OP News

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The Waterberg Copper fluttered out of extinction

Photo: Jeremy Dobson

Read about the rediscovery (after an absence of almost two decades) of this butterfly on page 17.

New Poultry Disease Management Agency

and UP Research Poultry Chair launched in the Faculty

The Poultry Disease Management Agency (PDMA) and UP Poultry Research Chair in the Faculty of Veterinary Science was officially launched by the Faculty and the South African Poultry Association (SAPA) on 27 March.

This exciting, collaborative partnership aims, among other things, to conduct research on poultry diseases that have an impact on our economy. The first incumbent of this Chair, Prof Celia Abolnik, who was recently appointed by the Department of Production Animal Studies, will be conducting research projects in conjunction with the PDMA, the government and other relevant stakeholders.

Since the main aim of the Chair is to prevent and fight poultry diseases, Prof Abolnik has already sourced R7.9 million in funding for projects that will ensure efficient postgraduate student training in this unit, produce diagnostic tools to aid the fight against poultry diseases in the national flock, and produce research outputs of a high international standard. Another

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South African Veterinary Council visitation to the Faculty

Prof Morkel Terblanche

The visitation of the South African Veterinary Council (SAVC) to the Faculty is authorised by law, in terms of the Veterinary and Paraveterinary Professions Act, in order to register the holders of specified qualifications to practise a veterinary or paraveterinary profession.

The Council is also the custodian of minimum training requirements, as prescribed by the Act, and may therefore arrange visitations from time to time for the optimal evaluation of prescribed degrees and/or diplomas and to provide an accurate assessment of the extent to which these degrees and/or diplomas fulfil the minimum training requirements for veterinary and paraveterinary

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Faculty of Veterinary Science

From the
Desk of the Dean

The year has reached its halfway mark at an extraordinary pace. Yet, we have accomplished so much during the last few months. It has turned out to be a very exciting and important year for the Faculty. We are continuously faced with various challenges. A number of developments will play a fundamental role in the future path of this Faculty.

On 11 to 13 February, Faculty management attended a Bosberaad to reflect on various important issues. Some of the crucial aspects that were discussed would serve as steering mechanisms to guide the Faculty into the future. In this regard it is important that all the navigational markers set out in the University Plan are considered in developing the Faculty's strategies and plans to ensure its continued growth and stability.

From a stakeholder perspective, a balanced scorecard was developed by the Faculty Advisory Board to assist the Faculty in achieving its goals. All the items included in the balanced scorecard will be integrated into the Faculty Plan. The actions to be taken to achieve a particular outcome are most important and need to be communicated clearly within the Faculty. This is an active management responsibility and is linked to the critical performance areas of each Head of Department.

The Faculty's academic mission, incorporating training, teaching and learning, is aligned with the University of Pretoria's plans. This means that the Faculty also focuses on achieving the University's goals and strategies.

The University of Pretoria strives to be a research-intensive university. It is thus crucial that the Faculty progressively focuses on recruiting talented academic staff, growing the number of postgraduate students, developing unique and relevant research areas and facilities, and publishing articles in high-impact ISI-accredited scientific journals to ensure that the face of research is more visible.

For the first time in the history of this Faculty, more black students were admitted to the first year of the veterinary science programme in 2013. This is a milestone for the Faculty and was pointed out in a recent letter by the Vice-Chancellor and Principal, Prof Cheryl de la Rey, to the Minister of Higher Education and Training, Dr Blade Nzimande.

As early as 2012, there was a marked increase in the number of applications and the Faculty was able to fill all equity categories with students who met the requirements for admission. This apparent increase improved further in 2013. Out of a total of 135 students admitted at the beginning of 2013, 70 students (52%) were black. Although an additional 55 students still need to be admitted in the middle of the year and at the end of the year to reach the planned new intake of 190 students per annum, these remaining admission categories are also equally divided into open and equity subcategories. Although this dynamic upsurge was assisted by an intensive and continuing awareness and recruitment drive over many years, the introduction of the Faculty's new veterinary six-year programme and a new selection policy and procedure have gone a long way to contribute to this development.

The process of reviewing the existing academic programmes and curricula is aimed at progressive development, local relevance, optimisation of the degree structure, introduction of defined veterinary competencies, continued excellence in training and learning, and ultimately, the global accreditation of the Faculty. It is also a continuing process and the Faculty has made significant progress in the development of the new curriculum.

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The continued recognition of the qualification(s) presented at Onderstepoort depends on a favourable evaluation by the South African Veterinary Council (SAVC). The 2013 accreditation visit again included observers of the RCVS and AVBC. Led by Dr Danie Odendaal, the teams also included representatives from the Department of Agriculture, Forestry and Fisheries, the University of Cape Town, the School of Veterinary Medicine in Zambia and private practice. For the purpose of the visits, the Faculty prepared comprehensive self-evaluation reports for both and a DVD with emphasis on training and the teaching experience of students. My sincere appreciation goes to every staff member, student and all other external representatives who contributed and participated to make the visit a success.

The excellent outcome with regard to the number of postgraduate degrees that were conferred in 2012, namely 47 master's degrees and 17 PhD degrees, bodes well for the future. Even more rewarding is the fact that the number of PhD graduates is more than double the number that has ever graduated from this Faculty.

To become and stay an internationally renowned veterinary seat of excellence, the Faculty needs to stay abreast of international trends and developments. One such important and essential element is the deployment of information and communication technology (ICT) as a strategic resource. ICT is an essential and important strategic resource for the University's scientific work, its management of knowledge, in interacting with students, staff and members of other institutions, and for the efficient administration of the University. In this regard, the Faculty has already devised a broad strategy to develop an open-content information and communication technology platform as a mainstream education platform. The aim is to develop a central ICT system for the Faculty in which ClickUP would be used as the Faculty Virtual Learning Environment within which online programme and course services will be arranged.

Against this background, the Faculty has taken the lead within the University of Pretoria's learning environment for the development and implementation of open educational resources (OER). The development and promotion of such resources is often motivated by a desire to provide an alternate or enhanced educational paradigm. This is indeed what the Faculty ascribes to in its future vision for the enhancement and quality of its teaching, learning and research.

The Faculty is currently collaborating with OER Africa, an initiative established by the South African Institute for Distance Education (SAIDE), to steer the development, implementation and use of OER in the Faculty. Progress made to endorse this concept in the Faculty includes departmental work sessions about OER in all five departments of the Faculty. An OER workshop has been held, as well as an awareness session for the South African Veterinary Association (SAVA). The Faculty is in the process of appointing a dedicated OER e-learning specialist to drive this initiative.

One of the University of Pretoria's key driving forces is its commitment to delivering quality research outputs. The achievements of the Faculty's staff members not only underline this commitment, but also subscribe to the notion of the Faculty to make research a primary thrust, aiming to stimulate and focus research on unique problems, which will give the Faculty a leading edge. The Faculty produced its highest ever output of research articles in 2012, including of the highest impact journals. It also excelled at a gala dinner on 23 April, celebrating the University's exceptional academic achievers and recent NRF-rated researchers. The highlight of the evening was the presentation of certificates to the award winners. Dr Dayo Fasina received an Exceptional Young Researcher Award. Prof Pete Irons, Prof Bruce Gummow, Prof Johan Nöthling, Dr Brighton Dzikiti and Dr Kgomotso Sibeko received NRF ratings for the period 2013 to 2018. This event clearly shows the excellent progress made by the Faculty in research capacity in recent years. It also typifies the University's new-found value placed on its human capital and its willingness to provide an environment that nurtures excellence.

Recently, Prof Linda van Ryneveld has been appointed as Director: Teaching and Learning. She takes over from Prof Morkel Terblanche, who has recently retired as Deputy Dean: Teaching and Learning. We welcome Prof van Ryneveld in our midst and wish her a very successful, productive and enjoyable relationship with the Faculty. Prof Terblanche's expertise, dedication and selfless service would be sorely missed. However, he is not lost to the Faculty yet and he will continue to assist the Faculty in a consultative capacity.

It is of the utmost importance that the Faculty positions itself as an internationally accredited seat of veterinary excellence. This can be done through effective internationalisation, continuing extensive networking and partnerships, and ensuring the quality of our training programmes, research and facilities. This will create an environment that is conducive to distinction and excellence. The Faculty's community engagement programmes also place it in a unique position that is very attractive to its international partners.

The Faculty is extensively involved in a wide range of community engagement programmes, resulting in the empowerment of communities. This is also in line with the University's view to become more responsive to the needs of South Africans through community engagement programmes and projects.

The increased intake of BVSc students at the Faculty provides some challenges to the existing facilities on the Onderstepoort Campus. To accommodate the larger numbers, while creating facilities where certain skills and procedures can be taught to and practised by students, the Faculty embarked on a new building project. Plans for some of the facilities have been completed and building will commence towards the end of June 2013. Funds for this expansion have been made available by the Skills Development Fund of the Department of Higher Education and Training. As part of this project, a new multidisciplinary laboratory, a new skills laboratory, a new student study centre and offices for student administration and the Client Service Centre will be established in the immediate future. However, we are also looking beyond that and further new additions are planned, including additional residences and a wet lab in the OVAH.

We still have a lot to do during this year, which will bring new ideas, new challenges and perhaps even some real testing times. We will also have to look beyond to the future and continue to place the relevant navigational markers along the road that lies ahead. However, I believe that this Faculty, with its remarkable wealth of resources and human capital, will be able to weather any storm, face every challenge and successfully reach the next level of distinction and excellence. According to our strengths, our excellent facilities, intellectual resources and unique environment, we can continue to extend our abilities to be globally competitive, regionally pre-eminent, sustainable, and internationally and locally relevant.

Prof Gerry Swan
Dean

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During the launch, Prof Celia Abolnik, first incumbent of the PDMA-UP Poultry Research Chair (left), gives a short tour of the newly opened research laboratory in the poultry section of the Department of Production Animal Studies.

exciting development is the upgrading of the Poultry BSL3 Unit, which was made possible by another generous investment by SAPA. The Unit will enable new studies to be conducted on poultry diseases in South Africa.

Dr Charlotte Nkuna, Director of the PDMA, will be working alongside Prof Abolnik and will be responsible for disease reporting, providing technical support to farmers and forging positive relations between SAPA, the Department of Agriculture, Forestry and Fisheries (DAFF), the Faculty and other stakeholders.

The Honourable Mr Mlungisi Johnson, Chairperson of the Portfolio Committee on Agriculture and the guest speaker at the launch, emphasised the importance of this event, particularly referring to the dire diseases that the poultry industry and our country are currently facing. According to Mr Johnson, South Africa is definitely in desperate need of a well-maintained budget in order to effectively conduct research in the poultry industry. Poultry diseases have a major effect on our country's economic status.

Other guests from various organisations representing the poultry industry included Dr Boikhutso Ntshabele from DAFF, as well as Dr Louis Theron from SAPA. At the end of the formal programme, Prof Albonik gave a short tour of the newly opened research laboratory in the poultry section.

Prof Pete Irons, Head of the Department of Production Animal Studies in the Faculty, was also present. He was pleased with the timing of this launch and considers this a beneficial tool to prevent and fight the alarming diseases the poultry industry is experiencing in South Africa.

Unlike some other countries in Africa, South Africa has one of the best food supplies. However, as citizens, we are unaware of our immediate situation with regard to the many diseases the poultry industry is facing.

Prof Gerry Swan, Dean of the Faculty of Veterinary Science, acknowledged the significance of this launch and emphasised the fact that it is high time that all stakeholders in this industry, including Onderstepoort Biological Products (OBP) and the Onderstepoort Veterinary Institute (OVI), unite to fight poultry diseases in South Africa.

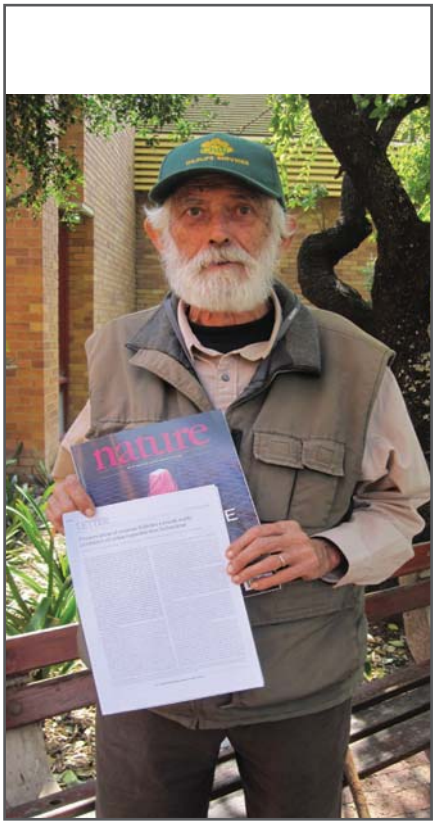
Prof Celia Abolnik

Mr Mlungisi Johnson, Chairperson of the Portfolio Committee on Agriculture, was the guest speaker at the launch of the PDMA-UP Poultry Disease Research Chair.

Mesozoic birds

studied in the Department of Paraclinical Sciences

The Department of Paraclinical Sciences is not only expanding its horizons, it is also digging deeper into the past. Dr Fritz Huchzermeyer, who is an extraordinary lecturer in the Department, was the co-author of an article that was recently published in the prestigious journal *Nature*. The work was done in collaboration with palaeontologists in China. This publication reported on the preservation of ovarian follicles in Mesozoic birds from China and the early evolution of avian reproductive behaviour. Crocodilians and birds are closely related to dinosaurs and are ideal models for explaining the reproductive behaviour of these extinct animals.



Dr Fritz Huchzermeyer with the edition of *Nature* in which his article was published.

Dr Huchzermeyer has worked on all sorts of unusual patients over the years. He started his veterinary career by focusing on chickens and ostriches, and he is the author of two well-known books on ostriches. From ostriches, he expanded his expertise to crocodiles. Again, he contributed significantly to crocodile health by producing the only available textbook that focuses on crocodilian medicine. This book is still used by scientists and veterinarians all over the world. He is a man of many talents and is now doing the final editing of his latest book on the evolution of human nutrition.

During the last few years, he started to collaborate more with palaeontologists. His in-depth knowledge of crocodilian anatomy helped to explain some of the palaeontological findings. The fossils, with reproductive organs, that were discovered in China were the first of their kind, revealing new clues regarding bird-like dinosaur reproduction. The identification of the mature ovarian follicles allowed a rare opportunity to confidently identify the gender of these animals. The consistent preservation of the follicles on the left side of the body suggested that the right functional ovaries were lost during the dinosaur-avian transition period.

Another interesting conclusion was about the timing of sexual maturation. In crocodilians, reproduction has an early onset, and happens before the animal reaches skeletal maturity. Most modern birds grow rapidly, typically reaching skeletal maturity within one year, although not typically becoming sexually mature until later (two to eight years and only six months in the domestic chicken). However, the paravian dinosaurs revealed a more crocodilian-like pattern of reaching sexual maturity before skeletal maturity.

Dr Huchzermeyer is thanked for his scientific contributions to, and constant support of the Department of Paraclinical Sciences. A large number of scientific projects at the Faculty of Veterinary Science, focusing on the Nile crocodile, were initiated through his enthusiasm for these living dinosaurs.

Dr Jan Myburgh,
Department of Paraclinical Sciences

Image by Pavel Riha

Production Animal Studies
bolsters its wildlife team

Dr Michael Kock, a South African wildlife veterinarian, has joined the Faculty as a senior lecturer, in the Department of Production Animal Studies. Dr Kock has studied and worked on three continents during his career of 37 years. During this period, he also conducted field projects in 13 African countries. He worked with exotic species, zoo animals and free-ranging wildlife in North America, while being based at the University of California, Davis, in the 1980s. There he completed a zoological medicine residency and a master's programme.

He has extensive experience with the capture and care of wild animals, especially with larger mammals, such as the white and the black rhinoceros, and savanna and forest elephants. He spent several years working with Africa's forest elephant, while he was employed by the Wildlife Conservation Society (WCS). This work required spending lengthy periods of time tracking forest elephants through the tropical rainforests of Gabon and Congo, working with the locals and allied experts, and encountering the full spectrum of forest fauna in the process. He also gained a wealth of experience in combating rhino poaching during the years he worked in Zimbabwe, which give him a unique perspective on South Africa's current situation.

Forest elephants, Loango National Park, Gabon.

An immobilised bull savanna elephant in Mozambique.

Dr Kock has been a leader in the development of the discipline of the veterinary management of wildlife. He has been involved with the organisation and presentation of the game capture course in Zimbabwe for over 20 years, and has written and edited a book with Dr Richard Burroughs entitled *Chemical and physical restraint of wild animals: A training and field manual for African species*. The University of California, Davis, recognised his achievements with an alumni achievement award in 2010 for his outstanding contributions to wildlife health, conservation and management in the USA and Africa.

Capturing wild animals can be fun but nerve-racking, and knowledge and experience are essential in the conservation toolbox of a wildlife veterinarian.

Dr Kock's task will be to use this experience to help train and mentor under- and postgraduate students in the art and science of wild animal management and capture.

His interests go way beyond catching game. He emphasises examining health issues at the interface between wildlife, livestock and humans, and their conservation implications.

Healthy people are more likely to support conservation efforts and become good environmental stewards. It is about people, after all. As such, Dr Kock will be part of the Faculty's

Dr Jacques O'Dell with a white rhino out in the field performing tests.

The interface: a Dinka cattle camp in the Republic of South Sudan.

One Health team, working with other team members and contributing his wildlife and conservation expertise to the service of others.

The Department wasted no time in recruiting a clinical assistant to receive training in wildlife medicine under Dr Kock's supervision. Dr Jacques O'Dell joined the Faculty in this role in April, and has already gained excellent exposure to cases in the hospital and on farms under Dr Kock's guidance.

Ultimately, the Department's goal is to develop a field service. This service will operate out of the Faculty, providing professional input into the wildlife industry and encompassing game ranches, conservancies and reserves.

The service will aim to improve relationships with various stakeholders in South Africa and beyond. All of this will provide the opportunity for training students and, therefore, develop core competencies in wildlife health, capture and care.

UP honours its top achievers

The Faculty's staff members were well represented at a gala dinner that celebrated the University's exceptional academic achievers and recent NRF-rated researchers, which was held on 24 April.

The Faculty staff members that were honoured at the gala dinner are from left to right, Prof Pete Irons, Dr Brighton Dzikiti, Dr Kgomotso Sibeko, Dr Dayo Fasina and Prof Johan Nöthling.

A total of 109 UP researchers were honoured at this event. The guest speaker, Prof Salim Karim from the University of KwaZulu-Natal, highlighted the two key elements of his successful research on the prevention of HIV transmission in young women, namely perseverence and serendipity. After eight unsuccessful trials, over a period of 15 years, his team had a breakthrough.

This breakthrough led to the patenting of an effective product and the discovery of a mutation in the human immunodeficiency (HI) virus, which triggers a highly effective immune response. It was truly an inspirational presentation, and one that paved the way for sustained research success at the University.

Dr Dayo Fasina, from the Department of Production Animal Studies, received an Exceptional Young Researcher Award. Prof Pete Irons, Prof Bruce Gummow and Prof Johan Nöthling from the Department of Production Animals Studies, Dr Brighton Dzikiti from the Department of Companion Animal Clinical Studies, and Dr Kgomotso Sibeko from the Department of Veterinary Tropical Diseases received National Research Foundation (NRF) ratings for the period 2013 to 2018.

This event clearly shows the Faculty's excellent progress in research capacity in recent years.

It also shows that the University values its human capital and is willing to provide an environment that nurtures excellence.

Paraclinical Sciences

hosts immunosorbent assay workshop

A grant for a collaborative research project to develop and validate diagnostic tools for cyanotoxins in southern Africa has been received from the Research Council of Norway's Environment and Development (FRIMUF) programme.

The Department of Paraclinical Sciences hosted a workshop from 4 to 7 February 2013. In addition to members of the Department, scientists affiliated with the National Veterinary Institute in Oslo, Norway, the Sokoine University of Agriculture in Morogoro, Tanzania, and the Eduardo Mondlane University in Maputo, Mozambique, also attended the workshop.

On the first day, members of the FRIMUF group delivered various presentations, ranging from cyanotoxin chemistry to the raising of the primary microcystin-LR antibodies for the microcystin enzyme-linked immunosorbent assay (ELISA). The next day included a visit to Hartbeespoort Dam, where the members collected passive disk samplers to absorb cyanobacterial toxins, which had been placed there the week before the workshop. Specific areas of the dam with blooms were targeted.

During the following two days, the toxins were extracted in the Department's ecotoxicology laboratory. Cyanobacterial toxin concentrations were determined with the ELISA method, using a microcystin antibody prepared by the Norwegian scientists.

With this workshop, participants from Africa were trained to use this diagnostic technique in the future. A research project is being planned that will utilise the validated ELISA method to monitor cyanobacterial toxin concentrations in several eutrophic water bodies close to the Faculty.

A visit to Hartbeespoort Dam – participants collect bacterial material.

Participants from Norway, Tanzania, Mozambique and South Africa who attended the FRIMUF-sponsored cyanotoxin/ELISA workshop.

Agriculture for Nutrition and Health meeting in London

Dr Rebone Moerane

A meeting to discuss the development of an Agri-Health Academy was convened on 12 June 2013 in London. This academy would assist various countries in developing a cadre of agriculture, nutrition and health researchers who have the skills and knowledge to support the design and evaluation of the growing number of nutrition- and health-sensitive agricultural interventions. The meeting was convened by Prof Jeff Waage of the Leverhulme Centre for Integrative Research on Agriculture and Health (LCIRAH) and Prof John McDermott of the Consultative Group on International Agricultural Research (CGIAR) research programme on Agriculture for Nutrition and Health (A4NH).

The participants came from various, largely academic institutions around the globe. Dr Rebone Moerane of the University of Pretoria and Prof Milla McLachlan of the University of Stellenbosch represented South Africa.

The participants agreed on the establishment of an academy called the Agriculture, Nutrition and Health Academy (ANH Academy). The academy will develop innovative research approaches, methods and metrics for projects, and build capacity for research by bringing together established researchers with expertise in agriculture, nutrition and health, as well as early career researchers, particularly from low and middle income countries. The academy should also create a global research network with regionally led activities. LCIRAH and A4NH offered to provide the initial coordinating role in order to get the academy established.The participants agreed on the competitive selection of early career professionals from Africa, South Asia and Latin America on an annual or biennial basis. The identified professionals will be exposed to a core programme of residential work with identified experts in the form of a workshop to accommodate presentations and discussions, teamwork on shared projects or publications, or guidance and training on hard and soft skills. The programme will be augmented with a post - residential activity involving mentoring, access to relevant open educational resources and participation in research networks, meetings and collaborations.

The idea of an academy creates opportunities for both experienced and young researchers from UP to learn, share their experience and build regional and global partnerships.

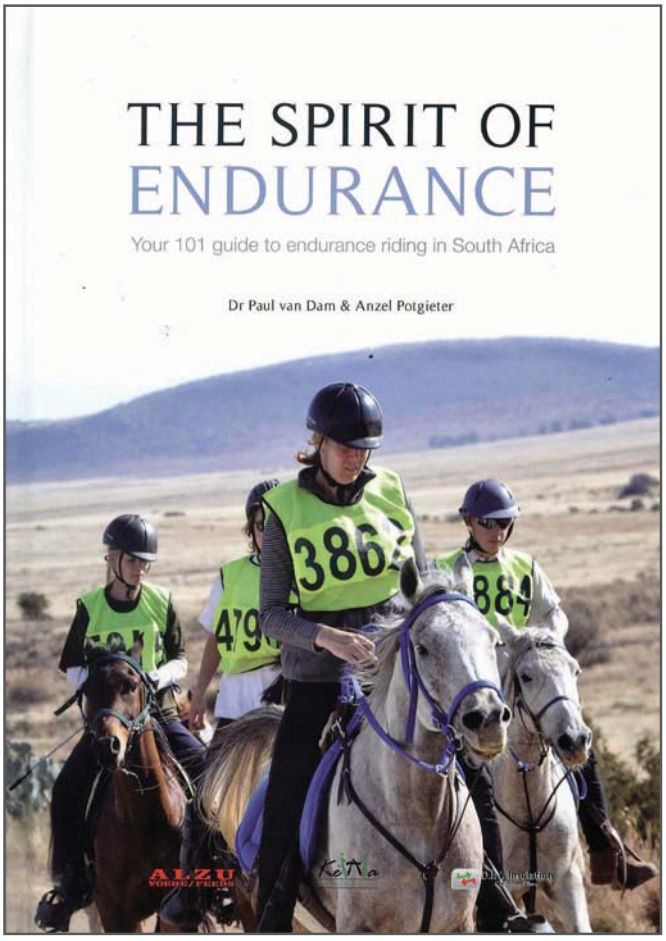
Dr Paul van Dam

writes a popular endurance riding book

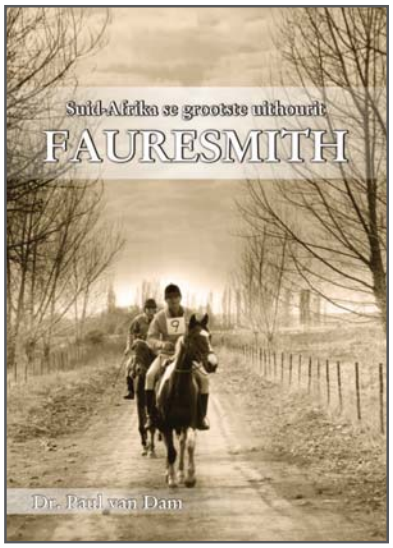
Dr Paul van Dam, the Faculty Manager at Onderstepoort, is a man of many talents. His first book about endurance riding, *The spirit of endurance: Your 101 guide to endurance riding in South Africa*, was recently published by Kejafa Knowledge Works. This coffee-table book, which is being widely distributed at commercial chain outlets, such as the CNA, was compliled in conjunction with Anzel Potgieter, who did the photography for the book. A second book, dealing with the history of endurance riding in South Africa, has also been published. According to Dr Van Dam, this book was intended to coincide with the annual National Endurance Riding Championships (commonly known as the Fauresmith 200), which took place for the 40th time from 2 to 4 July this year.

Dr Van Dam is not new to writing about topics such as these and has been writing articles about endurance riding and related aspects for the lay press for many years. Among others, he oversaw the endurance riding supplement of *SA Horseman* and the internal newsletter of the Endurance Riding Association of South Africa (ERASA).

The idea for his first book came about when Anzel accompanied her mother (a participant) to Fauresmith in 2010. She took many photographs at the event. As she was an honours student at the University of Pretoria at the time, she did the layout of a book as one of her projects. The book contained her own photographs and she used some articles from the web as text, some of which were written by Dr Van Dam. A friend of Anzel's mother (also an endurance rider) suggested publishing the book, after which they approached Dr Van Dam.



Dr Van Dam reworked and reviewed some of his articles and asked Anzel to take some additional photographs to illustrate certain aspects in the text more effectively. Anzel was also responsible for the layout and, 18 months later, the book was published.



The second book focuses on the history of endurance riding, with special emphasis on the Fauresmith 200. The book was compiled to coincide with the event's 40th birthday. It is probably the biggest endurance ride in the world.

Information and stories were gathered and photographs collected that covered the first 39 years of this event, after which they were all combined and edited to create another coffee-table book.

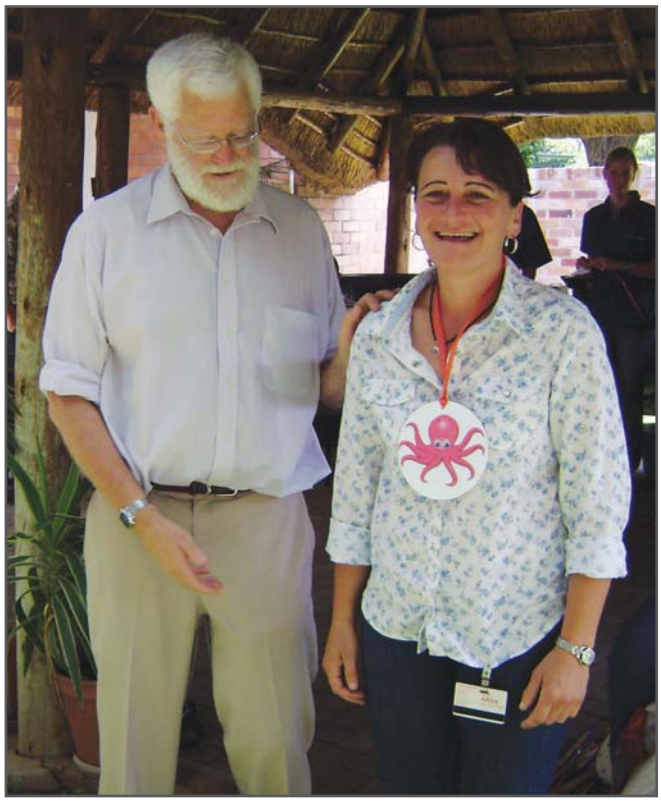
Dr Van Dam has been involved in equestrian sport (primarily endurance riding) for almost 25 years.

He has a keen interest in horses and owns a number of purebred Arabians. His involvement in endurance riding has been as administrator (at club, provincial and national level), as team manager and as veterinarian. As veterinarian, he has officiated at more than 250 endurance rides, usually as the chief veterinarian, and has also served at many national championships.

Special Awards

in the Department of Production Animal Studies

Prof Gareth Bath



Prof Gareth Bath and Ms Lana Botha after she received her award.

Special achievements and abilities are not always recognised, so the Department of Production Animal Studies decided to rectify this at its end-of-year function in December 2012.

The competition among staff was stiff and the following awards were made:

- The Mega-spoon Presentation for Stirrer of the Year went to Tony Shakespeare.
- The Mobile Mouth Belt (Up) for abuse of a cellphone went to Dietmar Holm.
- The Strontium 90 Radioactive Floating Trophy for consistent Taurocopria went to Theo van der Schans.
- Harry Potter's Wand for Miracles and Magic went to Mashilo Phosa.
- The sections of Reproduction and Medicine competed for the Passing the Buck (Bok) Citation. Martin Schulman, representing "The Theri Ous", finally walked away with the award.
- The Golden Glove for astonishing wizardry went to Geoff Brown, for contriving extra kicks that came from nowhere. Ellen Goosen received the award on his behalf.
- The Late Night Owl Award went to Ken Pettey, for staying beyond the call of duty (only because he finds it difficult to be an early bird).
- Smiley face icons for friendly helpfulness went to David Komane, Abram Komane and William Ledwaba.
- The Spermac Citation went to Carolyn Tarr for involuntary hyperaemia of the cheeks when drawing semen.
- Square Eyes Spectacles for addiction went to the computer wizard Peter Thompson.
- The Birdie Prize for Chirping went to Dawie Blignaut.
- The Expresso Energy Bean for excess "woema" went to Koba Grobler.
- The Octopus Award for multi-tasking and hyperactivity went to Lana Botha.
- For putting up with the boss, Armina Koeberg received the Biggest, Sweetest Sucker of all.
- Angels' fairy wings went to Nicolene Fourie, Dinlie Smith, Reinette van Reenen, Daleen Anderson and Ingrid de Goede for their good deeds.
- A Crashed Clock for heroic Deadline Breaking went to Debbie Coetzee.
- The Blunderbuss Cup for persistent delayed action went to Peter Smith.
- Speedy Gonzalez Scooter for Time Warping Back to the Future went to Pete Irons.
- Zimmerframe Canes for Gerry Atrix Awards went to Gerhard Harmse, Gert Rautenbach, Dirk Lourens, Tom Spencer and, in absentia, Chris Carrington, Johan Terblanche, Henk Bertschinger and Morkel Terblanche.

Exciting new additions to the Faculty

The increased intake of BVSc students in the Faculty of Veterinary Science provides some challenges to the existing facilities on the Onderstepoort campus. The Faculty has embarked on a new building project to accommodate the larger numbers and, at the same time, create facilities where students can learn and practise certain skills.

Funds for this project were secured from the Department of Higher Education and Training.

A team of consultants, under the leadership of Willie Oosthuizen, an architect from the firm VDO Consulting, was appointed, and planning started in October 2012.

Plans for some of the facilities have now been completed and tenders for the project are open, with construction to commence towards the end of June 2013.

As part of this project, a new multidisciplinary laboratory (where a variety of laboratory skills can be taught), a new skills laboratory (where students can be taught on models and haptic models), a new student study centre (where students can work in groups, have discussions and enjoy something to eat) and offices for student administration and the Client Service Centre will be established. These facilities will be situated in three modern buildings, to be built between the Sir Arnold Theiler Building and the Onderstepoort Veterinary Animal Hospital (OVAH). The buildings were designed around the current landscape, with most trees in this area being left intact.

Other facilities that will be upgraded at a later stage include the computer laboratory, the residences (another 96 beds will be added), the OVAH (to include a wet skills lab) and other animal facilities. Satellite clinical facilities, where students will be exposed primarily to production animals and wildlife, also form part of the project.

Architectural sketches for some of the planned additions at the Faculty.

Improvements in the ICU ward

Dr Vanessa McClure

Since February, a new service has been added to the Onderstepoort Veterinary Academic Hospital (OVAH). Three of the Internal Medicine specialists will be deployed to the ICU/emergency and critical care unit on a rotational basis. They will assist the primary clinicians from the other sections in monitoring and caring for the small animal patients in ICU, as well as taking responsibility for the walk-in emergencies at the Outpatients' Department. They will also oversee the Isolation Unit that houses puppies infected with the Parvovirus.

The ICU/emergency and critical care team consists of the two daytime nursing sisters, Sr Marianna Maree and Sr Katinka Jacobs, and two night duty sisters, Sr Inge Pool and Sr Elana Hibbert.

The team also consists of the following doctors: Dr Mirinda van Schoor, Dr Liza Köster, Dr Vanessa McClure and Dr Patti Foster (locum). Five recently qualified veterinarians, Dr Elge Bester, Dr Roxanne Buck, Dr Bianca Achtzehn, Dr Roland Ryf and Dr Zandri Whitehead, who are doing their internship at the OVAH, will also form part of the team that assists the nursing sisters in the ICU in the evenings.

This will allow the OVAH to offer a 24-hour ICU and emergency service, manned by qualified veterinarians and veterinary sisters, along with the veterinary students. It will enable the OVAH to provide the best and most efficient care for its patients and clients, while at the same time giving students amazing learning opportunities.

Dr Liza Köster, Dr Patti Foster, Sr Katinka Jacobs, Dr Mirinda van Schoor and Dr Vanessa McClure.

The ICU/emergency and critical care unit at the OVAH has always offered a very high standard of care for its patients, and it is hoped that this new service will raise standards even higher, offering world-class patient care in the hospital.

New Onderstepoort resource centre opens

Royal Canin has always been in full support of the teaching and learning of aspiring veterinarians. On 21 May 2013, the resource centre in the students' residential area of the Faculty of Veterinary Science was officially opened with the company's financial support.

The resource centre aims to develop a strong partnership with the veterinary students. Dr Louis Boag from Royal Canin proudly spoke of the pleasure the company has in knowing that this resource centre will be beneficial to the entire country, considering the type of exposure the students will get from this centre.

This convenient centre operate on a 24-hour basis, with highly informative textbooks and resources. It is also linked to the residential area's computer lab.

With this new development, Royal Canin is continuing to promote a very positive image in the veterinary science industry and our country as a whole.

Microchips for crocodiles from Le Croc

Dr Jan Myburgh,
Department of Paraclinical Sciences

Crocodile farming is growing rapidly in southern Africa and the Department of Paraclinical Sciences is directly involved in most of the new and exciting projects.

Crocodile farming is primarily for leather, but meat is also exported to some parts of the world. Monitoring and selection, both very important cornerstones of farming, are unfortunately not easily done in crocodile farming. The marking of individual crocodiles is a dilemma, because external identification tags are usually removed, within days, by other crocodiles in the same pen. A pilot project was started at Le Croc, one of the biggest crocodile farms in South Africa, to investigate if microchips could be the answer. Chris Melhuish from Allflex Europe (UK) Ltd donated 200 microchips for this pilot project. Deon de Jager from Allflex South Africa and Dr Doug Bruce from Zimbabwe also played significant roles in this project. Standard microchips, usually used for companion animals, were injected subcutaneously in the tail, behind the back legs, in young, growing crocodiles.

Hopefully this will help professionals to learn more about the growth and skin quality of individual crocodiles. This pilot investigation forms part of a bigger crocodile project to obtain international accreditation for all the major commercial crocodile farms in South Africa. The team members responsible for the first injection of microchips into crocodiles were photographed by the owner of the farm, Stefan van As, after the first day's work.

Team members at Le Croc after the first day of injecting microchips into young Nile crocodiles.

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professions, as set out in the Regulations of the Act. The continued recognition of the qualification(s) presented by a tertiary institution therefore depends on a favourable evaluation by the SAVC.

From as early as 1933, the act has provided for the recognition of the veterinary degrees of Massey in New Zealand, Edinburgh and Glasgow in Scotland, and Bristol, Liverpool, Cambridge and London in England. The University of Pretoria's BVSc degree was similarly accepted in New Zealand and by the Royal College of Veterinary Surgeons (RCVS) in London.

The first formal visit of the SAVC took place in 2006 with observers of the RCVS and the Australasian Veterinary Boards Council (AVBC), at which time all three bodies indicated their continued recognition of the BVSc degree. This visit also confirmed the continued recognition of the DipVetNurs qualification by the SAVC for the first time.

This year's visit (from 16 to 24 May) also included observers of the RCVS and AVBC.

The visit consisted of a DipVetNurs evaluation in the first two days and a BVSc evaluation over the last five days. The Faculty prepared self-evaluation reports for both evaluations, as well as a DVD emphasising the teaching experience of students.

The DipVetNurs evaluation consisted of a series of meetings and discussions with the Dean and various groups of academic staff and students, as well as with representatives of the nursing profession. The team consisted of Dr Danie Odendaal as team leader, Mrs Jill Nute (RCVS) and Srs Theresa Lotter and Mary-Ann Costello.

The BVSc evaluation started with a meeting with Prof Antony Melck, Executive Director: Institutional Development at UP, Dr Moerane, President of the SAVC, and Mrs Lynette Havinga, Registrar of the SAVC.

The visit consisted of a campus tour of the facilities, including the residences, and a number of meetings with various groups of academic staff over the first two days. The next two days were devoted to meetings and discussions with various groups of staff members, students, representatives of the Regulatory Veterinary Services, representatives of practising veterinarians and representatives of the Faculty Advisory Board.

The visit was concluded with separate meetings on the last day with the Vice-Chancellor and Principal, and the Dean, as well as an exit interview led by the team leader, Dr Danie Odendaal. The other members of the team consisted of Dr Boikhotso Ntshabele from DAFF, Prof Aaron Mweene, Dean of the School of Veterinary Medicine in Zambia, Prof Graham Louw of the University of Cape Town (UCT), Dr Peter Ardington, a private practitioner, Prof John Innes of the RCVS, Mrs Jill Nute of the RCVS and Prof Reuben Rose of the AVBC.

Although the reports of the two evaluations still have to be completed, the Faculty would like to extend its sincere appreciation to the teams for their participation in this very important evaluation and the friendly and professional way in which they conducted their business.

Some of the members of the visiting accreditation team in the Faculty's computer laboratory. On the left is Prof Morkel Terblanche, Deputy Dean: Teaching and Learning, who coordinated the accreditation visit.

Welcome to the new Director:

Teaching and Learning

Prof Linda van Ryneveld has recently been appointed as the new Director: Teaching and Learning at the Faculty of Veterinary Science, and takes over from Prof Morkel Terblanche, Deputy Dean: Teaching and Learning. She is also an Associate Professor (Computer-based Education) in the University's Faculty of Education.

Prof van Ryneveld obtained an MEd (Computer-assisted Education) degree cum laude from the University of Pretoria in 2000 and a PhD (Computer-integrated Education) in 2005, also from the University of Pretoria.

Among other positions, Prof Van Ryneveld was Deputy Director: Teaching and Learning with Technology at the Tshwane University of Technology from 2003 to 2008, and held the position of Director: Curriculum Development and Support at the same institution from 2008 until her appointment to the Faculty. During this time, she was also a part-time lecturer at various universities, both nationally and internationally.

She has published several articles in accredited peer-reviewed journals and has delivered various international and national peer-reviewed conference papers. She also acted as research programme leader and individual mentor for more than 45 lecturers completing research projects in the field of e-learning.

Farewell to Prof Terblanche

On 31 May 2013, a farewell function took place in honour of Prof Morkel Terblanche, Deputy Dean: Teaching and Learning, who had served the Faculty since 1999 in this capacity. During this function, at which his wife and daughter were also present, the Dean, Prof Gerry Swan, specifically commended Prof Terblanche for his invaluable role in the development of the Faculty's new curriculum and his contribution to the development of curricula in general. According to Prof Swan, Prof Terblanche is leaving a legacy behind with regard to this work, and his leadership and insight will be missed.

Similarly, Prof Terblanche's instrumental role and influential presence with regard to student affairs and student administration is well known. According to Prof Terblanche, being able to help deserving students to overcome adversity and move on to being successful in their studies and achieving their ultimate goal of qualifying as veterinarians and veterinary nurses was where he found the most satisfaction in his work.

After obtaining the BVSc degree in 1969 and the MMedVet(Phys) degree in 1980, Prof Terblanche worked as a state veterinarian for almost three years in the section of Reproduction in the former Veterinary Research Institute, before moving to academia, working as a lecturer and senior lecturer in the former Department of Genesiology of the Faculty of Veterinary Science at Onderstepoort until 1982. Between 1982 and 1992, he was Head of both the Department of Genesiology and Theriogenology, and the Department of Herd Health and Reproduction in the Faculty of Veterinary Science at Medunsa. He served for approximately six years as Dean of the latter faculty at Medunsa, after which he was appointed as Deputy Dean in the Faculty of Veterinary Science at Onderstepoort.

During his years at Medunsa, he served on a large number of Faculty and University committees, faculty boards, Senate and Council. He also participated in the activities of a number of committees outside the University environment, particularly those related to the South African Veterinary Association (SAVA), the South African Veterinary Council (SAVC), the Department of Agriculture and the Department of Education.

Prof Terblanche has actively participated in the affairs of SAVA since 1970, serving as Branch Chairman, Group Chairman and elected Federal Councillor, Vice-President (1988–1990) and President (1990–1993).

Prof Terblanche has served as an elected member of the SAVC's Education Committee and as President from 1995 to 2004. Since 1999, he has served as Chairman of the following faculty committees:

- BVSc Curriculum Committee, recently changed to the BVSc Programme Committee (1999–2013)
- Paraveterinary Curriculum Committee, recently changed to the DVN Programme Committee (1999–2013)
- Postgraduate Curriculum Committee, recently changed to the Postgraduate Programme Committee (1999–2013)
- Postgraduate Committee (2006–2011)
- (Student) Selection Committee (1999–2013)

Although he retired, Prof Terblanche will still assist the Faculty in a consultative capacity.

Prof Linda van Ryneveld (left) and Prof Morkel Terblanche at his farewell function.

Prof Gerry Swan, Dean, hands a token of appreciation to Prof Morkel Terblanche.

Norwegian course on serious contagious and vector-borne diseases

A course on high-impact contagious and vector-borne diseases, organised by the Norwegian School of Veterinary Science, was presented in Trondheim on the west coast of Norway from 13 to 15 May.

The course was part of a series of courses conceptualised by Prof Koos Coetzer and was presented for the first time in 2000. Prof Moritz van Vuuren of the Department of Veterinary Tropical Diseases was invited to be the main presenter this year, and was supported by a number of local speakers. Other presenters included Dr Armin Elbers (Central Veterinary Institute, Lelystad, the Netherlands), Dr Keren Bar-Yaakov (Chief Veterinary Officer of the Norwegian Food Safety Authority), Dr Helga Høgåsen (Epidemiologist, National Veterinary Institute, Norway) and Prof Jacques Godfroid (Norwegian School of Veterinary Science), who is also an extraordinary professor in the Department of Veterinary Tropical Diseases at Onderstepoort.

Norway is a country with very few infectious diseases that affect its livestock and companion animals. However, in recent years, the country has experienced incursions of the blue tongue virus and canine babesiosis, while migration of ticks into parts of the country where they have never before been documented has been reported. Most recently, the rabies virus has re-emerged in the far northern territories, while a Schmallenberg virus infection was identified in May 2013 as the cause of foetal teratology. The objective of the course was to update veterinarians working for the Norwegian Food Safety Authority (Mattilsynet) on high-impact transboundary diseases that may pose a risk to Nordic countries in the wake of recent incursions of serious contagious and vector-borne diseases into many regions of the world.

Norway has a population of five million people and a livestock population of 400 000 cattle and two million sheep. The country strives to protect the current favourable situation in terms of infectious diseases in livestock, hence the importance of a course of this nature for regulatory veterinarians.

During the course, Prof Van Vuuren presented several topics, including all the indigenous African transboundary diseases, and shared with the course participants the South African experience following recent outbreaks of, inter alia, foot-and-mouth disease, European swine fever, African horse sickness, porcine respiratory and reproductive syndrome, Rift Valley fever and contagious equine metritis.

Prof Moritz van Vuuren from the Department of Veterinary Tropical Diseases was the main presenter during the course.

Fifty-two veterinarians, the majority from the Norwegian Food Safety Authority, and some private practitioners attended the course on serious contagious and vector-borne diseases.

The Waterberg Copper **fluttered out of extinction**

The Waterberg Copper, a butterfly of the Lycaenidae family, has recently created a stir in the lepidopterist community when it was rediscovered after an absence of almost two decades. The one to make the rediscovery was Prof Mark Williams. A strong population of this species was last reported in 1995.

The Waterberg Copper was discovered by Dave and Esmé Edge on 21 December, 1980, on flat ground just west of a hill known as Perdekop in the Alma District of the Waterberg Mountains. At the time, it was considered to represent a disjunct population of Eriksson's Copper, but after some 30 years, it was recognised to be an unclassified, distinct species and was named *Erikssonia edgei* in honour of its discoverers.

The population of the Waterberg Copper at Perdekop remained strong for the following years and was regularly visited by collectors in the months of December to February. In 1987, Koos de Wet from the erstwhile Transvaal Nature Conservation Department requested that collectors refrain from collecting specimens. He intended to do research on the Waterberg Copper at this location, and as late as 1995, De Wet reported that the colony of butterflies was thriving.

When a few lepidopterists from the Lepidopterists' Society of Africa visited the Perdekop region in December 2004, they were shocked by what they found. It was clear that the habitat had not been grazed or burned during this time and had undergone ecological succession. Instead of short grass, a strong herbaceous element and open bare patches (the ideal successional state), the whole area was covered in a dense sward of turpentine grass, nearly two metres high.

The few surviving larval host plants (*Gnidia kraussiana*) were declining and there was no trace of the obligate host ant (*Lepisiota* sp.) or the Waterberg Copper. Over the next eight years, not a single specimen was seen.

A few months ago, Prof Mark Williams was looking at the Waterberg region on Google Earth at an 'altitude' of about 12 km when his attention was caught by an isolated plateau about 3 km long and 2 km wide, some 25 km north-west of the town of Bela-Bela.

> As he focused his eyes on the little creature perched on a grass stem with closed wings, there was little doubt in his mind that he had 'rediscovered' the Waterberg Copper.

Closer inspection showed that much of this plateau was at an altitude similar to that of the Perdekop colony. Even more interesting was the fact that the whole plateau was a nature reserve (Bateleur Nature Reserve), which implied that the habitat was probably fairly pristine.

Prof Williams and his wife, Tildie, needed a break, so they decided to book a long weekend at Bateleur. They arrived at the reserve on 1 March and settled into their cottage with the rain pouring down. Early on the next morning, it was still cloudy and cool, so they decided to walk one of the eight marked hiking trails. Prof Williams chose the Escarpment Trail, as it was mostly above 1 500 metres. They were walking through open grassland and had covered scarcely a kilometre when a small orange-winged insect flew up off the path in front of them, fluttered to the left, and dived into the grass a few metres away.

As Prof Williams focused his eyes on the little creature perched on a grass stem with closed wings, its colouring and the pattern on its underside left no doubt in his mind that he had 'rediscovered' the Waterberg Copper.

Fifty-eight years of practice had it in a fold of the net in a flash. The Waterberg Copper was alive, well and flying in the Bateleur Nature Reserve. It was not extinct after all.

At this spot, about half a dozen specimens, including one female, were found in an area about 50 metres in diameter. A stronger colony was found a kilometre further. At least 20 specimens were seen in an area more than 100 metres in diameter.

Student wins prestigious research award

Dr Morné de Wet, an MSc student in the Department of Production Animal Studies, has been awarded the 2013 Wildlife Disease Association (WDA) Graduate Student Research Recognition Award for the best research project in the field of wildlife health or disease. Instituted in 1976, this annual award is prestigious and usually goes to a North American student. This is the first time a student from Africa has been selected. The WDA Award will cover his costs when he attends the annual WDA International Conference in Knoxville, Tennessee, in the USA in July 2013. He will be the keynote speaker during the student presentation session.

Dr de Wet (at the back, left) together with the dissection team.

Dr Morné de Wet (left), performing a dissection with Dr Ursula Siebert (middle) and Dr Stephanie Plön.

The research project entailed a systematic health assessment of two coastal dolphin species, the Indian Ocean bottlenose dolphin (*Tursiops aduncus*) and the Indo-Pacific humpback dolphin (*Sousa chinensis*). As sentinels of environmental health, coastal dolphin populations are sensitive to anthropogenic influences and may provide valuable information on ecosystem health.

Dr Stephanie Plön, a biologist from the South African Institute for Aquatic Biodiversity and the Port Elizabeth Museum, first observed an increase in abdominal serosal lesions during dissections of dolphins from the KwaZulu-Natal coast. No prior information was available on the health status of these populations. She then initiated the first systematic health assessment of these dolphin populations, in collaboration with Dr Emily Lane of the National Zoological Gardens of South Africa, and Dr Peter Wohlsein and Dr Ursula Siebert of the University of Veterinary Medicine, Hannover, Germany, with Prof Peter Thompson of the section of Epidemiology in the Department of Production Animal Studies as the academic supervisor for the master's degree project.

The project was funded by National Research Foundation (NRF) SeaChange and German Research Foundation DFG-NRF collaboration programme grants. Dr De Wet developed a detailed necropsy protocol for the health assess-ment of dolphins and documented various parasitic infections and the first case of a fungal infection, lobomycosis, in dolphins from the South African coast. This research provides valuable baseline information on the current prevalence of conditions in the population, including associations with age, sex and location, which can be used to monitor future health status trends. In turn, this may provide information on ecosystem health and ways in which changes in coastal waters may affect the health and welfare of humans sharing that environment.

Dr De Wet has submitted his MSc dissertation, is preparing two manuscripts for publication, and will be graduating in September. We congratulate him on his achievement and hope that the conference will be a wonderful experience and a chance to showcase the excellent research done by South African students.

Vet Books for Africa

– Enriching the mind of man to save animals

Michael Ferreira

Vet Books for Africa is a student-driven initiative that was founded in 1993. The initiative's primary goal is uplifting veterinary science on the African continent. Every second year, a committee of eight students from Onderstepoort undertakes a six-week journey to Tanzania, Malawi, Mozambique, Zambia, Zimbabwe and Kenya to distribute books.

Staring into the distance in Ngorongoro,Tanzania.

The mission was to raise funds and collect various veterinary textbooks and academic media for two years and go on a life-changing African expedition to deliver the necessary supplies to veterinary schools, animal charities and wildlife centres. This is a fantastic opportunity to learn about the status of veterinary science in Africa and also meet veterinary professionals in other countries. The students believe in making a difference on their continent.

During the 2012 mission, the committee drove immense stretches of roads and visited veterinary faculties in Mozambique, Tanzania, Kenya, Zambia and Zimbabwe. They also got to see a feedlot in Mozambique and Society for the Protection of Animals (SPCA) facilities in various countries. Two highlights of the trip were visits to the David Sheldrick Wildlife Tust in Nairobi, Kenya, and the Tikki Hywood animal trust in Harare, Zimbabwe. Everywhere they went, they encountered amazing new experiences and breathtaking glimpses of the splendour of Africa. The initiative was made possible, in particular, by Isuzu (with a sponsorship of two powerful bakkies) and the Dean, Prof Gerry Swan, and everyone at Onderstepoort who supported the expedition. The students feel that they have achieved their objectives and they definitely see the project going to new heights in the future with the incredible new committee that was selected earlier this year. The new committee will be making the expedition in 2014. There is immense potential for networking between different African veterinary faculties, and connecting with colleagues in neighbouring countries (Zimbabwe and Mozambique) would be an excellent move.

Please like their page on Facebook:

facebook.com/vetbooksforafrica and visit their website www.vetbooksforafrica.org for more information.

Any queries about the project and sponsorships can be obtained from the 2014 Chairperson, Mariaan van der Merwe (mariaanvdm90@gmail.com).

PGSA hosts gala dinner

The Postgraduate Student Association (PGSA) of the Faculty of Veterinary Science held its inaugural gala dinner on 5 April 2013. The evening was sponsored by the Office of the Deputy Dean: Research, Postgraduate Studies and Internationalisation, and took place in the Arnold Theiler cafeteria. A former PGSA chairperson, Ms Elizabeth Debeila, commenced the evening by introducing the newly elected executive officers of the association. The chairperson, Dr Okechukwu Ndumnego, encouraged the guests to socialise within the Faculty's postgraduate community.

From left: Prof Koos Coetzer (Deputy Dean: Research, Postgraduate Studies and Internationalisation), Dr Kwezi Mzilikazi (UP Graduate Research Support Coordinator) and Dr Okechukwu Ndumnego (Chairperson, PGSA).

The keynote address was given by Prof Koos Coetzer, Deputy Dean: Research, Postgraduate Studies and Internationalisation. Prof Coetzer emphasised the role of research, postgraduate studies and internationalisation in building the career of vernal postgraduate students and researchers. He emphasised the importance of skills acquisition, academic scholarship and mentoring in the development of a young graduate student. Dr Kwezi Mzilikazi, Graduate Research Support Coordinator, was also present at the function. Dr Mzilikazi gave a brief talk on the objectives and functions of the newly formed Graduate Support Hub and how it can assist in broadening academic learning and research for postgraduate students at the University.

It was an enriching event for the guests and the atmosphere was cordial and relaxed. The PGSA expresses its sincere appreciation to the Office of the Deputy Dean for sponsoring the event and to all the supervisors, staff and students for making the evening a memorable one.

Just in case • emergency numbers

• Security Services (main campus)	6911	012 420 2310
• Flying Squad	6022	10111
• Police Pretoria North	6022	10111
• Ambulance: - Rosslyn	6003	012 541 3421/6
- Pretoria	6002	012 326 0111
• Fire Brigade (Wonderboom)	6024	012 543 0335
• Tygerberg Poison Centre	6179	021 931 6129
• Emergency Medical Help: OP		
- Sr Amanda Hamman (OVAH)	8064	083 269 8874
- Prof Frik Stegman (OVAH)	8279	8148 (operating theatre)
- Mr Chris Neetling (Feed Store)	8004	8004 (roving phone)
- Prof Ken Pettey (Ethology/Physiology)	8449	082 882 7356
- Psychologist at OP (Wednesday), Voula Samouris	8243	083 754 5427
- Psychologist - Main Campus, Rina Buys	6127/6151	082 908 3688
• 24-hour University crisis line		0800 00 64 28
• Head of OP Residence:		
- Dr Jan Myburgh	8350	082 392 2534
- Ms Susan Myburgh		083 235 6778

In case of an emergency, just dial the four-digit number given above.