

eish!



NORTH-WEST UNIVERSITY
YUNIBESITI YA BOKONE-BOPHIRIMA
NOORDWES-UNIVERSITEIT

Staff newsletter for the NWU

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For him, **the sky** is the **limit**

Switch off those lights

Research and teaching-learning converge

Welcome, first years

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Front page – Prof Kobus Pienaar, the dean of the Faculty of Natural Sciences on the Potchefstroom Campus, is an accomplished golfer and researcher. Read more about him, his family and his faculty on p10 and 11.

Industry wants more than subject knowledge

Graduates need to be more than just subject matter experts – they also need 'soft' skills.

These are some of the facts that came to light during a meeting between the NWU and industry representatives in Sandton on 17 November 2011.

During the meeting, representatives from financial services discussed their expectations of our graduates with NWU management members and the deans (or their representatives) of the faculties of Economic Sciences.

'Soft' skills expected of graduates include presentation, networking and communication skills, creativity, emotional intelligence and innovative thinking.

"Events such as this one give the NWU an opportunity to determine to what extent our syllabi meet the requirements of industry," says Prof Marlene Verhoef, Institutional Executive Advisor: Strategy, who organised the meeting on behalf of the vice-chancellor, Dr Theuns Eloff.

Prof Theuns Pelsier represented the Faculty of Commerce and Administration on the Mafikeng Campus and Prof Mariëtte Lowes, Vice-Rector: Teaching-Learning, and Prof Elsabe Loots, the dean of the Faculty of Economic and Management Sciences, represented the Potchefstroom Campus. Prof Linda du Plessis, Vice-Rector: Academic, Quality and Planning, and Prof Herman van der Merwe, the dean of the Faculty of Economic Sciences and Information Technology, represented the Vaal Triangle Campus.

The NWU will be organising three similar events for this year. The names of the relevant faculties will be announced later.

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MESSAGE FROM THE VICE-CHANCELLOR

Dear colleagues

2012 is moving full steam ahead, and it is already clear on both the home front and in the national arena that this year will be an important – and exciting – time in the history of the NWU and the higher education sector in South Africa.

As with most South African universities, the NWU also has a record number of first-time first-year entrants for 2012. We realise that the pressure for increased opportunities for access to tertiary education in South Africa brings a lot of challenges with it, and in turn necessitates the quest for innovative and sustainable solutions for an effective and context-sensitive higher education system. I'm also increasingly aware of the importance of maintaining the fine balance between applicable teaching-learning, relevant research and contemporary commercialisation of expertise for all of us at the NWU. This will position us to make an optimal contribution to the developing local and regional economies hosting our three campuses.

You'll notice that the 2012-2014 Institutional Plan, which is taking effect at all levels through the performance agreement system, is genuin-

ely aimed at the step-by-step realisation of the NWU's vision. As you know, our vision is to become a balanced teaching-learning and research institution which – true to its values and through sound management and sustainable transformation – is involved locally, well positioned nationally and recognised internationally.

There's a lot of work to be done and we need to make the most of the many opportunities for innovation that are available to us. I have high expectations that the big HEQF project and also the other exciting projects currently underway in the teaching-learning environment will have a positive effect on academic staff, students and final-year students alike. I believe that the increased research output curve that we have been seeing on all the campuses since 2008 is truly sustainable and that it will grow in depth and breadth. I'm also confident that – while the NWU's continued community involvement on all local and regional levels where our campuses are

situated is steadily gaining momentum – our internationalisation profile will really take shape this year.

Enjoy the first edition of Eish! and see in each article how we are tirelessly working to realise our vision.

Good luck for 2012. May we all receive the necessary grace in our professional and personal lives to work with dedication and a healthy work-life balance so that we will be truly fulfilled and satisfied.

Blessings to you all!

Heuns Cloff



By now, the December vacation is little more than a vague memory and the NWU is in full swing.

Problems with admission and registration processes elsewhere in the higher education sector made headlines earlier this year. Fortunately, here at the NWU, the processes went smoothly

Eish! we're back!

and more than 7 000 first years were welcomed by the NWU. Read more about this on p5.

In 2012, many undergraduate and postgraduate students registered via the web, which made the registration process considerably easier. The development of the web registration system has been underway for quite a number of years, according to Mr Jaco-Philip Ellis, Manager: Student Administrative Systems.

Faculties across the NWU were given an opportunity to indicate which programmes and which levels of each programme and curriculum should be available for web registration, and also when these should be available. As a result, approximately 60% of all curriculum levels were ready for web registration this year.

As always, Eish! reports on NWU achievements – on p6 you can read about staff who received

awards for research, innovation, creative output and community service, and on p14 you can read more about Prof Awie van Wyk and the NWU PUK choir winning an international choir competition in Prague.

More and more emphasis is being placed on sustainable and responsible use of electricity and all the other scarce resources, which is why Eish! had another talk with Physical Infrastructure and Planning – read more about this on p9.

Eish! appeals to each staff member and student to act decisively and do their part to save electricity. Switch off heaters and air conditioners when emergency power is used, make sure that all lights are switched off when you leave your office, and encourage your colleagues to do the same.

Happy reading,
Nelia & Marelize

Research and teaching-learning converge at conference

Research on teaching and learning came under the spotlight at the NWU's first conference on the scholarship of teaching-learning held on 26 and 27 October 2011 at the Sports Village on the Potchefstroom Campus.

The conference, with the topic "Building a community of practice in teaching and learning", attracted 64 academics and academic support staff from the NWU's three campuses and Institutional Office.

Some of the important matters discussed at the conference were how to promote access to

and success in higher education for a wide and diverse learning community, and using modern technology to accomplish this.

The keynote speakers were teaching-learning experts from various universities in South Africa. They were Prof Cheryl Foxcroft and Prof Ian Scott (University of Cape Town), Prof Yusef Wahgid (University of Stellenbosch), Ms Nicolene Murdoch (Monash South Africa) and Prof Walter Claassen and Prof Louis Fourie (University of the Western Cape).

Some of the NWU academics who have

received the Institutional Teaching Excellence Award (ITEA) in the past five years shared their practical teaching-learning experience and their experience of the ITEA evaluation process with delegates. (See text box for more detail.)

The NWU will host a similar conference in 2012, says Dr Muki Moeng, Director: Teaching-Learning at the Institutional Office. Her department, Academic Development and Support, organised the 2011 conference in cooperation with colleagues from the campuses.

ITEA winners share at conference

Here is some of the information that former ITEA winners shared at the conference:

"The strengths-based approach to academic support does not ignore weaknesses, but identifies strengths and addresses the weaknesses by building on the existing strengths. We decided to adopt a strengths-based model, and a needs analysis was developed in order to pinpoint specific areas of weaknesses and strengths students experience in their endeavours." - **Ms Annelize Cronje, Prof Simeon Materechera and Dr Mamolahluwa Mokoena, Mafikeng Campus.** (Title: "Using a needs-analysis survey to creatively support underprepared students".)

"Often, if people do not know how to change

something, they stick to an old favourite that has lost its taste. This is very sad, since it only leads to stagnation and mediocrity... I urge you to take off the gloves and develop your own recipe for becoming a 'good' lecturer – since innovation is a verb." – **Prof Jaco Fouché, Potchefstroom Campus.** (Title: "Innovation is a verb".)

"When learners learn from each other, they enter into a community of inquiry... Through the innovative use of new technology, students have shown positive development regarding critical thinking skills and the ability to work as part of a learning community." – **Dr Esmarie Strydom and Dr Marieta Jansen van Vuuren, Vaal Triangle Campus.** (Title: "Using technology to build a community of inquiry".)

How we benefit

Eish! asked Prof Martin Oosthuizen, Deputy Vice-Chancellor: Teaching-Learning, and Dr Muki Moeng, Director: Teaching-Learning, what value the conference added to the NWU. This is what they had to say:

Prof Martin: "At a conference like this, which we plan to hold annually, NWU staff can share their success stories, talk about the challenges they face, and identify colleagues with whom they can cooperate in developing their teaching and learning competency.

In this manner we can build vibrant communities of practice that work together in promoting professionalism in teaching and learning."

Dr Muki: "Academics were given a platform to showcase what they did in class, and were exposed to ways in which they can investigate their own teaching and the learning of their students."

She says last year's conference focused mainly on NWU academics sharing in-house experiences. The next conference will take a broader view. "This year we will invite academics and support staff from teaching and learning centres from the different higher education institutions across South Africa."

Mr Corneels Schaborn from the Potchefstroom Campus and Mr Livingstone Makondo from the Mafikeng Campus at the 2011 teaching and learning conference.



NWU welcomes first years



Some of the students who were welcomed onto the Vaal Triangle Campus take 2012 in their stride.

This year, the North-West University's three campuses once again welcomed a large number of first-year students.

On Sunday, 22 January, the Mafikeng Campus welcomed more than 5 000 parents and first years in the Great Hall. These students and parents were addressed by Dr Theuns Eloff, Vice-Chancellor, Dr Sam Thekiso, Dean of Students, and members of the Institutional Students' Representative Council. Matters such as registration, accommodation and bursaries were dealt with during the information session, after which first years were shown to their residences. The official orientation took place from 30 January to 3 February.

The Potchefstroom Campus was abuzz with activity on Saturday, 14 January, when approximately 10 000 people gathered on the campus, either to accompany or welcome the expected 4 500 new first years. The campus's amphitheatre was packed to capacity from the

early morning and guests who were unable to find seats could follow the proceedings on big screens placed in the auditorium and elsewhere. Prof Herman van Schalkwyk's remark that female students comprised about 67% of the student numbers on campus was greeted with shouts of approval by the male students.

More than 1 600 first years were welcomed on the Vaal Triangle Campus on Wednesday, 25 January. Prof Linda du Plessis, the Vice-

Rector: Academic and Planning, likened the arrival of the new students to a fresh breeze. She encouraged the students to make the campus their second home and to become part of a big extended family. She also encouraged students to seize every opportunity of whatever kind comes along.

Below: On the Mafikeng Campus, the first years and their parents occupied every conceivable free space.



Left: Mr Maphetle Maphetle, the executive mayor of the Tlokwe Municipality in Potchefstroom, accompanied his daughter, Lesego to the reception of the first-year students on the Potchefstroom Campus. Here he is with his wife, Busiswe, and the campus rector, Prof Herman van Schalkwyk.

NWU rewards outstanding researchers

Commitment was rewarded when NWU staff members received awards for research, innovation, community involvement and creativity at a gala event in Potchefstroom on 28 October 2011.

The highlight of the evening was when Prof Eno Ebenso from the School of Physics in the Faculty of Agriculture, Science and Technology on the Mafikeng Campus was named Most Internationally Cited Researcher.

Between 2005 and 2010, Prof Eno contributed to 20 articles in subject journals cited in the *ISI Web of Science*, and he was cited 80 times during the same period. This amounts to four citations per article, or six times the average number of citations for researchers in his field of study. According to the international *Scopus Index*, he is the world's fourth most productive researcher in his field.

TOP RESEARCHERS

Prof Melville Saayman, the director of the research focus area Tourism Research in Economic Environs and Society (TREES), was named the NWU's Most Productive Researcher of the Year.

Prof Melville's high research output in 2010 led to this award. He contributed to 22 international conferences, co-authored 14 journal articles, and acted as promoter for three PhD and four master's degree students.

Dr Jaco Gericke from the School of Basic Sciences in the Faculty of Humanities on the Vaal Triangle Campus received the award for Most Productive Junior Researcher of the Year.

In 2010, Dr Jaco contributed to eight journal articles and one chapter in a book. He also presented six papers at national and international conferences.

Prof Eno Ebenso from the Mafikeng Campus (left) receives the award for the Most Internationally Cited Researcher from Dr Theuns Eloff, the vice-chancellor of the NWU.

TOP UNIT

The Unit for Drug Research and Development in the Faculty of Health Sciences on the Potchefstroom Campus was named Most Productive Research Entity at the NWU for 2010.

The unit – with Prof Jeanetta du Plessis as director – delivered the following research results during 2010:

- Journal articles: 23,51 units
- PhD students: nine
- Master's degree students: 33
- Conference contributions: 40

The unit also submitted several patents for registration and received 15 grants from a variety of sources. What makes the unit's achievements during 2010 even more extraordinary is



The NWU's Most Productive Researcher for 2010 is Prof Melville Saayman from the research niche area Tourist Research in Economic Environs and Society in the Faculty of Economic and Management Sciences on the Potchefstroom Campus.



that it is a relatively small entity with approximately 20 active co-workers.

Prof Pieter Buys from the School of Accounting Sciences in the Faculty of Economic and Management Sciences on the Potchefstroom Campus received the Pro Reformando Trust's HG Stoker Prize for publications that promote the trust.

The prize was awarded to Prof Pieter for his thought-provoking research article "Legitimacy lost: Accounting's predicament", which clearly demonstrates Christian perspectives and points of view.

INTERNATIONAL LEADERS

The following staff members – all from the Potchefstroom Campus – received awards for their leadership in international organisations:

- Prof Henk Bouwman, Zoology, Faculty of Natural Sciences
- Prof Klaus Kellner, Botany, Faculty of Natural Sciences
- Prof Kobus Pienaar, the dean of the Faculty of Natural Sciences
- Prof Hester Klopper, former director of the School of Nursing, Faculty of Health Sciences

INNOVATORS EXCEL

The award for the Top Technology Innovator for 2010 was presented to Prof Corrie du Toit and Ms Marié du Toit for the successful commercialisation of the MYLAB laboratory sets for grade 4 to 12 teachers.



Prof Franci Greyling from the School of Languages in the Faculty of Arts on the Potchefstroom Campus receives her award for creative output from Prof Dan Kgwadi, the rector of the Mafikeng Campus.

Mr Danie Stoop, Head of Electronic Services, and Mr Dolf Engels, Director of Protection Services – both on the Potchefstroom Campus – received the award for the most innovative contribution towards improving an existing NWU management system, process or performance.

The invention of a licence scanner that has been installed at the access gates of the university earned them this award.

CREATIVITY MAKES THEM WINNERS

A number of staff members were also rewarded for their creative output in 2010.

They are Prof Piet Koornhof and Dr Hannes Taljaard from the School of Music, Mr Richardt Strydom and Mr Wessie van der Westhuizen from Graphic Design in the School of Communication Studies and Prof Franci Greyling from the School of Languages. All are employed in the Faculty of Arts on the Potchefstroom Campus.

The Unit for Drug Research and Development in the Faculty of Health Sciences on the Potchefstroom Campus was named Most Productive Research Entity at the NWU for 2010. Prof Jeanetta du Plessis is the director of this unit.

SERVICE TO THE COMMUNITY

The Vice-Chancellor's Award for Excellence in Community Engagement was made to the following persons or entities:

- The School of Continuing Teacher Education for supplemental training and mentorship to educators, with Prof Willie van Vollenhoven as coordinator.
- Prof Japie Mienie, for the diagnosis and treatment of inborn errors of metabolism.
- Ms Marilize Minné for the Cancer in the Workplace Project.
- The Potchefstroom Campus's Legal Clinic for legal assistance and capacity building (Mr Schalk Meyer).

MEDAL WINNERS

The ABSA bronze medal for the best master's student in the Humanities was awarded to Ms Lize Terblanche from the Vaal Triangle Campus. The recipient of the S2A3 medal for the best master's student in Natural Sciences or Engineering was Ms Sune von Solms from the Potchefstroom Campus.

CERTIFICATE OF HONOUR

Mr Frans Kruger, the head of Institutional Legal Services, was presented with a certificate of honour for his contribution to the development of a patent register for the NWU. The university also gave recognition to those researchers rated by the National Research Foundation.

Kuali builds IT expertise and capacity

The expertise and productivity of Institutional IT teams participating in the development of the Kuali Student System has inspired the Kuali Foundation to fund an additional NWU team.

This means that a third of the teams working on this international project are from the NWU.

The university has been involved with Kuali Student for the past year. It is an international collaboration project for a student administration system developed by universities for universities.

The NWU is collaborating with parallel teams from several American and Canadian universities to develop the system, and has been working particularly closely with the University of Maryland for the past six months.

NWU TEAM PERFORMS

"I am very proud of our people's performance and the quality of their work," says Mr Attie Juyn, Chief Director: Information Technology. "The feedback from Maryland was very positive and now that the Kuali Foundation is funding the additional NWU team, two of the six teams working on Kuali Student are from the NWU."

Last year, the first NWU team helped with the development of a module for curriculum management. This module is currently being configured and implemented for the NWU's Institutional Committee for Academic Standards (ICAS) process, which has been mainly paper based until now.

CROSS-COUNTRY COLLABORATION

The NWU team also includes staff from OpenCollab, a Cape Town-based program development company that has helped with the development and maintenance of the NWU's student systems. The NWU recently bought the majority share of this company.

In January the NWU team started working on an enrolment module that incorporates several processes, from applications to the obtaining of qualifications. The development process should take approximately two years.

"The Kuali suite or package includes several open source systems, and the Kuali community

is growing fast. There were for instance more than 900 people from approximately 50 universities at a Kuali conference that we attended in November in Indianapolis," says Attie.

NEW FINANCIAL SYSTEM?

One of the other systems in the Kuali package is Kuali Financial System. NWU delegates visited Cornell and Michigan State universities at the end of 2011 to determine whether the system should be implemented at the NWU. The financial system had already been developed when the NWU joined Kuali.

Ms Elmarie de Beer, Chief Director: Finance, believes that it is a viable solution which will fit well into the NWU's broader Kuali strategy. The final recommendation to the Institutional Management is subject to a feasibility study that is currently underway and addresses identified gaps in more detail.

"Commercial products' licence fees and maintenance costs continue to rise. Apart from the fact that participation in Kuali saves licensing fees, the programs have been customised for universities whereas other systems were not developed specifically for universities," says Attie.

NWU TAKES THE LEAD

Although the NWU is still the only South African university participating in the development of Kuali Student, a number of other universities, including Stellenbosch and the University of Johannesburg, have also expressed interest.

"We are fortunate that our management is focused on innovation and that we can count on their support while we set up the platform for further development in South Africa," Attie says. "When the Kuali community starts to expand in South Africa, the NWU will be able to provide the necessary support and guidance to other South African universities."

He says the NWU's involvement with Kuali helps to develop and retain local expertise. "By giving South Africans the necessary exposure and developmental opportunities, the NWU not only helps to build internal capacity, but also to retain expertise in the country. We are already seeing the benefits of the first Kuali-based system that is in production."



Campus beauty shines in Korea

At the end of September last year, Ms Marlie Jonker, the Potchefstroom Campus's Miss Campus 2011, was elected Miss SA Campus – the most beautiful female student in the country.

From 28 November to 18 December she represented South Africa at the World Miss University 2011 in Seoul, South Korea.

Last year, Marlie was also appointed editor of the Potchefstroom Campus student newspaper, *Wapad*, for the 2011/2012 term.

She studied BA Communication and this year is registered for a postgraduate diploma in Management.

Power blues to linger longer

In a previous edition of Eish! we reported on Eskom's tariff increase and its potential impact on the university. Eish! had a follow-up talk with the team at Physical Infrastructure and Planning in the Institutional Office about their efforts to save electricity. We spoke to Ms Liesel van Wyk, section head, Mr Christo de Beer, technician, Meet en Weet (Measure and Know), and Mr Hendrik Esterhuizen, engineer.

During 2011, the NWU spent R51,3 million on electricity. The Institutional Office and the Potchefstroom Campus consumed R37,9 million worth of electricity, the Mafikeng Campus used R5,7 million and the Vaal Triangle Campus R7,5 million.

The university also made use of emergency power and approximately R805 190 was spent on diesel for the generators on the campuses. Generators at the Institutional Office and on the Potchefstroom Campus used approximately R530 000 worth of diesel in 2011, those on the Mafikeng Campus R221 000 and on the Vaal Triangle Campus R53 500.

It is clear that an enormous part of the university's budget is therefore spent on electricity, and considering the current warnings about looming electricity shortages, the end is nowhere in sight. "The growth of our campuses also impacts on the emergency power capacity, as well as on the power made available by Eskom and the relevant municipalities," says Christo.

SAVE, SAVE, SAVE

The NWU's subsidy from the Department of Higher Education is approximately 40% of the total budget, which means that the university needs to generate the rest of the funds itself. So the onus is on staff members to save wher-

ever possible – not merely by cutting costs but also by consuming less electricity.

According to Hendrik, electricity saving, sustainability and the load management strategy is a way of life. "There is no short-term plan to quickly save electricity, only to return to our old way of life. We have to realise that we need to implement a lifestyle change and live greener," he says.

Apart from having to pay for the electricity consumed throughout the day, the consumer is charged more during certain hours of the day and certain times of the year.*

Therefore the load control strategy of Physical Infrastructure and Planning focuses on decreasing the peak electricity consumption in order to lower the associated costs. This strategy enabled the department to save approximately R4 million during 2011.

All three NWU campuses make use of direct load control/maximum demand control. Maximum demand control saves energy on a daily basis through controlling hot water systems, geysers, heaters and air conditioning units, and by switching them off when they are not in use. All load control systems are implemented when the emergency power system is used – to create as much capacity as possible with as little diesel as possible.

THAT'S NOT ALL

The staff of Physical Infrastructure and Planning have also undertaken several other energy-saving projects, including solar heating hot water systems, LED lights on the desks in lecture rooms and the installation of energy-saving light bulbs.

They have designed a special lighting system for passages that utilises LED technology to provide emergency lighting in the event of power failures. This system automatically dims the lights when no movement is sensed in the passage, and could even be connected to a solar panel in the future.

Currently, NWU staff are being kept informed about the electricity status by emails sent out via Groupwise. With a new system that is being developed, SMS's and email alerts will be sent out automatically to all staff members when there are changes in the electricity status. Several monitors will also be installed on the campuses so that staff and students can see for themselves what the electricity consumption/demand is at a particular point in time.

**Energy consumption is measured during the peak load period, standard period and off-peak period, and is classified according to demand seasons. Low demand season is from September to May and high demand season is from June to August.*



For Prof Kobus, the sky is the limit

In our ongoing series on NWU deans, we introduce Prof Kobus Pienaar, the dean of the Faculty of Natural Sciences on the Potchefstroom Campus. He speaks about his faculty, air pollution in South Africa and his love of golf.

As an atmospheric chemist, Prof Kobus Pienaar is taking the NWU's name to new heights, both at home and abroad. His reputation goes far beyond South Africa, and he is considered one of the world's foremost experts on atmospheric chemistry.

Prof Kobus matriculated at the Hoër Tegniese Skool in Potchefstroom and finished his undergraduate BSc studies, his higher education diploma and his postgraduate BSc studies at the former Potchefstroom University for Christian Higher Education (PU for CHE).

Ready for action ... Prof Kobus Pienaar and his daughter, Elmarie, on the Harley Davidson he bought in 2010.

Although he never became a school teacher as originally planned, he lectured at the PU for CHE for many years before becoming the director of the School of Chemistry and Biochemistry in 1999 and the dean of the faculty in 2006.

AWARDS RECEIVED

Prof Kobus, a researcher with a C2 rating from the National Research Foundation, received the National Association for Clean Air Innovators Award in 2004 for his extraordinary contribution to promoting the knowledge of atmospheric chemistry in South Africa and abroad.

In 2008, he published the best article in the *SA Journal of Chemistry* in physical chemistry. This brought him the South African Institute for Chemistry's SA Merck Medal.

At present, he is coordinator of several international programmes in atmospheric chemistry, including the International Global Atmospheric Chemistry (IGAC) programme on Deposition of Biogeochemically Important Trace Species Programme.

He also serves on policy-making bodies such as the World Meteorological Organisation's Science Advisory Group, IGAC's Science Steering Committee and the International Commission on Atmospheric Chemistry and Global Pollution, as well as on several advisory panels.

ON HIS OWN DOORSTEP

As dean he is very proud of the Faculty of Natural Sciences. "The Faculty has been able to keep its teaching-learning standard and throughput rate consistently high for a number of years now.

"Furthermore, the staff's average output of 1,42 units per researcher bears witness to a dedicated staff corps, particularly if one considers that research outputs in Natural Sciences usually involve experimental work and that it sometimes takes more than a year to collect enough data for an article."





Prof Kobus Pienaar and his wife, Mart, during a visit to the Max Planck Institute for Atmospheric Chemistry in Mainz, Germany, in June 2010.

He is very impressed with the staff's commitment to new knowledge development and by their ability and willingness to seek funds for research. "Apart from thinking of new ideas and opportunities, they also generate more than 25% of the total budget (R50 million) from third income stream sources."

FACING THE CHALLENGES

As dean, Prof Kobus's interaction with people delights and energises him. Still, being dean is not without its challenges.

"At a university, everybody thinks that his or her ideas or requests should get priority. The dean needs to maintain a balance and find

fair solutions. My 31 years of involvement as support staff member, lecturer and manager at different levels at the university help with perspective and insight."

The success and progress of staff and students alike is a great source of joy in his life. "My personal wish is for each staff member to experience true job satisfaction and that this faculty will serve the country and its people to the best of our ability."

There's no doubt that Prof Kobus will continue to contribute to the body of knowledge about our planet's atmosphere. The sky is clearly not the limit for a scientist of his calibre.

How clean is our air?

According to Prof Kobus, South Africa's legislation to control air pollution is among the best in the world – and the NWU had a hand in drafting it. However, compliance with the legislation leaves a lot to be desired. "The capacity simply does not exist to enforce legislation, and in most cases it is not understood properly."

The good news is that South Africa's air in general is relatively clean, he says, especially here in Potchefstroom. "However, if one looks at upper respiratory tract infections and lung diseases, it is clear that there are problems in many areas.

You inhale about 13 kg of air every day, whereas you eat only 1 kg of food and you drink 1,5

kg of water – air and air quality greatly affect your wellbeing."

He says it's the people rather than the planet that are in trouble. "The planet has survived much worse than mankind's pollution, but trouble is in store for humans."

"We have very limited information about what's happened on this planet during the last 10 000 years, and bear in mind that the planet is approximately 4,5 billion years old.

"If one looks at the history of the past 10 000 years, all indications are that an era of huge changes is coming. However, nobody can predict just how soon these things will happen."

His handicap gives him the edge

Prof Kobus's love of golf started when he played a round with the former manager of Sasol to discuss a research contract – before he knew anything about the game.

"The golf itself was a failure, but I got the Sasol contract and I immediately started to work on my 'handicap'!"

In 2002 – on the recommendation of his heart specialist – he started to play more seriously and today he has a handicap of 12.

He believes that you can learn a lot about yourself and others on a golf course. "You get to see how people deal with successes and failures, if they tend to take big chances or not at all, how they handle obstacles and – maybe the most important of all – how honest they are. Or maybe they just have trouble counting?"

Other interesting facts

My favourite dish: Pap and wors (the pap should be almost crumbly, with butter and sugar).

My favourite film: *Australia*

My favourite pet: I am a dog person. Our only remaining "child" in the house is a white Husky-wolf cross.

What makes me happy and makes me laugh: My wife makes me happy and I don't need much encouragement to laugh.

My favourite vacation spot: San Lameer – it has a nice beach, a beautiful golf course and there's a place nearby where you can go horse riding on the beach.

Future travel destination: I've been to many countries, but not yet to Italy. Rome and the Vatican could be interesting.

What few people know about me: I enjoy taking my Harley Davidson out for a spin every once in a while. I also enjoy horse riding and I would like to be very fit – but that's easier said than done!

My family: My wife, Mart, is a pharmacist and co-owner of a pharmacy in Potchefstroom. Our daughter, Elmarie (29) works in London at Sun Guard as a quantitative researcher, having completed her master's degree in Business Mathematics and Informatics about six years ago at the NWU. Her husband, David van der Merwe, is an actuarial system architect in London. He is a computer scientist and used to be a lecturer at the NWU. Our son, Jacques (28), is doing a doctorate in computer engineering at Purdue University in the USA. Engineering at Purdue is ranked 14th on the *Academic Ranking of World Universities*.



Occupational health and safety

Mr Gerrit van Wyk has been the NWU's Institutional Coordinator: Occupational Health and Safety since October 2011. We talked to him about a healthy and safe work environment and its importance for each and every NWU staff member.



Q: Why is occupational health and safety important for the NWU?

A: The university, like any institution, has to comply with the provisions of the Occupational Health and Safety Act (Act 85 of 1993).

In fact, I would like us to do more than comply with the legal provisions; my vision is to create a culture of occupational health and safety at the NWU – to such an extent that we will become the leading university in South Africa in this regard.

Q: Are there trained people at the NWU looking after occupational health and safety?

A: Yes, I am the overall manager and I am also specifically responsible for the Institutional Office. Mr Graeme Myburgh and Ms Anita Kruger are responsible for the Potchefstroom Campus and Mr Chris Kruger for the Vaal Triangle and Mafikeng Campuses. Mr Lucas Manyeneng (coordinator, currently in training) is also responsible for the Mafikeng Campus.

These coordinators continuously monitor occupational health and safety at the NWU and ensure its implementation by the 134 trained representatives for occupational health and safety across the university.

Q: Who are these representatives and how are they appointed?

A: They are NWU employees in different positions who volunteer their services as occupa-

tional health and safety representatives. They are chosen by co-workers at the NWU by way of a nomination and election procedure as stipulated by the Occupational Health and Safety Act.

Q: To which hazards are NWU employees exposed?

A: People who work in laboratories are exposed to chemicals, flammable liquids and gases, and people in workshops often use moving machinery. Light and heavy vehicles, construction work and sports activities also pose a threat.

The Vaal River at the NWU's Nooitgedacht conference venue and at the Vaal Triangle Campus, and the Mooi River in Potchefstroom, are also potentially dangerous.

Q: What can NWU employees do themselves to make their environments safer?

A: There are certain guidelines:

- Report hazards to your safety representative.
- Do not work with unsafe equipment.
- Do not work with flammable or chemical substances or with machinery for which you were not trained.
- Know your environment and know what is expected of you.
- Apply the 'good housekeeping' principles.

Q: What does good housekeeping entail?

A: It amounts to a place for everything and everything in its place. Make sure that your work environment is neat and organised: Get rid of waste, including flammable liquids, oily rags and waste paper, keep drawers and cupboards closed and store equipment in their proper places after use.

Good housekeeping boosts your productivity and makes your workplace safer and your work easier and more pleasant.

Q: How and where can incidents or problems be reported?

A: All incidents such as fires and damage to vehicles and buildings must be reported to the control room of your campus's protection services and to the relevant campus safety coordinator.

Injuries requiring first aid must be reported to your department's first aid officer. Injuries that require more than first aid must be reported to the control room of the relevant campus's protection services and to the relevant campus safety coordinator.

MOST COMMON INJURIES

At the NWU, 51% of the occupational injuries reported in 2011 were due to slips and falls, while 18% of the reported cases were cuts, 11% burns, 11% being hit/struck, 6% eye injuries and 3% fractures.

This corresponds largely with the most frequent occupational injuries worldwide:

Slip, stumble, fall: For instance because of something lying on the floor, or the condition of the floor surface.

Electric shocks or burns: For example due to faulty electrical wiring or equipment, flammable liquids or gases, use of heat in kitchens or liquids close to electrical equipment or wiring.

Back, neck and head injuries: For example due to hard physical labour, falling objects, and picking up, pushing or carrying heavy objects. Smaller, repetitive movements such as typing could also result in hand or joint injuries.



Mr Gerrit van Wyk became the NWU's Institutional Coordinator: Occupational Health and Safety on 1 October 2011. He used to be a consultant at AJ Kirsten Risk Consultants in Randfontein.

Disability is no obstacle to Letlhogonolo

Letlhogonolo Mafela, a special young man from Mafikeng, is ready for some new challenges and is looking forward with excitement to his first year at the NWU.

Letlhogonolo is an example to many of us. He was born without arms and taught himself to write with his right foot and with his mouth.

He wrote his matric examination with his right foot and passed with university exemption.

Although he was allowed extra time to finish, he was able to complete all his exam papers within the prescribed time. Whenever his right foot got too tired, he used his mouth.

"I want to become a scientist, so I'm going to study biological sciences," says Letlhogonolo, who matriculated at Motuba High School. He is enrolled at the Mafikeng Campus and will be staying in a residence.

Letlhogonolo was recently honoured for his perseverance. He received a laptop from the North-West Department of Education and a R50 000 donation from the Kenneth Kaunda district municipality.

An anonymous benefactor gave R10 000 and the NWU made available a bursary to cover his tuition, books and accommodation. "I am very proud of him," says his mother, Ms Grace Mafela.



Letlhogonolo Mafela, now a first-year student at the Mafikeng Campus of the NWU, is not daunted by the fact that he was born without arms. He is pictured here with his mother, Ms Grace Mafela.



Community reaches for the stars

The community of Atamelang reached for the stars when the Mafikeng Campus arranged a public lecture to share the joys of science and especially astronomy with the youth of the village and surrounding areas.

The lecture was held on 28 November 2011 at the Community Hall in Atamelang, 120 km from Mafikeng. The lecture titled "A journey through the solar system" was presented by Prof Thebe Medupe, South Africa's first black astronomer and an astrophysics lecturer in the department of Physics on the campus.

The campus rector, Prof Dan Kgwadi, also attended the event, along with the local organiser, municipal councillor, subject specialists and local educators. According to Prof Dan, this is the beginning of a series of public lectures intended to strengthen relationships with communities around the North-West Province.

After the lecture the community members of Atamelang had the rare opportunity of viewing the solar system through a telescope.



The TX80 twin-screw food extruder in FeedPro's dog food plant.

Engineers do some innovative cooking

Engineers from the Centre for Advanced Manufacturing (known as CFAM) on the Potchefstroom Campus certainly showed innovation when they designed and built a unique extrusion machine for FeedPro Animal Nutrition, a subsidiary of Profert.

In fact, this Vryburg client was so impressed with the machine that CFAM designed for them last year that they decided to order another two.

This extrusion machine, the TX80, is the largest twin-screw food extruder ever made in South Africa.

In the extrusion process, a material is forced through a defined aperture. Where food or feed products are processed by extrusion, a mechanical cooking process forms part of the processing.

Extrusion is used in the food, feed, plastic, powder paint and compounding industries. Food products such as breakfast cereal, puffed chips and dog food can be manufactured in this manner.

Extrusion is particularly suitable for Africa as it is a relatively inexpensive, energy-efficient and easily operated method to produce a wide range of food products for humans and animals. It is also environmentally-friendly as it produces minimal waste products.

Licence scanner invention is on the right track

The unique licence scanning device of the departments of Protection Services and Electronic Services landed them an award for the most innovative contribution to the improvement of an existing NWU management system, process or work performance during the Research Awards ceremony.

The licence scanners have been installed at vehicle gates to manage visitors' access to the facilities of the NWU. The devices are located at nine different gates on campus, including those at the Institutional Office and the new Engineering building.

Mr Danie Stoop, head of Electronic Services, said the realisation of this invention was truly a team effort, with invaluable assistance from Instrument Making.

The purpose of access control is to assist in keeping track of every visitor, his or her vehicle and licence card going through the gates.

According to Danie, not a single vehicle has been reported stolen since the introduction of the scanning device. An added bonus is that this exercise is also time saving and cost effective.

Awie hangs up his baton amid the sweet sounds of success

After 36 years as choirmaster of the NWU, Prof Awie van Wyk hung up his baton in December last year.

His career ended on a high note. The NWU PUK Choir was participating in the Prague International Christmas and Choir Festival, where they walked away with the honours in the category for large choirs and were also chosen as the overall winners.

"It was a wonderful experience, and the choir made me very proud. It was the perfect way to finish my time with the choir," he says.

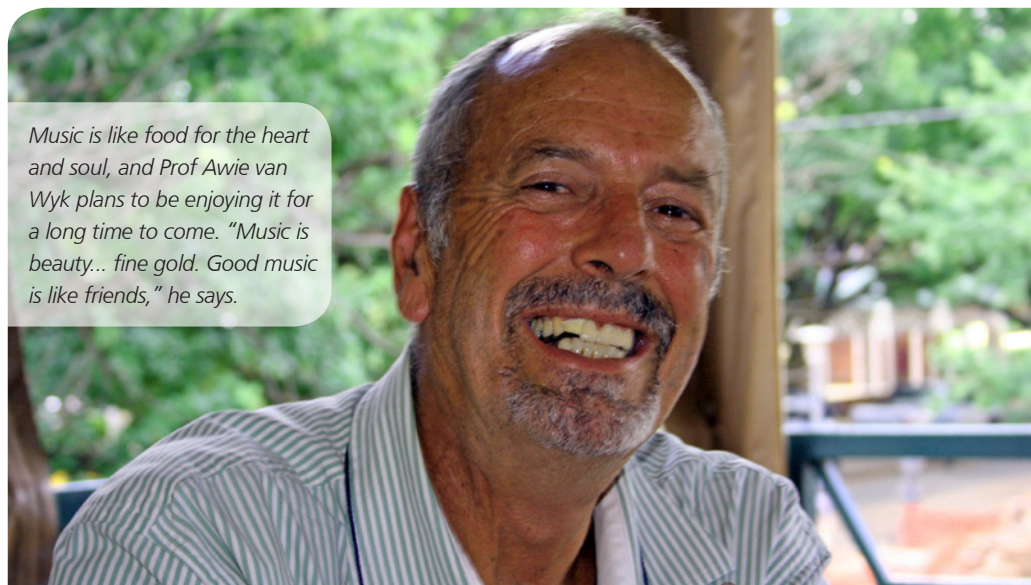
One of the highlights of his career was when former President Nelson Mandela danced

with the choir. "He has charisma, there's just something indescribable about him," says Prof Awie.

Although he does not yet have any fixed plans for the future, the Karoo is his immediate destination, and he will consider his options from there.

Prof Awie will be succeeded by Mr Kobus Venter, for whom he has the highest regard. "I leave the choir in capable hands. Kobus is very talented and I am 100% sure that he will make a success of his work."

He leaves big shoes to fill, but it seems that Kobus's hands will be able to tie the laces.



Music is like food for the heart and soul, and Prof Awie van Wyk plans to be enjoying it for a long time to come. "Music is beauty... fine gold. Good music is like friends," he says.



Paper planes for freedom

The subject group of Political Science within the Faculty of Humanities recently joined the international initiative to end modern-day slavery. The CNN Freedom Project – brain child of the global news agency CNN – is aimed at drawing much-needed attention to the plight of modern-day slaves.

In an effort to spread awareness, CNN has challenged individuals to not only create paper planes with messages of hope written on them, but also to pass the planes on to others, thus expanding the reach of the project.

According to Dr Ina Gouws of the Political Science Subject Group the paper planes are

a symbol of the path towards freedom. "It is astounding that more people are forced into labour today than ever before," she says, adding that most of the public is unaware of this global crisis.

Statistics show that between 600 000 and 800 000 human beings are captured and transported across international borders every year.

It is also estimated that there are at least 10 million slaves in the world today – more than at any other point in human history.

"By taking part in the project, we take ownership of this global atrocity," Dr Ina says.

Faculty rewards research excellence and achievement

The Faculty of Economic Sciences and Information Technology recently rewarded staff members for their contribution to research excellence. The award ceremony saw staff members not only receiving acknowledgement from the faculty management but also from their peers.

The highlight of the event was the announcement of the top three researchers within the faculty. The Researcher of the Year Award was made to Dr Wedzerai Musvoto (first place), with Prof Wynand Grobler in second place and Prof Etienne Barnard in third place. As Faculty Researcher of the Year, Dr Wedzerai walked away with R20 000 (to be used for future conferences), as well as a certificate of acknowledgment and a luxury hamper.

Certificates of acknowledgement were awarded in two categories: Research Excellence and Research

Achievement. In the category for Research Excellence, the following colleagues were recognised: Dr Roelien Goede, Prof Philip Pretorius, Prof Dawid Jordaan, Dr Aaron Tau, Ms Charmaine Scrimnger-Christian, Prof Marelie Davel, Prof Andrea Garnett, Mr Andre Mellet, Dr Joseph Sekhampu, Prof Ayesha Bevan-Dye and Prof Gert van der Westhuizen.

In the category for Research Achievement, six staff members received awards. They were Dr Natasha de Klerk, Ms Malie Zeeman, Ms Imelda Smit, Ms Verushka Pelser-Carstens, Dr Diana Viljoen and Dr Charles van der Vyver.

In his address the dean, Prof Herman van der Merwe, praised the researchers for their dedication and commitment, and encouraged them to stay focused on and willing to expand their research endeavours.

New Vaal lecturers shine

The Academic Development and Support (ADS) Unit of the Vaal Triangle Campus hosted the 2011 Institutional Course for New Lecturers (ICNL) certificate ceremony on 15 November 2011 at the Quest Conference Estate.

Prof Linda du Plessis, Vice-Rector: Academic, Quality and Planning, was the guest speaker at this special ceremony, where newly appointed lecturers received their ICNL certificates.

The highlight of the evening was the announcement of the ADS/ICNL award for outstanding participation in 2011. Dr Esmarie Strydom, Head: Academic Development and Support, presented this award to Ms Mari-Leigh Pienaar from the Faculty of Humanities and to Mr Habofanwe (Fanie) Andreas Koloba from the Faculty of Economic Sciences and Information Technology.

The ADS Unit would like to extend a special word of thanks to Prof Martin Oosthuizen, Deputy Vice-Chancellor: Teaching-Learning, and to Dr Muki Moeng, Institutional Director: Teaching-Learning.



Photo by Jorge H Martins and Elne Papenfus

Mr Habofanwe (Fanie) Andreas Koloba from the Faculty of Economic Sciences and Information Technology and Ms Mari-Leigh Pienaar from the Faculty of Humanities receive the ADS/ICNL award for outstanding participation in 2011.

These experts know their subjects

In recent weeks, several members of the NWU community have once again shared their expertise with the community through speeches and in interviews with the media. In our ongoing series, we share the following quotes with our readers.



“ There’s a common misconception that people with antisocial personality disorders lack social skills; however, that is not always the case. In this context, ‘antisocial’ means behaviour that is not approved of by society. ”

Prof Karel Botha, School of Psychosocial Behavioural Sciences, Potchefstroom Campus
(Following the alleged atrocities committed by the so-called “Modimolle monster”.)
Beeld, 18 January 2012



“ Livestock auctions showcase the value that rare game can reach. Formal auctions generated as much as R200 million each year, whereas informal auctions probably accounted for double that amount. ”

Prof Flippie Cloete, Unit for Environmental Sciences and Management, Potchefstroom Campus
Mail & Guardian Online, 6 January 2012



“ Roughly 10 000 people gathered on the North-West University’s Potchefstroom Campus for the reception of the new first years. Approximately 67% of the students who study at the Potchefstroom Campus are women. ”

Prof Herman van Schalkwyk, Rector: Potchefstroom Campus
Beeld, 15 January 2012

“ Last year we experienced a rush of late student applications; that figure is down 75% this year on account of the fact that we laid much emphasis on the 30 September deadline during our visits to schools. ”

Mr Koos Degenaar, Director: Marketing and Communication, Mafikeng Campus
Beeld, 12 January 2012



“ Our campus population has embraced the use of mobile devices, specifically laptops and smart phones. We need to provide an environment that will enable students to get secure Wi-Fi access anytime, anywhere. As part of this effort, we had to make sure that these devices also met our IT security policies. Network Sentry was the only solution that satisfied all of our pilot criteria. ”

Mr Hannes Kriel, Network Engineer, IT Central, Institutional Office
(The NWU implements open and secure network for mobile devices.)
ResponseSource, 9 January 2012



Walking the extra mile

As 2012 swept in like a fresh spring breeze, NWU members of staff wasted no time in showing that hard work, commitment and the willingness to go the extra mile make a difference in other people's lives. We would like to use this opportunity to give these colleagues the recognition that they deserve.

Ms Jeadia Aucamp, a senior administrative assistant in the Physical Infrastructure Department in the Institutional Office, routinely goes out of her way to help others.

"Jeadia is always very friendly and helpful and goes the second mile to solve technical problems in the Institutional Office," says Ms Yolande Bechaz, administrative officer in the office of the Chief Director: Finance.

Yolande also wishes to nominate another staff member, **Mr Anton Badenhorst** from the Technical Services Department on the Potchefstroom Campus. "No problem is too big for Anton and he never hesitates to go out of his way to help others, even if it is not part of his work. Thanks, Jeadia and Anton!"

According to Kgomotso Direko, a lecturer in the Nursing Department in the Faculty of Agriculture, Science and Technology on the Mafikeng Campus, **Ms Nalishebo Kakula**, a senior HR consultant in the HR Department on the same campus, is a shining example of an NWU staff member who goes the extra mile for others.

"Nalishebo renders excellent client service. She is always there to provide the necessary information and gladly assists staff and students."

Another person deserving of a compliment is **Ms Aldene Oosthuizen**, IT Manager on the Vaal Triangle Campus. According to Ms Pauline Kühne, an archivist on the same campus, Aldene is always ready to lend a hand and ever willing to go out of her way to help anybody and everybody.

"Thank you for your help, Aldene. Without you, technophobes like me would have been lost."

Ms Elizabeth Hattingh, a lecturer in the School of Curriculum-based Studies in the Faculty of Education Sciences on the Potchefstroom Campus, wishes to nominate **Ms Louise Meyer**, secretary in the office of the school director.

"Louise is a wonderful person who is always ready to assist anybody from our school, even if she has heaps of work herself. She always has a friendly smile for everyone and she always makes time to listen. Her commitment

speaks volumes and she is worth her weight in gold," says Elizabeth.

Ms Lerato Mojaki, a research officer in the Research Support Department in the Institutional Office, believes that **Ms Marietjie Halgryn**, a senior research support officer from the same department, excels in all her activities.

"Not only does she deliver an excellent service, she's also known for her positive attitude, commitment and enthusiasm," says Lerato.

Ms Elsa Stoop, a typist/clerk in the School of Curriculum-based Studies in the Faculty of Education Sciences on the Potchefstroom Campus, is another true stalwart. "Elsa is a hardworking person, but she is particularly appreciated for her personality.

Elsa always has a smile on her face, always listens to what you have to say and is truly a woman in a million," says Ms Lizette Vermeulen, an administrative assistant from the same school.

The Rector's Office on the Potchefstroom Campus wishes to nominate **Ms Joey Potgieter**, a senior committee clerk in the office of the Campus Registrar.

"Hard work does not go by unnoticed and we would like to thank her for her commitment. Her institutional knowledge of the former PU for CHE, the merger and the NWU is priceless. Thanks, Joey!"

If you would like to nominate a colleague who always goes the extra mile, please send an email to Marelize.Santana@nwu.ac.za. Be sure to give your job title and the name of your department or school as well as the particulars of the person whom you wish to nominate.

JEADA AUCAMP



ANTON BADENHORST



ALDENE OOSTHUYZEN



LOUISE MEYER



MARIETJIE HALGRYN



ELSA STOOP



JOEY POTGIETER



Eish! readers give feedback

When it comes to news, Eish! readers' favourite topic is teaching-learning, followed by articles on centres, schools, faculties and NWU support departments.

Of the regular Eish! articles, the page with quotes from NWU experts is the most popular, followed by the "Focus on..." series.

Readers expressed these preferences in the opinion survey that Eish! conducted at the end of 2011.

For news, reader preferences in order of popularity are as follows:

- Teaching-learning
- Centres/schools/faculties/support departments
- Council matters and decisions
- Sustainability (green living)
- Staff matters (human resources)
- Achievements of individuals
- Research

Readers' order of preference for regular articles is as follows:

- Quotes from NWU experts
- Focus on ... series
- Campus news
- Editorial message
- Longer centrespread articles on NWU people

When asked what they would like to read about more in Eish!, readers made all sorts of suggestions.

Some readers suggested that we publish articles on informal topics such as hobbies of staff members, advice on plants, entertainment, film or show reviews, thought of the day and favourite recipes.

Others would like to see articles on more formal topics, such as strategic priorities, planning and development of the NWU, scholarly information, compliance matters (statutes and regulations) and the NWU's impact on the community.

Suggestions for changes or improvements in future editions of Eish! include:

- Make available a cheaper and "greener" online edition.
- Publish constructive criticism of the NWU where necessary, instead of propagandistic "let's pretend that all problems are challenges"

Thank you to everybody who participated in the opinion survey – remember, your opinion is the compass that keeps Eish! on track.

Comments are always welcome. Send them to nelia.engelbrecht@nwu.ac.za or to santana@nwu.ac.za, fax: 018 299 4938 or internal mailbox: 260.

If you would like to receive the electronic version of Eish! in future, please send an email to marelize.santana@nwu.ac.za.

Here are the winners

Several participants in our opinion survey received R250 each in a lucky draw. Here are the winners of each NWU business unit:

Mafikeng Campus:

Ms Tsholofelo Leeuw,
Centre for Community Law
Ms Phonie Mahlasela, Library
Ms Canada Musi, Library

Potchefstroom Campus:

Ms Annelien Beckley,
School of Curriculum-based Studies
Mr Danie Stoop, Electronic Services
Mr Renaldo Cupido, Office of the Campus Registrar

Vaal Triangle Campus:

Dr Joseph Sekhampu,
School of Economic Sciences
Dr Charles van der Vyver,
School of Information Technology
Dr Diana Viljoen, School of Economic Sciences

Institutional Office:

Dr Rudi van der Walt, Technology Transfer and Innovation Support
Ms Bianca du Preez, Legal Services
Mr Tommy Pietersen, Quality Office

More reader responses received

QUESTION	YES	NO
Do you regard Eish! as a valuable source of information?	86%	14%
Should we increase the number of campus news pages in Eish!?	79%	21%
Should we publish more articles on NWU people?	81%	19%
Do you find it interesting to read about different people's opinions about a particular topic? (Vox Pop idea)	70%	30%
Do you prefer to read Eish! online or in print?	ONLINE : 38%	IN PRINT : 62%



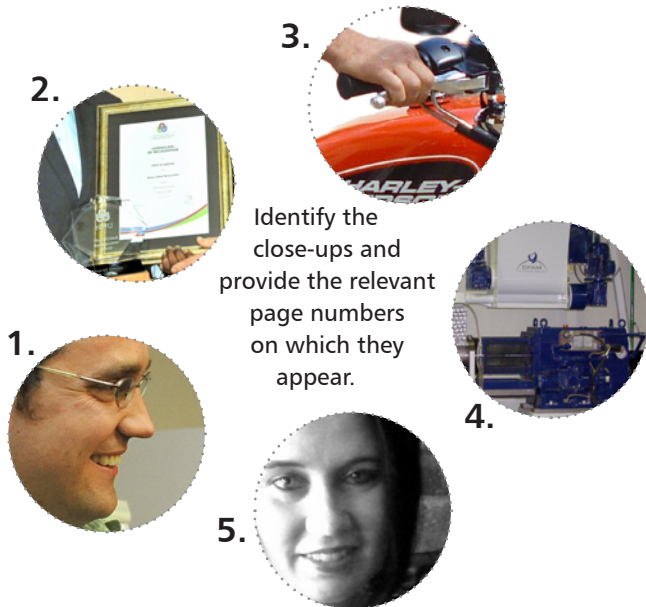
Prof Martin helps with quality in SA

The Council on Higher Education recently appointed Prof Martin Oosthuizen, Deputy Vice-Chancellor: Teaching-Learning (left), to the Higher Education Quality Committee (HEQC) for the period 1 April 2012 to 30 March 2015.

The Council advises the Minister of Higher Education and Training on all higher education policy issues, and the HEQC is its permanent committee with a statutory responsibility to promote and assure quality in higher education.

Win! Win! Win!

You can **win** a corporate **gift** – just find the answers to the following **10 questions!**



Identify the close-ups and provide the relevant page numbers on which they appear.

- 6: Approximately how many first years were welcomed on the Mafikeng Campus?
- 7: What is Prof Kobus Pienaar's favourite dish?
- 8: Who is the new Institutional Coordinator: Occupational Health and Safety?
- 9: What did the subject group Political Sciences on the Vaal Triangle Campus do to join the international initiative to end modern-day slavery?
- 10: What percentage of participants in the Eish! survey prefer to read the Eish! online?

SEND YOUR ANSWERS TO:

Post: Marelize Santana, Internal box 260

Email: Marelize.Santana@nwu.ac.za with Eish! in the subject field.

Remember: Please supply your staff number, title, name, surname, job title, and the name of your division and campus.

The first correct entry per business unit that we receive, will win a prize!



At the beginning of 2012, thousands of first years started their studies on the three NWU campuses. The three "student dads" of the campuses look on as Dr Theuns Eloff, the vice-chancellor of the NWU, welcomes the young people. In the back from left are Dr Sam Thekiso, Dean of Students, Mafikeng Campus, Prof Rikus Fick, Dean of Students, Potchefstroom Campus, and Mr Jacob Simango, Director: Student Affairs, Vaal Triangle Campus.



For Ms Liezl Kruger, digital media developer at d-Media in the Department of Academic Support Services on the Potchefstroom Campus, the following quote has special meaning:

“Your legacy should be that you made it better than it was when you got it.” - Lee Iacocca,
American motor industry tycoon

Do you have a favourite quote that is near and dear to your heart? Please share it with us; we would like to use it in the next edition of Eish!. Please send your quote, its origins or author, your short motivation why this has made an impact on you, as well as your name, surname, job title and department/school to marelize.santana@nwu.ac.za.

www.nwu.ac.za