



**RHODES UNIVERSITY**

*Grahamstown • 6140 • South Africa*

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**1996**

**Vice-Chancellor's Annual Report**



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## Rhodes 1996

Founded: 1904  
 Students: 4 911  
 Black: 1 720  
 "Coloured": 160  
 Asian: 425  
 White: 2 606  
 Undergraduates: 3 886  
 Graduates: 1 025  
 Men: 2 262  
 Women: 2 649  
 Students in residence: 2 090  
 Grahamstown Students: 3 994  
 East London Students: 917  
 Academic Staff: Grahamstown 268,  
 East London 44, Total: 312  
 Administrative and Technical Staff:  
 Grahamstown - 648, East London - 19,  
 Total: 667  
 Student/Staff ratio: 15:1  
 Halls of Residence: 8  
 Residences: 36  
 Grounds: 204 Hectares



## Officers of the University

Chancellor: Dr Gavin W H Relly  
 Principal and Vice-Chancellor: Dr David R Woods  
 Vice-Principal and Pro-Vice-Chancellor: Dr Michael  
 A H Smout  
 Chairman of Council: The Hon Mr Justice R Jos W Jones  
 Registrar: Dr Stephen Fourie

## Council

The Hon Mr Justice R Jos W Jones (Chairman)  
 Dr David R Woods (Vice-Chancellor, ex officio)  
 Dr Michael A H Smout (Pro-Vice-Chancellor, ex officio)  
 Mr Gerry Accom  
 Mr John Badenhorst  
 Mr Peter Bennett  
 Mr Terry Briceland  
 Professor Guy Butler  
 The Revd Glen Craig  
 Professor Vivian de Klerk  
 Ms Jennifer Hartel  
 Professor Randall Hepburn  
 Mrs Judith Hilton-Green (Non-academic staff observer)  
 Councillor Eldred Jerry  
 Mr Trevor Long  
 Professor Ian Macdonald  
 Bishop Anthony Mdletshe  
 Dr Koogan Moodley  
 Senator Errol Moorcroft  
 Advocate Lex Mpati  
 Mr Chris Murray  
 Mr Vasco Z Ndebele (SRC Representative)  
 The Hon Speaker Gugile Nkwinti  
 Professor Lambe Parolis  
 Ms Linda Pledger (SRC Representative)  
 Mr Brian Rayner  
 Professor David Sewry  
 Mr Thomas C S Tagg  
 Mr Trevor Wait  
 Mr Neville Woollgar (Vice-Chairman)  
 In attendance:  
 The Registrar  
 The Registrar (Finance)  
 The Director of the Estates Division  
 The Director of Personnel  
 The Director of Marketing & Communications  
 The Dean of Students  
 The Director, Rhodes University, East London



# Rhodes University Foundation

## The Board of Governors

The Board of Governors of the Rhodes University Foundation administers capital funds donated to Rhodes University, investing general donations and its own surplus income in a portfolio of shares and interest-bearing investments. These provide capital growth and income for the University for research, capital development, bursaries and scholarships.

Dr Peter M Searle (Chairman) \*  
 Dr David R Woods (Vice-Chancellor)\*  
 Mr Charles R Baillie  
 Mr Doug Band  
 Mr Terry Briceland  
 Dr Chris de Bruin  
 Mr Henri P de Villiers  
 Mr Anthony R Evans  
 Dr Allan W B Gray  
 Mr Rob D Hamilton\*  
 Mr Hugh S Herman\*  
 Dr Basil E Hersov  
 The Hon Mr Justice R Jos W Jones  
 Mr Hugh Kelly  
 Dr Ian Mackenzie  
 Mr Brian C McCarthy  
 Mr Chris Murray  
 Dr Robin A Plumbridge\*  
 Mr Colin H B Pringle  
 Mr Brian S Rayner\*  
 Dr Gavin W H Relly (Chancellor)\*  
 Mr Derek B Riley\*  
 Mr Richard B Savage\*  
 Dr Conrad B Strauss  
 Dr Dolores Tew  
 Mr Bill S Yeowart\*

\*Denotes members of the Investment Committee

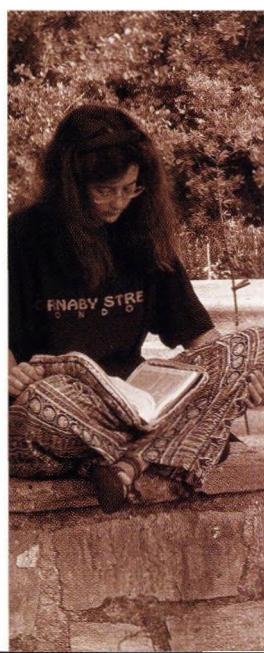


## Deans of Faculties

Arts: Professor Ian Macdonald  
 Commerce: Professor Philip van der Watt  
 Education: Professor Patrick Irwin  
 Law: Professor J Ross Harker  
 Pharmacy: Professor Beverley Wilson  
 Science: Professor Randall Hepburn  
 Social Science: Professor Christopher Stones  
 Dean of Research: Professor Lambe Parolis  
 Dean of Wardens: Mr Michael Oelschig

## Research Institutions and other Affiliated Organisations

Academic Development Programme, including the  
 Computer-based Education Unit  
 Albany Museum  
 Biopharmaceutics Research Institute  
 Centre for Social Development  
 Dictionary Unit for South African English  
 Hermann Ohlthaver Institute for Aeronomy  
 Institute for Social and Economic Research, including the  
 Development Studies Unit and the International Library of  
 African Music  
 Institute for the Study of English in Africa, including the  
 Adult Literacy Unit  
 Institute for Water Research  
 J L B Smith Institute of Ichthyology  
 Johnson & Johnson Leadership Development Institute  
 LIRI Technologies/Leather Industries Research Institute  
 Molteno Project  
 National English Literary Museum  
 Rhodes University Mathematics Education Project  
 Southern Ocean Group





# The Vice-Chancellor's report

**It is vitally important for South African universities to produce graduates who are internationally competitive if the country and its people are to thrive and prosper.**

We are well aware that we need to maintain and improve our ability to enrol and train the best minds we can find, people who can be analytical, creative and adaptable in a rapidly changing and highly technological environment. We have therefore embarked on a number of strategies which will enable us to provide the kind of education to our students that will send them out into the world equipped with the tools for the job.

We live in a rapidly changing world and in a country which demands that we change with it. Universities must re-examine curricula and make changes that take into account the backgrounds of their students and the local and national contexts. Curriculum development is nothing new and should be continued on an ongoing basis at any good university. We need to change the teaching-based methods of the past to learning centred techniques.

In everything we do in adapting to meet new challenges, however, our overriding consideration is the development of Rhodes University as a precious resource and centre of academic and research excellence.

During the course of 1996 we were able to study both the report of the National Commission on Higher Education and the Green Paper on Higher Education Transformation. We have welcomed the Green Paper as a whole, but have reservations about some aspects of it. While we acknowledge that the state is a major stakeholder in higher education and accept the principle of accountability, we have expressed our concern at what appears to be increasing levels of government control - to the point of interference. While these developments were taking place in the broad context of South Africa's tertiary education development, the year 1996 was packed full of activity at Rhodes University. Dr Derek Henderson retired at the end of April after over twenty years as Vice-Chancellor. When I took his place at the beginning of May there were a number of fires to fight, both literally and figuratively, but the transition period went smoothly and all the fires were doused.



**Dr David Woods with members of the University council after his Inauguration.**

Problems involving alleged poor response to student concerns spilled over into unrest in April and a small number of students resorted to violence, which caused some damage. A mediator was called in to deal with the situation which was finally resolved and the students guilty of violence were disciplined.

Due to severe drought, Grahamstown had a number of serious bushfires and at times parts of the campus were threatened. It was all hands to the pump - including those of the Vice-Chancellor.

The Inauguration in August was a splendid mix of hallowed tradition and African exuberance and we were highly honoured by the presence of President Nelson Mandela and many other dignitaries, both local and from abroad. During my Inaugural Address I was able to tell those present of my vision for Rhodes, and to outline some of the results of a "Bosberaad" attended by members of the University Council, Deans and senior management.

The most important outcome of the management "Bosberaad" was the decision to set up an academic plan to drive future developments in the light of the rapid changes taking place in the country. This process is already well underway. It became clear that the future major growth in the University will take place in East London, where the market for our degrees is enormous and the need for training in technology is urgent. We will make major efforts to ensure that Rhodes East London continues to grow to accommodate the many people in that area who would benefit from a university education. Commerce and Education are already strongly represented at Rhodes East London and there are two key areas in which I can see us growing dramatically there - technology and the management aspects of commerce.

Increasing the numbers of graduate students on the Grahamstown campus is another priority which we have already begun to address.

We are also co-operating with other tertiary education institutions in the Eastern Cape on a more formal basis than previously, with the formation of the Eastern Cape Higher Education Association.

According to the September 1996 issue of the South African Journal of Science, Rhodes has the highest *per capita* rate of science publications of all universities in the country. The most recent figures released in the Science Citation Index, show that Rhodes scientists are publishing 3,75 articles per researcher per year. This is significantly higher than our closest competitor, Wits, with 3,33 science articles per researcher per year. We are also seeing a significant growth in the number of students applying to read science at Rhodes.

## Departmental reports

The quality of our teaching and research staff continues to be impressive and I was pleased that the Vice-Chancellor's Distinguished Research Award went to Dr Michael Davies-Coleman, of the Department of Chemistry. The Vice-Chancellor's Award for Distinguished Teaching was a double award this year - going jointly to Professor Paul Walters of the English Department and Mr Hennie van der Mescht of Education.

A welcome visitor to the Department of Accounting in October was Professor William Ferrara, Professor Emeritus at Stetson University, USA, accompanied by his charming



wife. The visit was part of an annual award made by the American Accounting Association to a distinguished academic.

Professor Ferrara is one of the foremost writers and researchers in management accounting, and the esteem in which he is held worldwide was understandable when he delivered an excellent lecture to a large and appreciative audience of students and academics.

Professor Barbara Bosch, Head of the **Department of Afrikaans & Netherlandic Studies**, delivered her inaugural lecture, "*Afrikaans and the spirit of equilibrium*", in May. She and Ms Surita Joubert, a graduate student in the department, were invited by the Dutch Language Union to attend a month long summer course on Dutch language and culture. She was awarded an Association of Commonwealth Universities Fellowship for the 1996 - 1997 academic year which will enable her to work at the Centre for Distance Education and the Centre for Language Learning and Teaching at the University of Southern Queensland, Australia. She was appointed co-editor of the "*South African Journal of Linguistics*" and published numerous research articles in local and international academic journals.

Professor Etienne van Heerden's new novel "*Kikoejoe*" was published, he was invited to deliver a series of lectures at various Dutch universities and delivered the keynote address at the "*Remembering into the Future*" Conference in Berlin, Germany.

Dr Godfrey Meintjes delivered a paper on the work of André Brink at the International interdisciplinary conference of the American Association for Netherlandic Studies held at Columbia University in New York. He contributed a chapter to Emmanuel Ngar's "*New Writing from Southern Africa*", which was published in London.

For the nineteenth consecutive year Tim Huisamen served as a committee member of the Standard Bank National Festival of the Arts and organized his fifth highly successful Winter School. He acted as adjudicator for the Artes Awards and the Sanlam Literary Prize for 1996.

There was once again major growth in student numbers, particularly postgraduates, in the **Department of Biochemistry and Microbiology**. The department has 35 MSc/PhD students and 16 Honours students. The research activities in the department have attracted considerable interest from industry and a total of R2.2 million was received for research during 1996 from the Water Research Commission (WRC), the Foundation for Research Development (FRD), the Medical Research Council (MRC) and industry. A further significant development was the appointment of Professor Peter Rose as the first Professor of Biotechnology, which will provide a significant boost to the already thriving Biotechnology teaching and research programmes.

Eight members of staff went overseas during the year for short visits and to present papers at conferences. A number of international collaborative programmes have arisen from these visits.

Professor Ted Botha, Head of the **Department of Botany** attended the third International Workshop on Basic and Applied Research in Plasmodesmatal Biology in Zichron Ya'akov, Israel in March 1996, where he presented two papers. Professor Botha has been selected to chair and host the next international meeting in the year 2000 in South Africa. Professor Roy Lubke attended the 28th International Geographical Congress in The Hague in August, where he and Miss Ursula Hartling presented papers.

Dr Gaynor Rose-Marie Richardson received the South

African Association of Botanists Bronze Medal for the most outstanding PhD thesis submitted in 1995. She is head of the Department of Botany at the University of Fort Hare. Recent innovations in **Chemistry** at the undergraduate level include the Chemistry IR Bridging Programme and the Entrepreneurial and Industrial Projects in the second and third years. Graduate student numbers continue to grow and the research contributions of several members of staff were recognised by awards in 1996. Professor Michael Brown received the prestigious Mettler Medal of the North American Thermal Analysis Society, and Professor Perry Kaye was awarded the AECI Medal of the South African Chemical Institute.



### A light moment with Commerce Foundation students

Student numbers in the **Commerce Foundation Programme** increased from 14 in 1994 to 37 in 1996. These alternative admission students had a pass rate of 50 percent, with one student achieving a first class pass in Mathematics and another a first class pass in Statistics. Numerous sponsors from the private sector donated money to support the programme during the year.

The **Department of Computer Science** continued to experience a steep growth in student numbers in 1996, at both the undergraduate and graduate levels. Undergraduate growth has been attributed to the combination of an attractive curriculum, the high profile reputation of the qualification, and an increased industry demand for well qualified Computer Scientists.

Graduate numbers are growing with increased industry investment at this level. Graduate students who are supported by industrial sponsors now outnumber those on FRD and private funding by 3 to 1. Significant research achievements in 1996 were the completion of three PhD theses, and the establishment of a "Centre of Excellence in Remote Multimedia" in collaboration with the Telkom Research Laboratories. The Centre is funded by industrial investment.

Staff members in Computer Science made leading contributions nationally to science festivals, professional bodies, and symposia, and contributed internationally to conferences and standards authorities.

The **Department of Drama** had an extremely busy year, with a large number of productions and conferences as well as educational drama keeping both staff and students well extended. The Department was well-represented at the National Festival of the Arts as well as schools festivals and



other artistic festivals around the country. The Department set up Dramaide as a pilot project to develop a replicable method of using drama in schools as an effective medium for sexuality, HIV/AIDS and life-skills education. The Ilitha Arts Education project, founded in 1995 in response to a call for contact, exchange and capacity building in arts education has continued to expand rapidly. The First Physical Theatre Company launched itself as a professional company during the year. The Company's inspired artistic programme is aimed at expanding and exploring new directions in South African theatre and making it more accessible.

The Department of Economics and Economic History has completed a major survey of the 1996 Standard Bank National Festival of the Arts to assess the impact of the festival on wealth generation and job creation in Grahamstown. Over 1 000 interviews were conducted with festival-goers, formal and informal businesses, households and accommodation facilities.

Results suggest the festival generates an income of more than R25 million for the city. Most of this income falls to middle-income Grahamstown West households, primarily through the letting of accommodation. Grahamstown East households benefit to a lesser extent, but are more likely to save any earnings.

The Department of Education continues to grow and expand in new directions as it meets the changing needs of the country. The primary education section has now established itself as a separate department in East London and, had Professor David McKellar and his staff the facilities, they would more than double the present number of students, such is the demand for their courses.

The Department in Grahamstown has created a number of partnerships as it develops directions of increasing importance. Murray & Roberts have renewed their support for the Chair in Environmental Education based on the excellent work being done in that area. Gold Fields is establishing an Environmental Service Centre in the Department to supplement the Further Diploma in Education (FDE) in Environmental Education, which they already sponsor. In another exciting development, the Department has teamed up with the ORT-STEP Institute to offer an FDE in Technology Education.

At the Masters degree level, Education now offers an entire coursework-only alternative. Without lowering the research rigour demanded by a thesis, students will be able to conduct a number of research projects focusing more appropriately on their individual professional practice. This year has seen staff of the department of Education involved in many areas of provincial and national curriculum and policy development. While this participation is time-consuming, they have been able to make significant contributions to a process which will influence the course of education in this country for many years to come.

After seventeen years as Head of the Department of English, Professor Malvern van Wyk Smith stepped down. He was succeeded by Professor John Gouws. Members of the Department devoted a great deal of time developing far-reaching curriculum changes to make courses more accessible and flexible. The changes, to be implemented over a period of two years, will enable the Department, under the newly-established School of English Studies, to integrate some of its courses with those offered by the Departments of Linguistics & English Language, Education, Journalism & Media Studies, French, German, Afrikaans & Netherlandic Studies, and Drama, as well as with the activities of the National English Literary Museum, the

Institute for the Study of English in Africa and the Dictionary of South African English.

Dr Wendy Jacobson organised a very successful conference, "*Dickens, Empire and Children*", in September.

There was a significant change in the staffing of the **Geology Department** in 1996 with the appointment of two new lecturers: Dr E Ferre from France, who is a structural geologist, and Dr O Cataneanu from Romania, who is a sedimentologist and sequence stratigrapher.

The department's MSc programme in Exploration Geology and Economic Geology continues to receive support from the mining industry and the Chamber of Mines agreed to provide financial support for a Post-Doctoral Research Fellowship in Economic Geology in the department from 1997.

Members of the **History Department** maintained a high level of professional activity, in diverse ways, during 1996. Dr Julia Wells played a key role in establishing the Eastern Cape Oral Studies Association and was elected as its first chairperson. Ms Brenda Nicholls and Dr Gary Baines gave papers at international conferences in England and New Zealand respectively. Professor Paul Maylam's co-edited book on the social history of Durban, "*The People's City*", was published by Heinemann and the University of Natal Press. Dr Robert Shell joined the East London branch of the department from Princeton University. His book on Cape slavery, "*Children of Bondage*", continues to generate debate and substantial reviews. Dr Keith Tankard, also a member of the East London Division's History staff, initiated the establishment of a South African History site (H-SAfrica) on the world-wide web. He is the chief editor for this site which has about 200 subscribers world-wide and generates discussion and information on a daily basis. While each staff member has remained active, the department continues to attract postgraduate research students - at present it has seven doctoral students and nine masters students under its auspices.



**Professor Jack Charteris taking measurements in the laboratory**

After 14 years as Head of the Department of Human Movement Studies, Professor Jack Charteris has stepped down, in order to focus his attention on his research. During his years in the Chair, Professor Charteris was the key figure in revolutionizing the conceptual approach to the analysis of human movement, not only at Rhodes, but throughout the country. Professor Pat Scott will head the Department in 1997. Dr Jian Chuan Li, the first mainland Chinese student



in South Africa, graduated with a PhD in the Science Faculty. His thesis focused on the development of a mathematical model to calculate three-dimensional stresses placed on the spine during lifting activities in industry. During the year Professor Houshang Shahnava from Lulea University, Sweden, visited the Department. He and Professor Pat Scott conducted the first International Labour Organisation/International Ergonomics Association-sponsored International Ergonomics Workshops in southern Africa. Four were run in South Africa and one at Jwaneng Mines in Botswana. The objective of this series of courses is to help identify problems in the working environment and to be able to take appropriate steps to improve occupational conditions.

Dr Warwick Sauer from the Sea Fisheries Research Institute, a squid and shark expert, joined the **Department of Ichthyology & Fisheries Science** as senior lecturer in July. Staff of the Department travelled extensively. Peter Britz, who was also awarded the PhD degree in April, was invited to Taiwan under the Bilateral Science and Technology agreement between Taiwan and South Africa and presented a paper on South African aquaculture. Professor Tom Hecht, head of department, and the Director of Information Technology spent three weeks in Belgium on the first phase of a collaborative multimedia programme between Ghent University and Rhodes University. The programme is developing multimedia coursework on aquaculture at the Honours and Masters level. The project received the final go ahead from the Flemish Minister of Education who visited Rhodes in October. Tom Hecht also visited Namibia to advise the Namibian Department of Fisheries on the developing orange roughy fishery there and visited Malawi and Mozambique to advise on the development of small-holder aquaculture and inland fisheries in these countries. He continues to serve on several national and international committees, including amongst others several FRD committees, chairman of SANCOR, the Sea Fisheries Advisory Committee and the Swedish based International Foundation for Science. Tim Andrew, the principal technical officer, launched an Anglo/De Beers-funded project on developing a community-based fishery in the Great Fish River. Tim serves on the Gough Island Wildlife Reserve Advisory Committee and this year Gough Island in the South Atlantic was declared a IUCN World Heritage Site. Martin Davies, apart from managing the fish farm, at the request of the Lesotho Highlands Commission disappeared into the Lesotho mountains to assess the fisheries potential of the highlands water scheme.

The Department also had a bumper crop of graduates. A total of nine honours, seven MSc and five PhD students graduated in 1996.

Major research support was received from the Foundation for Research Development, De Beers, Sea Plant Products, Liberty Life, the Industrial Development Corporation and Roche International.

Closer links between the **Department of Information Systems** and industry were forged in 1996 with the establishment of a number of industry-sponsored scholarships and awards.

Andersen Consulting have agreed to sponsor a medal and scholarship each to the best Information Systems second year and honours student, as have SUN Couriers for the best Information Systems third year student. Two further cash awards have been made possible by Mike Bergen and Associates and Alpha Limited for the best Information Systems honours systems development project and research

project respectively.

The scholarships are valued at R3 500-00 each and are intended for further study in the Department.

A new Media Lab opened in the **Department of Journalism & Media Studies**. This has enabled the department to pioneer the teaching of a new fourth-year level course and expanded third-year level course, as well as industry courses. The Department has developed "Gogga" as a metasearch engine for the SA press archives.

"P'jour 96", mounted by Mr Monty Cooper at Rhodes, was the first international photojournalism conference to be held in South Africa, and brought together more than 100 photojournalists, educators and students.

A coursework MA was launched with five students and new courses on ethics were launched at third and fourth/graduate years.

A pioneering online edition of the festival paper *Cue (i-Cue)* was produced along with 11 editions of print *Cue*, and a cybercafe operated during the Standard Bank National Festival of the Arts.

Training and facilities were provided for the *Grab* newspapers-in-education project, which operated through three groups of about 40 scholars from Grahamstown townships. Three computers were installed in the schools themselves.

Professor S E Rodabaugh, of Youngstown State University, Ohio, visited the **Department of Mathematics (Pure & Applied)** for three months at the beginning of 1996. While he was at Rhodes, substantial progress was made on one chapter each by him, Dr Burton and Professor Kotzé for a handbook on Fuzzy Sets and Applications, to be published by Kluwer International. One of the Masters students in the Department, Mr M Muraleetharan of Sri Lanka, is to go to Youngstown for PhD research under Professor Rodabaugh, while registered at Rhodes. It is hoped that this will be the start of extensive collaboration between the two universities. Professor Wesley Kotzé had an Oppenheimer Travel Fellowship for 1996, which enabled him to spend time as visiting professor in Lecca, Italy, Riga, Latvia and Osaka, Japan. While in Italy he also gave invited lectures in Bologna, Padua and Trieste. He also presented a paper at a conference in New Orleans, USA.

During the course of the year, the **Department of Divinity** changed its name to **Religion and Theology**, to reflect more accurately the realities of its teaching programme. The students responded immediately by redefining themselves as RATS, albeit divine ones. A three-year BTh followed, where desired, by a Graduate Diploma in Pastoral Theology was introduced.

There was increased collaboration between the Department





and other institutions. We have begun serious discussions with the Universities of Fort Hare and Port Elizabeth, aimed at forming a single School of Theology in the Eastern Cape, co-owned by the three institutions. With the Anglican College of the Transfiguration in Grahamstown, the Department has embarked on a project designed to overcome the alienation between the African Independent and "Mainline" churches in our area and co-operating with the AICs on matters of social relevance.

Professor Pieter de Villiers spent the second semester on sabbatical leave, researching the Pastoral Epistles and the book of Revelation and presented two papers at international conferences on his research. Professors Felicity Edwards and Brian Gaybba also presented papers on their sabbatical research at the annual SA Academy of Religion conference in July.

1996 was a year in which the Department of Social Work underwent a number of significant changes. Professor Bill Mitchell, who had served the Department for 16 years, left the University. The graduation of the 1996 cohort of fourth year students in Grahamstown marks the last time that the Social Work degree was offered on that campus. The Department on the East London campus is growing from strength to strength. Second, third and fourth year students will only be able to register in East London in 1997 while Social Work 1 is offered on both campuses - this brings to completion the phased transfer of the Social Work degree to East London. For the first time the Department accepted nine students for a Masters degree by coursework and thesis. This development makes the Rhodes University Social Work department the only University offering legal social work as a Masters course work option and brings the Department into line with other Universities in the country that offer course work programmes at Masters level. Three new members of staff were appointed at the end of the year and Mrs Felicity Coughlan was made Head of Department. There were two main highlights for the Department of Sociology and Industrial Sociology. The first was the publication of a book, *'Reconstruction, Development and People'* edited by Professor Jan Coetzee and Johann Graaff with contributions from Gilton Klerck, Monty Roodt and Geoff Wood. The second was the launch of the *African Sociological Review*, a new continent-wide journal, incorporating the old *South African Sociological Review*. It is published by the Council for the Development of Social Science Research in Africa (CODESRIA), with headquarters in Dakar, and edited by Fred Hendricks and Jeff Lever.

### Research and other affiliated organisations

The pre-school division of the Centre for Social Development showed tremendous growth in training. The training lasts for three years and certificates will be awarded by the Faculty of Education to successful candidates. The GADRA matric school received an excellent 98 percent subject pass rate in the November

examinations and the GADRA Commercial Centre opened its Computer Centre during the course of the year. Students will benefit from this as well as Grahamstown residents who enrol for Computer Literacy courses.

The Nutritional Development programme continues to serve 2 000 deprived rural children with two cooked meals each day, delivered to over fifty rural stations.

During the year the CSD awarded 504 bursaries worth over R500 000 for tertiary studies to disadvantaged students in the Eastern Cape and Grahamstown. During the same period, the CSD raised over R2 m for its work.

1996 saw the publication in the United Kingdom of the 850-page *'Dictionary of South African English on Historical Principles'*, which had been in preparation in the Dictionary Unit for South African English since 1970. The book was launched at South Africa House in London on August 22, and launches were also held in Cape Town, Durban, and Grahamstown during September. The guest speaker at the Cape Town launch was Dr Frene Ginwala. The book has received international press coverage, and favourable reviews. A collector's edition of 100 leather-bound copies, signed by President Mandela, was also produced, each copy representing a donation of R500 to the Nelson Mandela Children's Fund.

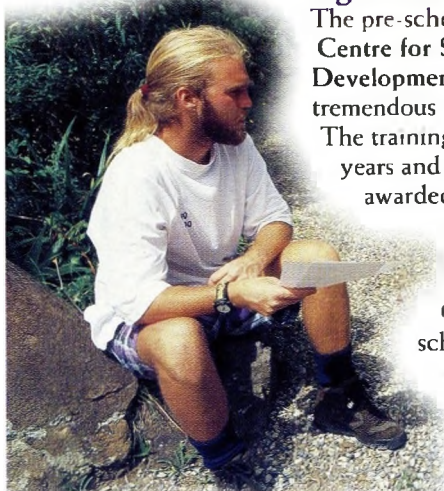
In July the Unit was visited by Mr Edmund Weiner of the OUP in Oxford. Mr Weiner was Co-Editor of the second edition of the 20-volume *'Oxford English Dictionary'* and has been honorary consultant to the Unit since 1987. As well as leading seminars on historical dictionary-making for the Unit staff, Mr Weiner delivered a paper at the Grahamstown Festival Winter School, together with Mrs Penny Silva, Director of the unit.

The Institute of Social and Economic Research held a highly successful conference in January entitled *'Changing Patterns of Settlement and Resettlement in Southern Africa'*, under the joint auspices of the ISER and the International African Institute (London). It was attended by delegates from the United Kingdom, the USA and seven southern African Countries. The proceedings are to be published by the Edinburgh University Press.

In April a successful two day workshop was organised in conjunction with the Transitional Rural Council in the Peddie District. The theme was *'Land Use and Development Planning in the Peddie District'*. The workshop was attended by more than fifty people including Provincial Government Departments and Ministries, NGOs, CBOs and researchers from Rhodes and Fort Hare Universities.

The Director, Professor Patrick McAllister, published (with E Wilmsen eds.) *'The Politics of Difference: Ethnic Premises in a World of Power'* Chicago University Press, 1996. At the end of the year Professor McAllister resigned to take up an appointment at the University of Western Cape.

The Director of the Institute for the Study of English in Africa ran an all-day seminar on *'New Approaches in Teaching Literature'* for senior subject advisors, inspectors, teacher-trainers and other educators in the North-West Province. The event, attended by 135 delegates, was preceded the night before by a dinner, which gave the Director the opportunity to brief educational officials on some of the different ways in which emerging educational policy can be translated into enterprising practice in the South African literature classroom. The drama component of the seminar focused on the Shakespeare Series, and it is hoped that the enthusiastic response from practitioners leads to substantial prescriptions in the North-West. Publication of the series is proceeding on schedule, with *'The Merchant of Venice'* and





"Twelfth Night" being the latest due for publication.

The Institute is also heavily involved in the N-preliminary programme of the Education and Training Programme leading to a career path in the Footwear Industry, which is in place at LIRI Technologies. The programme is premised on the need for sustainable and flexible human resource development in the industry and can be seen as contributing to the overall strategy envisaged by the Reconstruction and Development Programme.

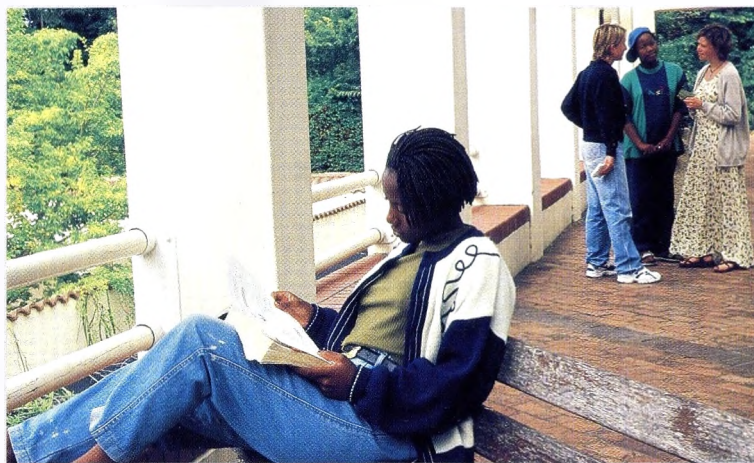
The Institute for Water Research has had a very intense year, with three of the hydrology projects, sponsored by the Water Research Commission (WRC), successfully completed and final reports having to be prepared for submission and review. These have now been replaced with two new projects; one of which will continue with the work on the development of a Decision Support System for Rural Water Supply Planning (two years) and one on the application of daily streamflow analysis and simulation techniques in Southern Africa (three years). Earlier in the year, five major reports were submitted to the WRC for publication by the Ecology section. In addition to the normal research project work, staff of both the Hydrology and Ecology sections have been involved in numerous consultancy projects which have boosted the Institute's finances, but have also resulted in a great deal of work pressure for all staff.

Dr Carolyn Palmer continues to be involved with the Water Law Review Panel and has been appointed to the Minister's Steering Committee and National Water Advisory Council to further manage the review process and contribute to drafting the new legislation. Professor Jay O'Keeffe continues in his role as President of the Southern African Society of Aquatic Scientists, while Professor Denis Hughes has been appointed to the SA National Committee of the International Hydrological Programme of UNESCO. The year 1996 marked the 50th anniversary of established ichthyology at Rhodes University and the highlights of the activities of the J L B Smith Institute of Ichthyology reflected this milestone. A new Council was appointed by the Minister of Arts, Culture, Science and Technology in April. The Council included the Vice-Chancellor, Dr David Woods, who was elected Chairman at the first meeting, as well as a number of University staff, most of whom were serving their first term.

The anniversary was celebrated by holding a special arts exhibition titled "Abantu Kunye Nentlanse/People and Fishes" during the National Arts Festival in July. The exhibition was opened by Mr R Jardine, the Director General of the Department of Arts, Culture, Science & Technology. A colourful poster commemorating the anniversary was also produced and a special volume of the Transactions of the Royal Society of South Africa is being prepared. Much attention was given to reviewing the relationship between the Institute and the University, and to the restructuring and rationalisation of museums in the new South Africa. A number of prominent scientists visited during the year from Costa Rica, Kenya, Australia and Brazil, among others.

Research activities have involved 10 marine, 11 estuarine and seven freshwater projects as well as a number of contract projects. Institute scientists are producing three books, on the fishes of the Western Indian Ocean, a field guide to the marine fishes of southern Africa and the biology and ecology of estuarine southern African fishes.

The Johnson & Johnson Leadership Development Institute (formerly ISIDA), at the East London campus of the



University will offer a three-year diploma in Manufacturing Management (DMM) in 1997. The DMM represents a co-operative educational venture between Rhodes University and the University of Technology, Sydney (UTS) in Australia. As a course which integrates business strategy with manufacturing strategy, it is the first of its kind in South Africa and represents the first stage of the implementation of the University's strategic plan for the development of technology-related courses on the East London Campus. The creation of the J&JLDI in 1996 signifies the University's recognition of the need for the development of leadership capacity within all sectors of the South African economy. There have been exciting developments in the LIRI Technologies "Shoe Train" programme which is now up and beginning to produce results. The Director of LIRI, Professor Peter Rose, has been appointed as the University's Professor of Biotechnology - a sign of our commitment to this important field of research and training.

At the end of 1996, the Continuing Education Centre was completed, with 24 rooms for trainees or conference delegates. The CEC, which is behind Piet Retief House, has a well-equipped conference room and has been designed so that it can expand in size as funds become available. It will be constantly in use for LIRI courses, as well as for university conferences and seminars.

The Southern Ocean Group has launched a major new oceanographic research programme based around Marion Island. The programme is funded by the Department of Environmental Affairs and Tourism and forms part of the South African National Antarctic Programme. The Prince Edward Islands are home to some of the largest penguin rookeries in the world and support a spectacular wildlife of millions of seabirds, seals and sea-lions. Apart from the possibility of exploiting some of the fish and prawn stocks around the island, there is huge potential for eco-tourism. The main objective of the new five-year programme is to provide scientifically based information on the ecosystem to the Management Structure of the Prince Edward Islands. This will allow the development of informed conservation policies.

The programme involves annual research cruises to the islands in collaboration with the Ocean Climatology Research Group at UCT. This gives unique scope for training graduate students in the field of biological oceanography. At present Rhodes is the only university in South Africa where the biology of the Southern Ocean is studied. Future plans include a joint international cruise to Antarctica next summer with scientists from Sweden, Norway and Finland and a second collaborative Antarctic cruise with New Zealand scientists the following year.



## Academic Support Services

Following a thorough evaluation of academic development functions Senate approved the establishment of an **Academic Development Centre**. The Centre has responsibility for co-ordinating academic staff development, providing student language and learning support services and maintaining its school link programme. The Centre hosted a number of prominent international visitors in 1996 and has been awarded a major grant under the Australia-South Africa links programme to work with other Eastern Cape tertiary institutions and the University of Southern Queensland on staff development programmes.

As part of the restructuring of academic development at Rhodes, discipline specific programmes, such as the Commerce Foundation Programme, have been fully



integrated into the Faculties and Departments and the Computer Based Education Unit has been integrated into the new Information Technology Division.

Significant progress was made during the year in the move towards digital imaging and the development of the **Electron Microscopy Unit's** digital micro-imaging network. Although conventional photography is unlikely to be superseded completely by digital imaging techniques in the near future, priority is being given in the EM Unit to ensure that it continues to be internationally competitive in its moves in this direction.

During the year, Mr Robin Cross, Director of the EM Unit, attended the Sixth Asia-Pacific Conference on Electron Microscopy in Hong Kong and the XIth European Congress on Microscopy in Dublin where, in addition to reporting on the development of the micro-imaging network and his work on biodeterioration of ostrich skins, he led South Africa's bid to host the XVth International Congress on Electron Microscopy in 2002.

The major event of the past year in the **Information Technology** arena at Rhodes has been the conversion of all our administrative computer systems onto a SUN Microsystems server, which has replaced the aged Control Data Cyber mainframe. The Cyber served Rhodes well for many years since its installation in 1984, but lacked more modern data processing facilities.

Another significant development was the completion of the Phase II fibre optic network wiring project, which, together with the existing fibre backbone, now covers nearly all of our Grahamstown campus, and connects almost all departments to the Rhodes network, and also, of course, to the world-wide internet. Early in 1996 our network was divided into a number of segments using a state-of-the-art

switching hub, which increased network performance and availability dramatically. Significant expansion has also begun at our East London campus network, which is linked to the Grahamstown campus backbone.

Rhodes was the first South African university to install a dual internet service during 1996, with one link to the universities network, and the other to a commercial internet service provider, thus providing a cost-effective and resilient internet service.

The Information Technology division, in collaboration with some academic departments, recently embarked upon a joint coursework development project with the University of Ghent in Belgium. This initiative is using the traditional course development techniques and combining them with world-wide-web technology, thus making local or remote electronic delivery of course material, supplemental to traditional delivery methods, possible.

The **Rhodes Library** continued to break new ground in the innovative application of information technology. We can now source and download bibliographic records from various databases as well as e-mail data from our system.

This has increased our throughput, considerably reducing the time it takes to process materials from ordering to reaching the shelf. Furthermore, the introduction of subject codes in our database enabled us to change the format of the New Accessions Bulletin from one large monthly printed list of all new material to smaller individualised lists of material acquired by, or of interest to, each department. These lists are distributed to members of staff electronically at the end of each month. This new service was greatly welcomed by the University community.

A significant development at the tail end of the year was the provision of a twenty four-hour, seven-days-a-week study room on the ground floor of the main library building. The Vice-Chancellor approved the request of the Students' Representative Council (SRC) for an overnight study facility, and it was put in place early enough for students to be able to use it for their preparation for examinations. This will enable students to study outside library hours. Students hailed the availability of the facility, and it was heavily used. The University Librarian, Mr Felix Ubogu, undertook a study visit to libraries in the United States of America in August. The purpose of the visit was to study the use of information technologies in libraries/information centres and obtain information that would assist in planning for library services in the University.

## Student Affairs

### Student Counselling and Careers Advice

Some students do not achieve their potential for reasons other than intellectual or academic. Psycho-social pressures are experienced by students who are required to adapt to University life, often away from home for the first time, the academic demands and planning an appropriate degree that will support them as they move into the world are added to the normal difficulties of living in a changing society.

The Student Adviser's Office, with the SRC Counselling Service and working closely with other services, provides a professional counselling service to all members of the University community.

Assistance is provided in choice of degree courses and with making the degree marketable. An extensive career library, regular career and job search workshops, a vocational testing service and the annual Graduate Placement Programme, during which employers visit Rhodes to recruit students,



combine to enable students to market themselves appropriately.

Short-term psychotherapy and counselling is provided for a full range of emotional and psychological problems and a 24-hour crisis service is arranged with other campus services. Academic and residence staff are supported in their dealings with students by the counsellors.

#### **The Residences**

These continue to be a vital component of the Rhodes community. In 1996 there was an increase in the number of female undergraduates needing residence accommodation, with a small decrease in male undergraduates. Therefore Adamson House was converted to a female residence.

A comprehensive study was made of the feasibility of outsourcing residence catering. This study, in which students participated fully, finally recommended that the catering should continue to be done by the Rhodes Housekeeping and Catering section.

Changes initiated by Dr Woods saw students participating in the appointment or re-appointment of all wardening staff. The residences were used for conference and Festival accommodation during the year and generated a tidy income which is used to subsidize the cost of running them.

#### **The Sanatorium**

Rhodes is one of few tertiary institutions in the country which offers a 24-hour in-patient facility for students. A dedicated team of nurses attend to the medical (and often emotional and psychological) needs of Rhodes students. A local doctor offers his services to students and service staff at a nominal fee. During 1996 a family planning/contraception clinic, pregnancy testing and HIV/AIDS testing facilities were introduced.

#### **Student Financial Aid**

This office administers scholarship, bursary and loan funding from outside donors and the University. Eighty-nine percent of the funding was allocated to black students during 1996. During the year some important policy decisions were made by the Financial Aid Committee. In consultation with the SRC, the Committee finalised a financial aid policy guidelines document. An Appeals Committee has been set up, which allows any student to appeal against the decision of the Financial Aid Committee. This allows for accountability and ensures that any student who feels aggrieved has the right to be represented and heard.

#### **Rhodes Sport**

This was an excellent year for Rhodes sport. Our teams and athletes achieved considerable success at local league, provincial, national and international levels. At senior provincial level, 28 Rhodes students were selected for A teams and 17 for South African student teams. Several students have travelled beyond our borders representing the

University or national sides. Joey Simpson and Nicola Davies represented Zimbabwe in the lightweight pairs division at the World Rowing Championships, reaching the final and placing sixth in the world. Rob van Selm travelled to Poland with the SA U21 hockey team for a six nations tournament. Adam Sargent was selected to cycle for Zimbabwe at the Tour de Mauritius, where he was placed ninth in the U23 division and 28th overall. Melanie Theck and Arne Hansen represented the SA Student Tennis team at the Africa Zone Six student championships in Malawi and returned undefeated. The men's rowing VIII toured to Henley-on-Thames where they competed in the Henley Regatta.

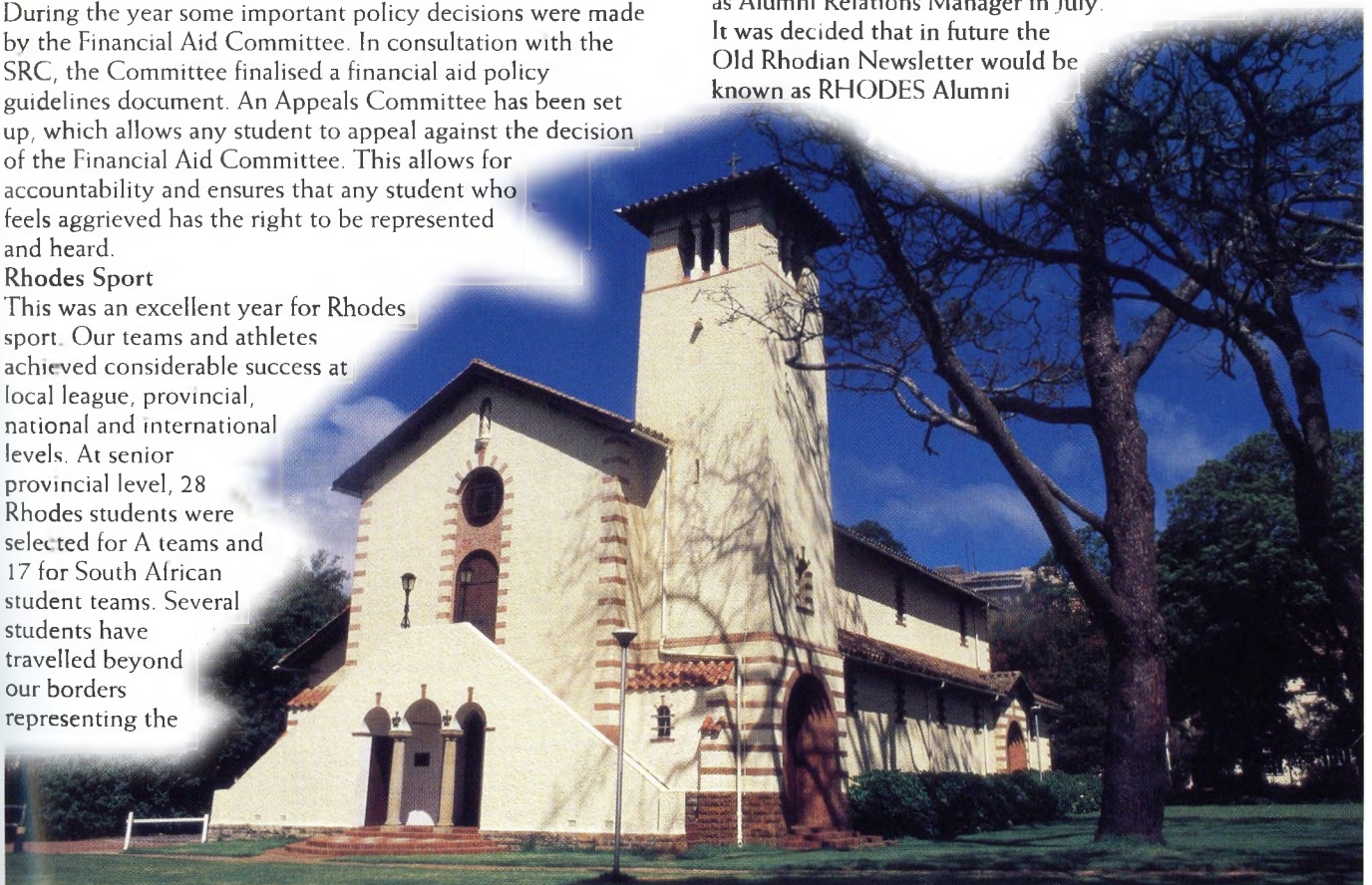
Sport continues to give students opportunities to develop management skills as they organise and administer the 28 clubs. Their involvement in the sports development programmes on campus and in the community gives scope for further development of interpersonal life skills.

The recent completion of numerous sports facilities on campus, including a weight-training facility, ergo-training gym, beach volleyball court and climbing wall, means that Rhodes sport should go from strength to strength in 1997.

#### **Marketing & Communications Division**

This Division changed its name from Public Relations and Development at the beginning of the year and was divided into several sections, with a number of new staff members. Ndimiso Nongwe and Kate Benyon joined Mike Ginn in the Student Recruitment office and had a successful and busy year. Jenny Purdon, Shelly-Mae Samuel and Michael Marangxa joined forces to form the new Conferences and Campus Events section, devoted to marketing the University as a conference venue, looking after visitors to the University and arranging conferences. Siyanda Manana and Linda de Klerk run the Capital Development office and Lisl Griffioen Paterson, a Rhodes graduate, joined the University as Alumni Relations Manager in July.

It was decided that in future the Old Rhodian Newsletter would be known as RHODES Alumni



Newsletter, and would be published in March and August each year instead of July and December. In August the 'new look' alumni newsletter was sent to 22 000 alumni all over the world and in December they were sent the brochure commemorating Dr Woods' inauguration as Vice-Chancellor.

Reunions were held in Queenstown, Port Elizabeth, Grahamstown, Johannesburg, Durban, Cape Town, George, Bloemfontein, Kimberley and London. Dr and Mrs Woods attended all except the reunion in London, which was attended by Dr and Mrs Smout. All of these showed the biggest attendance ever. Branches are being planned or re-activated in Australia, Canada, Pietermaritzburg and Cape Town.

The Communications section, with Mary Burnett, Chris Walwyn, Nimitta Masilela and Julie Gibson devoted a great deal of attention to phasing in the new corporate identity programme during the year.

Towards the end of the year the Rhodes Gauteng Office moved from rather out-of-the-way offices in Rosebank to 51,

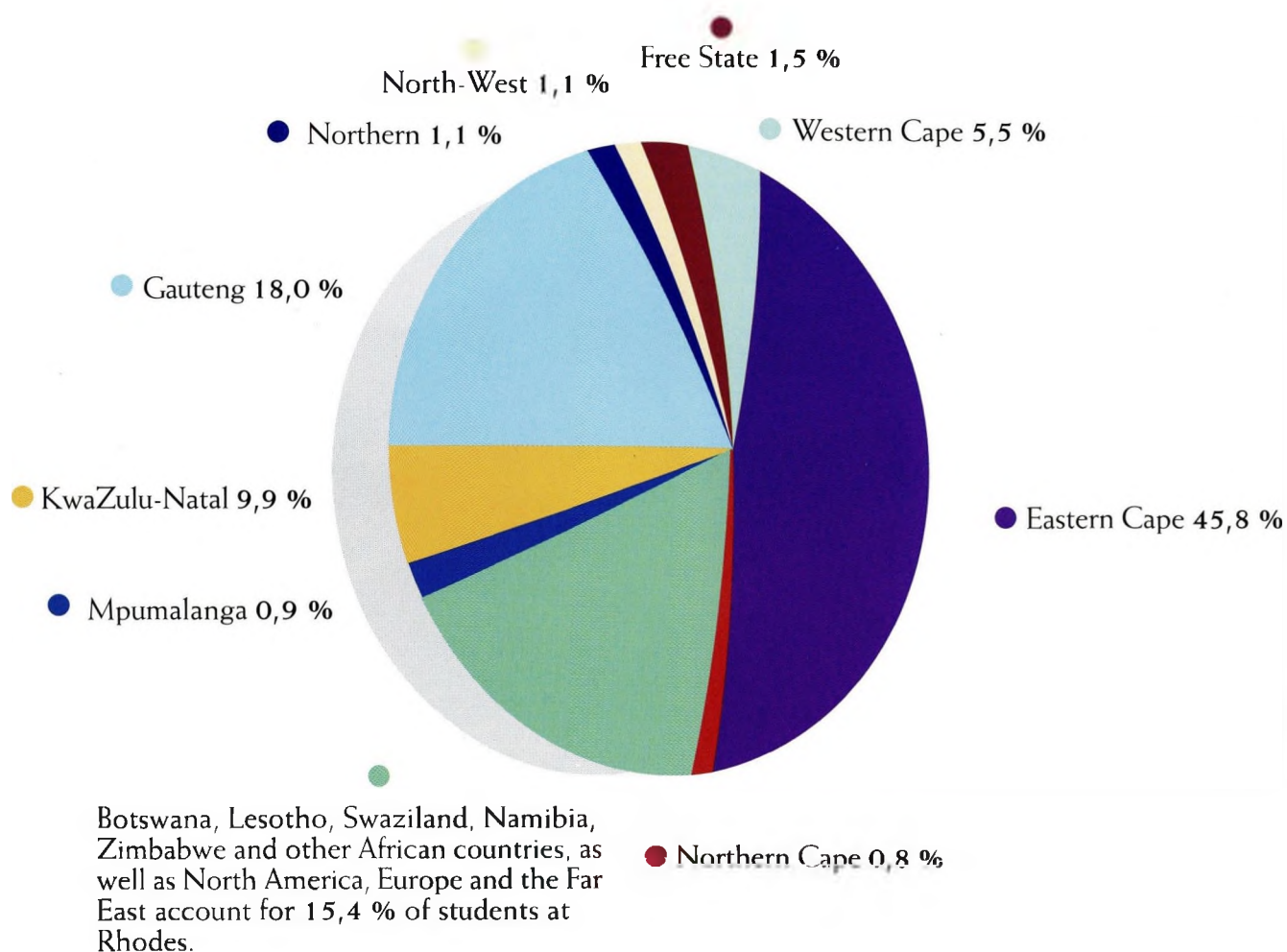
7th Avenue, Parktown North, now known as Rhodes House. Apart from providing space for student recruitment and liaison services, the house also has a seminar room and two rooms which can be used on a bed and breakfast basis by staff visiting Johannesburg. This has enabled Sue Norval, Helene White and Rose Ridgewell, our Gauteng staff, to offer a much more comprehensive service to prospective students, students and their parents, as well as visiting staff members.

Dr David Woods



Vice-Chancellor

## Geographical Origins of Rhodes Students





## Academic Awards for 1996\*

The University awarded 1252 degrees, diplomas and certificates for the year ended December 1996

	ARTS	COMMERCE	EDUCATION	LAW	PHARMACY	SCIENCE	SOCIAL SCIENCE	TOTAL
<b>Undergraduate Diplomas and Certificates</b>								
1996	3	-	145	-	-	7	2	157
1997	-	-	194	-	-	6	6	206
<b>Bachelors degrees</b>								
1996	278	165	22	1	55	92	60	673
1997	272	180	18	-	47	79	39	635
<b>Graduate Diplomas and Certificates</b>								
1996	26	38	49	-	-	-	6	119
1997	20	36	51	-	-	-	4	111
<b>Second degrees</b>								
1996	94	20	55	42	-	75	22	308
1997	103	17	9	48	-	70	14	261
<b>Masters degrees</b>								
1996	30	-	18	-	-	28	4	80
1997	6	1	-	-	3	16	-	26
<b>Doctorates</b>								
1996	7	-	1	3	-	17	1	29
1997	3	-	1	-	1	8	-	13
<b>Total Diplomas and Certificates</b>								
1996	29	38	194	-	-	7	8	276
1997	20	36	245	-	-	6	10	317
<b>Total degrees</b>								
1996	409	185	96	46	55	212	87	1 090
1997	384	198	28	48	51	173	53	935
<b>Total awards</b>								
1996	438	223	290	46	55	219	95	1 366
1997	404	234	273	48	51	179	63	1 252

\*As this report is printed before Graduation in April 1997, there may be changes to these awards. Final figures will appear in next year's report.

## Rhodes University Financial Report

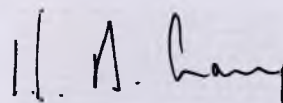
The attached summarised operating statements for the University and the Residences reflect the breakdown of significant income and expenditure components. The declining contribution from State subsidies is reflected once again in these financial statements. The contribution has been reduced only by a small fraction but has had a substantial impact on the proportion of income from student fees. Insofar as expenditure is concerned it is of some concern that the amount allocated for Academic and Research items remains relatively low. The infrastructural equipment of the University is sound but ageing. The academic capital equipment needs of the University continue to increase but acquisition becomes more difficult due to the declining value of the South African currency. Most, if not all, of the scientific equipment required for research and teaching purposes in the University is imported. The University continues to monitor expenditure tightly, and has had to pay more attention to debt and fee collection. The total student debt at the end of 1996 is approximately R800 000 out of total fees due by students of R52m. This relatively low rate of student debt is due to a combination of procedures to contain or reduce student debt and the introduction of a National Student Financial Aid

Scheme supported by the Central Government through the Tertiary Education Fund of South Africa.

As far the residences are concerned, they again reflect a "break square" position as they are run on a self-funding basis. A notable reduction in proportion of costs, is the cost of food, which reflects more accurately the cost of food consumed by students. This is due to the computerised meal booking system. The cost of residence remains a substantial portion of the fee payers' obligation to the University but is favourable when compared with those charged by the University's competitors.

In addition to the funds reported on in the accompanying summarised operating statements, the University administers more than R20m per annum by way of funds available for research, externally funded financial aid, commercial contracts and other various extension services.

H A Long



Registrar (Finance)

# Summarised Operating Statements

## University

	1995		1996	
	R millions	%	R millions	%
<b>Income</b>	91.3	100	102.6	100
Government subsidies	56.4	61.8	62.7	61.1
Student Fees	29.0	31.7	33.2	38.4
Investment income	3.8	4.2	4.3	4.2
Other	2.1	2.3	2.4	2.3
<b>Expenditure</b>	91.3	100	102.6	100
Academic	43.2	49.3	49.6	48.3
Research	1.8	2.0	1.8	1.8
Library	4.4	4.8	5.5	5.4
Student affairs	1.3	1.4	1.5	1.5
Operating expenses	9.0	9.9	10.7	10.4
Administration & computing	9.6	10.5	12.2	11.9
Estates	15.7	17.2	15.5	15.1
Bursaries	3.5	3.8	3.1	3.0
Interest & Redemption	2.7	3.0	2.7	2.6
Other	.1	.1	-	-

## Residences

	1995		1996	
	R millions	%	R millions	%
<b>Income</b>	17.7	100	19.2	100
Residence fees	15.6	88.1	16.8	87.4
Other	2.1	11.9	2.4	12.5
<b>Expenditure</b>	17.7	100	19.2	100
Food	4.9	27.7	4.7	24.4
Staff costs	5.2	29.4	5.7	29.7
Power & water	1.8	10.2	1.6	8.3
Maintenance & replacements	2.9	16.4	4.3	22.4
Loan interest & redemption	.8	4.5	.8	4.7
Other	2.1	11.8	2.1	10.9



## Enrolment for 1996, Grahamstown and East London

	ARTS	COMMERCE	EDUCATION	LAW	PHARMACY	SCIENCE	SOCIAL SCIENCE	TOTAL
<b>Undergraduates</b>								
1995	1 239	914	252	5	407	466	358	3 641
1996	1 308	1052	344	3	384	466	328	3 885
<b>Graduates</b>								
1995	295	67	179	112	8	280	74	1 015
1996	316	78	187	105	8	256	76	1 026
<b>Total</b>								
1995	1 534	981	431	117	415	746	432	4 656
1996	1 624	1130	531	108	392	722	404	4 911

## Rhodes University Foundation Treasurer's Report for 1996

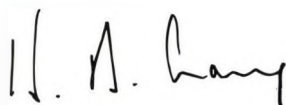
The interest-bearing investments of the Foundation yielded substantially higher returns than has been the case in prior years. In addition, the total income increased from R4,944m to R7,141m resulting in an increased sum retained by the Foundation for reinvestment. The support provided by the Governors of the Foundation to the University increased by more than 20% during the year under review from a figure of R3,5m to R4,3m. These funds were applied towards capital projects and/or student support from funds committed specifically for that purpose.

Amounts received from donors do not form part of the income in the adjacent statements but are handed intact to the Foundation for investment. During the year under review the donations received totalled R1,3m of which about two-thirds were committed for specific purposes.

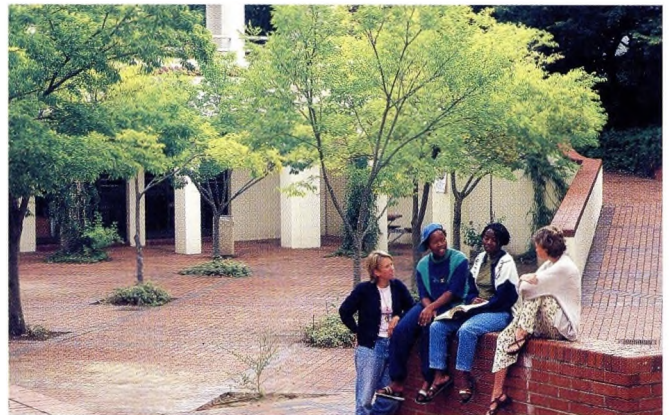
The funds are managed by AGIC Ltd under the supervision of the Foundation's Investment Committee. AGIC Ltd operates within prescribed investment parameters determined by that committee. The policy is to invest conservatively in sound share and interest-bearing investments. These criteria for investment are reviewed on a quarterly basis.

The Foundation's value increased from R71,6m to R80m, of which R1,3m was new money donated to the Foundation. The Trustees of the Foundation, particularly those members on the Investment Committee, continue to give unselfishly of their time, for the benefit of the University and the Foundation. This substantial contribution is recognised with gratitude.

H A Long



Treasurer



# Rhodes University Foundation

## Financial Statements

### Summarised Balance Sheet (At market values)

	R thousands 1995	R thousands 1996
<b>Fundholders' capital employed</b>		
Foundation	40 858	45 313
University & others	30 764	34 771
	71 622	80 084
<b>Employment of capital</b>		
Investments & cash	75 026	80 056
Accounts receivable	420	974
	75 446	81 030
Accounts payable	3 824	946
	71 622	80 084

### Summarised Income Statement

	R thousands 1995	R thousands 1996
Income from investments	4 944	7 141
Dividends	2 003	1 757
Interest	2 895	5 309
Other	46	75
Less expenses	582	745
Net income	4 362	6 396
Less: Distributed to and expended for the benefit of Rhodes University and its bursary funds	3 500	4 300
Retained for re-investment	862	2 096

### Bursaries, Scholarships and Loans

	R
Awarded by the University from donations or from own funds	1 961 971
Awarded to students by outside bodies	8 898 839
Awarded by Central, Provincial and local Government	158 134
Loans from Rhodes	104 475
Tertiary Educational Fund for South Africa loans	2 752 356
ODA/Tertiary Educational Fund for South Africa	624 270
Steve Biko	21 120
<b>Total</b>	<b>14 524 165</b>





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