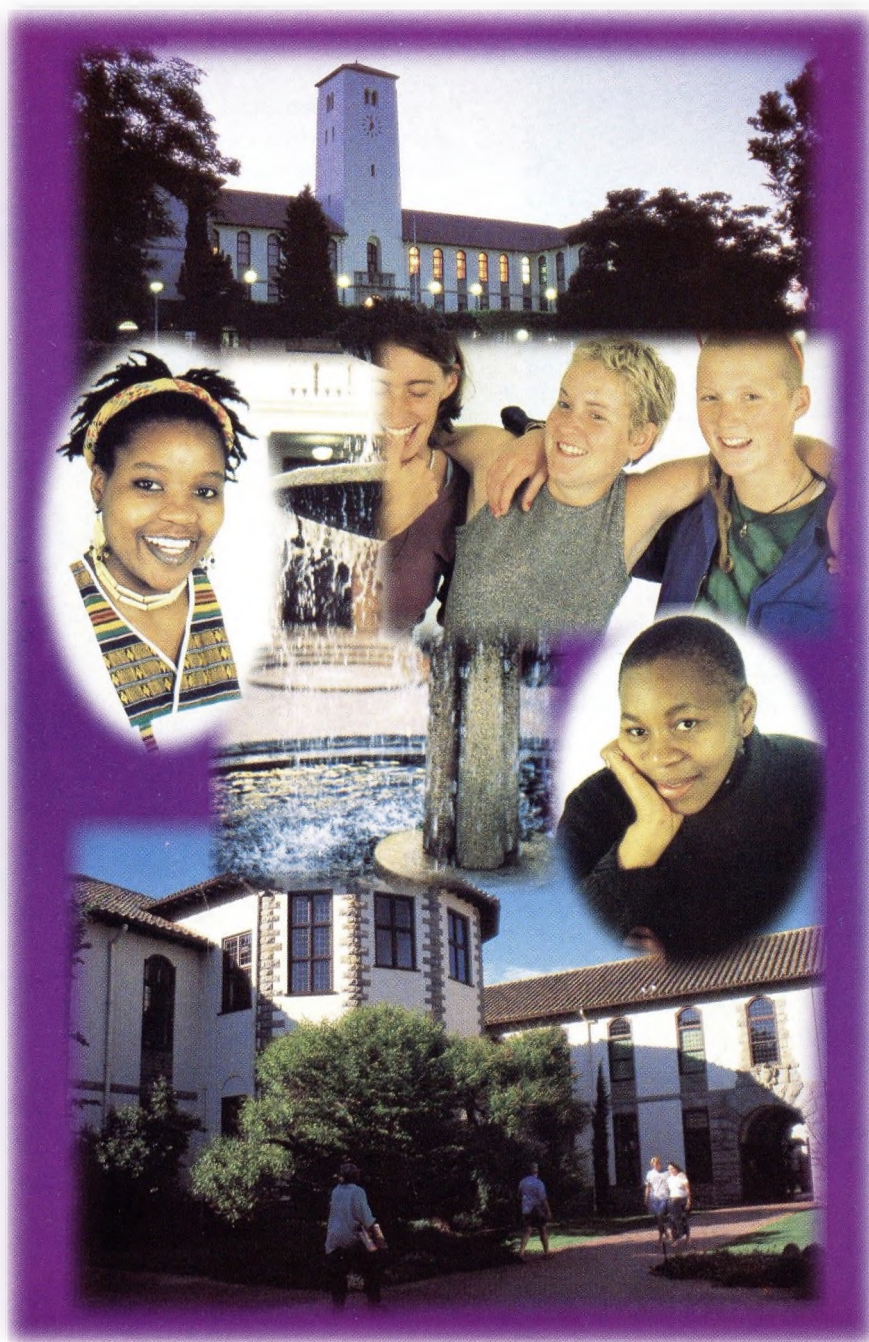


RHODES UNIVERSITY

Grahamstown • 6140 • South Africa



1997

Vice-Chancellor's Annual Report

Rhodes 1997

Founded: 1904

Total number of registered students: 4935

In Grahamstown: 4162

In East London: 773

Undergraduate: 3908

Postgraduate: 1027

Black: 1602 (33%)

"Coloured": 202 (4%)

Asian: 499 (10%)

White: 2632 (53%)

New Undergraduates

Black: 36%

"Coloured": 6%

Asian: 12%

White: 46%

Men: 2297

Women: 2638

Students in Residence: 2111

Academic staff:

Grahamstown: 292,

East London: 52,

Total: 344

Student/Staff ratio: 11.3:1

Halls of residence: 8

Residences: 36

Grounds: 204 Hectares



Mr Jonathan E Walton

Mr Neville E Woollgar (Vice-Chairman)

In attendance:

The Registrar

The Registrar (Finance)

The Director of the Estates Division

The Director of the Personnel Division

The Director of the Marketing & Communications Division

The Director, Rhodes University, East London

The Dean of Students

Observers:

Mrs Mary C Allen (non-academic)

Professor Billy T Futter (non-professorial)



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 John H Badenhorst

Mr Peter J Bennett

Mr Terry Briceland

Professor Mike E Brown

The Revd Glen S Craig

Professor Vivian A de Klerk

Mr Sidney R B Finlayson

Ms Jennifer A Hartel

Professor H Randall Hepburn

Mr Trevor T Long

Professor Ian A Macdonald

Bishop Anthony T B Mdletshe

Dr Koogan H Moodley

Mr Errol K Moorcroft

The Hon Mr Justice Lex Mpati

Mr Wayne M Munro

Mr Chris Murray

Ms P N Njoli

The Hon Speaker Gugile E Nkwinti

Professor Lambe Parolis

Mr Brian S Rayner

Mr Rory B Riordan

Mr Thomas C S Tagg

Mr W Trevor Wait

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

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Rhodes University Foundation The Board of Governors

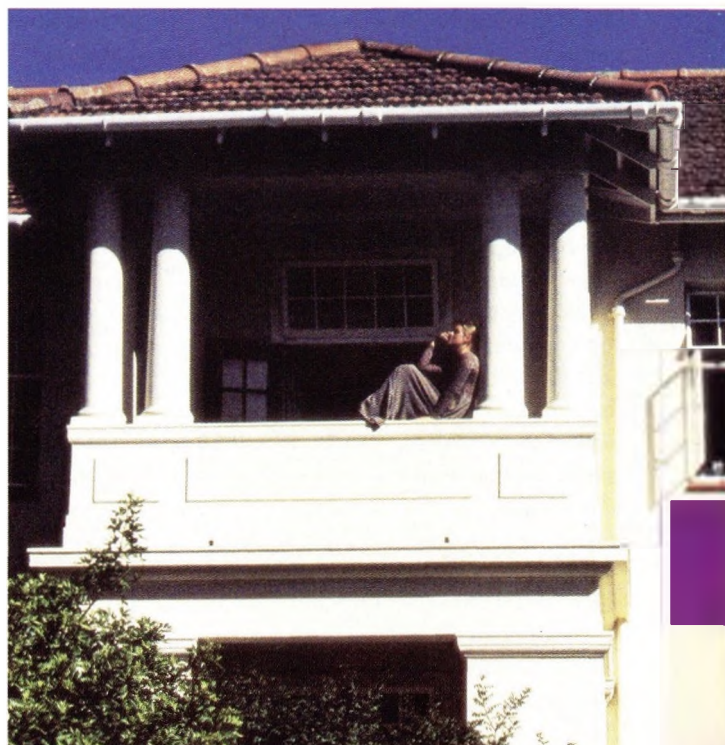
The Board of Governors of the Rhodes University Foundation administers capital funds donated to Rhodes University, investing general donations and its own surplus income in a portfolio of shares and interest-bearing investments. These provide capital growth and income for the University for research, 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 C de Bruin
 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
 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 A Macdonald
 Commerce: Professor Philip van der Watt
 Education: Professor Patrick R Irwin
 Law: Professor J Rob Midgley
 Pharmacy: Professor Beverley J Wilson
 Science: Professor H Randall Hepburn
 Social Science: Professor Christopher R Stones
 Dean of Research: Professor Lambe Parolis
 Dean of Wardens: Mr Michael J Oelschig



Research Institutions and other Affiliated Organisations

Academic Development Centre, including the
 Computer-based Education Unit
 Albany Museum
 Biopharmaceutics Research Unit
 Centre for Social Development
 Dictionary for South African English Unit
 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

1997 was an important year for Higher Education in that the new Higher Education Act was signed into law on 19 December 1997. This act has far-reaching implications for universities as it will involve the establishment of a single, co-ordinated higher education system which provides for programme-based higher education. Central to the Act is a new funding system based on three-year rolling plans and involving accurate predictions of numbers of students at each level in each programme.

To prepare for the new environment a great deal of academic and administrative planning took place during 1997. The Academic Planning and Staffing Committee (APSC) was responsible for the extensive academic planning exercise which involved the production of accurate statistics (student and staff numbers, performance indicators, finances and costs etc.), departmental reviews, followed by the first report of the APSC to a special Senate. Responses were invited and considered by the APSC before the final report went to the Faculty Boards, Senate and Council. An encouraging outcome of the academic planning exercise was that the total number of academic staff is about right but that it is skewed with some under-resourced and some over-resourced departments. About 18 posts had to be saved in areas with few or declining numbers of students (Languages, History, Religion & Theology, Physics) and transferred to rapidly expanding disciplines (Computer Science, Information Systems, Journalism, Accounting, Economics, Management) and new disciplines (undergraduate courses in Environmental Science and Ichthyology and Fisheries Science).

The small language departments, African Languages, Afrikaans & Netherlandic Studies, Classics, French and German, which were not viable on their own, have been combined to form a School of Languages with a saving in

staff. The new School will still offer the same breadth of language courses. The APSC recommended the closure of the Department of Religion & Theology, but Senate and Council delayed the final decision by a year to allow the Methodist Church to decide on which university it would send its students for training. At present, Methodist students are spread between four institutions, with the result that no one department is viable.

To facilitate an interdisciplinary approach and to eliminate unnecessary regulations, the Faculties of Arts and Social Science have been combined to form the Faculty of Humanities with a full-time Dean. As well as administering the largest faculty, the new full-time Dean, Professor Ian Macdonald, will be responsible for strengthening existing academic programmes and designing new programmes. The post of a full-time Dean of Research is to be established with the aim of increasing research output and postgraduate student numbers and raising the research profile of Rhodes both nationally and internationally. Better marketing of research expertise should result in more research contracts and higher subsidy income from postgraduate registrations.

The Academic Review process identified specific staffing needs on the East London Campus. It is encouraging that the East London Campus is making the transition from a 'branch' to a 'campus' and is developing a postgraduate and research ethos and capacity.

An important statistic in academic planning is the student : staff ratio. The present average ratio is 11.3 : 1 which is economically unsustainable, and the APSC recommended a shift to 14 or 15 : 1. Even with this shift Rhodes would not only have the best staff : student ratio in this country, but better than Britain where norms for the humanities are 22 : 1 and for the sciences 18 : 1.

The review of administrative divisions followed the same pattern as the academic review process and involved self evaluations and reporting to the Review Committee. The main aim of the review is to examine the effectiveness and efficiency of each division and the use of University resources. As the review was started in the latter part of the year it is incomplete and will require several more months before final recommendations are submitted to Senate and Council.

Major decisions were made regarding the physical development of both the Grahamstown and East London Campuses. In Grahamstown the go ahead was given to the Eden Grove Building to house the Cory and NELM Libraries, a media centre, two large, state-of-the-art lecture theatres, six flexible seminar rooms and display area. The Eden Grove Building will form an important link between the Main Campus and the St. Peter's Campus. The building of a 115-place computer laboratory on the ground floor of the Arts Block will enhance the teaching of computer-based subjects and increase the access of students to the Internet. The decision to construct an Astroturf hockey field in the middle of the Prospect Athletic Track will provide a major



sporting facility for our students and the schools of Grahamstown. The Continuing Education Centre was opened early in 1997 and has proved a popular venue for small conferences, workshops and seminars, as it can accommodate 24 people in rooms with their own toilet facilities.

In East London we purchased and refurbished the Saunders and Wium Building and now own the entire block except



for the Anglican Church at the western end of the block. A generous donation from Mr K Birch has enabled us to rent a house on the property owned by the church and convert it into the much needed K Birch Primary Teaching Resource Centre.

Improvements in student recruitment and the application and admissions process resulted in an increase in the number and quality of new students. This was all the more remarkable as it occurred in a climate where the number of Matric Exemptions decreased from a national average of 16% in 1996 to 12% in 1997. This disastrous decrease contradicted the predictions of the National Commission on Higher Education and education planners in general, and highlights the deficiencies in the secondary education system in South Africa. Nevertheless, the increase in new students and the fact that the students are staying in residence longer resulted in our building two new residences in the Stanley Kidd area to accommodate 100 students. The historic Prince Alfred Hospital Recreational Hall and hospital kitchen have been converted into a delightful 26-room residence and common room. The planning and construction of these new residences were

carried out by our own staff over the summer vacation. During 1997 Rhodes offered itself for a pilot Quality Audit by the recently established Quality Promotion Unit of the South African Universities Vice-Chancellors' Association. We learnt a great deal from the pilot audit and the exercise will benefit the University when we are audited in the year 2000.

Rhodes was fortunate in having an excellent SRC in 1997. The excellence of the SRC was largely due to the outstanding leadership of the President and Deputy President, Mr Chico Khosa and Ms Linda Pledger respectively. The structure, composition and procedures for the Broad Transformation Forum and the Transformation Executive have been established. It has taken a long time but the process was important in developing the ground rules so that something constructive can emerge. In keeping with the thinking of the new Act the University established the Student Services Council which is composed of 50% staff and 50% students. The Council is already working well with three task groups investigating academic, financial and living matters.

In a time of decreasing government funding, fundraising is a major priority. During 1997 I made successful trips to England and the USA where contact was renewed with Old Rhodians. In particular, a successful Old Rhodian reunion was held at South Africa House in London. Rhodes Charitable Trusts have been established in both England and the USA and I am particularly grateful to the Chairs (Mr Michael Chapman and Mr Warne Boyce) and Trustees for all that they do for Rhodes. A notable donation was USA\$1 million from the Andrew Mellon Foundation for bursaries for black postgraduate students for the 'growing our own timber' project which aims to address the severe shortage of potential black academic staff.

Departmental Reports

During 1997 members of the department of **Afrikaans & Netherlandic Studies** presented papers at various conferences. Dr Godfrey Meintjes was invited to attend the 13th *Colloquium Netherlandicum* in the Netherlands during August. During his visit he presented a paper at the South African Institute in Amsterdam.

The department's relationship with the Netherlands and Belgium was strengthened further by the visit in May of a high-ranking deputation from the Low Countries of members of the Diplomatic Corps, Departments of Education and the Dutch Language Union. This resulted in the Department obtaining undergraduate and postgraduate bursaries from the Union. In September, Dr Olf Praamstra of the Free University, Amsterdam, offered a workshop on Dutch colonial literature at Rhodes.

January was hectic for the department of **Biochemistry & Microbiology** as staff hosted two back-to-back conferences at the 1820 Settlers National Monument. These were the 14th *Congress of the SA Society of Biochemistry and Molecular Biology* and *Biotech SA '97*, the second in a series of biotechnology conferences held every three to four years in

Grahamstown. These successful conferences were attended by over 400 delegates, including over 245 speakers from other countries. Apart from the high standard of science presented, a social highlight was an unforgettable banquet for over 400 guests on the St Peter's Lawns. There were a record number of 54 postgraduates registered in the department, which created pressure on equipment and laboratory space. Dr Dorrington and the Honours students put together and manned a successful stand at the first national Science Festival.

Professor Peter Rose returned to the department from LIRI technologies as Professor of Biotechnology. Professor Don Hendry and Dr Dorrington both spent time working in the CSIRO laboratories in Australia and Professors Chris Whiteley and Santy Daya continued to serve on various national and international scientific committees. All of the staff travelled abroad to present papers at various international conferences. Professor John Duncan was awarded the prestigious Leon Foundation Fellowship, which will fund postdoctoral studies in his laboratory. Two biotechnology-based effluent treatment plants developed by Professor Rose and Dr Oliver Hart were opened by the Minister of Water Affairs, Professor Kader Asmal. The sewage treatment plant in Grahamstown was opened during the Graduation weekend and in December Professor Asmal opened the first full-scale algal-based system at Mossop Western Leathers in Wellington in the Western Cape. The exposure of undergraduate students to the industrial chemical world through project work continues to be encouraged within the department of Chemistry with a

SASOL-sponsored prize for the best Chemistry II entrepreneurial project and a Merck prize to the winners of the Anglo American and De Beers Chairman's Fund Chemistry III Industrial Projects. The Department also has a vibrant postgraduate research programme, with 25 MSc and PhD students registered in 1997 and working in a variety of research fields including electrochemistry, organic and organometallic synthesis, drug stability, thermal analysis and marine natural product chemistry. A new Fourier transform infrared spectrophotometer has greatly enhanced research. Several staff members and students presented their research results at local and international conferences during the year, while Dr Mike Davies-Coleman was awarded the 1996 Vice-Chancellor's Research Award at this year's graduation ceremony and Sibolilo Vilakasi won a gold medal for her MSc research presentation at an Eastern Cape Postgraduate Chemistry Symposium held in the department. Dr Wole Familoni from the University of Lagos was a visiting researcher and four local and five international visitors presented research seminars. A highlight was the naming of the First Year Laboratory as the "John Nunn Laboratory" in recognition of the late Professor Nunn's significant contributions to both Chemistry and the University.

Rapid growth in student numbers continued in the department of **Computer Science** during 1997, particularly at first year and postgraduate levels. The University had to allocate a considerable portion of its limited capital equipment budget to providing for the growth in technology-based departments. An increased enrolment of students from faculties other than Science and Commerce in the first year courses in Computer Science demonstrates an awareness amongst students of the need for graduates of all disciplines to be computer literate. 1997 saw unprecedented demand for Computer Science graduates from Rhodes, and the department came under pressure from industry to increase its human resource output. The Computer Science postgraduate school continued to receive strong support from the industry. An exciting milestone was the signing of a research agreement between Rhodes University, Telkom SA Ltd, Dimension Data and Lucent Technologies for the establishment of a Centre for Distributed Multimedia research, recognised under the National Centre of Excellence programme. The centre attracted sponsorship from the participating industries and from the Department of Trade and Industry's THRIP programme to the value of R1.3 million in 1997. A steering committee of representatives of the University, the partner companies, the Foundation for Research Development and the Communications Ministry was set up to manage the centre, and a partnership with the Computer Science department at the University of Fort Hare is being established.

Rhodes hosted the *Teletraffic '97* conference in September, organised by the department. This three-day event attracted over 200 national and international delegates. The department also contributed to the organisation of the *ComSig '97* conference.

Professor Patrick Terry published his fourth text book, entitled *Compilers and Compiler Generators*. Members of the Computer Science staff contributed to



several local and national awareness initiatives and policy forums. Some of the areas in which contributions were made were the National Festival of Science and Technology, the Schools' Science Expo and the National Information Technology Forum.

The department of Drama introduced a paper on Theatre in South Africa to the Honours course to provide a sound theoretical and philosophical basis for understanding theatre in this country. Several workshops concentrating on acting, choreography and contemporary dance technique, physical theatre and mime and lighting design were given by visiting professionals in these fields. The department hosted the conference of the Southern Africa Association of Drama and Youth Theatre, which attracted international speakers and delegates.

Professor Gary Gordon presented his piece *"Resting in the Trees"* in London and his award-winning *"The Unspeakable Story"* in France with Mr Andrew Buckland. Andrew Buckland was also involved in a community theatre project dealing with the problems of bilharzia in Lake Malawi. He also presented his award-winning play, *"Feedback"* in Johannesburg and appeared in Beckett's *"Endgame"* at the Market Theatre. Ms Reza de Wet won the Hertzog Prize for Literature for *"Drie Susters Twee"*. The play has also received seven FNB Vita nominations in the Western Cape. She was invited by the Czech Republic to contribute to an International Literature Conference held in Ormolouc. Mr Michael Carklin was awarded the British Council Chevening Award. The Helen Suzman Leadership Award for study in the United Kingdom and completed his Masters degree with distinction for his thesis on drama in South African Secondary Schools.

The department presented *"Twelfth Night"* as the graduation weekend production, a Maeterlink double bill, *"The Intruder"* and *"Sightless"* and Sue Pam-Grant's *"Curl Up and Die"*, as well as a number of productions at the National Festival of the Arts and the Grahamstown Foundation's Schools English festivals.

The four projects associated with the department continued to flourish - the Ilitha Arts Education Project, the DramAidE HIV-AIDS Awareness project, the FNB VITA Dance Umdodo in the Eastern Cape and the First Physical Theatre Company.

The department of Economics & Economic History had a record number of postgraduates, with 23 Honours, five Masters and one Doctoral student.

Professor Geoff Antrobus, Professor Arthur Webb, Ms Judith Streak, Mr Bongani Khumalo, Ms Niki Cattaneo and Mr Shaun Mowat produced research outputs in leading academic publications and at conferences.

Professor Antrobus, who is on sabbatical, also delivered papers at overseas conferences. Professor Arthur Webb, who spent some sabbatical leave in Australia, has been elected deputy Dean of Commerce. Professor Hugo Nel, acting head of the department, joined the staff in July. Other appointments were Dr Asrat Tsegaye as senior lecturer at Rhodes, East London, and Mr David Fryer in Grahamstown.

Professor Nel completed a joint research project with the UPE Small Business Unit on small manufacturing enterprises in the Port Elizabeth-Uitenhage area. The work

was commissioned by the provincial government's department of Economic Affairs, Environment and Tourism. Professor Nel also received a grant from Fidelity Bank to support his research in monetary policy and interest rates.

Other work in co-operation with economic policy making bodies included the Trade and Industrial Policy Secretariat by Ms Cattaneo and Mr Donald Onyango, aspects of provincial budget procedures by Mr Khumalo, and organised agriculture by Professor Antrobus. Increasing consultation has grown with organised trade and industry in the Eastern Cape as well as with the provincial government. The department was invited to become a member of the Port Elizabeth Regional Chamber of Commerce and Industry. Professor Nel was a member of the Chamber's research team on the regional economic impact assessment of the proposed Coega industrial development zone. In East London, Mr Rob Stuart serves on a committee of the Border Chamber of Business. Visitors included Professor Wilfred Ndongko, senior regional adviser of the United Nations Economic Commission for Africa.

1997 was eventful for the Department of English. There were more than eleven academic visitors from abroad, including two CSD Research Fellows, the Miltonist,



Professor Dennis Danielson from the University of British Columbia and the poet, biographer and critic, Professor Jon Stallworthy, of the University of Oxford. Professor Stallworthy delivered four public lectures on *"Literature and Empire"* and gave a poetry reading. Another visitor, sponsored with the ISEA and the Department of French, Professor Jerry Flieger of Rutgers University, gave three lectures on *"Understanding Postmodernism"*. Perhaps the highlight of the year was the visit of the actress, Miriam Margolyes, whose stage performance of *"Dickens's Women"* filled the Rhodes Theatre to capacity. She also met staff and students and ran workshop sessions in the Department of Drama.

During the year the department redesigned the English III curriculum, and devoted much time to the academic review and the subsequent requirement that it lose one member of



staff. Understandably, the loss of a colleague affected morale in the department. Ms Cathy Birkinshaw has elected to take early retirement at the end of 1998, and this has relieved some anxiety concerning possible retrenchments, but it does not mean that the department will lose capacity in one of its key teaching areas, the Renaissance.

Results in English III were particularly pleasing – eight first class passes. Staff publications increased once again, and Professor Don MacLennan, who is still associated with the department, published another volume of poetry. He also received the English Academy's Thomas Pringle Prize for Poetry and the Sanlam Literary Award.

A former student, David Mackay, received the Sanlam Award for poetry, continuing the department's tradition of producing poets and novelists. In order to encourage interest in literature beyond the syllabus, the department offered the Maureen Pyott Memorial Essay Prize for an essay on the topic of the relation between poetry and religion, and a prize for the performance of poetry.

After 16 years as Head of the department of Fine Art, Professor Robert Brooks retired in order to concentrate on a multiplicity of activities from literary promoter to SAFm's *"King of Bad Taste."* His successor, Professor Mark Haywood, is an English installation artist and theoretician, who since his arrival in July, has been grooming the Department for the 21st century.

The Head of Painting, Noel Hodnett, resigned and the department is proud to have appointed Mark Hipper, a significant South African painter who has been working in Berlin for the last decade.

Obie Oberholzer's unique vision of Africa continued to attract international acclaim and he was the sole South African representative in a major exhibition of African photography at the *Fundacio La Caixa* in Barcelona; Obie's work was also used in the advertising campaign to launch the new Land Rover in Europe and Africa. Continuing the international theme, Photography students were commissioned by the Swedish government to document public housing schemes in Port Elizabeth.

Dominic Thorburn presented the exhibition, *Images of Human Rights* at the 25th Southern Graphics Council at the University of South Florida and had work selected for the *Krakow International Print Triennial* in Poland and *Contemporary South African Art 1985-1995*, curated by the South African National Gallery. He was elected to the National Arts Council Advisory Panel and received funding from the Arts and Culture trust to establish the Fine Line Press in the Graphic Arts section. This is a professional editioning

studio incorporating a visiting artist program, outreach initiative and editioning facilities. Dominic also curated a ten-year retrospective of Rhodes' student prints at the Alumni Gallery for the Festival, four MFA Painting students also showed at the Alumni Gallery during the year and final year BFAs exhibited at the Art School Gallery.

1997 was a year of consolidation for the department of Geology after changes in academic staffing in 1996.

Arising from these changes has been the establishment of a solid core of post-doctoral research activity. This includes the commissioning of a fluid inclusion research laboratory under Dr Ron Sheets (USA), who holds the Chamber of Mines Research Fellowship. Fluid inclusion investigations are critical to understanding an important class of ore deposit, namely hydrothermal deposits and this laboratory will underpin a substantial part of the research associated with Professor John Moore's postgraduate programmes in exploration and economic geology. Dr Jeff Wilson (Scotland) holds an FRD Post-Doctoral Fellowship and is working closely with Dr Eric Ferré on the anisotropy of magnetic susceptibility (AMS) in granites. This new and versatile technique allows one to establish the presence of mineral orientations and fabrics which, in turn, give insight into how large masses of granite are emplaced into the upper crust - a problem which has puzzled geologists for centuries. Also working on granites is Laurent Améglio (France) who has been awarded a Rhodes University Post-Doctoral fellowship. He uses gravity variations, reflecting the small differences in density between granite and surrounding rocks, with sophisticated mathematical inversion techniques, to determine the shape of granite intrusions. Such information is an important complement to AMS data for understanding granite emplacement. Laurent will focus his research on granite intrusions associated with the unusual Navachab gold deposit in Namibia.

Members of the department of History remained active and productive in diverse areas during 1997. Dr Cornelius Thomas' book on the 1976 uprising, *"Wakker Wakker en aan die Brand"*, was published by Mayibuye Books. Dr Robert Shell's book, *"Children of Bondage"* - the book chosen as Rhodes' submission for the national Bill Venter Literary Award - took second place in the competition behind Charles van Onselen's acclaimed work, *"The Seed is Mine"*.

Three staff members gave papers at international conferences: Dr Gary Baines in Australia at a conference on popular culture; Dr Robert Shell in Israel at a conference on the history of Islam; and Dr Julia Wells at an oral history conference in the US. Dr Keith Tankard continued as chief editor for the South African History site (H-SAfrica) on the WWW, and set up a new site devoted to the history of East London. Dr Brenda Nicholls obtained her doctorate at the University of Natal, Pietermaritzburg. At the end of 1997 she retired after 36 years of service to Rhodes.

The department of Human Movement Studies organised and hosted the Sports Science Section of the first national Science Festival early in the year. Among the prominent speakers were Dr Bob Nideffer of San Diego State University, USA, Professor Tom Reilly of John Moores University, Liverpool, UK and Professor Tim Noakes of the

University of Cape Town. All staff and many students were involved in explaining and demonstrating the basic principles of sports science to the over 2 000 visitors who visited the department during the festival.

Professor Pat Scott made two trips to Scandinavia. The first was to Tampere in Finland for the Triennial Congress of the *International Ergonomics Association* where she gave three



Professor Pat Scott with guest speakers during Scifest '97

papers. She is the South African representative on the IEA Council. The second was to Uleå University in Sweden, where she was an invited lecturer. She lectured to Masters and PhD students on ergonomics in industrially developing countries.

During the third term, Dr John Hawley of UCT and Dr Louise Burke, from the Australian Institute for Sport, visited the department and conducted a series of lectures on nutrition and physical activity and muscle physiology. They also gave a well-received lecture on nutritional supplements for athletic performance.

The department of Ichthyology and Fisheries Science developed a curriculum for the introduction of Ichthyology at undergraduate level in 1998. After the review of academic departments, the DIFS was awarded two additional posts to cope with increasing postgraduate student numbers and for the undergraduate course. Dr Horst Kaiser and Tony Booth were appointed. Several members of academic and contract research staff travelled overseas during the year. Peter Britz and Horst Kaiser presented papers at a conference in Singapore. They visited the Seychelles and collected broodstock for our marine aquarium fish programme and visited the Director of Fisheries of Seychelles, a DIFS graduate. Tony Booth was invited by the Foundation for Research Development to attend an international workshop on remote sensing in Calcutta. Tom Hecht visited Belgium on a collaborative research project and travelled to Malawi and Mozambique to supervise students. The DIFS, with the IT Division, has pioneered the development of multimedia coursework for students at the Masters level and the first coursework has been published on the WWW. The department had a productive year of research. The fisheries science section has completed major studies on panga stocks on the Agulhas Bank, undertaken pioneering work on squid behaviour using remote cameras anchored to the seabed, contributed towards the development of management strategies for the linefish resource, assessing the extent of shore angling along the entire coast and have produced a

plan for the development of marine fisheries in the Northern Cape. Studies on freshwater fisheries include a study on the development of a management strategy for Lake Chicamba in Mozambique and one on the fisheries potential of the Katse Dam in Lesotho. The aquaculture section has made major advances in abalone nutrition, has developed the protocols for the spawning and rearing of several marine aquarium fish species, has completed a study on spotted grunter farming and made significant strides in the development of ornamental fish farming in South Africa. Six Honours, six Masters and two PhD students completed their studies during the year. Research funding for the year was good. A number of contracts were landed from industry, provincial governments, and foreign donor agencies and from the Department of Environment Affairs and Tourism, FRD, CSIR and SANCOR. A total of 24 papers were published in the international peer reviewed literature and staff and students presented 19 papers at local and international conferences. Staff also continued to serve on several committees, including the Sea Fisheries Advisory Committee, Marine Linefish and Squid Management Committees, several Sea Fisheries Working Groups, and several FRD and SANCOR committees. New staff members joined the department of **Journalism & Media Studies**. These included Ms Anthea Garman, who teaches writing and edits the *Rhodes Journalism Review*, Mr Joe Alfors, the TV Studio Manager and Mr Roland Stanbridge, who began a three-year term as director of the New Media Laboratory. New MA courses in theory and research were introduced, as well as a project-work MA. Compulsory internships were implemented for fourth-year TV students.

The department hosted twelve SADC print and broadcast editors on a three-week course on media leadership, run in conjunction with the Maputo-based Nordic-SADC Journalism Centre. The department continued to run short courses for South African journalists. These included a group of news editors from Independent Newspapers, who had a two-week course in editorial management skills. Internet research skills were taught to a further group of journalists. These skills were also taught to seven researchers from the Offices of the President and the Vice-President. Outreach into the local community continued, with pupils at three local schools being taught how to produce their own newsletters. Training in internet skills was also given to town councillors and to members of the Western District Regional Services Council. Rhodes hosted the *New Media 2000* conference, during which 150 international delegates deliberated on the internet and African journalism. The *Second SA Photojournalism Conference* held at Rhodes in September was attended by over 100 photojournalists, picture editors and designers from all over South Africa and the United States. Kenny Irby, a leading photojournalist savant from the Poynter Institute in Florida was the keynote speaker. Together with his colleagues, Terrence James from New Jersey, Professor Betty Medsger, Professor Paul Lester and Nora Paul, they provided a different vision on New Photojournalism, WWW site development, news approaches and ethics.

A Photojournalism Forum was proposed which will be

representative of all the photojournalists in South Africa. Professor Richman Mqeke joined the department of Law from the University of the Transkei. He lectures in Customary Law and the Law of Contract. Professor Ivan Schafer has retired after many years of distinguished service. He will continue to lecture part-time. Professor John Grogan, who has also served the department with distinction, resigned to take up employment law consulting work full-time and has an acting appointment to the bench of the Labour Court.

Although not a member of the department, Professor Peter Surtees has given valuable service over the years in tax law and estate planning. He has retired but will continue to enlighten the tax ignorant from his retirement home.

Mrs Shirley MacLennan, our Librarian has retired after some 13 years. She will be remembered for her never failing good humour and her devotion to her students.

Ms Lirieka Meintjes-Van der Walt was promoted to Senior Lecturer.

Thanks to Professor Rob Midgley our Faculty/Department was one of the leaders among South African Universities in paving the way for the new four year LLB degree to be introduced in 1998. The Department will, however, continue to offer the BA, BCom, BSc /LLB over five years. Mr John Haydock's company law students now have the option of an NDP hands-on course covering aspects of investment on the Stock Exchange. The class formed an investment club and began with a simulated capital base of R100,000 which they invested in a simulated system based upon real prices and volumes.

Members of the department assisted for the first time with the instruction of candidate attorneys. Two courses were given to Department of Health officials on the role and requirements of an investigating officer in disciplinary hearings under the Labour Relations Act. Several members of the department also contributed to the department of Management's Diploma in Entrepreneurship.

Ms Meintjes-Van Der Walt attended the *World Symposium on Victimology* in Amsterdam and delivered a paper on the rights of victims. She also attended the *First World Conference on New Trends in Criminal Investigation and Evidence*: Koninklijke Vermande, The Netherlands 1997 and published a paper on pre-trial disclosure in criminal cases.

Brigitte Clark and Ms Meintjes-Van der Walt attended the *International Society of Family Law Conference* in Durban in July and presented a joint paper on the legal implications of South African Domestic Violence Legislation.

The department continued its close relationship with the Rhodes Legal Aid Clinic. Many students have obtained valuable experience under the guidance of the Director, Mr Jonathan Campbell, and Gordon Barker who has supervised students. Several staff have presided over disciplinary hearings in labour related matters and Gordon Barker presided over the mock trials at the East London Practical Legal Training School and assessed in the High Court. Brian Peckham is a referee in the Provincial Environmental Policy and Waste Policy development processes.

Professor Gary Barkhuizen, of the department of Linguistics & English Language was appointed Visiting Professor at the University of the West Indies, Jamaica,

during his sabbatical leave. He spent a month researching attitudes to Jamaican Creole, visiting schools and lecturing to education and linguistics students.

Professor Vivian de Klerk visited Toronto, Canada, for a short course on neurocognitive linguistics and presented a paper on language shift at a general linguistics conference. She also visited Stonybrook, Long Island and presented a seminar on the work done by Professor Barkhuizen and herself on language contact in the South African army. This work, which was undertaken in the 6SAI army camp in Grahamstown, has shown that during basic training all eleven official languages may be represented in the camp, but English has replaced Afrikaans as the official language of instruction, command and general communication. Professors De Klerk and Barbara Bosch are researching language shift in the Eastern Cape. They are interviewing a wide range of non-English parents who have chosen to send their children to English medium schools. They aim to discover the reasons for this and their experiences. They are also investigating families where the parents have differing linguistic backgrounds.

Professors Barkhuizen and De Klerk are the editors of the *Southern African Journal of Applied Language Studies*, which, since they took over the editorship in 1996, has achieved full accreditation.

The author and academic, Joan Swann, of the Open University, England, visited the department and gave an excellent lecture on *Language and Gender*. The renowned scholar, Professor Robert de Beaugrande, of the University of Vienna, Austria, gave a public lecture and seminars on discourse analysis to students and staff. Several collaborators visited the department of Mathematics (Pure & Applied) School on Fuzzy Set Theory with applications to Topology, Algebra and Control Theory. Dr Babbington Makamba, a product of the School, spent his sabbatical year from Fort Hare, and Professors Frank Klawonn from Emden, Germany, and Javi Gutierrez Garcia from Bilbao, Spain, stayed for over a month each. Several publications resulted from these fruitful collaborations.

A special issue of "*Quaestiones Mathematicae*" was devoted to the proceedings of a conference which Professor Wesley Kotzé organized in Linz, Austria some time ago.

More than 120 concerts and other events were hosted by the department of Music & Musicology, including the prestigious Vice-Chancellor's Concert in August. It was held in a packed monument auditorium, featuring the RU Chamber Choir, the RU Orchestra, the RU Jazz Band, the



V-C's Kudu Horn Band and several staff and students. Masterclasses were given by Widor du Toit (piano), Anja Goering (violin), Robin Alleson (violin), Neville Schaefer (piano) and visiting lecturers were Michael Blake, Kevin Volans and Jurgen Braduniger.

The appointment of a new Head of Department, Professor Christine Lucia, in July, gave rise to extensive course changes and the year ended with a pioneering and successful upgrading course for primary school teachers sponsored by the Donaldson Trust and Standard Bank.

The department of **Physics and Electronics** was privileged to have Professor Juan Roederer as a distinguished visiting lecturer in May. He gave a mini-course of 11 lectures on *"Modelling in Physics and in the Brain"*. These were well attended and appreciated by a broad spectrum of staff and students from Physics, Philosophy, Music and Computer Science. More specialised seminars were held in the departments of Music and Physics.

Other distinguished visitors included Professor Basil Hiley from Birkbeck College, University of London, and Dr Jim Cohen from Jodrell Bank, University of Manchester.

The department participated in SciFest'97, with Magic Shows, a Paper Jet Competition and a lecture on the Physics of Motor Car Accidents. Staff were also involved with the organisation of the Comsig/Teletraffic conference in September.

The department of **Political Studies** launched an Honours and Masters programme in Democratization, to run alongside its programme in International Relations. The new programme has been funded for up to three years by the Swiss Ministry of Foreign Affairs. Mr David Pottie, a Canadian previously working at the University of Natal, was appointed to a post within the programme. The department also welcomed Dr Korwa Adar, from the University of Nairobi, to a post in Comparative Politics and International Relations. Other staff news included the successful submission by Louise Vincent of her doctoral thesis to the University of Oxford.

The department of **Primary Education** in East London submitted a successful proposal for the funding of a resource centre to Mr Kenneth Birch. Housed in a renovated cottage in lower Oxford Street, the Centre will serve student-teachers as well as schools in the East London area. The Kenneth S Birch Primary Education Resource Centre will have a workshop for teachers as well as audio-visual facilities for producing teaching materials. Part of the proposal has resulted in links being established between the department and disadvantaged schools in the Northern Cape. Lecturers from Rhodes will present in-service courses for teachers in that province.

The department completed the third year of the LINK agreement established with King Alfred's College of Higher Education in Winchester, England, through the auspices of the British Council. Five British lecturers visited and worked in the department in East London, while five members of the Rhodes department went to Winchester to work in the College.

Mrs Anne Mayo, senior lecturer in the department, visited Kenya where links were established with Kenyatta University and the Institute of Early Childhood Education. Unique to the Bachelor of Primary Education degree is the

inclusion of a special study related to primary education. Fourth year students presented their findings at a Conference on Primary Education in conjunction with postgraduates and senior teachers improving their qualifications in the department.

The Annual Primary Planning Conference highlighted the growing links between the provincial education authorities and the University. At a recent conference, the department of Primary Education was singled out by the MEC for Education for its vibrant programmes and impact on primary teachers and schools.



Working partnerships have been established with non-government agencies in the East London area. ITEC, for example, has an agreement with the University in the joint teaching of an "upgrade" diploma for experienced primary school teachers. We are able to register over two hundred teachers for this course by the flexible use of the converted wool store affectionately known as "The ABC" (Africa's Biggest Classroom.)

During the early part of the year a three-day workshop was run in the department of Psychology by two internationally acclaimed experts in discourse analysis, Dr Ian Parker and Dr Erica Burman. The workshop was attended by several social scientists from a range of academic departments as well as Psychology staff. For several years the department has emphasised academic development and in 1997 a department of Psychology Academic Development Award was established. The first recipient was Mary van der Riet who, over the years had made significant contributions in the area. The department has established more regular links with the University of Fort Hare, and several joint postgraduate meetings and workshops were held.

The Centre for Investigative Psychology, inaugurated in 1996, received significant funding from the Centre for Science Development and it has several research projects operating. The Centre was visited by Professor David Canter of the University of Liverpool, during which new avenues for collaborative research projects emerged. He also donated sophisticated software developed at Liverpool. Rhodes is the second University to apply it in research.

Dr Mark Welman was promoted to Senior Lecturer, Mrs Ann Jordan to Associate Professor and Associate Professor

Andy Gilbert to full Professor. Mrs Jordan and Ms Zelda Knight completed doctorates.

The department of Zoology & Entomology saw some juggling of positions among the staff. Professor Randall Hepburn returned from sabbatical in July to his responsibilities as Dean of Science. Professor Christopher McQuaid, the head of department, is on a year's sabbatical and Professor Ric Bernard is acting head.

Randall Hepburn presented an invited paper at the quadrennial *International Entomological Symposium* in Florence, Italy and another at the biennial symposium of the *Entomological Society of Southern Africa* in Stellenbosch. During his visit to Italy he concluded negotiations with the Institut für Bienenkunde (Oberursel) to amalgamate their morphometric database on the honeybees of Africa with his database. This merger acquired a third partner in the Instituto de Biociencias (Brazil). Field work was also done in Mozambique, Botswana, Lesotho, Zimbabwe, Malawi and Tanzania. These trips have resulted in several collaborative projects. He now serves as scientific consultant for apicultural research and beekeeping development in both Mozambique and Malawi. A research collaboration has also been formed with the Njiro Wildlife Centre to investigate honeybee populations in Tanzania, and research collaboration is also underway with the Department of Agriculture, Lesotho. Collaboration with the Plant Protection Research Institute has been extended to cover some apicultural problems in conjunction with a German group at Universität Berlin as well as for insect pests with cole crops. At the request of the Director General, Department of Agriculture, he continues to serve on his *ad hoc* Cape honeybee problem task force. Professor Hepburn also completed a new book on bees of Africa. Dr Martin Villet attended the 15th *Hennig Society* meeting in Cape Town, the *Entomological Society* meeting in Stellenbosch, and the *Aquatic Society* meeting at Mtunzini, presenting work at each. He has published a paper describing 30 new species of cicadas, several endemic to the Eastern Cape and one of which has only been found in valley bushveld around the Ecce Pass. Together with a student and a researcher at the University of Fort Hare, he published a preliminary phylogenetic analysis of the fruit chaffers of southern Africa. Martin and Adrian Craig have also published a study on the processes driving the evolution of tail length in birds. Martin also collaborated

with members of the JLB Smith Institute on projects involving comparative biology of fish. He was part of a team which examined the effect of metabolic heat generated by maggots on their growth rates.

Ric Bernard went to Zimbabwe to set up a project with the Bulawayo Museum. This will look at variation in patterns of reproduction with changing latitude in African bats. He and a former honours student have completed a major review of reproductive patterns in African bats and the new project will provide additional information.

One of his students attended a conference on cetacean biology in Germany and presented information on age, growth and reproduction of pygmy and dwarf sperm whales. Ric Bernard's research group is split between environmental control of reproduction in small mammals and the ecology of small ungulates and an MSc student is to study the impact of common duiker on chicory, which is grown in the Eastern Cape.

Ric Bernard and Dr Mike Bedford of Cornell University, Medical School initiated a project on gamete biology and early fertilization events in the *Insectivora*. This has resulted in a paper accepted by the *Journal of Reproduction and Fertility*. Professor Adrian Craig attended the 9th *Pan-African Ornithological Congress* at Accra, Ghana, where he presented a paper on evolutionary trends in African glossy starlings, and a poster on the phylogeny of African starlings. Adrian and Professor Pat Hullely served on the organizing committee of the 3rd *National Ringing Workshop*, held near East London and attended by about 40 active and trainee bird ringers.

Adrian Craig is working with an MSc student on a study of the role of frugivorous birds in the dispersal of indigenous figs.

Professor Alan Hodgson visited Zimbabwe to begin a project on the structure of the skin of the frog *Chiromantis*. He then went to Australia for the first *Conference on Indo-West Pacific molluscs*, where he presented two papers. He went on to the universities of Sydney and Brisbane to work on aspects of molluscan reproduction. Alan has also begun work on a major study of limpets with scientists from the University of California. He continues to collaborate with scientists from Israel and has begun a collaborative study with Professor Kevin Eckelbarger (University of Maine). Dr Chris Brown continued his work on physiological limits to distribution in small mammals and birds and on physiological differentiation between populations. The latter focused on populations of vlei rat *Otomys irroratus*. He attended the *International Conference on Comparative Physiology and Biochemistry* held in the Kruger National Park, where he presented a paper on this work. Chris has students working on incubation and embryology of the ostrich and springhare ecology and physiology.

Martin Villet hosted Dr Alan Kirk from the Biological Control Laboratory in Montpellier, France, as part of a research programme between Rhodes and the Agricultural Research Service of the USA. The research focuses on parasitoids of diamondbacked moth and whitefly. The group found a new species of parasitoid wasp that attacks whitefly. This species is now being investigated as a control agent.



East London campus of Rhodes University

Rhodes University's East London Campus ended 1997 on a high note and is looking forward to a bright future. From humble beginnings – 50 students in 1981, its year of inception – the campus has grown to the point where the 1998 intake could exceed 1000, provided the Eastern Cape Department of Education releases teachers to upgrade their qualifications by studying for the Diploma in Education. A variety of degrees, diploma and certificate courses are offered and further initiatives are being planned. There is a flexible mixing of part and full-time study possibilities.

These include the BA, BBusSci, BCom, BSocSci, BSocSci(Social Work), BPrimEd, FDE (further diplomas in education in mathematics, science and technology) and DE and HDE (primary education diplomas).

During 1997 a number of significant developments occurred.

A collaborative project with EL College was established. This enables candidates who do not meet current university entrance requirements to do a foundation year at EL College and then go on to degree studies at Rhodes. Another development was the award, in terms of its positioning, to Rhodes East London of one of three nationally orientated **Population Studies Units** being established by the Centre for Science Development of the Human Sciences Research Council. This Unit, to be run by Dr Rob Shell, will be involved in research of great importance locally, regionally and nationally. The Unit will interact with, and be supported by, the University's **Institute for Social and Economic Research**, the East London branch of which, now formally constituted, is run by Mr Leslie Bank. Collaboration with other universities, notably Fort Hare and Unitra, is also planned.

A significant development in the field of health education was the agreement between Rhodes University and the Health Department of the East Cape, signed at the end of last year. The University will employ the staff chosen to run the new **Health Resource Centre** situated next to Frere Hospital. One of the eventual aims of this Centre is to enable postgraduate medical studies and the University welcomes the prospect of involvement in this initiative. The University is engaged in academic planning and amongst programmes it hopes to bring to fruition in 1999 are a diploma course in technology/engineering, in collaboration with other institutions, and a new law degree – the four year LLB. The possibility of a degree in Public Administration is also under consideration.

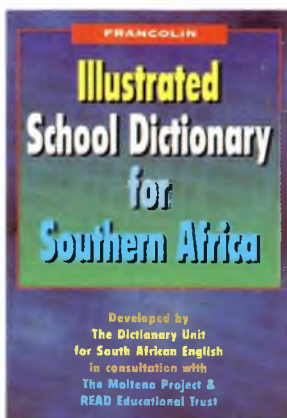
Rhodes East London is committed to a major contribution to the tertiary education needs of the region and the nation. It is gearing up to meeting the requirements of government with regard to the new programme approach to national tertiary education planning and funding. It is well sited in the City of East London and has a good working relationship with the City Council and with local industry. One of its aims is to provide study opportunities in such a way that the talented young people of the East London area have a good reason to stay here to undertake tertiary education studies, find employment and contribute

to the development of the local and regional economy and the upliftment of our peoples.

Research Organisations

During 1997 there were several highlights for the **Dictionary Unit for South African English**. One was the publication, in June, of the *"Francolin School Dictionary for Southern Africa"* (editors Dotty Mantzel and Bernd Schulz). The dictionary was commissioned to fulfil the need for a bridging dictionary for learners of English at the higher

primary school level. This illustrated dictionary uses simple defining language, and includes example sentences which will be accessible to second-language speakers of English. The Molteno Project and READ Educational Trust were consultants on the project. The SALEX training course for lexicographers, held in September, was organized by the Unit to contribute to



the process of establishing national Dictionary Units for the African languages. The course ran for a fortnight, with the 35 participants representing ten of the official South African languages, as well as languages of Ethiopia, Mozambique, Zaire, and Tanzania. Three eminent British lexicographers donated their expertise as trainers, and were supported by the British Council and the Department of Arts, Culture, Science and Technology. Funding was also received from the Anglo American and De Beers Chairman's Fund, First National Bank, Xeratech, and four publishers - Addison Wesley Longman, Cambridge



University Press, HarperCollins, and Oxford University Press-Southern Africa. The course was seen as unique in that it was language-independent, providing a methodological training for people from very different language backgrounds.

On the final evening of the SALEX course, the Unit was presented with the English Academy Gold Medal, for the contribution made to English lexicography over 25 years. Professor Bill Branford, founder of the Unit, accepted the medal on behalf of all the Unit's members, past and present.

The Grahamstown Ionospheric Field Station has completed a year of top quality ionospheric data acquisition. This will be used to augment the Southern African Ionospheric Model project which was the prime pre-occupation of the **Hermann Ohlthaver Institute for Aeronomy** this year. A new field station has just come on line at Madimbu in northern Mpumalanga, forming the second of a final network of three field stations that will span the country. This year saw the completion of work on the processing of archived ionospheric data, which has allowed the training of a neural network over an uninterrupted period of 26 years. This has led to a significant advance in our ionospheric forecasting capability.

The highlight of 1997 was the hosting of the *Eighth Workshop of the Pattern Recognition Association of South Africa* (PRASA). Topics included research into the automatic identification of vehicle registration plates, face recognition and voice recognition. The conference took place over two days and our published Proceedings contained 27 presentations. HOIA's involvement concentrated on the application of Pattern Recognition techniques to the science of forecasting. An important foreign guest at the Workshop was Professor Anthony Maeder, who presented a paper and a lecture, and is the Vice-President of the Australian equivalent of PRASA.

A highlight of the year in the **Institute for the Study of English in Africa** (ISEA) was a successful two-day conference on *'Integrating Education and Training in Industry'*. It was opened by the Director General of Labour, Mr Siphos Pityana, and involved a range of delegates, from influential policy-shapers to corporate HR managers, programme deliverers, union officials and trainers. The Director,

texts developed by the Institute. The Secondary Schools' Language Project (SSLP) has agreed to deliver six three-day seminars for teachers on writing, literature, and assessment, one for each of the six regions of the Eastern Province. During the National Festival of the Arts, the Institute launched *'The Horn of Plenty'*, a full-colour book of painting-poems by Chris Mann and Julia Skeen.

It is planned to 'digitise' the complete **International Library of African Music** sound archive (which is the core of ILAM), onto DAT tape, thereafter onto CD, first, so it can be catalogued on a new *'In-Magic'* cataloguing system and made available, and second so that ILAM can produce CDs of recordings. Only their published records in the *'Sound of Africa'* series and the *'Music of Africa'* series have been readily available. Once the digitising is complete, the whole archive, published and unpublished, will be available. The project is being put together with the departments of Music & Musicology and Computer Science, under the supervision of Mark Holland, an American sound engineer with whom Dr Richard Foss of Computer Science has been working on the introduction of an audio technology course. Partial funding has been promised by three Norwegian agencies. Funding is also being sought in the USA.

Andrew Tracey's article on *"African Musical Instruments"* appeared in the *Encyclopaedia of Sub-Saharan Africa*.

In response to the changing outlook on the teaching of music in South Africa, and the desire to acknowledge our own musics in our education system, ILAM is encouraged by the proposed BMus (Ethnomusicology) degree in the department of Music & Musicology.

ILAM's book collection has appeared on a CD-ROM catalogue published by the NISC.

Andrew Tracey went to Uganda early in the year and was able to deliver a set of recordings of his father's traditional court musicians, made by Andrew's father in the 1950s, to the newly reinstated Kabaka of the Ganda people.

A number of outreach initiatives have been continued or started: Drum-making workshops for township youth on Saturday mornings. Support for local artists and music, dance and drama groups is burgeoning.

A lunch-hour concert was held at ILAM showcasing local talent, as part of the African Music Option of the Anthropology II course.

Andrew Tracey was Chief Adjudicator for the SA Breweries-sponsored South African Choral Music Association's National Eisteddfod, at the regional and the national finals.

During 1996/7 the JLB Smith Institute of Ichthyology celebrated 50 years of Ichthyology at Rhodes and crowned the occasion with the publication of a special commemorative volume of the *Transactions of the Royal Society of South Africa*. At the local launch of the volume, the Honorary editor of the Royal Society of South Africa, Professor Johann Lutjeharms of the University of Cape Town delivered a public lecture. The annual JLB Smith commemorative lecture was also a special celebration as it was the 100th birthday of Professor JLB Smith. Mr William Smith, the well-known son of Professors JLB and Margaret Smith delivered this lecture.

Broad interaction with outside parties was a characteristic of research in the Institute this year. Highlights include a



The local organising committee for PRASA 97, held at the CEC in November, seen in front of the poster presentation (P3) of Allan Poole and Lee-Anne McKinnell. They are, from left to right, Allan Poole, Justin Jonas, Lee-Anne McKinnell and Lindsay Magnus. The conference was organised and hosted by HOIA.

Professor Laurence Wright, delivered a day-long seminar for teachers and education officials in the North West province, entitled *'Tackling Texts and Living Literature'*. *'Othello'* has been published in the innovative series of Shakespeare



visit by Dr Phil and Mrs Elaine Heemstra to the Durban CSIR laboratory to collaborate on a fish larval study. This was part of an initiative between Rhodes University and the CSIR. Dr Heemstra launched an innovative public-participation programme called 'East Coast Fish Watch'. This involves marine sport SCUBA divers photographing fishes for their identification and conservation. The Freshwater Curator, Roger Bills, spent several weeks on Lake Tanganyika teaching environmental educators about fish identification and behaviour. The Institute Education Scientist, Ms Vanessa Twentyman-Jones, has been involved with the Environmental Education course and is also the co-ordinator for the national 20/20 Water Project of the Department of Environmental Affairs and Forestry. Teaching is a big part of Dr Alan Whitfield's estuarine research programme in which he conducted courses for the honours and postgraduate students of the University of the Western Cape. Professor Paul Skelton has a contract with the Lesotho Highlands Development Authority to establish the Fisheries operations in the Phase 1A area of the Lesotho Highlands Development Project. The first student on this programme, Mr Mokitiyane Nthima completed a BSc (Honours) degree in the Department of Ichthyology and Fisheries Science during the year.

Among the most important achievements of the **Johnson & Johnson Leadership Development Institute (JJLDI)** during 1997 has been the launch of the University Diploma in Manufacturing Management (DMM). This has been an important, and successful, step in the direction of achieving the Vice-Chancellor's vision for the East London campus of Rhodes University developing as a centre of excellence in the field of technology.

The development of the Certificate in Business Leadership (CBL) into a course which is in demand from senior management in both the private and the state sectors. The course is unique in that its focus is upon 'transformational' leadership (the type of leadership required in turbulent socio-political and economic environments) as opposed to 'transactional' leadership (or 'management', as transactional leadership is conventionally known).

The Director of the JJLDI has established three global research networking teams: one with Professor Paddy Miller at the IESE Business School in Barcelona, Spain; one with the School of Social and Community Sciences at the University of Ulster in Belfast, Northern Ireland; and one with Professor Jenny Onyx at the School of Management of the University of Technology Sydney (UTS) in Australia.

The Director attended a conference on 'Education and Geopolitical Change' at Oxford University, and the annual conference of the International Organizational Development Association in Budapest, Hungary. Professor Graeme Sheather, the Head of the Department of Manufacturing Management at the University of Technology Sydney (UTS) in Australia was a guest lecturer on the DMM.

The Director of the JJLDI was appointed to the Chair in Leadership Studies in September this year.

The Department of Labour offers an opportunity for unemployed trainees to attend three-week courses in various types of skills training. As its contribution to this scheme, LIRI Technologies presents a leather craft course, during which students learn to design, construct, decorate, dye and finish various leather items. Emphasis is based on simple, functional, decorative designs, such as bags and pouches which have their origin in African leather tradition. The trainees are taught to target the tourist trade and the designs are intended to capitalise on Africa's rich decorative heritage. LIRI-tanned goat leathers are used for most projects. Goat skin is readily available in South Africa and lends itself to traditional crafting styles.

The N1 and N2 component of the *Shoe Train* is gaining momentum. Student enrolment has increased by about fifty percent over the previous period and is now over 200, with 33 factories participating. The role of the regional co-ordinators in Cape Town and Pietermaritzburg is becoming increasingly important in responding quickly to queries or problems from the factories.

LIRI continues its work in the fields of wastewater treatment and improved tannery processing.

The most significant development at the **Rhodes University Mathematics Education Project (RUMEP)** has been the implementation of accredited courses in the form of the Further Diploma in Education in Primary Mathematics. There were 65 students in Grahamstown and the course will be launched at Rhodes East London in 1998. Promat Colleges in Durban and Gauteng have a legal agreement with Rhodes which enables them to franchise the course. This means that the RUMEP programme will be available at four campuses.

RUMEP has developed a workable programme building sustainability through its key teacher model of professional development. Key teachers are able to organise and manage in-service workshops for fellow teachers in their home areas. The key teachers ensure that there is a sustainable resource for raising the level of mathematical knowledge and methodological competence at the crucial primary school level.

Assessment tools are being developed to measure systematically the impact of the accredited courses on both key teachers and pupils in schools.

RUMEP has worked closely with about 200 teachers from the East Griqualand/Kei region, which is poor, under-resourced and rural. Follow-up workshops are planned for this region.

RUMEP continues with materials development and 1997 saw the publication of *"Developing Number Sense"* by S Southwood, R Spanneberg and J Stoker. Their grade 1 learners' activity book and teachers' resource book, *"Mathematics for the New Nation: Grade 1"* has received government approval and will be marketed to schools.

The Southern Ocean Group of Dr William Froneman and Dr Evgeny Pakhomov continued their research on interactions between oceanographic conditions and the Prince Edward Islands. Both participated in the successful second cruise to the islands. They were accompanied by postgraduate students Marian Balarin (MSc) and Alistair Grinham (BSc Hons). During the cruise, the most extensive offshore study to date was completed in the waters around the islands.

Academic Support Services

For the first time the Academic Development Centre has offered a comprehensive Professional Development Programme for academic staff. Incorporating an induction programme for new staff at the start of the year, the programme also includes five modules, relevant to new and experienced academic staff, which focus on curriculum development, teaching and learning and evaluation and assessment. The programme is participatory with contributions from presenters from academic departments as well as visiting presenters. Participants benefited especially from the opportunities to share issues and innovations in their own practice with colleagues in a critical yet supportive group environment. This structured opportunity to get to grips with the changing higher education environment is highly valued by staff attending. The ADC has attracted international funds to work on academic staff development in the Eastern Cape. In partnership with Border Technikon, Masibulele College, Cape College and the University of Southern Queensland, Rhodes is developing strategies and materials to build capacity in staff development. The project is funded by Australia Aid and aims to produce a range of publications and accredited staff development courses by late 1998. In July, Rhodes ADC staff, Philip Collett, Mike Davidson and Thami Tisani went to Queensland as part of the project research work and also presented papers at an international conference on higher education in Adelaide.

Academic Development in the Faculty of Commerce. The process of change in the approach to academic development at Rhodes culminated in the full integration of these activities into the overall departmental structure in the Faculty. The focus is on students and the aim is to address the needs of all first-year students to help them to realise their academic potential. The academic development team offers various services to students, which include general Faculty meetings for first-year students, academic skills workshops, weekly, content-based workshops and individual consultations.

Student representation at different levels is important and

tutorial and class representatives were elected, and students are elected to serve on the Faculty Board.

The programmes designed to address student needs are the Commerce Foundation programme, slow stream courses for Mathematics and Accounting and revision programmes for Economics.

Two students from the first group completed their degrees in the minimum time and there were two first class passes in Statistics, three in Accounting and five in Mathematics. More than R100 000 from private sector sponsors was paid to achievers as scholarships.

Rhodes University Library was one of the first libraries in South Africa to develop the facility to provide a direct link from a catalogue record to an Internet site. Provided the right software is in place, it is now possible to launch a Universal Resource Locator (URL) from the Rhodes catalogue. Users will be able to move from the record of a book or journal to the full-text version on the Internet simply by clicking the mouse. The Library is also the first outside the USA to join the Networked Digital Library of Theses and Dissertations (NDLTD) based at the Virginia Polytechnic Institute and State University. This seeks to create a global digital network of theses and dissertations. In November, the full text of an honours project by a Rhodes Computer Science student, Thabo Nojoko, was mounted on the Internet. The Senate has approved the middle-of-the-road option of requesting print and digital copies of theses from students. The library hopes that eventually all Rhodes theses will be available in electronic form.

The library's mission statement was finalised, and reasserted the library's aim 'to be an excellent academic library through the provision of ready access to information resources, and by aiding in equipping people for lifelong learning'. The library's commitment to quality user-focused service, fairness, innovation and professional integrity was also reaffirmed.

The Library provided leadership in information literacy education. Much of the year was spent on the development of an innovative partnership between the Library and the English Language for Academic Purposes (ELAP) unit to deliver a well co-ordinated information literacy programme to the ELAP students.

A sub-committee of the Library Committee, appointed to consider future policy on the library's books and periodicals grant, recommended that the use of a formula should be retained, capital equipment expenditure should be retained as a component in the formula, the formula should be reconsidered every three years, and 80% of funds not committed by the end of the first term of the following year should be redistributed.

The Vice-Chancellor's Library Review Committee made far-reaching recommendations which were approved, including a new staff structure. The library management team now comprises the University Librarian, Cory Librarian, Collections and Technical Services Librarian, and Public Services Librarian. Ms Margaret Kenyon was appointed to the post of Head, Collections and Technical Services and Ms Viv Botha to the post of Head, Public Services. The University Librarian, Mr Felix Ubogu, attended the 63rd IFLA Council and General Conference in Copenhagen,

Denmark through the generous grant of the Danish agency DANIDA.

Student Affairs

Student Counselling and Careers Advice

The demands of the modern workplace are far more extensive than those taught in most academic courses. The changing and complex nature of employment requires that employees develop new skills and become active managers of their own work and learning. These new skills include those that enable "self-reliance" in career and personal development and which equip students to approach the workplace with confidence in themselves, rather than in their degrees.

Some students are unable to develop such skills for reasons other than their ability, while the demands of university life are overwhelming for many others. Frequently however, a little well-timed and appropriate help is all that is needed to change the course of a student's academic life from failure to success.

The Student Adviser's Office provides this type of help and enables students to make the most of their time at Rhodes. Working closely with other services and supports on the campus such as the SRC Counselling Centre, the Psychology Clinic, the Wardens, Sanatorium and the Academic Development Centre, the Student Adviser's Office provides a full range of counselling and psychotherapy to students who are experiencing psychological or social problems, as well as running a sophisticated career development programme.

This includes assistance in the 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 take control of their personal and vocational future.

The Residence System

The Rhodes residence system continues to be one of the most important aspects of life at the University and it appears that most students settle quickly and happily into a daily routine of lectures, tutorials and social and sporting activities. They are able to pack a great deal into each day because they do not have to spend large amounts of time commuting, as do students in large centres.

Students in residence rub shoulders with others from all parts of the country and beyond, as well as students who are reading for degrees in a variety of disciplines. This makes for a rich and diverse academic and social life.

Rhodes Sport

1997 was a successful year for sport at Rhodes. There has been a rapid growth in interest in health and fitness and the University now has both Weights and Aerobics clubs with more than 700 members in each.

The soccer club celebrated its return to the Port Elizabeth leagues by winning the PE FA Promotion League, which will put them in the Premier League in 1998. The Men's Tennis side won the PE and District League and the First XI cricketers took the Border Premier League title which qualified them to represent Border at the National Club

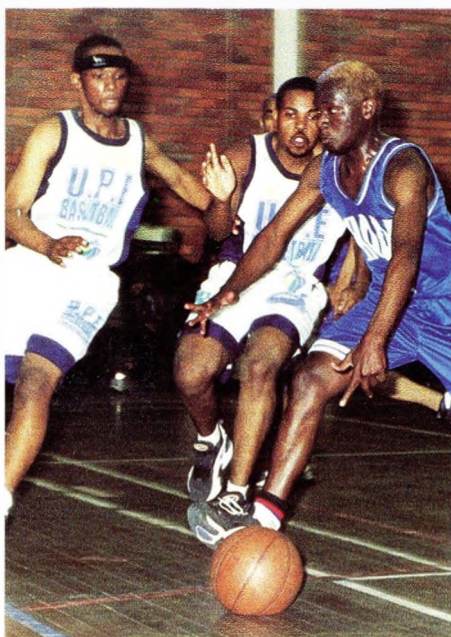
Championships in Pretoria. The side finished third at the SA Universities Week.

The rowers won the SA Students Rowing Regatta and followed this with wins in the Men's A Vllls and the Women's coxless IVs at the SA Sprint Championships. Rhodes rowers had a clean sweep at the Universities Boat Races, winning both the Men's and Women's A and B Divisions.

The Men's Volleyball side won the Eastern Province League as well as the National PVL league, with the Women's team

finishing as runners up in the EP League. The Men's Hockey Club were runners up in the Premier League and won the First League, while the Squash Club won two and finished second in three of the seven leagues they entered.

Shannon Law and Jeremy Colenso were the South African Sport Climbing champions for the year. Arne Hansen and Melanie Theck were in the SA Students Tennis team



which competed at the World Student Games in Sicily. Parys Edwards and Caroline Birt were members of the SA under 21 Women's Hockey team, which won the All Africa Games and participated in the Junior World Cup Tournament in Korea. Quentin Still was named "Player of the Season" for the Border Premier Cricket League and Sjeanne Cawdry retained her No 5 SA Squash ranking and was runner-up in the SA Doubles competition. Rob van Selm was selected for the SA men's hockey team to play in a six-test series against Poland.

Rhodes teams finished either first or second in fourteen respective leagues across a wide spectrum of sports, and 25 Rhodes athletes represented SA teams at various levels, while a further 41 students represented their province at senior or age-group level. This is no mean feat for a University the size of Rhodes and located 130 kms away from the nearest major centre.

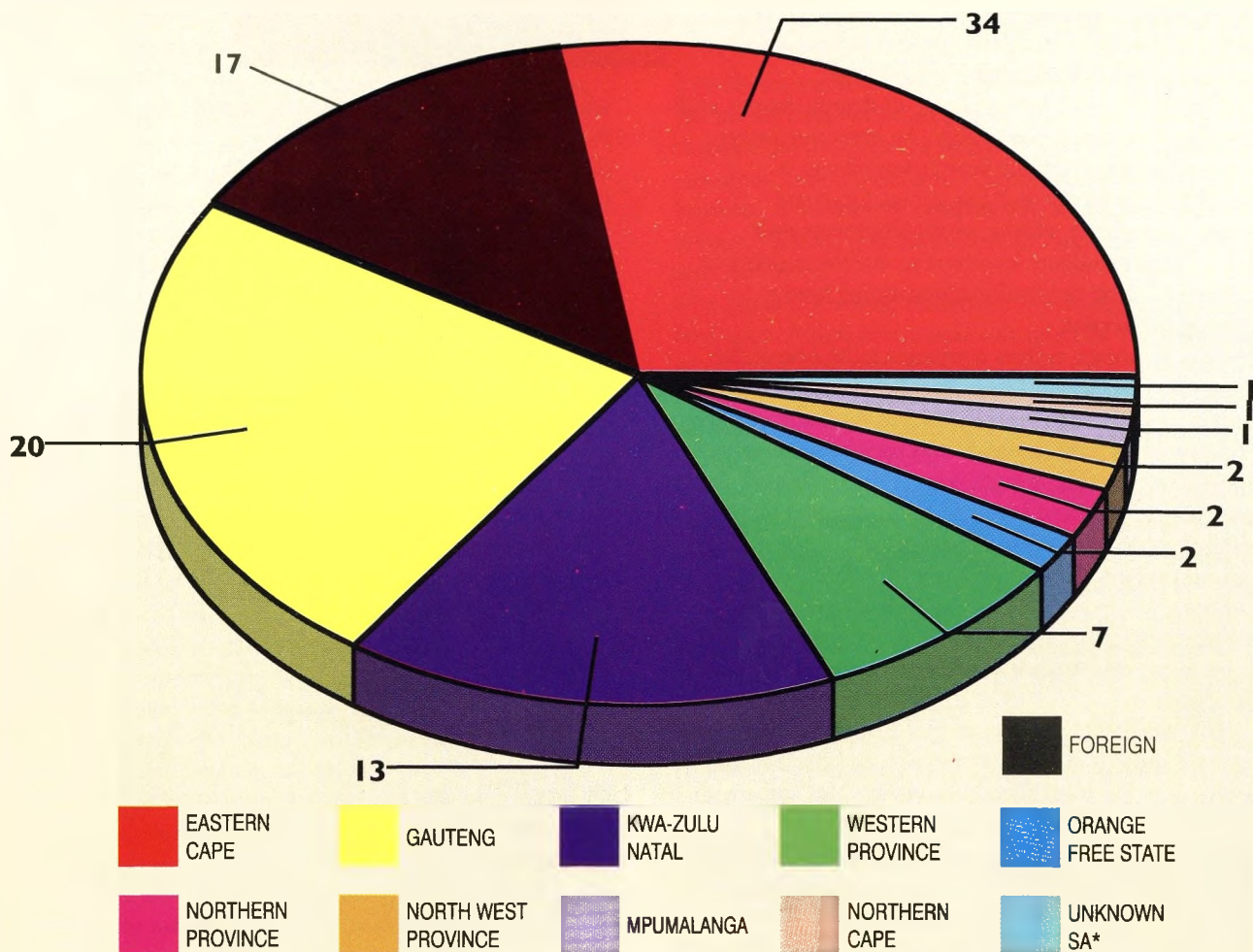
Dr David Woods
Vice-Chancellor

The Christmas Party for Staff children



was a balloon-
popping success!!

GEOGRAPHIC ORIGIN OF UNDERGRADUATES AND POSTGRADUATES
IN GRAHAMSTOWN IN 1997



*These "Unknown" students are South African citizens (76) living outside the RSA.

Academic Awards*

	Humanities	Commerce	Education	Law	Pharmacy	Science	Total
Undergraduate diplomas & Certificates							
1996	7	0	196	0	0	6	209
1997	6	0	75	0	0	1	82
Bachelors degrees							
1996	317	183	18	0	48	80	646
1997	307	170	11	0	57	102	647
Postgraduate diplomas & Certificates							
1996	24	36	62	48	0	0	170
1997	25	34	80	41	0	0	180
Second degrees							
1996	121	17	0	0	0	72	210
1997	116	32	0	0	0	61	209
Masters degrees							
1996	36	1	7	1	4	28	77
1997	10	1	2	0	1	17	31
Doctorates							
1996	6	1	4	0	1	14	26
1997	3	0	0	0	0	12	15
Total Diplomas and Certificates							
1996	31	36	258	48	0	6	379
1997	31	34	155	41	0	1	262
Total degrees							
1996	480	202	29	1	53	194	959
1997	436	203	13	0	58	192	902
Total awards							
1996	511	238	287	49	53	200	1338
1997	467	237	168	41	58	193	1164

*As this report is prepared before Graduation, the 1997 figures may change

RHODES UNIVERSITY FINANCIAL REPORT

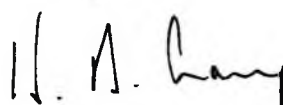
The attached summarised financial statements for the University and the Residences reflect the breakdown of significant income and expenditure components.

A study of those figures will reflect that the University's finances are sound. A significant turnaround compared with previous years is the reduction in student fees as a percentage of total income. Due to the uncertainty of the amounts of state subsidies which are determined on an annual basis, it is not possible to make a forecast that that trend will continue. The expenditure patterns have remained reasonably consistent and the University has continued to be able to provide an excellent service to its students.

Much emphasis needs to be placed on the provision of financial aid to students from a disadvantaged background and equally attention needs to be focused on collection of fees from students. This University's policies of applying strict credit control in respect of student fees has been a sound policy and has resulted in bad debts of less than 1% of total student fees. This careful monitoring of debt collection will be continued. This University, as do all universities in South Africa, continue to pressurise the Central Government to provide adequate funds through a National Student Financial Aid Scheme to meet financial needs of indigent students.

As far as the residences are concerned, they are managed on a 'break square' basis as they are self-funding and receive no subsidy from Central Government. In order to make up income from other sources, the Marketing and Communications Division of the University actively seeks conference and other activities where the residence system can be used to provide accommodation. It is pleasing to report that the trend of income from other sources continues to rise as a percentage of total income. The expenditure pattern in the residence system remains satisfactory, except that were more funds available, a greater amount would be expended on maintaining the fabric of the residences.

In addition to the funds reported in the accompanying summarised operating statements the University administers approximately 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)
16 March 1998

Summarised Operating Statements

University

	1996		1997	
	R millions	%	R millions	%
Income	102.6	100.0	120.2	100.0
Government subsidies	62.7	61.1	77.6	64.5
Student Fees	33.2	38.4	35.4	29.5
Investment Income	4.3	4.2	4.7	3.9
Other	2.4	2.3	2.5	2.1
Expenditure	102.6	100.0	120.2	100.0
Academic	49.6	48.3	58.7	48.8
Research	1.8	1.8	1.8	1.5
Library	5.5	5.4	6.7	5.6
Student affairs	1.5	1.5	1.6	1.3
Operating overheads	10.7	10.4	11.8	9.8
Administration & computing	12.2	11.9	13.9	11.6
Estates	15.5	15.1	18.6	15.5
Student Financial Aid	3.1	3.0	4.3	3.6
Interest & Redemption	2.7	2.6	2.7	2.3
Other	-	-	.1	-

Residences

	1996		1997	
	R millions	%	R millions	%
Income	19.2	100.0	21.2	100.0
Residence fees	16.8	87.4	18.5	87.3
Other	2.4	12.5	2.7	12.7
Expenditure	19.2	100.0	21.2	100.0
Food	4.7	24.4	5.2	24.5
Staff costs	5.7	29.7	6.5	30.7
Power & water	1.6	8.3	2.0	9.4
Maintenance & replacements	4.3	22.4	5.1	24.1
Loan interest & redemption	0.8	4.7	0.8	3.8
Other	2.1	10.9	1.6	7.5

Enrolment for 1997, Grahamstown and East London

	Humanities	Commerce	Education	Law	Pharmacy	Science	Total
Undergraduate							
1996	1634	1052	343	3	384	466	3882
1997	1555	1148	272	0	402	529	3906
Graduates							
1996	392	78	188	105	8	256	1027
1997	394	96	166	94	3	275	1028
Totals							
1996	2026	1130	531	108	392	722	4909
1997	1949	1244	438	94	405	804	4934



RHODES UNIVERSITY FOUNDATION TREASURER'S REPORT FOR 1997

The Foundation's Fund Managers have placed emphasis on investments providing a higher initial yield in the form of interest bearing investments and investments in Property Unit Trusts. Although the total income has increased from R7,141m to R7,486m it is disappointing to note that the Foundation's capital value has declined from R80,084m to R76,429m. This Foundation is however not alone in this experience, which is due primarily to the activities in the markets during the latter part of 1997 and not due to a change in investment selection policy. The amounts distributed to and expended for the benefit of the University and the bursaries funds remained at approximately 67% of net income earned by the Foundation. These funds are applied to bursaries for the benefit of the University's students and towards capital expenditure projects, a fixed nature in the form of buildings and equipment.

Amounts received from donors do not form part of the income in these financial statements but are handed intact to the Foundation for investment. During the year under review donations received totalled R1 959 148 of which approximately R1 422 334 were committed for specific purposes.

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

The University is grateful to those members of the Foundation, particularly those members of the Investment Committee who give so much of their valuable time, for the benefit of the University and the Foundation. This contribution from the Governors of the Foundation is recognised with gratitude.

H A LONG
TREASURER

16 March 1998

Rhodes University Foundation

Financial Statements

Summarised Balance Sheet (At market values)

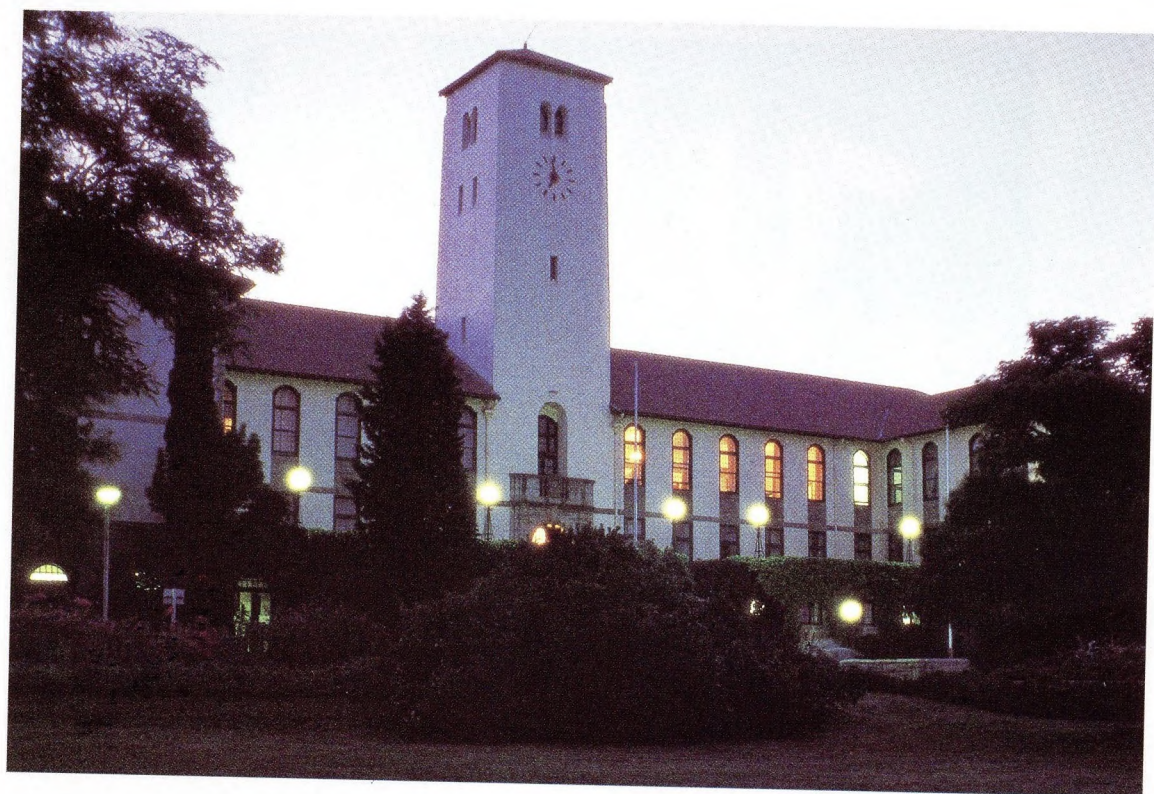
	R Thousands 1996	R Thousands 1997
Fundholders' capital employed		
Foundation	45 313	41 950
University & others	34 771	34 479
	<hr/> 80 084	<hr/> 76 429
Employment of capital		
Investments & cash	80 056	77 446
Accounts receivable	974	728
	<hr/> 81 030	<hr/> 78 174
Accounts payable	946	1 745
	<hr/> 80 084	<hr/> 76 429

Summarised Income Statement

	R thousands 1996	R thousands 1997
Income from investments	7 146	7 486
Dividends	1 757	1 464
Interest	5 309	5 941
Other	75	81
Less expenses	<hr/> 745	<hr/> 788
Net income	6 396	6 698
Less: Distributed to and expended for the benefit of Rhodes University and its bursary funds	4 300	4 398
Retained for re-investment	<hr/> 2 096	<hr/> 2 300

Bursaries, Scholarships and Loans

Awarded by the University from donations or from our own funds	3 558 751
Awarded to students by outside bodies	7 919 821
Awarded by Centreal, Provincial & local Government	581 727
Loans from Rhodes A) Rhodes study loans	61 500
B) Rhodes council loans	1 236 679
Tertiary Educational Fund for South African loans	4 109 128
ODA/Tertiary Educational Fund for South Africa	1 375 955
Total	<hr/> 18 843 561





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