



English Academy Medal

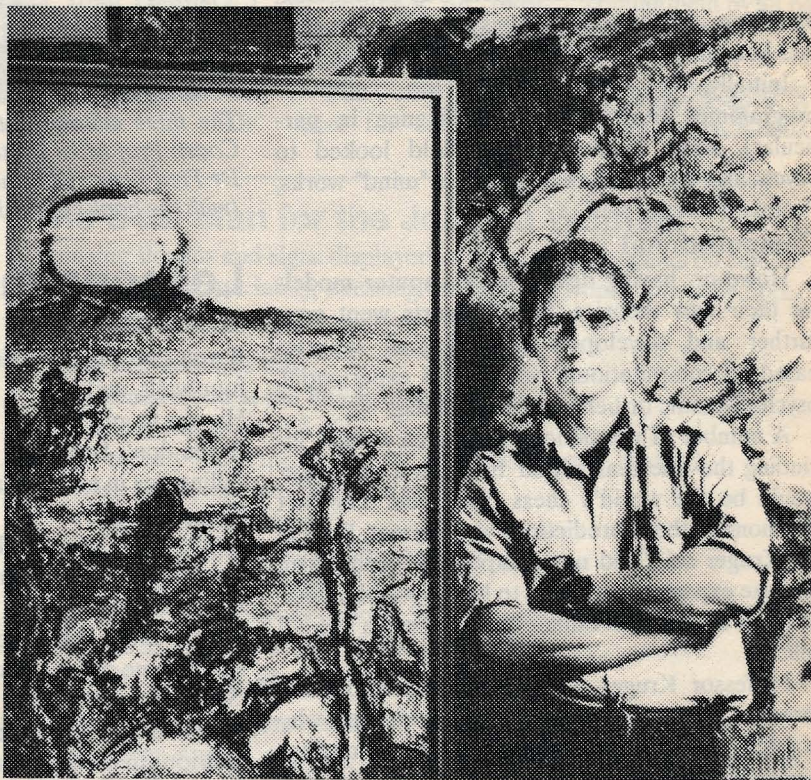


Professor Guy Butler, an honorary life vice-president of the English Academy of Southern Africa, was the recipient of the first English Academy Medal to be awarded, at a function in Johannesburg in September. The medal is awarded for conspicuous service in the cause of English over a number of years. Prof Butler was largely responsible for changing the original concept of the 1820 Settlers Monument to establish it as a conference centre. The change included the staging of the annual Grahamstown Festival of the Arts. Professor Butler was the first to identify the need to harness modern linguistic theory to the teaching of English as a second language. He was instrumental in establishing the Institute for the Study of English in Africa (ISEA).

Farewell to colleagues!

Sadly, we have to say goodbye to the following staff members who are retiring, leaving town or moving to another workplace. We wish them all a full, happy and productive future.

Prof Calvin Cook (*Divinity*), Prof Dreyer Kruger (*Psychology*), the Rev Gerald Hawkes of (*Divinity*), Prof Rodney Davenport (*History*), Mrs Anne Mayo (*Education*), Mr Tommy Kirton (*Building Maintenance*), Mrs Elize van der Merwe (*Drama*), Mr Eugene and Mrs Lorraine Jager (*Computer Centre and the Janitor's office*), Mr Stan Morgan (*Human Movement Studies*), Mrs Sheila Neave (*Rhodes Union*), Mrs Janet Nell (*Transport Office*), Mrs Sue Smith (*Maths*), Mr Sid Williams (*Botany*), Mrs Barbara Main (*Computer Centre*), Dr Doug Coghlan (*Human Movement Studies*), Mr Len Smit (*Permanence*), Mr Koos Louw (*Legal Aid Clinic*), Mrs Lambitzi (*Journalism/Pharmacy*), Mrs Mary Allen (*Faculty Office*), Mrs Pat Compton (*Student Records*), Mrs Gail Drennan (*Student Adviser's office*), Mr Vincent Sandford (*Business Affairs*), Mrs Pat King (*Business Administration*), Miss Janice Futter (*Chemistry*), Mrs Jane Swarth (*Drama*), Mrs Doreen Cragg (*Social Work*), Dr Jean Branford (*Dictionary Unit*) and Mr Tommy Els (*Computer Centre*).



Noel Hodnett in his Studio at the School of Fine Art

Noel's Art for Chile

Soaking up some South American sunshine is Noel Hodnett, from the Department of Fine Art, one of four South African artists to have works on display at the International Biennial in Valpariso, Chile. The Biennial, the third largest in the world, runs from November 10 to December 10.

Before he jetted off to Rio, Noel said it was a great opportunity to have works exhibited in South America. The Valpariso Biennial is one of the few international exhibitions still

open to South Africa artists.

While in South America, Noel plans to see as much pre-Columbian art as he can, and to view the Nazca lines in Peru. He also hopes to fit in trips to Easter Island and the Straits of Magellan.

He has recently sold a number of paintings to various bodies. The Department of National Education bought "Blue Paradise Bird" for their collection which is displayed in embassies overseas;

the Pretoria Art Gallery bought "Moonlight Quarry" and the Baring Bank in London bought "Eastern Cape Bush Country".

One of the paintings which will be on exhibition in Valpariso, "Near Gardner's Drift" has been bought by the Johannesburg Art Gallery.

Noel has donated one of his paintings, "Rhino and Ha-de-dah", to the Rhino and Elephant Foundation, to be auctioned to raise funds for the Foundation.

Kruger looks ahead

Professor Dreyer Kruger definitely gave his audience plenty of food for thought when he presented his Valedictory Lecture recently.

In his lecture, entitled "Some Thoughts on the Future of Psychology", Prof Kruger warned that psychology could seduce itself into a role of hand-maiden to technocracy.

A worse possibility was that psychology would be captivated by a technological way of thinking, based on computer analogues or even the idea that humanness can be reduced to a computer.

Initially, in trying to develop computer programmes (for artificial intelligence in particular), some leaders in the field looked to psychology for ideas as to how the "mind" works, Professor Kruger said.

Computational

However, having developed computer models for their new theories, those experts went even further and developed psychological theories based on computational rather than experiential, psychodynamic or behavioural thinking.

A number of predictions were then made - including the one that within 10 years a computer would be the world's chess champion. The fact that none of these predictions was correct, Professor Kruger said, did not dampen the enthusiasm of these experts, who began to look upon the computer as an artificial human being - even a second self.

Professor Kruger went on to talk about the threat of nuclear war and quoted Heidegger, who pointed out that the greatest threat of nuclear power was not so much that it would unloose a nuclear catastrophe, but rather that the way of thinking which produced it would come to dominate man's essence to such an extent that we would lose the ability to think in a non-technological way.

Critical scholarship

He said it was important for psychology to specifically promote critical scholarship and critical thinking in the science, and in all areas of life - not as a purely academic exercise, but as a contribution to develop the human essence in such a way that it would not fall prey to the linearity and one-dimensionality of technological thinking.

There was no way in which technology could be stopped, Professor Kruger said. It was up to psychologists to make such a living with technology possible and fruitful. Part of the task of psychology was to guard man's essence which meant that psychology should resist all attempts to make itself a technological enterprise.

Should psychology fail to man "the last frontier", traditionally called the soul, the human being would have been made into a "fully conditioned cypher, a total cog in the wheel of production and consumption."



The three editors of the award-winning 'Field Guide to the Eastern Cape Coast: Prof Mike Bruton (with citation), Director of the JLB Smith Institute, Dr Fred Gess (with the medal) of the Albany Museum and Prof Roy Lubbe (with the book) of the Botany Dept.

Lessons they learned

She was taught

If you don't get married you'll wind up a very lonely person staring at four walls, and

He was taught

If you don't finish law school you'll wind up an object of pity and contempt selling ties in a haberdashery, and

She was taught

If you don't put a little something aside every week you'll wind up a lonely person being thrown out on the sidewalk, and

He was taught

If you lend a friend your sports jacket he'll perspire under the arms and won't come out at the cleaners and you'll wind up resentful, and

She was taught

If you don't have health insurance you'll wind up a very lonely person delirious in a hospital ward, and

He was taught

If you go to bed with girls they'll lie and say they're pregnant and you'll wind up having to marry them, but

She changed her name to Maya and

He changed his name to Orfeo, and

They're living in a commune in the country

With collective housekeeping and organically grown vegetables and kinds of shatteringly honest relationships

That are only possible between men and women

Who have renounced flush toilets and the telephone, and As a result working in the fields, and

Washing in the streams, and

Wearing simple homespun robes they

Have freed their senses from the tyranny of the intellect, and

Tuned into the music of the cosmos, and

Plumbed the secret depths of their innermost beings, but

She's still putting a little something aside every week, and

He's still not lending his jacket... Just in case

Judith Viorst

CONSCRIPTION ADVICE SERVICE

Concerned about your call-up?

For free and independent advice on any conscription query, call us at 2-6067

FROM THE POTTING BENCH

Deal with those bare patches

by Mark Hazell

The rains have come. At Grounds and Gardens 242.5mm were recorded from the beginning of October until November 6. When this article was submitted, the water restrictions hadn't been lifted fully - but we're getting there!

Even if we can only water twice a week, it's still a good time to get those bare patches in your lawn covered over.

A recent introduction to the market is a lawn grass mixture called "Shadeover". The seed is ideally suited for planting in those difficult - under the tree - areas in the garden.

It is marketed in two formulations. One is to blend with Kikuyu, and the other with fine lawn such as Cynodon sp.

A 1kg bucket is suf-



ficient to cover an area of approximately 25 square metres. The sowing instructions are listed on the container, so give it a go. You'll be amazed at the results you'll achieve.

The seed can be obtained from local nursery suppliers in town.

Trenches

During the course of the next few weeks, you will notice that numerous lawns on campus will have trenches dug through them. Although unsightly at first, the trenches are necessary to lay the pipes for our new irrigation system. This will mean that the gardening staff will be more effectively utilized in future, as watering by hand is very time-consuming.

Please bear with us in this very necessary disruption.

Divinity Summer School

Because "a knowledge of the Hebrew language is the key which unlocks the treasure house of the Old Testament" the Department of Divinity will run a Summer School, entitled "First steps in Biblical Hebrew: A crash course for beginners" from February 5 to February 9 next year.

The course will be conducted by Dr

Robin Wakely and aims to equip participants with sufficient knowledge of elementary Biblical Hebrew to enable them to begin reading and translating the Old Testament with the aid of a lexicon.

The Summer School is intended for those who have no previous knowledge of Hebrew.

The only requirement for entrance to

the School will be the successful completion of a short correspondence course before the end of January, 1990. Dr Wakely explained that the four-day programme would be intensive, and would demand a serious and sustained commitment by all participants.



The Best Man for the Job is a Woman!

Amusing slogans and signs displayed in various departments on campus have caught our eye lately, stressing the fact that women have the upper hand around here.

The first goes like this:

A woman stood at the Pearly Gates.

Her face was worn and old.

She meekly asked the man at the gate admission to the fold.

"What have you done" St Peter asked,

"To gain admission here?"

"I've worked for Rhodes University, Sir,

For many and many a year."

The gates swung slowly open as St Peter pressed the bell.

"Come in and take a harp," He said.

"You've had your share of hell".

The second little gem reads:

Whatever women do, they must do it twice as well as men to be thought half as good....Luckily, this is not difficult!

And the third?

They've found something that can do the work of FIVE men. ONE woman!

The price of education is on the increase : fees rise at Rhodes

Are you bombarded with questions about costs and courses at Rhodes from friends or acquaintances not connected with the University? Do you feel a twinge of embarrassment when you don't know the answer?

Well, if someone asks you within the next few months how much it costs for a prospective student to study for a year at Rhodes you can safely say: "between 12,9 and

13,1 percent more than it did last year!"

Dr van der Merwe released a statement in October on fee increases approved by the Rhodes Council which will increase the package cost for first-time entering students by between 12,9 and 13,1 percent.

The fee increases have been necessitated by the combined effects of the high inflation rate, the declining value of the Rand and reduced state sub-

sidies, which have placed all universities under severe financial strain.

"Rhodes is determined not to compromise quality, and the proposed increases are the minimum that will enable us to maintain our standards in 1990", Dr van der Merwe said.

Next year, for example, BA and BCOM students will pay a tuition fee of R3 200 (R2 800 in 1989) and a residence fee of R4

425 (R3 950 in 1989). A BSc student will pay R3 450 (R3 000 in 1989).

Registration has increased from R280 to R300.

Car wanted

Second-hand car wanted to buy as soon as possible. R1 500 to R2 500 offered. Phone Eugene (ext 286) or Louise (279)

TINY'S Gas- thaus Res- taurant and Beergarden.

Sunday three course meal and coffee R9,95

Monday Special 200g Rump or Sirloin and vegies and chips plus a glass of wine/ beer/ mineral R8,95

Private Dining Rooms for your special function Free coffee daily after 9pm

Car Scheme update by Georg Gruber

The RUSA car scheme is operating and some people have money. We started about two weeks ago and to date 9 new cars have been ordered or delivered, with a few more in the pipeline right now. So far our sales have been 5 Opels, 2 Toyotas, 1 Honda and 1 Ford.

RUSA will consider applications, not only for new cars, but also for good second hand cars. We will shortly publish a regular news sheet listing second hand cars available on campus.

Should you wish to purchase a second hand motor car, not older than about 4 years get your application form from Finance office. For older cars additional security may have to be provided.

So if you intend to upgrade your car, let's have the details of your car and the price you want. I also have a book giving the range of present market values. Please phone me (ext. 456) for further details.



As this is the last edition of Rhodos for this year, the Rhodos team wishes all staff a restful holiday, a happy Christmas and a prosperous New Year. Rhodos will appear again in February 1990.

People and Other Aggravations

I'm having twelve for dinner and the butcher won't deliver.
 I forgot my mother's birthday and she's brooding.
 Computers keep on dunning me for bills I paid six months ago,
 And I'm also including air pollution, FW, germ warfare, the Pill, people... and other aggravations
 The Airport only answers me with tape-recorded messages.
 Our pre-school's split on cookies versus crackers.
 The girl my husband hired is about to proposition him,
 Not to mention hijackers, the AWB, race relations, the Minister of Defence, people... and other aggravations
 My in-laws say my attitude is very unco-operative.
 The dentist found my gums in poor condition.
 The card I mailed a month ago still hasn't reached East London,
 And there are, in addition, the urban crises, Lebanon, the sex revolution, inflation, people... and other aggravations.
 The class one teacher tells me that my son said dirty things to her.
 Don't ask what I would give to get a plumber.
 The friends who just broke up insist that I have to choose whose side I'm on,
 Plus the long hot summer, overpopulation, sexism, the bomb, people... and other aggravations
 My brand-new slinky catsuit is stuck with double bubble gum.
 The car (third time this week) has flunked inspection.
 Our broker has advised me of some alternate insurance plans,
 But none of them provides complete protection against
 Cigarettes
 Cholesterol
 The SABC
 HNP
 AIDS
 Wit Wolwe
 Drug addiction
 DDT
 People... and other aggravations
Judith Viorst (slightly adapted)



Thar she blows! The Fountain has a "test run".

Academics say "Aye"

Replies to questionnaire distributed by the Academic Education Committee at Rhodes to members of the academic staff revealed that most academics are in favour of some sort of extra-mural continuing education programmes at Rhodes.

The questionnaire was prepared by Professor Bill Davies of ISER, and the returns were analysed by him.

Of the 250 questionnaires distributed throughout internal mail, 112 useable returns were received.

Respondents were given a choice of locations for the establishment of such programmes and 80 percent were in favour of the Grahamstown campus, while 78 percent favoured East London. Seventy five percent of respondents were in favour of using both venues.

A total of 31 respondents were not in favour of such programmes, either in Grahamstown or in East London. Two of the reasons given were the small factor : 39 percent felt they were already committed; and the fact that Grahamstown is a small place. Only three percent of respondents felt that (a) it was not a university response and (b) that such programmes would require much organization.

If such programmes were established, 80 percent of the respondents indicated that they would be willing to undertake teaching assignments. 77 percent indicated that they would expect financial remuneration for so doing.

Regarding the kinds of programmes that might be suitable at each campus, the lowest percentage vote went to on-going, continuing programmes offered throughout the academic year. Most respondents were in favour of intermittent programmes organised according to demand for short-term summer or winter schools.

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LETTERS LETTERS LETTERS LETTERS

THE EDITOR

The table below is presented as a comparison between income and costs in 1966, 1971 and today.

	1966	1971	1989
Standard salary	280	375	3990
PAYE	?	30	909
GST	0	0	13%
Net pay	?	330	2700
Light & water	9	16	220
Chemist & medicine	8	10	250
Butcher	15	20	200
Petrol	9	12	200
Maid	12	20	160

Interesting is it not ? Only in 1966 and 71 I was employed as a lecturer, now I have been on top of the Senior Lecturer scale for a very long time. Both in 66 and 71 GST was zero, now 13%. Thus tax has increased from roughly 10% to a rough 32% (including GST).

What I feel is that my 'income' now is considerably less in purchasing terms as when I started my career.

I pity those junior lecturers and lecturers starting their career now, still having to consider raising a family on such pittances. While I pity them, they have one major advantage. I am locked into the system, hoping one day to get a pension worth more than a loaf of bread, while they can still get out of education and join the yuppies on the Rand.

I did not mind departing students getting a starting salary roughly equal to my 'finishing' salary, but graduates starting at about 50% more and being promised rises in the near future make me rather depressed.

Are we that useless to our Society and its future ?

Senior Lecturer

THE EDITOR,

I have noticed that members of the University has been appending "Rhodes University" to their names when writing letters to the press, expressing personal opinions.

I presume that this is done to lend academic credibility to the articles, or to imply that the content of the articles reflect the collective opinion of the University community.

I consider this practice to be fraudulent, on these grounds:

The articles do not represent the results of responsible and accountable research done under the auspices of the University and;

The authors have not been mandated by the University community to publish these opinions on behalf of the University.

I ask that these authors refrain from associating the name of Rhodes University with their personal views.

Perhaps the University should adopt a

policy in this regard.

These communications should stand on their own merit, and not rely on implied academic respectability or group consensus.

Justin Jonas
Department of Physics
and Electronics



THE EDITOR,

In reply to Richard Buckland's letter about the cuckoo in the Christmas Box my diary shows that the earliest date on which I have heard its arrival is October 11. This disregards the odd false alarm caused by our resident Cape Robin and the ubiquitous and vaguely similar "Toppie".

Michael Ginn
Public Relations

THE EDITOR,

In response to Ms M E H Dickerson's letter in the October issue of RHODOS, I wish to point out that there is absolutely no reason whatever why the Drama Department, or anyone else, should have had no heating power over the last two winters.

If this is the case, then there is some fault with the electrical system in that department.

Please understand that, since there are no psychics in Business Affairs, the electrical maintenance workshop, or the electronics workshop, we rely heavily on our colleagues in other departments to inform us, and even complain vigorously, when such faults occur in their departments or (student) residences.

There certainly is no reason, or excuse, for the Drama Department to have suffered in silence over the last two winters. Although Electronic Services is aware that there have been serious faults with the demand control data line (post office owned) to the Drama Department, the demand control computer (FEP) in each of the buildings which are under control is designed to operate independently when communication with the central computer fails.

We have not been made aware of a lack of heating power, or any other fault with the electrical system in the Drama Department and therefore, with the best will in the world, we would not have been able to remedy these problems.

With respect to Ms Dickerson's observation that offices in Administration were heated during winter, this is what I would have expected. As mentioned in the article on the demand control system, the heaters are turned off only when the power consumption exceeds certain levels, and this occurs only on those few occasions in winter when we experience ice cold, wet and dark days.

It is under these conditions that most of the lights and heaters are switched on, potentially pushing the University's power consumption to unacceptably high levels, and incurring for the University the punitively high electricity bills described in the article.

Only on these few occasions does the demand control system bring buildings under control, and even then, only for a few hours. As I recollect, this occurred only on three or at most four, days this winter! Of course, the wags will point out that the demand control system allows one all the heat one needs, except when it is most needed - but in the

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When asked to comment in general on the principle of extra-mural continuing education programmes, 57 percent of respondents said that it was a good proposal and would fulfil a real need - to bring the university closer to the people. Twenty three percent of respondents felt that there would be strong resistance to any proposed extra-curricular activities if staff were not well remunerated, as staff were already overburdened with teaching and research responsibilities.

According to Professor Davies, numerous suggestions were made regarding the kinds of courses and lectures which could be presented. These ranged from proposed formal presentations within particular subjects to general interest suggestions.



CHRISTMAS TREES for sale @ R2 each. Phone Grounds and Gardens to book your tree. Trees will be available for collection from 11 to 21 December on Mondays, Wednesdays and Fridays only.

Hymn and Prayer for Civil Servants

O, Lord, Grant that this day we come to no decisions, neither run we into any kind of responsibility, but that all our doings may be ordered to establish new departments, for ever and ever. Amen.

O Thou who seeest all things below,
Grant that Thy servants may go slow,
That they may study to comply
With regulations til they die.
Teach us, Oh Lord, to reverence
Committees more than common sense.
To train our minds to make no plan
And pass the baby when we can.
So when the tempter seeks to give
Us feelings of initiative
Or when alone we go too far,
Chastise us with a circular.
Mid war and tumult, fire and storms,
Give strength, O Lord, to deal out forms.
Thus may Thy servants ever be
A flock of perfect sheep for Thee.

Published anonymously in the Daily Telegraph

Bugged by "stoned" viruses

by Dick Henderson
Computer Science

What is a computer virus?

A computer virus is an executable computer program that is designed to make copies of itself. The word executable defines the habitat of the virus program, it must reside at some point that allows it to be accessed by the computer's processor and carry out any nasty instructions contained in the virus program. Thus they tend to infect the disc boot sector (BSV virus), any executable file, that is files with the filename extension of .EXE or .COM (Exe File virus) and type I have not seen yet that infects the partition record (PRV virus) of a hard disc drive.

How does it infect?

The boot sector virus can only infect your computer if you attempt to boot your computer from an infected floppy disc. **Infection can occur from a non-bootable disc. Beware!** Why? Because your computer **must** read the boot sector to get instructions on what system to load into your computer and to find out where the system files are. In doing so your computer read the instructions to load the virus into it's ram as though it were a terminate and stay resident file (TSR) just like SideKick etc. From now and until you switch your computer off, each time you do **any disc operation**, the virus program (now TSR) will check to see if the disc accessed, hard drive or floppy drive, is in-

fectured, if not, then infect it. What the virus does is to move the original boot sector plus most of it's own code to the first available empty cluster on the disc and mark that cluster as bad and then write it's own new boot record onto the disc to allow further infections when **some person** carries the infected disc to another computer. Neat eh?

Remember if your hard drive is infected, you re-infect your own computer each time you switch on, and then infect each and every floppy disc that is put into your computer even if only to get a directory listing - **if that floppy disc is not write protected!**

The Exe File virus is subtly different. Assume you have a file SORT.EXE on your DOS diskette that is infected. When you access that file by giving the command SORT /whatever, that file is loaded into the working part of ram ready to carry out the instructions contained in the switch /whatever, but the very first instruction comes from the virus! The usual instruction is make the virus resident to your computer **and then finish the original command**. So you are not aware the virus is alive and well and living in your computer memory! During the course of a normal day you might access dozens of other executable files which will now become infected, you may even innocently copy these infected files to floppy discs and give them to your friends! What the virus

does is to move a section of the program to the end and leave a pointer to where its gone, then write it's own code into the space it just created, the only thing you might notice is that your .EXE files are now slightly larger.

There is another kind of virus that checks .EXE files for large blank areas in the file itself where it can hide, but this results in a very slow infection rate for this type of virus making it quite rare.

What will the virus do?

In a lot of cases nothing! But due to the egoistical nature of people who write these nuisance programs they must announce themselves by producing a pop up message or a little ball bouncing around the screen. The real trouble starts when nut case hackers get hold of the source code and try to modify the virus for their own ends. Because they often do not have a good grasp of machine code they leave a program that replicates until trigger time and then causes the computer to crash with resultant loss of data. Trigger time is when the message must pop onto the screen or the ball must start bouncing.

For the Italian virus (bouncing ball) this is when the clock is exactly on the hour **and** you happen to be doing a disc access of some sort, so you can have been infected for quite some time before you will become aware of it. Some viruses such as

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interests of keeping costs to a minimum, we shall have to accept this.

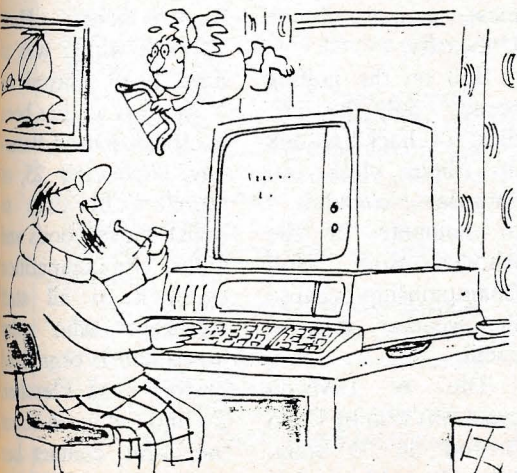
Where the space heating installed in any given part of a building is inadequate, this should be brought to the attention of Business Affairs. This however, is a separate issue from the demand control system, and is not covered by the ambit of this discussion.

I would now like to address the question of how much of the rotation time is allocated to the administrative buildings as compared with the teaching areas in departments. All buildings operate under the same regime! The rotation of power between power points in a building is a function of the FEP computer in each building, and this cannot be influenced by the central computer, which can only decide how many (but not which) circuits in all buildings should be turned off. In addition, no distinction is made between teaching and non-teaching areas in any building, and nor do any staff members enjoy priority over others when heating power is allocated.

All non-student-residential buildings are controlled at the same level, and at the same time! The only persons who are more equal than others are the students, whose residences come under control once heating power has been removed from all non-residence buildings (i.e. academic and administrative buildings, but not kitchen) which are on the demand control system. The student residences are also the first to be given power whenever the demand levels drop. Kitchens are never controlled.

Let me reiterate, the point that my function, and the function of all staff in the service and maintenance divisions of the University, is to ensure that the services and equipment in the University is kept in working order. We cannot, however, repair faults which are not brought to our attention, so please inform Electronic Services whenever you suspect there may be a problem with the heating system in your department or residence. Faults which are not associated with the demand control system should be referred to the maintenance electricians.

Barry Guthrie
Electronic Services



"A Muse! Are you IBM-compatible?"



Tribute to CUTA pioneer

RHODOS pays tribute to Andries Matthys de Jager, 7 April 1944 - 12 July 1989.

He played a pioneering role, from his position as Chairman of the Lecturers' Association at the University of Stellenbosch, in establishing CUTA in 1979. In April 1980 he was elected CUTA's first Chairman.

Obituary to Research Fellow

EMERITUS Professor Brian Alanson wrote the following obituary to Dr Brian Peter Boden, Research Fellow in the Department of Zoology and Entomology at Rhodes.

Brian Boden, who died on October 6, was born in Cape Town and, after matriculating, read for the BSc degree in Zoology at Stellenbosch University.

His studies were interrupted by the 1945 war, which found Brian eager to play his part. He served with distinction in the SA armed forces for the duration of this devastating period of human history.

On his return to South Africa, he completed his degree studies at the University of Cape Town and, in 1947, joined the post-graduate school in Oceanography at the famous Scripps Institute at the University of California. He graduated with a PhD in 1950.

Brian liked to think of himself as an oceanographer in the classic mould - less enamoured with the sophistication of modern oceanographic equipment, which he readily admitted he did not really understand. This did not prevent him, in collaboration with his wife and colleague, Elizabeth Kampa, from contributing significantly to the study of the light properties of the ocean.

Their collaborative work is still a rich source of understanding, and the papers published in between 1950 and 1970 remain an important focus of reference for the modern researcher on ocean

optics.

As a classic oceanographer, his interests were catholic. The link between his studies of the optical properties of the sea and the distribution of zooplankton provided the foundations for later important work on the nature of the Deep Scattering Layer.

Dr Boden was one of the first to suggest that the layer was, in fact, a manifestation of the migration of zooplankton vertically, in the sea's depth.

The strategic significance of this work was not lost on the office of Naval Research of the United States Navy, and Brian was commissioned Commander to allow him to continue working in an essentially classified environment. He was, quite understandably, secretly rather proud of this distinction.

It was on the basis of Dr Boden's experience and knowledge of oceanographic events that the Southern Ocean Research Group was created within the Department of Zoology and Entomology at Rhodes. The presence of this research focus at the University has contributed materially to our knowledge of the Sub-Antarctic seas of this enigmatic ocean.

He will be remembered by his colleagues at Rhodes University as a kind, sympathetic and generous man - always willing to listen to and advise on the crises which befall many graduate students.

"Let him who merits bear the palm" - Horatio, Lord Nelson.

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Jerusalem virus will cause .EXE or .COM files to get larger by one or two kay bytes each time they are accessed causing the computer to operate more and more slowly until the file becomes too large to be loaded and the computer crashes with loss of data again.

The STONED virus, which lives in the COMMAND.COM file, will format track zero of your hard drive after eight boot ups of the system. This means goodbye to everything on your hard drive unless you are much loved or have lotsa money.

What to do?

If you have never seen or been affected by a virus, fear not, because in the fullness of time you **will** get one! This is a world wide problem that will need extensive redesign of PC systems to contain it. In the mean time a few simple precautions will help to slow the problem and preserve your data.

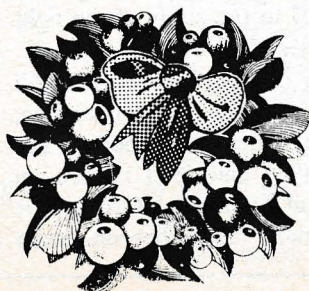
Back-up. You should have a clean copy of all your application files locked up in a drawer somewhere safe and a clean copy of all your data files in a box near your computer. Backup your data files each time you make any progress. The Dept of Computer Science has software to check files for a large number of different viruses. Ask and you will be given a copy of same plus instructions (in writing) of how to use. Whatever backup system you use, do you know for certain that it will restore? **This will become very important!**

Write Protect. All your application files should be on write protected discs as it is very rare that an .EXE or .COM file writes to itself. **To date there is no known virus that can write to a write protected disc!** Also a virus does not bother to infect a data file because it will not gain control of your system from these files but that does not mean to say a virus will not change data in a data file! There is one nasty little virus that swaps digits in a data file

in such a way that CRC checksums are fooled but output from that file will now be nonsense. **This means you must check all computerised billing you give or receive** (well you do that anyway-don't you?). **Never ever** boot from a floppy disc before you are absolutely sure that the disc is clean. You are going to have to do this on a regular basis to check that your hard drive is still clean. It might help to hide COMMAND.COM under another name and load it to a small ram disc at boot time and make it read only.

Quality. A quick and easy check for BSV's (boot sector virus) is to check a disk with the DOS CHKDSK facility. Good quality floppy disks will not have any bad sectors after formatting (if they have, give the disk to an enemy). Now do a regular CHKDSK run on all your data disks (which you can't write protect) and any that suddenly sprout bad sectors **must be treated with utmost suspicion.** Hard drives often have bad sectors when you first get them so make a note somewhere of how much is in bad sectors then make sure this figure **never changes** while the computer is in your possession. Buy all your software from a known respected vendor, make sure it is sealed when you get it **but test it anyway.** Next make a print out of each and every directory and sub directory on your hard drive. Use this for a periodic check against your .EXE and .COM files to see they **have not changed in any way.** You must do the same for each and every floppy disk as well. This seems an awful lot of work but with a little thought you can make the computer do it for you with the aid of batch files.

The foregoing might seem a bit alarming but I'm afraid it's a sign of the times, and it will get worse as more nuts get into the "Let's make a virus" kick! It's a social disease that is spreading and only timeous prophylactic measures will protect your own. If you want more sordid details please feel free to call me.



The more you know, the safer you'll be!!

A frank and honest brochure issued by Department of National Health and Population Development on AIDS is well worth read through - even though you might feel that you heard quite enough about the disease and its plications over the past few months.

The brochure is available in nine languages and employers should recommend it to their employees. If necessary, take time to read the brochure with your staff, and explain it to them if they don't understand it all.

Parents can also discuss the brochure with their children. Although some of the issues covered in the text are not the sort of things which are easily discussed, they must be spoken about -for the safety of future generations.

Copies are available from most doctors' consulting rooms and pharmacies, or from the Department of National Health and Population Development, Private Bag X63, Pretoria.

Limited copies of the brochure are available at the Sanatorium, but please telephone Sister Smith before scooting off to get copies to make sure they are convenient, as exams are being written there.

SPORT SPORT

Golf takes top honours on the sporting scene this month, with golfing staffers out on the greens at every opportunity, getting their swing just right for the encounter of the year - the Henderson Trophy.

The match will take place on November 19, and Dr Henderson, back from his recent overseas trip, will join the field of golfers from the academic, administrative and technical sections of the University.

Still on the golfing scene - only the hardiest of hackers took up their clubs on Saturday November 4 to compete in the Rhodes Staff Golf Championship because the weather was so awful.

The A Division event was won by Colin Buxton on 79 while John Donald carded 89 to take the B

Division honours.

Road Running

Chris Whiteley's in the news again. He ran Belville in the Cape Town Saturday, November 10, in the SA 15km Road Championships and maintained his personal best-ever time of 46 minutes;26 seconds.

Richard Foss strove out in the company of Bruce Fordyce to take 4th position in the recent Kowie Strid 27km event.

Bowls

The Keith Hand Trophy, which was postponed until Saturday, November 25, is still time to polish those woods and enter. The competition is open to all students members who play bowls and is organized by Mrs Jean Fletcher. To find out more about the event, contact her at telephone 22637.