



Building bridges

NUMEROUS lecturers at Rhodes are involved in the Grahamstown Tertiary Education Bridging Project. This project was launched in April this year and involves approximately 70 matriculants who have been unable to find employment or do not qualify for admission to institutions offering tertiary education.

The aim is to help them upgrade their matric symbols and prepare for higher education.

Ms Charlotte Jefferay, co-ordinator of the programme and a Senior Instructor in the Academic Skills Programme (AS), has attempted to incorporate the programme into an 'extended/integrated language development programme' by also involving the wider community. The National English Literary Museum (NELM), the Small Business Development Corporation (SBDC), the Grahamstown Public Library and the museums are providing some of the skills.

Numerous lectures are given during the week at the 1820 Settlers National Monument. At these lectures, English language development activities are integrated through note-making in lectures, small group work and individual brain-storming exercises; written summaries, letters, grammar exercises, songs, short stories and essays; oral report-backs, story telling and presentations; and drama and movement.

The programme for the project includes folktales and stories from home, poetry, history, health, job opportunities, self education, grammar and various learning skills.



These academics were recently awarded Alty Awards by Dr Derek Henderson: (from left) Mr John Herald, Ms Lynette Steenveld, Dr Derek Henderson, Mrs Sally-Anne Robertson and Mr Rob Tilney.

Conference on transition

THE INSTITUTE of Social and Economic Research (ISER), will hold a conference on Political Transition and Economic Development in the Transkei from November 29 to 30. The conference will be held at the East London Division of the University.

The conference will facilitate the production of a book of essays on aspects of political transition and economic development in the Transkei and adjacent areas.

After considerable academic and popular attention during the early years of Transkei's formal independence, it was felt that the work now needed to be supplemented with in-depth reviews of developments in the post-Matanzima years and exploration of the problems of re-incorporation into the South African polity.

Although the conference will focus on Transkei, some attention will also be given to the Ciskei and other areas.

The registration fee will be R50.

For further information, contact Professor Roger Southall, Department of Political Studies, ext 354.

For a list of papers to be presented, see back page

Modern man is only four hours old

WE ARE grateful to RPM Record Company for the following thoughts from the sleeve of the album *Rain Dance* by Clark Datchler:

"Planet Earth is 4,600 million years old. If we condense this inconceivable time-span into an understandable concept, we can liken Earth to a person of 46 years of age.

Nothing is known about the first 7 years of this person's life and, whilst only scattered information exists about the middle span, we know that only at age 42 did the earth begin to flower. Dinosaurs and the great reptiles did not appear until one year ago, when the planet was 45.

Mammals arrived only 8 months ago; in the middle of last week

man-like apes evolved into ape-like men, and at the weekend the last ice age enveloped the Earth.

Modern man has been around for 4 hours. During the last hour Man discovered agriculture. The industrial revolution began a minute ago.

During those sixty seconds of biological time Modern Man has made a rubbish tip of Paradise.

He has multiplied his numbers to plague proportions, caused the extinction of five hundred species of animals, ransacked the planet for fuels and now stands like a brutish infant, gloating over his meteoric rise to ascendancy on the brink of a war to end all wars and of effectively destroying this oasis of life in the solar system."

Dinosaurs and the great reptiles appeared a year ago, when the planet was 45.





UDUSA Congress notes

AT THE annual congress of UDUSA in Durban during July, Rhodes together with the other 'open' universities were criticized for both race and gender inequalities evident in their employment of professional staff.

In a survey report (based on 1988 SAPSE figures) tabled at congress, 71% of all professional staff* at 18 universities were men. As shown in the rank-ordered table below, Rhodes employs the smallest number of women in professional posts, alongside Fort Hare and Stellenbosch.

* Professional staff under the SAPSE definition includes instruction, research, executive, administrative, managerial and specialist professionals.

University	Female	%	Male	%	Total
Vista	101	40	149	60	250
Medunsa	86	39	132	61	218
Unisa	592	38	952	62	1544
Witwatersrand	364	36	654	64	1018
Durban-Westville	136	31	299	69	435
Pretoria	500	31	1111	69	1611
Rand Afrikaans	105	30	245	70	350
Cape Town	293	29	707	71	1000
Western Cape	150	29	365	71	515
Orange Free State	192	26	546	74	738
Zululand	72	25	212	75	284
Natal	206	23	682	77	888
Port Elizabeth	64	22	233	78	297
Potchefstroom	123	22	440	78	563
North (Turloop)	72	20	291	80	363
Fort Hare	46	19	202	81	248
Rhodes	60	19	264	81	324
Stellenbosch	203	19	848	81	1051

Concerning race, all universities surveyed reported a distinct racial imbalance in the composition of their professional staff, as reflected in the following listing (also based on 1988 SAPSE figures), rank-ordered according to percentage of black professional staffers.

University	%Black	%Colour.	%Asian	%White
North	49	0	.5	50.5
Zululand	49	0	4	47
Fort Hare	42	1	1	56
Vista	18	1	1	80
Medunsa	17	1	1	81
Western Cape	3.5	43	3.5	50
Wits	3.5	.5	1	95
Cape Town	3	1	1	95
Natal	3	.5	5	91.5
Rhodes	3	.5	.5	96
Unisa	3	.5	.5	96
Durban Westville	2	1	51	46
RAU	1	0	0	99
OFS	.5	0	0	99.5
PE	.5	.5	0	99
Potch	.5	0	0	99.5
Pretoria	.5	0	0	99.5
Stellenbosch	.5	.5	0	99



"I can't help wondering that there must be more to life than just wondering if there must be more to life."

RUSA NEWS

THE EXECUTIVE Committee has been preparing for its Annual General Meeting which took place on Tuesday, August 27.

Extracts from the minutes and from reports presented, will appear in the next issue.

WHAT'S ON? NOT MUCH!

WEDNESDAY, September 11: The Grahamstown Music Society presents Yvonne Timoiuanu (cello) and Alexandru Preda (piano) at the City Hall at 8.15pm

Following this fine artist's triumphant tour, including Grahamstown concert, in 1988, her return will be warmly welcomed. Her partner is again Preda who is a fine pianist in his own right.

REMEMBER THE ROSES

BOOKINGS for the trip to the Addo Rose Show are mounting up, so if you're keen to go, phone Mike Young at the Transport Office to be sure of a seat - there are only about 20 sets left. The Transport Section have arranged for two buses (one large and one small) to take interested staff and their spouses to the show. Saturday, October 12. Leaving at 8.00am and returning at 2.00pm. A donation of R8 per seat will cover all costs.

ALL PACKED

Dr K S Hunt - Registrar

THE UNIVERSITY is again contracted to Cross Cape Express for all its courier services. Cross Cape have agreed to the following:

- Charge a net price so that the Departments obtain the benefit of the discount.
 - Deliver any small parcels addressed to a specific department directly to the department.
- In light of this, the University collection service to Leopard Express will NOT be resumed and departments using Leopard Express will have to collect their own parcels. We were advised by Leopard Express that parcels had been awaiting collection for several weeks, certain of which contained perishable goods which were no longer fit for use by the time they had been collected.

FOUNDER'S DAY SERVICE

A COMMEMORATIVE wreath-laying ceremony will be held at the War Memorial, in front of the Great Hall, at 5.00 pm on Thursday, September 12. All staff and their families are invited to attend. Academic dress is optional, but medals and decorations to be worn.



Lord, who sees all things below,
Grant that they servants may go slow
That they may struggle to comply
With regulations till they die.
And if the Tempter seeks to give
Them feelings of initiative
Or if alone they go too far
Chastise them with a circular
Midst war and tumult,
fire and storms
Comfort them, we pray,
with forms.
Thus shall they servants ever be
A flock of perfect sheep to thee

Anon





Mrs Nora Mpofu of St Mary's Hall makes her contribution to Arbor Day by planting a Natal Mahogany.

Air your views - write to Rhodos.
The best letter will win an all-expenses-paid trip for two on the Oceanos.

REWARD

A R100 reward is being offered for information leading to the conviction of persons found stealing plants from gardens and planters within the University.
Please contact Grounds and Gardens, ext 241, providing details.
Mark Hazell

FORBIDDEN TO BE HIMSELF

A TIRAT Hacarmel artist who went out for a walk one evening was arrested for impertinence to a policeman and for falsely identifying himself when he said his name was Leonardo da Vinci. The Israeli, an immigrant from Mexico, was cleared when it was proved that that was indeed his name. To avoid further difficulties he has now changed it to Aryeh Golan - but he is still engaged professionally in painting, sculpture, architecture, literature and poetry.

SATANIC VIRUSES

VIRUSES have become a fact of life for PC operators. The most lethal strains can kill computers; the more common varieties kill off the operator first.

A virus is essentially a mischievous or destructive piece of software. Technically it is a self-replicating programme that attaches itself to a "host" in the target computer. There are other sorts of destructive programmes other than viruses which researchers have classified as "trojans", "worms" or "rabbits". For laymen, the distinction is irrelevant; they all mess about with the insides of computers. The damage caused by viruses is a function of their maliciousness: some are non-destructive "jokes"; others can delete or destroy files; still others can deny the user access to data.

Graceful heaps

The early viruses were mainly jokes. A 1988 virus called Cascade caused the letters on a screen to fall gracefully into a heap at the bottom; a later virus called Flip turned the VDU inside out, creating a mirror image of the screen.

Computer viruses spread just like their human biological equivalents: by contact between systems. The bugs are carried by contaminated diskettes passed between computers, or transferred by infected programmes loaded onto computers.

Probably the most curious fact about computer viruses is that no one appears to profit from them. Virus writers are nameless technicians engaged in a purely visceral game: the exercise of writing the ultimate virus. The viruses themselves are ingenious, taking skill, time and patience to compile, yet there are no economic rewards for writing them. It is a purely intellectual exercise. Only once has a virus been used in a large-scale attempt at fraud, in late 1989 with the "AIDS Information Introduc-

tory Diskette", now known as the AIDS Trojan.

The AIDS Trojan was posted to some 26 000 computer users on a diskette purporting to be a test that measured the user's vulnerability to AIDS. Few victims ever saw the test. What they saw instead was an invoice for the lease of the software, cheques to be sent to an address in Panama City. The Trojan had hidden or encrypted all other files on the computer and seized effective control of the machine. Because the Trojan was programmed to activate after 90 "reboots" or machine start-ups, cases of AIDS infection are still being reported. Many more PC users may not even know they've been infected. As far as is known no payments were received in Panama City and the alleged perpetrator, a US citizen named Dr Joseph Lewis Popp was arrested on a blackmail charge and is currently fighting extradition to Britain.

An antidote to the AIDS Trojan was written by Jim Bates who has been researching viruses for four years. In that time he has watched in frustration as the number of viruses has increased, from only a dozen three years ago to over 300, including variants, today.

Malicious bug

In late 1989, a new virus was discovered in Britain. It was, at the time, the most infectious and most malicious bug ever seen. Its programme contained an ominous test string which read: "This programme was written in the city of Sofia (c) Dark Avenger." The Dark Avenger has become a legend in both the East and the West and is credited with writing twenty known viruses which are amongst the most sophisticated and most destructive ever seen. He is a member of the so-called "Bulgarian virus factory".

The origins of the factory go back to the last decade when the president of Bulgaria had a vision of his country becoming a high-tech power, manufacturing computer hardware. In the mid 80s companies and institutions in Bulgaria started taking possession of the copies of IBM XTs and Apple IIs. What they lacked, however, was any particularly useful application for this hardware and as a result, much of this equipment went unused. In addition, Bulgaria didn't have any software. Their solution was to pirate Western software, which they did on a massive scale by managing to break the copy protection schemes. In so doing Bulgaria developed a class of highly skilled software pirates.

However, with the collapse of the Zhivkov regime in 1989, their principal function of supplying software ended and they turned their idle hands and minds to havoc instead, writing computer viruses. Initially these were relatively low-key and harmless. But then, someone in the guise of the Dark Avenger began writing malicious viruses with the ability to attack the basis functions of a computer and to destroy data. His programmes were not jokes.

Bulgaria riddled

At present, only a few of the Dark Avenger's viruses have slipped into systems in Western Europe although computers in Bulgaria, and increasingly in the rest of Eastern Europe, are riddled with them because the Dark Avenger pumps his viruses onto electronic bulletin boards. At the moment, a number of police forces in Europe continue to display a discreet interest in the Dark Avenger's activities. Technically, however, he has committed no crime: writing viruses is not an offence in Bulgaria.
(With acknowledgement to GQ)

FIRST AID FUNNIES

FIRST AID chiefs in London were falling about in stitches recently after reading recruits' exam howlers.

Mistakes in the St John Ambulance entrance papers included: "The best treatment for shock is to rape the patient in blankets."

And one person wrote that if a patient is worried about his wife and family, "a social worker will be able to dispose of them for him."

Others reckoned "artificial respiration is known as the kiss of death"; "a bleeding nose may require circumcision"; some drugs have a more lusting effect than others; and "the best room for eye trouble is one that is well alight."

Errors continued with: "the patient will need to be publically shaved before theatre"; "next wash the patient's groin and genial area", and "when a nurse has passed her final examination, she is certified."

Yet most of those who dropped the clangers still managed to pass.

The worst gaffe of all was that of a student dashing into what he thought was a practical exam.

Mr Hammond said: "The poor lad came running in and started carrying out the kiss-of-life on a woman he believed was the 'guinea pig.'"

"But he got a slap in the face for his efforts. He had gone into the wrong room - and she was waiting for a doctor to treat her injured foot."

SPORT REPORT

SPORT at Rhodes has continued to improve over the past season. Many of the university's sportsmen and women have been selected for provincial and national sports teams.

Three players, in particular, have done extremely well on a national level. Greg Ferrans has been selected for the South African B Hockey team. He also captained the Eastern Province A Hockey team and was selected for the South African Universities side.

The other two players, Andrew MacLachlan and John Stapleton, have excelled in rowing. Both received their Trident Colours at the recent National Performance Regatta, which means that should a Springbok team be selected for the 1992 Barcelona Olympics, both will receive their colours.

A number of Rhodes players were also selected to play for South African Universities teams. Mickey Lindsay was selected for the SAU Surfing team, while Bronwyn Viljoen and Lauren Meyer were selected for the SAU Volleyball team, and Lesley Parker and Helen Taylor for the SAU Hockey side.

Derek Redfern, Dave McAllister and John Heath played for the EP A Hockey team. On the women's Hockey side, Lesley Parker and Helen Taylor played for the EP A team.

Delon Preston and Richard Lurie are in the EP U-23 Rugby team, while Kelly Hilton-Green has returned to the U-20 team, after being sidelined for a while due to an injury.

The women's Squash team recently finished second at the SAU Squash championships, with Caroline Handley being chosen as an SAU reserve. Another player, Jane McGregor has represented EP. In the men's division, John Biggs is ranked 12th at SA U-21 level.

Two players also did well at Basketball, with Penny Scott and Debbie van Zyl representing EP.

• RHODOS DEADLINES •

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date date

2 Sept 12 Sept
16 Sept 26 Sept
7 Oct 17 Oct
21 Oct 31 Oct
4 Nov 14 Nov
18 Nov 28 Nov

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ERNEST OPPENHEIMER Memorial Trust Fellowship

Applications are invited for the following Ernest Oppenheimer Memorial Trust Fellowships:

■ UNIVERSITY TRAVELLING FELLOWSHIP

■ WD WILSON VISITING FELLOWSHIP

When submitting nominations, the following information should be provided:

- ☐ The name and curriculum vitae of the proposed visitor
- ☐ The name and curriculum vitae of the person issuing the invitation
- ☐ Details of the department or institute, which the nominee is to visit
- ☐ A description of the visitor's proposed research/lecture programme, including details of any conferences at which the candidate might speak during the visit
- ☐ A summary of the potential benefit to the institution who will host the visitor and the value of the visit to education as a whole
- ☐ Proposed arrangements for accommodating the visitor
- ☐ The proposed duration of the visit

For further information, contact Mr Jonathan Lancaster, Deputy Registrar, ext 102.

ISER conference papers

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The following papers will be presented at the conference:

Dr Richard Humphries and Mr Khehla Shulane of the Centre for Policy Studies at Wits will present a paper entitled Broad aspects of homeland policy/reintegration; Ms Xoliswa Jozana of the Political Studies Department at the University of the Transkei will present a paper on The Transkeian independence: realities and future prospects; Dr Simon Baynham of the Africa Institute of South Africa in Pretoria and Mr Geoffrey Wood of the Department of Sociology at Rhodes will join forces to present a paper entitled The Transkei Defence Force in a transitional South Africa; Mr Etienne Nel and Ms Janice Temple of the Department of Geography at Rhodes will present a paper on Industrial development in the East London metropolitan region: a study of state intervention 1960 to 1991; Professor Richard Haines of the Department of Sociology and Industrial Sociology at Rhodes will present a paper entitled Industrial decentralization in the Ciskei and Transkei: current and future scenarios; Prof Simon Bekker of the Centre for Social and Development Studies at Natal University and Dr Cecil Manona of the ISER at Rhodes will present a joint paper on Northern Transkei and Natal: interaction and institutional linkages across the Border; Julian May of Agrico in Bophuthatswana will present a paper entitled Development intervention in Transkei: the contradictions of state planning; Dr

Chris Tapscott of the Namibian Institute for Social and Economic Research at the University of Namibia will present a paper entitled The rise of development thinking in the Transkei; Dr William Beinart of the Department of History at the University of Bristol will present a paper entitled Land allocation and rehabilitation in Transkei; Dr Andrew Spiegel of the Department of Anthropology at UCT will present a paper entitled Village politics and administrative practices in Matatiele; Dr Fred Hendricks of the Department of Sociology at the University of the Western Cape will present a paper entitled Democracy, land tenure and chiefs in the Transkei; Mr Andrew Donaldson of the Department of Economics at Rhodes will present a paper entitled Financial aspects of government in the Transkei region; Ms Julia Segar of the Department of Anthropology at Rhodes will present a paper entitled Health at the village level: Ciskei and Transkei; Dr Neil Dewar of the Department of Geography at UCT will present a paper on Peri-urban development in Umtata; Prof Roger Southall of the Department of Political Studies at Rhodes will present a paper entitled Labour relations and trade unions in the Transkei; and Dr Russel Kaschula of BARD at the University of Transkei will present a paper entitled The Xhosa oral poet as a relevant political and social commentator in the Transkei.

There will also be a panel discussion on reincorporation and development.

SMALLS

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• EMPLOYMENT •

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What's on?

Thursday, August 29

• Political Studies film: *Man of Steel*
GLT. 4.05pm

Friday, August 30

• Term ends

• RHODOS STAFF •

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