	31-34
Wesselsbron disease: virology and serological studies in experimentally infected sheep and goats. A. THEODORIDIS and J. A. W. COETZER.....	47	221-229

	Volume	Page
Thomson, G. R.		
Experimental infection of warthog (<i>Phacochoerus aethiopicus</i>) with African swine fever virus. G. R. THOMSON, M. D. GAINARU and A. F. VAN DELLEN.....	47	19-22
Antibody to porcine parvovirus in warthog (<i>Phacochoerus aethiopicus</i>). G. R. THOMSON and I. PEENZE.....	47	45-46
Lesions resulting from inoculation of porcine foetuses with porcine parvovirus. L. PROZESKY, G. R. THOMSON, M. D. GAINARU, S. HERR and L. J. KRITZINGER.....	47	269-274
Tustin, R. C.		
Aetiology of jaagsiekte: experimental transmission to lambs by means of cultured cells and cell homogenates. D. W. VERWOERD, ETHEL-MICHELE DE VILLIERS and R. C. TUSTIN.....	47	13-18
Tyrer, Margaret J.		
Cerebral mycosis in a dog caused by <i>Cladosporium trichoides</i> Emmons 1952. S. J. NEWSHOLME and MARGARET J. TYRER.....	47	47-49
Van Dellen, A. F.		
Experimental infection of warthog (<i>Phacochoerus aethiopicus</i>) with African swine fever virus. G. R. THOMSON, M. D. GAINARU and A. F. VAN DELLEN.....	47	19-22
Van den Berg, A.		
The use of faecal analyses to estimate the phosphorus intake by grazing sheep. I. The use of pool instead of individual samples. P. C. BELONJE and A. VAN DEN BERG.....	47	163-167
The use of faecal analyses to estimate the phosphorus intake by grazing sheep. II. The repeatability of the technique and the influence of varying the phosphorus intake. P. C. BELONJE and A. VAN DEN BERG.....	47	169-172
Van der Made, H. N.		
The control of bacterial contamination in carcass meal with propionic acid. J. J. VAN STADEN, H. N. VAN DER MADE and EILEEN JORDAAN.....	47	77-82
Determination of the physicochemical and microbiological quality of carcass, bone and blood meal. H. N. VAN DER MADE, J. J. VAN STADEN, J. DE V. DU TOIT, EILEEN JORDAAN, E. L. BARRETT and J. D. COETZEE.....	47	197-201
Van der Walt, J. G.		
Glucose turnover, tolerance and insulin response in wethers, ewes and pregnant ewes in the fed and fasted state. J. G. VAN DER WALT, J. PROCOS and F. J. LABUSCHAGNE.....	47	173-178
Van der Walt, N. T.		
A haemagglutination and haemagglutination inhibition test for bluetongue virus. N. T. VAN DER WALT.....	47	113-117
Van der Westhuizen, G. C. A.		
Photosensitivity in South Africa. II. The experimental production of the ovine hepatogenous photosensitivity disease geeldikkop (<i>Tribulosis ovis</i>) by the simultaneous ingestion of <i>Tribulus terrestris</i> plants and cultures of <i>Pithomyces chartarum</i> containing the mycotoxin sporidesmin. T. S. KELLERMAN, G. C. A. VAN DER WESTHUIZEN, J. A. W. COETZER, CICILIA ROUX, W. F. O. MARASAS, J. A. MINNE, G. F. BATH and P. A. BASSON.....	47	231-261
Van Rensburg, L.		
Isolation of <i>Anaplasma marginale</i> from <i>Rhipicephalus simus</i> males. F. T. POTGIETER and L. VAN RENSBURG.....	47	285-286
Van Staden, J. J.		
The control of bacterial contamination in carcass meal with propionic acid. J. J. VAN STADEN, H. N. VAN DER MADE and EILEEN JORDAAN.....	47	77-82
Determination of the physicochemical and microbiological quality of carcass, bone and blood meal. H. N. VAN DER MADE, J. J. VAN STADEN, J. DE V. DU TOIT, EILEEN JORDAAN, E. L. BARRETT and J. D. COETZEE.....	47	197-201
Van Wyk, J. A.		
Survival and development of larvae of the common nematodes of ruminants after long-term cryopreservation and investigation of different routes of infestation. J. A. VAN WYK and H. M. GERBER.....	47	129-136
A field strain of <i>Haemonchus contortus</i> showing slight resistance to rafoxanide. J. A. VAN WYK and H. M. GERBER.....	47	137-142
Benzimidazole-resistant <i>Haemonchus contortus</i> —the effect of cryopreservation on the resistance of successive generations. J. A. VAN WYK and H. M. GERBER.....	47	143-146
A technique for the recovery of nematodes from ruminants by migration from gastro-intestinal ingesta gelled in agar: large scale application. J. A. VAN WYK, H. M. GERBER and H. T. GROENEVELD.....	47	147-158
Venter, H. J.		
Turkey meningo-encephalitis in South Africa. B. J. H. BARNARD, S. B. BUYS, J. H. DU PREEZ, S. P. GREYLING and H. J. VENTER.....	47	89-94
Vermeulen, Aletta S. M.		
Lack of cross-immunity among <i>Pasteurella multocida</i> Type A strains. C. M. CAMERON, LORRAINE PIENAAR and ALETTA S. M. VERMEULEN.....	47	213-219
Verster, Anna		
Occurrence of <i>Taenia solium</i> in a Cape fur seal (<i>Arctocephalus pusillus</i>). A. S. DE GRAAF, P. D. SHAUGNESSY, R. M. McCULLY and ANNA VERSTER.....	47	119-120
Verwoerd, D. W.		
Aetiology of jaagsiekte: experimental transmission to lambs by means of cultured cells and cell homogenates. D. W. VERWOERD, ETHEL-MICHELE DE VILLIERS and R. C. TUSTIN.....	47	13-18
Presence of <i>Herpesvirus ovis</i> DNA sequences in cellular DNA from sheep lungs affected with jaagsiekte (pulmonary adenomatosis). ETHEL-MICHELE DE VILLIERS and D. W. VERWOERD.....	47	109-112
Aetiology of jaagsiekte: transmission by means of subcellular fractions and evidence for the involvement of a retrovirus. D. W. VERWOERD, ANNA-LISE WILLIAMSON and ETHEL-MICHELE DE VILLIERS.....	47	275-280
Williamson, Anna-Lise		
Aetiology of jaagsiekte: transmission by means of subcellular fractions and evidence for the involvement of a retrovirus. D. W. VERWOERD, ANNA-LISE WILLIAMSON and ETHEL-MICHELE DE VILLIERS.....	47	275-280