

UNIVERSITEIT VAN PRETORIA

FACULTY OF VETERINARY SCIENCE FAKULTEIT VEEARTSENYKUNDE



75 TH ANNIVERSARY SYMPOSIUM AND
STE HERDENKINGSIMPOSIUM EN

12 TH FACULTY DAY
DE FAKULTEITSDAG

SEPTEMBER 27-29, 1995

PROGRAMME
PROGRAM



Animal Health
Dieregesondheid

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SPONSORS/BORGE

The Faculty of Veterinary Science of the University of Pretoria gratefully acknowledges the generous support of the following sponsors and the key role they have played in making this 75th Anniversary Symposium and 12th Faculty Day possible.

Die Fakulteit Veeartsenykunde van die Universiteit van Pretoria betuig sy innige dank teenoor die volgende borge vir die sleutelrol wat hulle gespeel het om hierdie 75ste Herdenkingsimposium en 12de Fakulteitsdag moontlik te maak.

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MESSAGE FROM THE VICE-CHANCELLOR AND RECTOR

BOODSKAP VAN DIE VISE-KANSELLIER EN REKTOR



Die 75ste verjaardagviering van ons Fakulteit Veeartsenykunde is 'n baie spesiale geleentheid vir die Universiteit van Pretoria. Die bydrae wat die Fakulteit tot die lewering van gehalte veteriniere en paraveteriniere mannekrag gemaak het, is iets waarop ons besonder trots is. Plaaslik, asook internasionaal, geniet ons graduandi hoë aansien en hul dienste is hoog in aanvraag. Hulle vervul 'n uiters belangrike rol in die lewering van 'n wye spektrum van veteriniere dienste wat vir die ekonomie en welvaart van ons land en omliggende streek, noodsaaklik is. Die toewyding van beide personeel en studente tot die opleidingstaak dra by tot die behoud van die hoë standaarde wat deur Sir Arnold Theiler in 1920 gestel is. Tweedebeste is net nie goed genoeg vir ons Fakulteit Veeartsenykunde nie.

The Faculty, now completely housed in new or remodelled facilities, must rank with the top veterinary training institutes in the world. Looking forward after 75 years of achievement, the Faculty is poised to enter a new and exciting era of involvement in the development and reconstruction of our country. Requests to participate and collaborate regionally as well as further afield are increasingly received. Rightfully the Faculty is being called upon to provide the lead at both undergraduate and postgraduate level. This in itself affords new challenges; challenges the Faculty, with the backing of 75 years of achievement, is most certainly in a position to meet.

The University of Pretoria extends its warmest congratulations to the Faculty as it celebrates its 75th birthday. Mag die ruim prestasie van die verlede vir u 'n aansporing wees om tot nuwe hoogtes in u strewende tot uitnemendheid te styg.

Prof P Smit
VISEKANSELLIER EN REKTOR

MESSAGE FROM THE DEAN BOODSKAP VAN DIE DEKAAN



As the oldest of the 28 Veterinary Faculties in Africa, the Faculty of Veterinary Science of the University of Pretoria can look back on the past 75 years with a degree of pride, a strong sense of achievement and a feeling of deep gratitude to all those who, in a myriad of ways, contributed to, and continue to contribute, to its growth and well-being.

The foresight of Sir Arnold Theiler and the firm foundation he set for the training of veterinarians to meet the continually changing challenges of Africa, have stood the Faculty in good stead over the last 75 years.

Perhaps the greatest strength of our training has been its broad base and the adaptability this has afforded our graduates.

Die sukses van 'n opleidingsinstituut word seersikerlik gemeet aan die sukses van sy graduandi in die werksmilieu. Die erkenning en aansien wat ons alumni beide nasionaal en oorsese geniet, getuig van die sukses van die gehalte van opleiding wat hul ontvang het. Hierdie welslae sou nooit behaal kon word, was dit nie vir die toewyding, harde werk en vertrouenswaardigheid van beide personeel en studente nie. Die uitdaging wat voor ons deur lê is om die standaard van die prestasies wat ons oor die eerste 75 bestaansjare behaal het, te handhaaf en uit te bou om aan die nuwe eise wat aan veteriniere opleiding gestel word, te voldoen.

What has been achieved over the years forms part of the aura and charisma of Onderstepoort that is etched into the annals of our proud history. It is surely something we must jealously guard as a profession for through it we will best meet the interests of the community at large that we serve.

To all who, through your hard work, have made our celebrations throughout the year possible and to all of you who join us as we commemorate this signal moment in our history, I extend a sincere thank you. Viva O.P.!

Prof R I Coubrough
DEKAAN

1995**THEILER MEMORIAL LECTURE INVITED SPEAKER
THEILER GEDENKLESING GASSPREKER****Dr W L “Bill” Jenkins****BVSc (Pret) MMed Vet(Pharm & Tox) (Pret) PhD (Missouri)**

Dr William Jenkins received his professional veterinary medicine degree from the University of Pretoria in 1958. In 1966, he completed the requirements of a specialist degree (MMedVet) in pharmacology and toxicology also at the University of Pretoria. He was granted the PhD degree by the University of Missouri at Columbia in 1970. Following four years of practice, he joined the Faculty of

Veterinary Science at the University of Pretoria, making his way through the academic ranks to become Professor and Head of the Department of Veterinary Physiology, Pharmacology and Toxicology in 1971. In 1978, he moved to the United States to the position of professor in the Department of Veterinary Physiology and Pharmacology at Texas A&M University. In 1988, he was appointed Dean of the School of Veterinary Medicine at Louisiana State University and was named Interim Vice-Chancellor for Academic Affairs and Provost in September, 1993. On February 1, 1994, he was named Vice-Chancellor for Academic Affairs and Provost.

Over the years, Dr Jenkins has taught extensively at both the professional and graduate levels. His fields of research specialization include basic and clinical veterinary pharmacology as well as ruminant physiology. In addition, he has a special interest in the pathophysiology of stress in domesticated animal species. He has published over 60 scientific articles as well as 15 chapters in various textbooks. He is co-author of a textbook on veterinary pharmacology. He has presented over 50 scientific papers and reports at both national and international meetings. He has been very active in the realm of continuing education, having delivered well over 100 lectures to diverse groups both in the United States as well as abroad.

He is a charter member of the American College of Veterinary Clinical Pharmacology and a current member, fellow or office bearer of 9 other professional organizations. He is a member of 6 Honour Societies and has received numerous awards including 5 teaching awards. He serves or has served on 38 committees and has consulted for many diverse institutions. He has acted as promoter or co-promoter for 9 doctoral and 7 masters students and served on the graduate committees of 29 doctoral and 21 masters students. He has spoken at a number of graduation ceremonies, delivered a number of keynote addresses at various meetings and acted as session chairman at numerous symposia and colloquia.

He is married to Peggy and has 4 children. He was a member of the College Station Noon Lions Club, is currently a member of The Baton Rouge Rotary club and is a parishioner and lector at St Jude's Catholic Church, Baton Rouge. His interests include wildlife, gardening, tennis and reading.

ORGANIZING COMMITTEE/REËLINGSKOMITEE

Prof R I Coubrough (Chairman; Convenor: Finance subcommittee)

Prof P Bland-van den Berg (Convenor: Programme subcommittee)

Prof H J Bertschinger (Convenor: Sports subcommittee)

Prof R C Krecek

Prof R Meintjes (Convenor: Social subcommittee)

Prof J S J Odendaal

Prof B L Penzhorn

Prof G E Swan

Prof J G van der Walt

Dr E A Boomker

Dr P H Turner

Mr F A Nel

Ms E L Nel

Mr F J Beukes

Miss L Prinsloo (Secretary)

Mr J G Kriek (Student representative)

PROGRAMME OVERVIEW / PROGRAM OORSIG

WEDNESDAY, SEPTEMBER 27, 1995

- 07:30 - 18:00 Registration.
Entrance hall, Theiler building.
- 09:00 - 12:00 Open morning with organised
tours through the faculty.
Groups leave from the front
of the Theiler building.
- 09:00 - 12:00 C-E Meeting:
Perspectives on the use of
animals for teaching, scientific
research and testing of drugs
and related substances.
VPH Seminar room.
Detail on page 10
- 12:00 - 12:45 Finger lunch.
Cafeteria, Theiler building.
- 12:45 - 13:45 University of Pretoria Choir.
Ground floor,
Theiler building.
- 14:00 - 15:30 Practice management seminar.
Room 1 - 35, Theiler building.
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- 15:30 - 16:00 Tea/Coffee.
- 16:00 - 18:00 SAVA AGM.
Room 1 - 35, Theiler building.
- 18:00 "OP Braai" / Class re-unions.
Cafeteria, Theiler building.
Detail on page 26

THURSDAY, SEPTEMBER 28, 1995

- 07:30 - 18:00 Registration.
Entrance Hall, Theiler building.
- 08:45 - 09:30 Official opening.
Dr V E Hesse
Chairman: Council University
of Pretoria
Room 1 - 35, Theiler building.
- 09:30 - 10:15 Theiler Memorial Lecture.
Veterinary Education 2000.
W L "Bill" Jenkins.
Room 1 - 35, Theiler building.
- 10:15 - 10:25 Lecturer of the Year Award.
Room 1 - 35, Theiler building.
- 10:25 - 10:30 Presentation to Faculty.
D R Osterhoff.
Room 1 - 35, Theiler building.
- 10:30 - 11:00 Tea/Coffee.
Christian Fellowship.
Room 1-35, Theiler building.
- 11:00 - 13:00 CE meetings/workshops/
wetlabs:
- * Applied veterinary epidemiology work-
shop.
Detail on page 12
- * An update on drug control and
management for the practising
veterinarian.
Detail on pages 13 and 14

**PROGRAMME OVERVIEW (continued)
PROGRAM OORSIG (vervolg)**

*	Cattle claw care and the diagnostic and therapeutic approach to teat conditions. Detail on page 15	14:00 - 17:00	SAVA Accompanying persons programme. Detail on page 25
*	Cytologic diagnosis of neoplasia. Detail on page 16	<u>FRIDAY, SEPTEMBER 29, 1995</u>	
*	Forum: socio-economics of veterinary research and training. Detail on page 17	07:30 - 12:30	Registration. Entrance hall, Theiler building.
*	Practical poultry diagnostic techniques for the private practitioner. Detail on page 18	08:30 - 10:30	Research papers. Room 1 - 35, Theiler building. Detail on pages 21 and 22
*	Small animal critical care. Detail on page 19	10:30 - 11:00	Tea and Poster session. Detail on pages 23 and 24
*	Update on parasitic diseases of small stock. Detail on page 20	11:00 - 12:30	Research papers (continued).
13:00 - 14:00	Finger Lunch. Cafeteria, Theiler building. Posters.	10:45 - 13:00	SAVA Accompanying persons programme. Detail on page 25
14:00 - 15:15	C E Meetings (continued).	12:30 - 13:30	Closing light lunch. Cafeteria, Theiler building.
15:15 - 15:45	Tea/Coffee.	p m	Sport (cross-country, tennis, golf, cricket, volleyball, soccer)
15:45 - 17:00	C E Meetings (continued).	<u>SATURDAY, SEPTEMBER 30, 1995</u>	
17:05 - 18:45	National VCG AGM. Room 1 - 35, Theiler building.	a m	Cricket
19:30 for 20:00	Gala Dinner and Dance (SAVA awards). Buffet de l'Opera, State Theatre. Detail on page 26		

WEDNESDAY, SEPTEMBER 27, 1995

SEMINAR ROOM, DEPARTMENT OF VETERINARY PUBLIC HEALTH

PERSPECTIVES ON THE USE OF ANIMALS FOR TEACHING, SCIENTIFIC RESEARCH AND TESTING OF DRUGS AND RELATED SUBSTANCES

PRESENTED BY THE DEPARTMENT OF VETERINARY PUBLIC HEALTH

Session chairman C M Veary

- | | |
|---------------|--|
| 09:00 - 09:15 | Welcome: C M Veary
Introduction: D G Thurman |
| 09:15 - 09:30 | The development and significance of the Animal Rights Movement
J C Austin |
| 09:30 - 09:40 | Debate |
| 09:40 - 09:55 | Ethical aspects of animal experimentation and of the scientific community
J C Austin |
| 09:55 - 10:05 | Debate |
| 10:05 - 10:20 | The laws relating to animal experimentation abroad and in South Africa
W A de Klerk |
| 10:20 - 10:30 | Debate |
| 10:30 - 10:45 | Refreshment Break |
| 10:45 - 11:00 | Laboratory Animal Welfare: the National Code for handling and use of animals in research, education, diagnosis and testing of drugs and related substances
W A de Klerk |
| 11:00 - 11:10 | Debate |

- 11:10 - 11:30 The defence of animal experimentation and improving public understanding of why and how animals are used in research
J Bleby
- 11:30 - 11:40 Debate
- 11:40 - 11:55 Summary: *Quo vadis?*
D G Thurman
- 11:55 - 12:00 Word of Thanks and Closure
C M Veary

WEDNESDAY SEPTEMBER 27, 1995

ROOM 1 - 35, SIR ARNOLD THEILER BUILDING

PRACTICE MANAGEMENT SEMINAR

Presented by Peter A Niemandt of Dyad Training Development Consultants under the auspices of the Northern Transvaal Branch of the South African Veterinary Association.

Session chairman G E Swan

14:00 - 14:45 Unleashing the magic of management

14:45 - 14:50 Break

14:50 - 15:30 Unleashing the magic of management (continued)

THURSDAY SEPTEMBER 28, 1995

SEMINAR ROOM, DEPARTMENT OF VETERINARY PUBLIC HEALTH

APPLIED VETERINARY EPIDEMIOLOGY WORKSHOP

PRESENTED BY THE DEPARTMENT OF VETERINARY PUBLIC HEALTH

14:00 - 15:15	Case studies in small groups B Gummow
15:15 - 15:30	Tea/Coffee
15:30 - 17:00	Case studies in small groups (continued) B Gummow

THURSDAY SEPTEMBER 28, 1995

ROOM 1 - 43, SIR ARNOLD THEILER BUILDING

**AN UPDATE ON DRUG CONTROL AND MANAGEMENT FOR
THE PRACTISING VETERINARIAN**

PRESENTED BY THE DEPARTMENT OF PHARMACOLOGY & TOXICOLOGY

Session chairman C J Botha

SESSION 1: REGISTRATION AND CONTROL PROCEDURES

11:00 - 11:05	Welcome G E Swan
11:05 - 11:20	Opening G Catton
11:20 - 11:30	The need for control of medicinal substances J Schlebusch
11:30 - 12:15	Overview of the registration and control of veterinary products in South Africa G E Swan
12:15 - 12:30	What scheduling means to the practising veterinarian J A J van Vuuren
12:30 - 12:45	Use of Stock Remedies in Veterinary practice R D Sykes
12:45 - 13:00	Requirements for the use of Veterinary Medicines and Stock Remedies in terms of the Veterinary Act T W Naudé
13:00 - 14:00	Lunch

AN UPDATE ON DRUG CONTROL AND MANAGEMENT FOR THE PRACTISING VETERINARIAN (continued)

Session chairman J Schlebusch

SESSION 2: DISPENSING REQUIREMENTS

- | | |
|---------------|--|
| 14:00 - 14:30 | Legal requirements for the acquisition, supply and use of scheduled substances
J A J van Vuuren |
| 14:30 - 15:00 | Good dispensing practice
J du Toit |
| 15:00 - 15:15 | The use of unregistered medicinal substances in animals
C J Botha |
| 15:15 - 15:45 | Tea/Coffee |

Session chairman A Dreyer

SESSION 3: MEDICINES CONTROL INSPECTIONS

- | | |
|---------------|--|
| 15:45 - 16:15 | The medicines control inspection procedure
A van Zyl |
| 16:15 - 16:30 | The inspector on your doorstep: a personal experience
A Killian |
| 16:30 - 16:45 | Adverse drug reaction monitoring
J Taylor |
| 16:45 - 17:00 | Summary and closing remarks
G E Swan |

THURSDAY SEPTEMBER 28, 1995

RADIOLOGY SEMINAR ROOM AND PRODUCTION ANIMAL
CLINIC, VETERINARY ACADEMIC HOSPITAL

**CATTLE CLAW CARE AND THE DIAGNOSTIC AND THERAPEUTIC
APPROACH TO TEAT CONDITIONS**

PRESENTED BY THE DEPARTMENT OF MEDICINE

Session Chairman SR van Amstel

- | | |
|---------------|--|
| 11:00 - 12:00 | Biomechanics and functional anatomy. Demonstration of claw trimming equipment and procedures
S R van Amstel and A Shakespeare |
| 12:00 - 13:00 | Diagnostic and therapeutic approach to disorders of the bovine digit
S R van Amstel |
| 13:00 - 14:00 | Lunch |
| 14:00 - 15:15 | Practical claw trimming: hands on session
SR van Amstel and A Shakespeare |
| 15:15 - 15:45 | Tea/Coffee |
| 15:45 - 16:00 | Teat skin lesions
A Shakespeare |
| 16:00 - 16:20 | Teat lacerations and trauma
C L C Tutt |
| 16:20 - 16:45 | Teat ultrasonography
C L C Tutt |
| 16:45 - 17:00 | Use of teatoscopy as a diagnostic and treatment aid:
practical demonstration
S R van Amstel |

THURSDAY SEPTEMBER 28, 1995

CLINICAL PATHOLOGY TEACHING LABORATORY

ROOM 3-31, VETERINARY ACADEMIC TEACHING HOSPITAL

CYTOLOGIC DIAGNOSIS OF NEOPLASIA

PRESENTED BY THE CLINICAL PATHOLOGY SECTION OF THE DEPARTMENT
OF MEDICINE

11:00 - 12:15	Demonstration and lecture F Reyers and G Dippenaar
12:15 - 13:00	Evaluation of unseen material
13:00 - 14:00	Lunch
14:00 - 15:15	Repeat demonstration and lecture for second group of participants
15:15 - 15:45	Tea/Coffee
15:45 - 16:30	Repeat of evaluation of unseen material for second group

THURSDAY SEPTEMBER 28, 1995

ROOM 1 - 44, SIR ARNOLD THEILER BUILDING

FORUM: SOCIO-ECONOMICS OF VETERINARY RESEARCH AND TRAINING

PRESENTED BY THE DEPARTMENT OF VETERINARY TROPICAL DISEASES

Session chairman R C Krecek

- | | |
|---------------|--|
| 14:00 - 14:15 | Introduction
R C Krecek |
| 14:15 - 14:30 | Report back on 1995 socio-economic workshop
C M E McCrindle |
| 14:30 - 14:50 | Socio-economics of animal husbandry
H Els |
| 14:50 - 15:00 | Discussion |
| 15:00 - 15:15 | Socio-economics of herd health
D Odendaal |
| 15:15 - 15:45 | Tea/Coffee |
| 15:45 - 16:00 | Importance of ethology in socio-economics
J S J Odendaal |
| 16:00 - 16:15 | A socio-economic research project in Hammanskraal
D Wells |
| 16:15 - 16:30 | Community Outreach in Hammanskraal
M Ameen |
| 16:30 - 16:45 | Community Outreach in schools
N Swanepoel |
| 16:45 - 17:00 | A research programme in socio-economics
A J Snijders |
| 17:00 - 17:15 | The way forward
R C Krecek |

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THURSDAY SEPTEMBER 28, 1995

POULTRY REFERENCE LABORATORY POST MORTEM HALL

**PRACTICAL POULTRY DIAGNOSTIC TECHNIQUES FOR THE
PRIVATE PRACTITIONER**

PRESENTED BY THE DEPARTMENT OF POULTRY DISEASES

14:00 - 15:15 Demonstration and "wet lab"
 A F Travers and M Liebenberg

15:15 - 15:45 Tea/Coffee

THURSDAY SEPTEMBER 28, 1995

ROOM 1-37 , SIR ARNOLD THEILER BUILDING

SMALL ANIMAL CRITICAL CARE

PRESENTED BY THE DEPARTMENTS OF MEDICINE AND SURGERY

Session chairman W L Berry

11:00 - 11:05	Introduction W L Berry
11:05 - 11:30	Patient Care R J Milner
11:30 - 12:15	Fluid therapy and Shock W L Berry
12:15 - 13:00	Cardiopulmonary resuscitation A Leisewitz
13:00 - 14:00	Lunch
14:00 - 14:45	Gastric dilatation and volvulus H Schroeder and N Lambrechts
14:45 - 15:15	Thoracic emergencies: pneumothorax and pleural effusion R G Lobetti
15:15 - 15:45	Tea/Coffee
15:45 - 16:30	Thoracic emergencies: diaphragmatic hernia and flail chest G L Coetzee
16:30 - 17:00	Nutritional support W L Berry

THURSDAY SEPTEMBER 28, 1995

ROOM 1-38 , SIR ARNOLD THEILER BUILDING

UPDATE ON PARASITIC DISEASES OF SMALL STOCK

PRESENTED BY THE DEPARTMENT OF VETERINARY TROPICAL DISEASES

Session chairman B L Penzhorn

- | | |
|---------------|---|
| 11:00 - 11:30 | Host resistance to endoparasites
G F Bath |
| 11:30 - 12:00 | The use of slow-release formulations for parasite control
J P Louw |
| 12:00 - 12:30 | New technologies in the application of ectoparasiticides
L Fourie |
| 12:30 - 13:00 | Implications of extra-label use and precautions for antiparasitic remedies
G E Swan |
| 13:00 - 14:00 | Lunch |
| 14:00 - 14:20 | Economic importance and control of <i>Oestrus ovis</i> infestations in sheep
I G Horak |
| 14:20 - 14:40 | Economic importance and control of tapeworms in small stock
I G Horak |
| 14:40 - 15:00 | Economic importance and control of coccidiosis in small stock
B L Penzhorn |
| 15:00 - 15:15 | Identification of ectoparasites
I G Horak and J P Louw |
| 15:15 - 15:45 | Tea/Coffee |
| 15:45 - 17:00 | Identification of ectoparasites (continued)
I G Horak and J P Louw |

FRIDAY SEPTEMBER 29, 1995

ROOM 1-35, SIR ARNOLD THEILER BUILDING

RESEARCH PROGRAMME: SHORT COMMUNICATIONS

Session Chairman R D Gottschalk

- 08:30 - 08:45 The effect of road transportation on external water and electrolyte balance of conditioned horses
J S van den Berg, A J Guthrie, R A Meintjes, J P Nurton,
D Adamson, C Travers and R Lund
- 08:45 - 09:00 The effect of clenbuterol sodium on maximal exercise performance in conditioned Thoroughbred horses
C Travers, A J Guthrie, J S van den Berg, R Lund, J P Nurton,
D Adamson, A Koekemoer and H Mostert
- 09:00 - 09:15 Preliminary results comparing two techniques of sealing the external surfaces of equine cheek teeth for *in vitro* testing
A Olivier and M L Turner
- 09:15 - 09:30 Epidemiological study of lost training time in Thoroughbred racehorses in Gauteng
J P Nurton, A Olivier and A J Guthrie

Session chairman A Leisewitz

- 09:30 - 09:45 Effects of long term utilization of vaccines against infectious coryza on the antigenic distribution of the *Haemophilus paragallinarum* population
R R Bragg, L Coetzee and J A Verschoor
- 09:45 - 10:00 The effect of ruminoreticulum development on the pharmacokinetics of rafoxanide administered intravenously in growing lambs fed different rations
G E Swan and M S G Mulders

RESEARCH PROGRAMME: SHORT COMMUNICATIONS (continued)

- 10:00 - 10:15 The use of curdlan sulphate in the treatment of canine babesiosis
J H Taylor, G E Swan, I Havlik, B D Lewis, L Jacobson and B L Penzhorn
- 10:15 - 10:30 The comparative role of haemoglobinaemia and hypoxia in the development of canine babesial nephropathy
R G Lobetti, F Reyers and J W Nesbit
- 10:30 - 11:00 Tea/Coffee
- Session Chairman DH Volkmann
- 11:00 - 11:15 The fertility of bulls with poor sperm morphology
J O Nöthling and E P Arndt
- 11:15 - 11:30 A comparative observational study on the reproductive performance of dairy cows with metritis and normal cows
D C Lourens
- 11:30 - 11:45 The role of the large intestine in acid - base balance in sheep
R A Meintjes and H Engelbrecht
- 11:45 - 12:00 *In vitro* liver perfusion: a viable tool for the study of ruminant hepatic physiology
J G van der Walt, M Silove, E A Boomker and N P J Kriek
- 12:00 - 12:15 Forensic examination of a mouse allegedly found in a previously sealed can of milk stout
M C Williams
- 12:15 - 12:30 Evaluation of the effect of sample colour on the results produced by dry-chemistry analyzers
F Reyers and E Myburgh

FRIDAY SEPTEMBER 29, 1995

GROUND FLOOR, SIR ARNOLD THEILER BUILDING

RESEARCH PROGRAMME: POSTERS

Session chairman C M Veary

10:30 - 11:00 Tea and viewing of posters

Quarter-ml straws improved post-thaw motility of dog semen
J O Nöthling

Case report: failure of luteolysis in a parturient bitch
P C Irons, J O Nöthling and D H Volkmann

A new variant in the protease inhibitor system in Namib Desert horses
E van Dyk, L Botha and A Nel

The ultrastructure of cane rat (*Thryonomys swinderianus*) spermatozoa
J T Soley, L M Westlin and H J Els

Evaluation of the sensitivity of DNA probes for the detection of *Salmonella enteritidis* in eggs
M Nortje and R R Bragg

Farmtech dairy management programme: a computer programme to support herd health and production control
D C Lourens, H D Patrickson, I Malleon and H Malleon

Bovine vesicular gland enlargement: attempts to establish causative factors
W A Schultheiss, H J Bertschinger, J Kahts, P Evans, B Gummow and M van Vuuren

Revealing a foal swop
E van Dyk, L Botha and A Nel

RESEARCH PROGRAMME: POSTERS (continued)

Transplacental transmission of *Babesia equi*

B D Lewis, B L Penzhorn, M T E P Allsop, D H Volkmann and
A J Guthrie

Laboratory diagnosis of filarial infections in dogs and cats

E V Schwan, D T Durand and J C Lourens

The serological investigation of viral infections of the upper
respiratory tract in foals on a Thoroughbred stud farm

J A Picard

Practice management according to a system analysis

J S J Odendaal

GENERAL INFORMATION**ALGEMENE INLIGTING**

- * On registration you will receive a congress bag containing the final programme, proceedings for those courses for which you have registered, tickets for social events for which you have registered, information regarding your tour group number and leader if you have registered for the Faculty tour and various other brochures and maps.
- * Public telephones are located opposite the lift on the ground floor of the Theiler building. Fax and photocopy facilities are available on request.
- * A Saswitch ATM is available located next to the stairs leading from the foyer of the Theiler Building to the cafeteria.
- * The art works displayed in the entrance foyer are the handiwork of Faculty staff and students. We have some very talented people in our midst so please take time off to enjoy the exhibition!
- * Please approach the registration desk for help with any queries or problems you may have.
- * Arrangements for the sporting events will be made informally during the symposium. Take note of announcements and watch the notice board!

ACCOMPANYING PERSON'S PROGRAMME**METGESELLE PROGRAM**

THURSDAY SEPTEMBER 28, 1995
14:00 - 17:00

Visit to de Wildt Cheetah farm. Elwierda bus (maximum 30 people) will depart from in front of the Theiler building at 14:00. The visit includes a lecture, walk, game drive and a gift pack which includes light refreshments. Return to Onderstepoort will be approximately 17:00. Cost R45.00 per person to be paid at the registration desk before the visit.

FRIDAY SEPTEMBER 29, 1995
10:45 - 13:00

Visit to the Northern Transvaal Arts Association to view the exhibition of art works produced by veterinarians and their families. A minibus driven by Dr Nicolene Swanepoel will leave from the front of the Theiler building at 10:45. Viewing of the exhibition will be led by Ms Margaret Slabbert of the Department of Visual Arts of the University of Pretoria. The bus will arrive back at Onderstepoort at 13:00. There is no charge for this excursion. Persons wishing to take part in this visit should leave their names at the registration desk or telephone Dr Swanepoel directly at 5298226 or 5298241.

SOCIAL PROGRAMME**SOSIALE PROGRAM**WEDNESDAY SEPTEMBER 27, 1995
OP BRAAI/CLASS RE-UNIONS

Time: 18:00

Venue: Cafeteria,
Theiler building.

Dress: Casual.

Cost: R45/person.
Tickets through prior registration or at the registration desk during the symposium.

Come and enjoy lamb on the spit, boerewors and steak with all the trimmings and appropriate liquid refreshments and catch up on classmates' news in the relaxed atmosphere of Onderstepoort!

THURSDAY, SEPTEMBER 28, 1995
GALA DINNER AND DANCE

Time: 19:30 for 20:00

Venue: State Theatre, Church street.

Dress: Formal.

Cost: R50/person. Tickets through prior registration or at the registration desk during the symposium.

After parking in the underground parkade at the State Theatre take the lifts to the main reception area on the first floor where drinks will be served at 19:00. Thereafter take the stairs down to the Buffet de l'Opera for the rest of the evening. Short formalities will include a toast to the Faculty and the presentation of the SAVA awards. An exceptional menu complimented by good music courtesy of the Golden City Jazz Band will ensure an unforgettable evening.

FRIDAY SEPTEMBER 29, 1995
BRING & BRAAI

Time: ± 18:00

Venue: L C de Villiers.

Dress: Casual.

Cost: No charge.

To facilitate arrangements please confirm your attendance with the registration desk. This get together is especially for the sporting types and their partners and will take the form of a relaxed bring and braai on conclusion of the various sporting events. Any other persons who wish to end off the symposium in this way would also be very welcome. Fires, paper plates, plastic cups, cutlery, braai tongs and limited seating will be available. Bring all your own food & drink and folding chairs if you have them. Enjoy the evening!



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