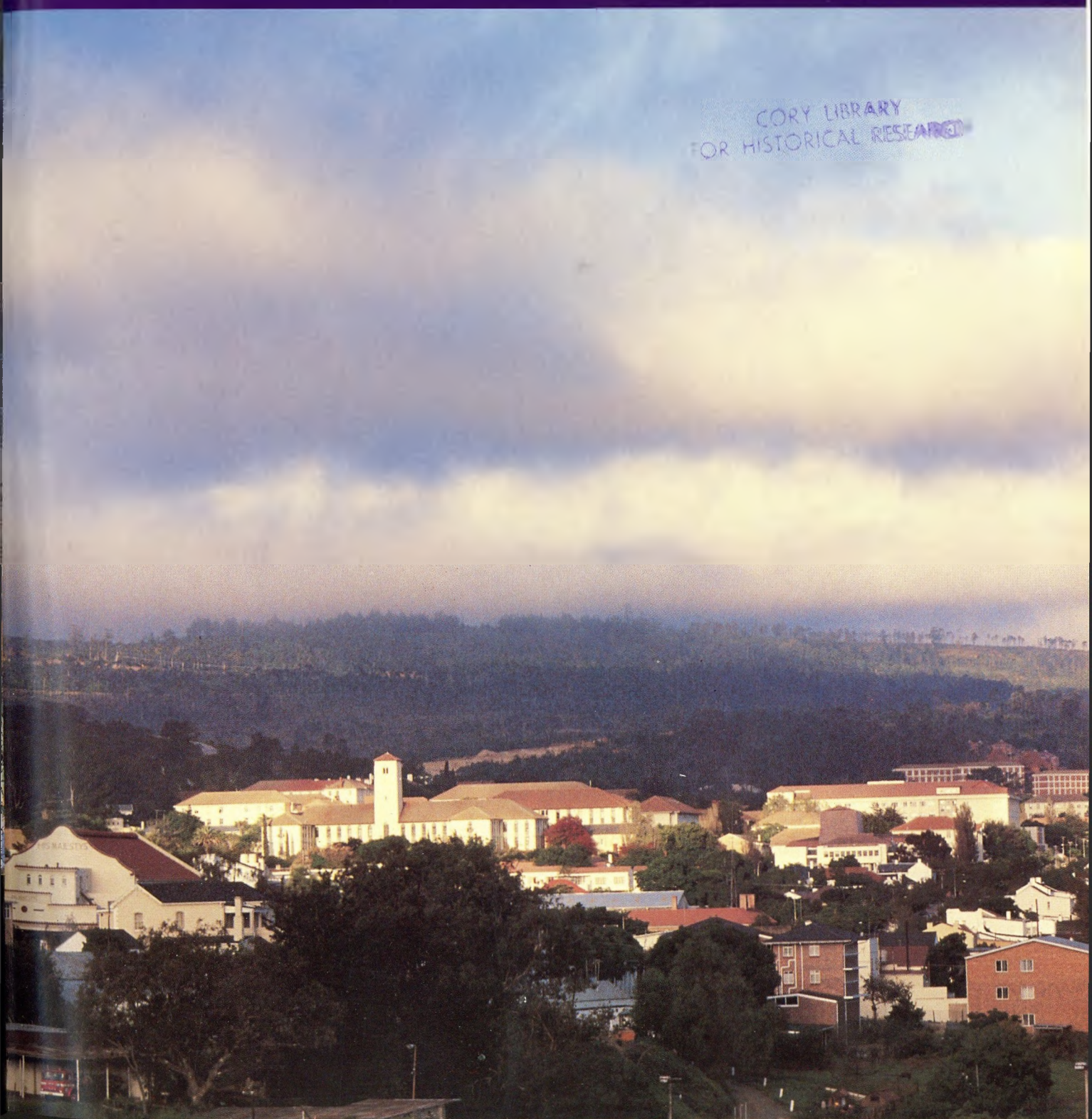




**Rhodes
University
1988
Annual
Report**

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Rhodes 1988

Founded in	1904
Students	
Men	2 077
Women	1 659
Grahamstown Students	3 438
East London Students	298
Academic staff	284
Student/Staff Ratio	13:15
Halls of Residence	8
Residences	35
Students in residence	1 762
Grounds	203 hectares

OFFICERS OF THE UNIVERSITY

Chancellor: Dr I Mackenzie
Principal and Vice-Chancellor: Dr D S Henderson
Vice-Principal and Pro-Vice-Chancellor: Dr R van der Merwe
Chairman of Council: Mr J S Levy
President of Convocation: The Hon Mr Justice T M Mullins
Registrar: Dr K S Hunt

DEANS OF THE FACULTIES

Arts: Professor M G Whisson
Commerce: Professor P van der Watt
Divinity: Professor C W Cook
Education: Professor R Tunmer
Law: Professor A J Kerr
Pharmacy: Professor I Kanfer
Science: Professor M E Brown
Social Science: Professor W A Mitchell

RESEARCH ORGANIZATIONS

Albany Museum
Biological Control Research Group
Biopharmaceutics Research Institute
English Dictionary Unit
Hermann Ohlthaver Institute for Aeronomy
Hydrological Research Unit
Institute for the Study of English in Africa
Institute of Social and Economic Research
International Library of African Music
JLB Smith Institute of Ichthyology
Leather Industries Research Institute
National English Literary Museum
Plant Nutrition Research Unit
Rhodes Institute for Freshwater Studies
Tick Research Unit

Cover picture: John McKinnel



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The Chapel of St Mary and All the
Angels on St Peter's Campus.
(Picture: John McKinnel)

Report of the Vice-Chancellor

The role that universities play in society is being scrutinized more and more carefully, not only in this country, but throughout the world. If they are to survive, universities will have to face the consequences occasioned by this pressure and develop the means to react to it, while retaining their essential characteristics.

It is important for us to remember that South African universities are not alone in facing difficulties. In past months, British newspapers have regularly carried headlines such as "Universities press for £183 million to attract staff", "Discontent among the Dons" and "Baker (Secretary of State for Education) wants far greater role for private funding". One of the most illustrious universities in the world - Oxford - launched an appeal for over R800 million in October last year.

There are several reasons why universities face the present challenges. Owing to the increasing demand for higher education and the rapid development of new technologies, nearly all societies are having to reassess the way they organize themselves. From the great empires like Russia and China, to the old established democracies like Britain and France, to the 'new' countries like South Africa - we all face, albeit in different ways, similar challenges in the final years of the 20th century.

Universities in South Africa must accept that our position needs re-examination and, although we may not like the medicine dispensed by the government, we have to ingest it and take into account the direction in which we are being pressed. Our job is to manage efficiently the change that is upon us.

It is clear that the government can only afford to subsidize universities to the extent of three out of four students. It is up to us to generate the missing quarter if we are to maintain our progress.

If we accept this as a reasonable challenge, we will have a greater chance of succeeding than if we continue to beat our breasts and cry "unfair". For this reason, Rhodes is exploring many possible means of generating income.

We have friends in commerce and industry who have helped us in this quest and many of them have been

extremely generous.

This year was significant because it saw the opening of what some people call the best university residence in South Africa - De Beers House, the building of which was made possible by the Anglo American and De Beers Joint Chairman's Fund.

This year has also seen the emergence of new directions in research which have been developing at Rhodes. Mr Clem Sunter calls biotechnology one of the two major wealth generators of the future. At Rhodes, the Biotechnology group has drawn the university closer to industry because its teaching programme and the research being undertaken is of vital importance for new technological developments.

We are finding considerable undergraduate interest in Biotechnology with students carefully planning their courses in order to get into the graduate programme. It is likely that some sort of selection procedure will be necessary in 1990.

The expanding graduate research programme with the Biotechnology group at Rhodes is establishing "a critical mass", where inter-departmental co-operation is facilitating research progress and making the University a logical place for further investment in productive research. Rhodes's leadership in this new field of research has been quickly recognized by South Africa's biggest biotechnology company, AECL, which is funding a considerable research programme.

Water, and all that goes with it, is vital to Southern Africa.

Our Group for Aquatic Sciences and Hydrology includes researchers from the Departments of Geography, Ichthyology and Fisheries Science, Plant Sciences, Zoology and Entomology and Computer Science, as well as the JLB Smith Institute of Ichthyology, the Rhodes Institute for Freshwater Studies, the Southern Ocean Group and the Albany Museum. It has also attracted attention and a number of contracts for research.

The Computer-based Education Unit expanded mightily in 1988. Continued expansion is guaranteed by a generous donation of equipment from J.C.I.



Doctor D S Henderson

Although we are a small university in a small town, we have an impressive network of contact with other universities and research organizations, as well as commerce and industry, not only in this country, but throughout the world. Academics from Rhodes have travelled widely in the past year, and we have had a steady stream of academic visitors here.

The University has also made a significant contribution to the local community. The Centre for Social Development has increased both the scope and the number of its activities, and the Human Resources Development Centre has launched an exciting and innovative programme of computer training for small business operations.

Owing to the burdens imposed upon us, the University ship does not have much freeboard, but we are alert and ready to take any opportunities for maintaining our present progress and providing increasing avenues for our students and academic staff to fulfil their potential and make their contribution to the common good.

Derek S. Henderson

D S HENDERSON
Vice-Chancellor



REPORT ON FINANCES FOR 1988

The annual budget is completed at the beginning of the fourth quarter each year and, despite setting income and expenditure levels, particularly state subsidies, in a responsible way, the University was shocked by the severity of the 27% reduction. To make matters worse, rumours of a possible reduction began filtering through at the beginning of January 1988 and the eventual reduction became known only at the end of February. Thanks to representations made by the Committee of University Principals, the government gave us far more accurate estimates of anticipated subsidies in time for our 1989 budgeting exercise in October 1988. The financial problem remains but planning has been facilitated.

The attached income statement shows how government subsidies are dropping as a percentage of total university income. Although we have managed to balance our budget for 1988, the long-term health of the University depends on the generation of increasing income to retain our top quality staff and to meet the enormous increases in the cost of books and equipment.

It continues to be of major concern to the University that tuition and residence fees should not escalate beyond the financial capacity of students and their parents. If we are to meet our responsibility to educate those whose academic merit entitles them to higher education, there is an increasing need for larger and more numerous bursaries.

The University goes forward to the 1989 financial year with the confidence and enthusiasm bred of having survived an exceptionally difficult 1988 and of the support of so many generous benefactors.

The **residence system** is run as a self-supporting business enterprise which fixes residence fees at levels which will meet running costs and ensure that the fabric is maintained in the long term.

The new De Beers residence, financed entirely by the Anglo American and De Beers Chairman's Fund was occupied in February 1988. The University again records its appreciation of their generosity. Olive Schreiner residence was extensively upgraded and re-occupied in the third term.

1988 INCOME STATEMENT: UNIVERSITY

INCOME	R millions			
	1988	%	1987	%
Government subsidiaries	26,6	71	25,9	74
Student fees	7,8	21	6,8	19
Investment income	1,8	5	1,6	4
Other	1,3	3	9	3
	37,5	100	35,2	100
EXPENDITURE				
Salaries and benefits	23,6	63	21,4	61
Operating expenses of building, grounds and equipment	2,5	6,5	2,3	6
Loan interest and redemption	2,5	6,5	2,5	7
Central administration	3,0	8	2,8	8
Departmental and research grants including library books	3,3	9	2,7	8
Other including transfer to reserves	2,6	7	3,5	10
	37,5	100	35,2	100

1988 INCOME STATEMENT: RESIDENCES

R thousands	
Income	7 056
Residence Fees	6 623
Other Income	433
Expenditure	7 056
Food	1 594
Salaries and Wages	1 048
Power and Water	737
Loan Interest and Redemption	449
Laundry	283
Replacements and Maintenance Provisions	2 072
Other Expenses	873

Rhodes University Foundation: Chairman's Report

In the report on the University's finances for 1988 reference is made to the need to continue generating additional income to meet increasing costs. Government subsidies as a percentage of total income continue to drop and the need for support from the Foundation increases each year. Funds of a general nature are required by the Foundation in addition to the funds committed to generating income for bursaries and scholarships.

Amounts received from donors do not form part of the income in the following statement but are handed intact to the Foundation for investment.

Summarized Income Statement

	R000s	
	1988	1987
Income from investments	1 324	1 036
Dividends	798	702
Interest	516	324
Other income	10	10
Less: Expenses	(42)	(31)
Net income	1 282	1 005
Less: Distributed to and expended for the benefit of Rhodes University and other funds	(1 061)	(837)
Retained for re-investment	221	168



Doctor J B Sutherland

The Foundation's Investment Committee has balanced the income needs of the University and other funds with the need to invest in a portfolio which would recover as rapidly as possible from the 1987 market crash. It is the Committee's policy to invest reasonably permanently in sound shares and interest earning investments, changes of investment being made only as circumstances alter.

A brief summary of the investments held at the year-end is given here:

Investment Portfolio

1988					1987			
Cost R000s	%	Market Value R000s	%		Cost R000s	%	Market Value R000s	%
5 696	35	10 502	45	Mining and Mining Financial Shares	6 778	45	10 828	53
4 785	29	7 112	30	Industrial Shares	5 011	33	6 097	30
339	2	497	2	Long-term Interest-bearing	2 130	14	2 195	11
5 495	34	5 495	23	Short-term Interest-bearing	1 247	8	1 247	6
16 315	100	23 606	100		15 166	100	20 367	100



The balance sheet below shows the market values of the funds invested. New money less withdrawals accounted for R470 000 of the increase. Market values appreciated by R2 770 000.

Summarized Balance Sheet (at market values)

R000s

	1988	1987
Fundholders' Capital Employed		
Foundation	14 042	11 380
University and others	9 529	9 070
	<hr/>	<hr/>
	23 571	20 450
	<hr/>	<hr/>
Employment of Capital		
Investments and cash	23 606	20 367
Accounts receivable less payable	(35)	83
	<hr/>	<hr/>
	23 571	20 450
	<hr/>	<hr/>



Dr Julian Ogilvie Thompson, Chairman of De Beers Consolidated Mines Limited, unveiling a plaque at the opening of De Beers House in April.

It is with deep regret that we record the death of Mr D F Hanson on December 20th. In his short association with the University he had made a considerable contribution, particularly in the field of Industrial Relations.

Mr H P de Villiers has resigned from the Investment Committee but will remain a member of the Board, as did Mr J M Power the previous year.

The Board welcomes Mr A Savage who joined in October 1987 and Mr C R Baillie who joined in August 1988.

J B SUTHERLAND
Chairman of the Board of Governors
Rhodes University Foundation

THE BOARD OF GOVERNORS

Dr J B Sutherland* (Chairman)
Mr C R Baillie
Mr M P Bosworth
Mr D Briceland
Mr H G Chapman
Mr H P de Villiers
Mr A R Evans
Mr A W B Gray
Mr H H Hall
Dr D S Henderson* (Vice-Chancellor
and Principal)
Dr B E Hersov*
Mr H Kelly
Mr J S Levy* (Chairman of Council)
Dr I Mackenzie* (Chancellor)
Mr B C McCarthy
Mr D Niven
Mr R A Plumbridge*
Mr J M Power
Mr C H B Pringle
Mr D B Riley* (Chairman of Investment
Committee)
Mr A Savage
Mr R B Savage*
Mr P M St L Searle
Mr W S Yeowart*

*Denotes members of the Investment Committee

Departmental reports

Building on strong foundations, Academic Departments and affiliated support groups at Rhodes University continued to grow during 1988 and some of the highlights of the year's work are recorded in this Report.

Dr George Carter, formerly of the BANFESS Project in Lesotho, was appointed Director of the **Academic Skills Programme (ASP)**, and took up his new post in September. During the year, the ASP was generously supported by Caltex, Delta Motor Corporation, Anglovaal, the Anglo American and De Beers Chairman's Fund, the South African Institute of Race Relations and the Albert and Molly Baumann Trust.

The year saw a stream of visitors to the Programme, including Professor John Witherspoon from San Diego State University; Dr Gunther Heisch, the German Consul-General from Cape Town and Mr J J Stremlau, consultant to the Rockefeller Foundation, from New York.

In December, Dr Carter and four ASP staff members travelled to Cape Town for the National ASP Conference at the University of Cape Town, where Mrs N Tisani presented a paper on *Black students and the tutorial system at Rhodes*.

The Department of African Languages welcomed back to Rhodes its new Head of Department, Professor Peter Mtuze, who completed his BA (Translation) degree here in 1980. An author with 16 titles to his credit, Professor Mtuze has won the first prize for the best literary work published by Educum Publishers for the period July 1, 1987 to June 30, 1988.

Several academics from Europe visited the **Department of Afrikaans en Nederlands** including Dr J Vlasselaers from Louvain University and Dr and Mrs Fleerackers from Belgium.

The Head of Department, Professor Andre Brink, was invited to take part in a series of lectures on South Africa organized by the Smithsonian Institute in Washington, in February and also gave lectures in Paris, Lyon, Grenoble, Oslo, Odense, Copenhagen, The Hague and Helsinki. At a special ceremony in Paris, the insignia of Officer of the French Order of Arts and Letters was awarded to him by a representative of the Foreign Ministry in May.



Students walking through the quadrangles on their way to lectures. (Picture: John McKinnel)

Professor Brink's new novel, *States of Emergency*, was published in several countries. His article on *The Afrikaners*, published in *The National Geographic* in October, was reprinted in several countries, including the USSR. Etienne van Heerden's prizewinning novel, *Toorberg*, was accepted for publication in English by Penguin Books.

With over 150 students starting the first course and seven their MA's, the **Anthropology Department** has had a busy teaching year, lightened by the arrival of Ms Julia Segar as a junior lecturer. She will be working in part with Dr Roslind Dowse, of Pharmacy, on a study of epileptic and asthmatic clinic patient compliance.

Dr P McAllister and Dr C De Wet continued their active research programmes into development and resettlement and flew to Toronto and Zagheb to deliver papers on their work.

The newly formed professional Association for Anthropology in Southern Africa held its first conference at Rhodes in September.

Dr McAllister and Dr R Palmer were elected by the lecturers to Senate, and Professor M Whisson was elected by Senate to Council.

The Chair of Business Administration was named after Raymond Ackerman in appreciation

of a generous donation. The proceeds from the investment of this money will accrue to the **Department of Business Administration** on an annual basis and will be used to promote and facilitate research within the Department, invite academics to visit the Department and enable members of staff to attend conferences and make contact with academics and leading business people.

The Department has continued its programme of inviting prominent speakers to address staff members and senior students, and this year's visitors included Peter Searle, Managing Director of Volkswagen; Clive Warrilow, Marketing Director of Volkswagen and Nahum Biger, Professor of Finance at Haifa University.

The Business Information Systems division of the Department has gone from strength to strength. It established the **Human Resources Development Centre (HRDC)** this year. Its mission is to develop new computing careers for talented people in southern Africa as well as to promote the more effective use of computing resources, particularly in small business and country organizations.

Overseas contacts made by staff in the **Department of Chemistry and Biochemistry** have been extended during the year.

Departmental reports (continued)



Papers have been presented at overseas conferences, while sabbatical research programmes have taken Professor Des Eve to Cambridge; Professor Trevor Letcher to Carnegie-Mellon University, Pittsburgh; and Dr Santy Daya to the University of Texas, San Antonio, as a Fulbright Scholar.

A new Perkin Elmer Delta DSC and Thermogravimetric Analyser System, purchased with generous support from AECI, was commissioned for use by Professor Mike Brown's research group. Professor Brown's new book on *Thermal Analysis* was also published this year.

The Chemistry and Biochemistry Tours have become something of a tradition and provided staff and senior students with the opportunity of visiting a number of industries on the Reef.

One of the prominent visitors to the **Department of Classics** this year was Professor Douglas Gerber, Chairman of the Department of Classics at the University of Western Ontario, Canada. He gave two lectures, one on *The Gifts of Aphrodite* and the other on *Semonides on Women as Animals*.

The use of the PLATO computer-assisted learning system in the **Computer-based Education Unit** rose by almost 30 percent during the year, due largely to the highly successful installation of 16 terminals at the University of the Transkei.

One new school has linked to the system and existing external contracts have been maintained, raising the number of terminals outside Rhodes to 35. Links to the National Institute of Personnel Research in Johannesburg and Cape Town have also been made.

The Unit has developed a new testing and router system which has been used to develop and conduct tests for the Plant Sciences Department. The Unit has co-operated with the Student Adviser's Office and the Sanatorium is providing extensive information for the guidance of students in the areas of careers and health. New courses have been developed for the Journalism Department.

The Head of the Unit, Dr Graham Oberem is on study leave at the University of Texas, doing post-doctoral research in Computer-based Education.

Before leaving for Canada, Professor Riordan, of the **Department of Computer Science**, organized a very successful international conference on *Expert Systems*, in conjunction with the CSIR.

Research into parallel processing continued to flourish. Peter Clayton established a Transputer Laboratory, in which several postgraduate projects are now in progress.

The Computer Music Laboratory attracted much outside interest, and Richard Foss ran a popular series of lectures on computer music during the Standard Bank Festival of the Arts in Grahamstown.

Professor Pat Terry attended two overseas conferences as an invited member of the Modula-2 standardization committee, and lectured on Modula-2 at other South African universities.

Under the direction of the new Head of Department, Professor Sydney James, the **Drama Department** has had a very productive and successful year. *Story Theatre*, directed by Professor James, performed to much acclaim at Graduation and performed at the East Cape School's Festival in Port Elizabeth and at the National Schools' Festival in Grahamstown.

Gary Gordon's *Dance '88* programme was once again highly acclaimed, as was his *Mime* production.

The annual children's production, *Winnie the Pooh*, directed by Jane Osborne, was another success story and *The Visit*, the final production for the year, directed again by Professor James, showed the versatility of the Department and was well received in Grahamstown.



Biotechnology Honours students at work on important research projects. (Pictures: Obie Oberholzer)

Departmental reports (continued)

Several shows were presented in the theatre during the year, including the *Pieter Dirk Uys Show*, several children's programmes and some 52 performances of nine different plays, including two World Premieres and a South African Premiere during the Standard Bank National Festival of the Arts.

The Department hosted the conference of Drama Departments of South Africa in July.

Professor Trevor Bell returned to the **Department of Economics and Economic History** at the beginning of the year, after a year's leave spent mainly as Research Associate at the World Development Institute, Boston University. He was appointed Head of Department in the middle of the year.

Various improvements in the organization and structure of courses were approved and a successful workshop on *Economic Development in the Eastern Cape* was held at Rhodes in June.

During the second half of the year, a series of seminars involving a number of distinguished visiting speakers was held and members of the Department continued their research in a variety of areas. Papers were presented at conferences locally and overseas.

The scope of research undertaken in the **Electron Microscopy Unit** continued to expand, with the most noteworthy new area of research being the use of immunocytochemical techniques at the electron microscope level by Dr R Bernard and associate researchers from the Department of Zoology.

The Unit was once again well represented at the annual conference of the Electron Microscopy Society of South Africa held in Durban in December. At the annual meeting, the Unit's Director, Mr Robin Cross was re-elected to the executive committee of the Society and continues as Editor of the society's newsletter, *EMSSA News/Nuus*.

Three members of the **Department of English** published books during the year. Professor Malvern van Wyk Smith edited an anthology, *Shades of Adamastor: Africa and the Portuguese Connection*; Professor Guy Butler produced *A Pilgrimage to Dias Cross*, a narrative poem illustrated by Cecil Skotnes, and together with

his son, David, edited *Out of the African Ark*, an anthology of poems about South African Wild Animals; and Professor Don MacLennan published a volume of poems, *Collecting Darkness*.

Articles and reviews by members of staff were published in journals in this country and overseas.

Professor van Wyk Smith, Professor John Gouws and Mr Arthur Morgan read papers at the annual conference of the Association of University English Teachers of Southern Africa in Potchefstroom in July.

Dr Lawrence Wright spent six months in London doing research into the study and teaching of Shakespeare in Africa.

The **Department of Fine Art** had three major exhibitions this year. The staff had a big show for the Standard Bank Festival of the Arts in July at which Prof Robert Brooks, Joshua Nell, Noel Hodnett, George Coutouvidis, Dominic Thorburn and Obie Oberholzer all showed work. The staff and Masters students also took a show to the South African Association of Arts Gallery in Pretoria in September. The annual exhibition of students' work was held in November and featured over 350 works. The Department held nine internal exhibitions and several students received national recognition. Staff and students had work accepted for the Cape Town Triennial and the Durban Art Museum bought works by Robert Brooks, Joshua Nell, Dominic Thorburn and Noel Hodnett. Works

were also bought by the King George VI Art Gallery in Port Elizabeth. Obie Oberholzer exhibited on numerous shows and published a major book of photographs entitled *From Ariesfontein to Zuurfontein*, which has achieved national and international acclaim.

Professor Patrick Fein took over as Head of the **Department of French** in June and aims to continue the modern teaching methods already in progress in the Department. A very high level of French was achieved by students and links with France, and French-speaking groups within South Africa are being forged, to maintain this standard.

In 1987 the **Department of Geography** celebrated its 50th anniversary, and this year staff of the Department have been busy preparing a book on Fifty Years of Geography at Rhodes University — in honour of Professor J V I. Rennie. The volume is being edited by Professor J B Mcl Daniel and Dr R C Fox, and contributions have been invited from all who have been permanent members of the Department's staff.

Members of staff presented papers at conferences at several overseas venues, including the Nato Advanced Study Institute in Portugal and the Symposium on Social Science in Resource Management in Illinois in June.

Several visiting Geography Professors lectured to staff and students during the year. These



An example of Julia Bryce's work which helped to win her the Edith Struben Art Bursary worth R24 000. Julia obtained her B. Fine Art degree with a distinction for painting.



included Professor C R Twidale, from the University of Adelaide, Australia and Professor R J Fincham, Deputy Director of the Institute of Natural Resources at the University of Natal.

The restructuring of the MSc courses in Exploration and Economic Geology on a modular basis in the **Department of Geology** now allows for the enrolment of practising geologists in full-time employment, as well as full-time students. Instead of moving to Grahamstown for 12 to 18 months, candidates may now elect to accumulate credits for discrete modules of six-weeks duration, over a maximum period of three years of part-time study. The response to this change has been positive.

Professor F Pirajno visited Australia during the latter part of the year to assess training methods employed there in Exploration Geology. Professor J Marsh attended a conference on Geochemical Evolution of the Earth's Crust in Brazil. Professor R Jacob was invited by the Geological Society of South West Africa to lead a four-day field course through the area between Windhoek and Swakopmund. This area has been the focus of his research for the last 15 years, and the course drew 45 participants, including some overseas visitors.

A succession of ritual demands was placed on the **History Department** in 1988, as it was a key centenary year. Two staff members attended the *Trek* conferences at the Universities of Potchefstroom and Pretoria and a joint contribution by two historians, one from Rhodes and the other from the University of Port Elizabeth, enabled readers of the Eastern Province Herald to reflect briefly on the emancipation of slaves.

The Department also organized the historic section of the Monument Winter School programme on **Journeys of Discovery**. Professor Rodney Davenport lectured on the Medieval Background to the Voyages of Discovery.

He also lectured to a large audience at the University of Western Ontario on the historical background to the current South African crisis, while Dr Chris Hummel delivered the Dugmore Lecture on the historic *mentalité* of Port Alfred.

Dr Hummel also chaired the important session on cultural conservation and ideology at the Gencor-sponsored conference on the Conservation of Culture in Cape Town in June. The session provided many ideas for a radical manifesto to guide the government's policy on culture conservation.

The offer of the chair of History at the University of the Transkei to Dr Jeff Peires, which coincides with the pending graduation of the Department's first group of African MA students and the imminent publication of his history of the 1857 cattle-killing can be seen as a tribute to his work over 13 years in the Department.

Four students completed the Honours course in the **Department of Ichthyology and Fisheries Science** and three students completed their MSc theses.

Research projects undertaken in the Department include marine stock fish assessments, research on the fish and fisheries of the African Great Lakes, research on the biology, ecology and management of marine linefish including sharks along the eastern and southern Cape coasts, assessment of the value of marine reserves as a management option for reef fish species, investigations into the nutritional, spawning and environmental requirements of aquaculture candidate species, as well as studies on the ecology and systematics of freshwater fishes.

The Head of Department, Professor Tom Hecht and his research team have been busy investigating the commercial linefishery at Port Alfred. This research is undertaken at the Department's laboratory in Port Alfred.

Professor Hecht is also involved in numerous aquaculture projects in the Department's experimental fish culture facility. He and two of his students recently edited a book on the culture of sharptooth catfish in southern Africa. The aquaculture research projects of Mr Martin Davies on the dynamics of recirculating aquaculture systems also made excellent progress during the year.

The **Department of Journalism and Media Studies** installed a desktop publishing system for teaching and research. The system

was used for the 1988 production of *CUE*, the daily newspaper to the Standard Bank National Festival of the Arts.

The Department also produced a number of training and fund-raising videos for community organizations such as NEST Schools, the Molteno Project, INSET and Masizame Trade Centre.

The **Law Faculty** hosted several important visitors during the year, including representatives from leading firms of attorneys in the Transvaal who visited the Faculty early in the year to interview candidates for articles of clerkship. Without exception, they were impressed with the calibre of the graduates.

Mr J K Louw was appointed as the first full-time Director of the Legal Aid Clinic. The Clinic is an important feature of the local scene, and renders a valuable service to society and provides law graduates with much valuable practical training.

Professor J R Harker was appointed to the advisory board of the Small Claims Court for the Albany District and Mr M J Oelschig, was appointed by the Minister of Justice as a Commissioner of the Small Claims Court for the Albany District. Dr M A K Lambiris, a senior lecturer, was appointed as chairman of the Division of Computer-Assisted Legal Instruction of the newly formed Southern African Association for Computers in the Law.

The **Legal Careers Guidance Programme**, which was the brainchild of Mr J R Midgley, was held in June. The purpose of the programme was to give senior school children an insight into the career options available to a law graduate. As a result of this very successful programme, a number of highly motivated school children have expressed a desire to study law at Rhodes University.

The **Department of Linguistics and English Language** experienced a record first-year enrolment of 156 (up from 66 in 1986 and 90 in 1987). An enthusiastic English-Language Teaching Honours class of eight produced three Class 1 results - highly commended by the External Examiner.

Ms Mary-Louise Peires and Ms

Departmental reports (continued)

Vivian de Klerk were instrumental in establishing an Eastern Cape Forum for TESOL (Teaching English as a Second Language), launched at a conference in November at which Ms Peires read a paper.

The Department of Mathematics (Pure and Applied) gained two new senior lecturers, Dr J Chadwick and Dr V Murali. Dr Murali received his PhD from Rhodes University in April, under the supervision of Professor Wesley Kotze.

Both newcomers are now active members of Professor Kotze's growing research group on Fuzzy Set Theory with applications in Topology and Algebra. This group is unique in South Africa and has direct links with similar groups in the United States, Belgium, Austria and Poland. Professor Kotze returned early in the year from an extensive visit to these centres.

It was a particularly good year for the **Faculty of Pharmacy**, which hosted a large number of visiting lecturers, including Professor James Swarbrick from the University of North Carolina, Professor Keith Guillory from the University of Iowa, Professor Alexandros Makriyannis from the University of Connecticut, Mr Glen Merryweather from the Pharmacy Professional Awareness Campaign and Mrs Doreen Foster from Coty South Africa.

Several staff members and postgraduate students travelled overseas and papers were presented at the International Conference on Pharmaceutical Sciences and Clinical Pharmacology in Jerusalem, the International Conference on Drug Absorption in Edinburgh, the International Conference of Investigative Dermatology in Washington DC, the International Carbohydrate Symposium in Stockholm, a Symposium on Melatonin and the Pineal Gland in Hong Kong and the International Symposium on Column Liquid Chromatography in Washington DC.

Professor I Kanfer has again been elected as the President of the Academy of Pharmaceutical Sciences and Professor J M Haigh has been elected Secretary of the same body. Professor H Parolis and Dr L A S Parolis spent the year in Canada on sabbatical leave.

The Faculty has occupied its new facility for 12 months and is starting

to feel at home in the centre of the campus after years of isolation on the hill.

Dr Edward Echeverria left the **Department of Philosophy** to take up a position at Calvin College in Michigan. Dr Seumas Miller arrived from Australia to take up a Senior Lectureship and Professor Ian Macdonald continued his research work in the area of human rights and read papers at the 14th Annual Congress of the Philosophical Society of Southern Africa at the University of the Western Cape in January and at the Human Rights Conference in Port Elizabeth in December.

The Department continued to publish South Africa's leading philosophy journal, **Philosophical Papers**, in conjunction with the Philosophy Department at the University of the Witwatersrand.

Much of the effort of the **Department of Physics and Electronics** went into organizing the 33rd Annual Conference of the SA Institute of Physics, which Rhodes hosted in July. The conference was attended by over 250 delegates and was a great success. Associated with the conference was a Winter School on *Supernovas*, at which Professor Eddie Baart, Dr Fabio Frescura and Mr Justin Jonas delivered lectures.

Interesting visitors to the Department during the year included Professor Christoph Leubner from the University of

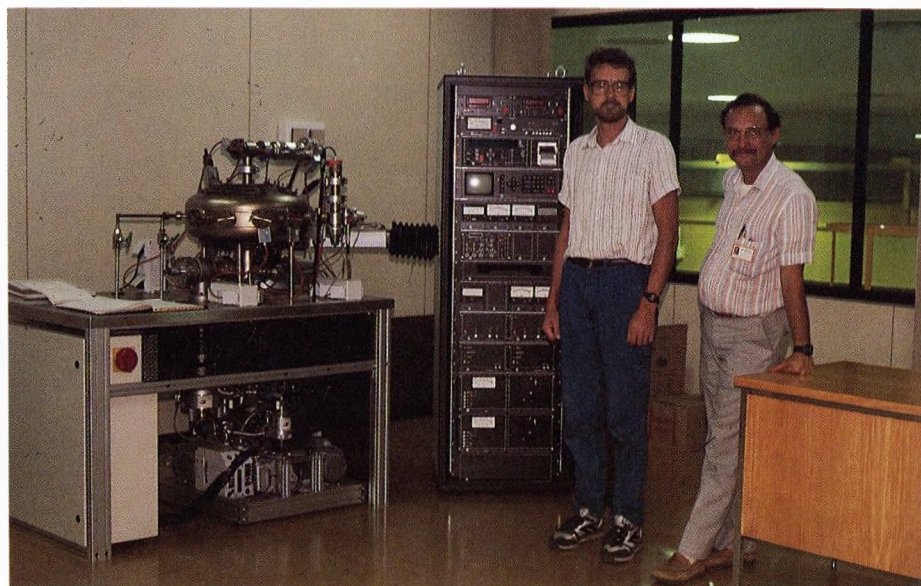
Innsbruck, who spent six weeks here as a visiting lecturer; and Dr Cyril Isenberg, of the University of Kent, who gave two fascinating lectures on *Soap Bubbles* and *Detecting Earthquakes*.

The Department hosted many school visits and gave the pupils some hands-on experience of electronics. Dr Georg Gruber also gave talks to schools all over the country.

During the year, the *festschrift* in honour of David Bohm, the noted quantum theorist, was published and Dr Fabio Frescura contributed one of the articles. Research in radio astronomy (Justin Jonas) and meteor physics (Graham Poole) continued during the year, and several papers were accepted for publication.

Staff in the **Department of Plant Sciences** continued their research in the field of ecophysiology, greatly assisted by the acquisition of some sophisticated equipment, including a controlled environment cabinet, with microprocessor-controlled light intensity, humidity and temperature, and several gas-analysers. Two of these analysers have been lent to Rhodes by the University of the Transkei.

The **Department of Political Studies** enjoyed a high profile year. Mr Chris Heymans co-edited a book entitled *Government by the People: The Politics of Local Government in South Africa*, and published various articles and two monographs on



Richard Grant, from the Department of Physics and Electronics, with Dr Dale Simonich (right) at the INPE Standard Laboratory in Brazil.



local government and state restructuring in South Africa. Mr Heymans was also a panelist at the Weekly Mail bookweek in Cape Town. Both he and Ms Marian Lacey also presented various research papers at academic conferences and seminars in South Africa and neighbouring states. Professor Terence Beard, Mr Heymans and Ms Lacey also contributed to IDASA's lecture series on Contending Ideologies in South Africa.

The Department has expanded its third year and honours options and now offers unique courses in Latin American studies and Local Government and Urban Politics. Members of the Department also contributed to the teaching programmes of the International Studies Unit.

The Department of Psychology continued to be the largest in the University as far as student numbers are concerned, with a total of 253 full-time equivalent students. At Master's level, 14 students were involved in the Department's Coursework programmes.

The Psychology Clinic, run by the Department, continued to be well supported and the Clinical Internship programme has successfully transferred from Komani Hospital in Queenstown to Fort England Hospital in Grahamstown. The integration of the internship with the first year programme has been greatly enhanced by the appointment of Dr Roger Brooke to a part-time post at Fort England Hospital. Good relations between the Psychology Department and the Hospital have been established and the Department's second year clinical students proved their worth by offering services in the Hospital at a highly professional level.

The foundations of a research programme in Community Psychology were laid, which should bear fruit in the form of useful applied research in the future.

Professor Kruger's book *An Introduction to Phenomenological Psychology* went into its second edition and his research report *Interpretation in Psychotherapy* was published by the HSRC.

Professor Edwards attended the World Congress of Behaviour Therapy in Edinburgh and presented two papers based on research done by Master's students in the



Dr P E Hulley, of the Department of Zoology and Entomology is researching the effects of the common "Bugweed" in a pine plantation.

Department. He also attended the Conference of the International Transpersonal Association at Santa Rosa in California.

Members of staff of the **Department of Social Work** were actively involved in the planning and presentation of a one-day symposium on *Employee Assistance Programmes* held in Port Elizabeth early in the year. This was followed up by a one-day workshop held in Cradock during August on *Social Work in Rural Communities*.

The first intake of students for the four-year social work course were registered. The transition to a four-year course continues and is working well.

A major restructuring of all courses in the **Department of Sociology and Industrial Sociology** came into effect. The most important aspect of this restructuring is that all second and third year students are now involved in empirical research projects, second year students in group projects and third years in individual projects. A considerable grant has been given to the Department for student research by the Anglo American and De Beers Chairman's Fund.

A computer laboratory has been established and tutors from the Departments of Computer Science and Mathematical Statistics are guiding our students' data analyses.

The Head of the Department, Professor Jan Coetzee co-authored the publication *Religion: Intergroup Relations*, and *Social Change in South Africa*, and articles by Professor Coetzee, Mr K Helliker and

Mr G Wood appeared in various journals.

Under the leadership of the new Head of Department, Professor R Hepburn, 1988 has proved to be a stimulating one for the **Department of Zoology and Entomology**. Professor Hepburn has formed a keen group of young researchers engaged in trying to quantify both environmental and physiological variables relating to wax synthesis and the integration of behaviour with hormones.

Research took members of the Department to Israel, Plymouth, Aberdeen, King's College, London, Oxford and Marion Island.

In September, members of staff travelled to Europe, where Dr S Compton attended the AETFAT meeting in Hamburg. Dr A Hodgson, Mr C de Villiers and Miss K Dower presented communications at the 23rd European Marine Biology Symposium in Swansea. Dr A Craig was an invited speaker at the 100th annual meeting of the Deutsche Ornithologen-Gesellschaft in Bonn and then went on to visit the Natural History Museum in Vienna.

Distinguished visitors to the Department included such names as Dr Mike Raath, the Director of the Port Elizabeth Museum, Dr Ray Barlow from the University of Cape Town, Dr Donald Barnard from the Lone Star Tick Laboratory in Oklahoma and Dr Hans Malicky, from Lunz, in Austria.

During the year, Dr P Hulley was appointed to Associate Professor and Professor Hepburn was appointed to the Council of the Royal Society of South Africa.

Research Institutes and Organizations affiliated to Rhodes University

Albany Museum

The Museum once again enjoyed close co-operation with Rhodes University. Museum staff have been actively involved in giving lectures, practicals and field courses in the departments of Geology and Zoology and Entomology. The Museum's Education Department, in conjunction with the J L B Smith Institute and NELM's Education Department, offered a joint programme for fourth-year education students on services and resources available at museums. A geological workshop for senior school pupils was jointly planned and organized by staff of the Museum and the Department of Geology and was sponsored by the Johannesburg Chamber of Mines. It is hoped that this successful venture will become an annual event.

Visits by scientists from the United States, the United Kingdom, Belgium, Australia, Germany, the Netherlands and Japan proved to be of mutual benefit to researchers at both the Museum and the University.

Several papers were delivered at symposia - the highlight being Dr Fred Gess and Mrs Sarah Gess's paper at the International Congress of Entomology at the University of British Columbia in Vancouver. A total of 27 scholarly papers were published during the year and the Museum launched its new magazine, *The Phoenix*.

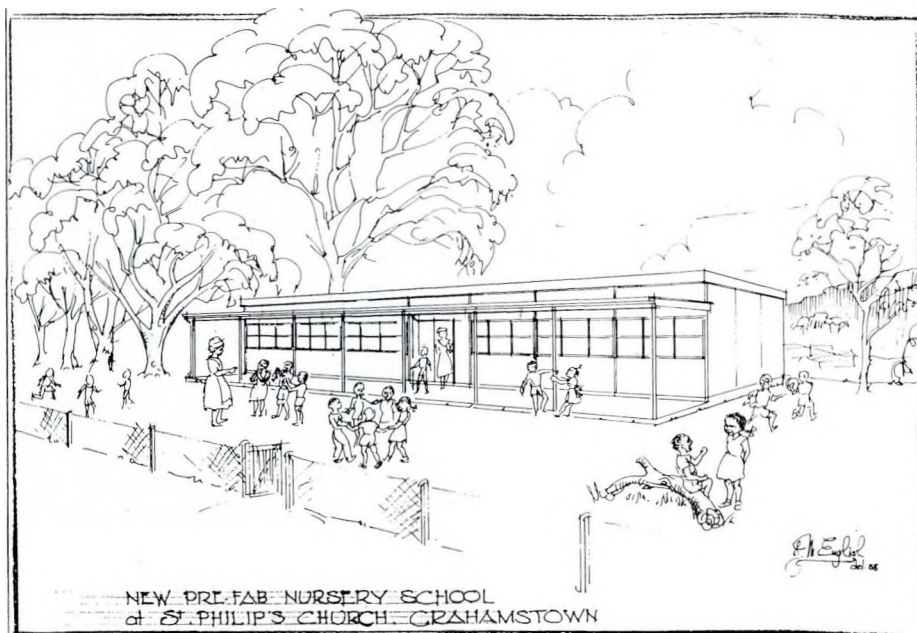
Biopharmaceutics Research Institute

Sponsored by Lennon Limited, the Institute has initiated major programmes for the study of factors which affect the performance of drug products in patients. One of its main objectives is to assess new drugs destined for the local and overseas market.

Centre for Social Development

This year another pre-school community-based facility was established in the Fingo Village. The nursery school for fifty children opened in October.

Shaw Hall Day Care Centre and Sun City (squatter camp) Nursery School - now both a year old - continue their good work with the provision of a balanced pre-school



An artist's impression of the new pre-fabricated nursery school at St Philip's Church, Grahamstown.

programme and two nutritious meals each day.

The Centre now has 50 child care centres in the Grahamstown area which provide for some 900 disadvantaged children.

A further new development is the Centre's involvement with black pensioners, and staff at the Centre will soon be running lunch and activity centres in the townships.

In recognition of her outstanding service to the community, the Director of the Centre, Mrs Thelma Henderson, was invited to sign Grahamstown's Distinguished Citizen's Register in 1988.

English Dictionary Unit

The unit co-hosted the highly successful Congress of the Linguistic Society of Southern Africa, *Dictionaries, Discourse and Society*, in July at which the guest of honour was Dr Robert Burchfield, former Chief Editor of the Oxford English Dictionaries.

Hermann Ohlthaver Institute for Aeronomy

The Institute was dealt a severe blow with the death of the Director, Professor Jack Gledhill, in June. Dr Allon Poole is now the Acting Director.

The Institute was visited in July by Professor Ted Rosenberg, an eminent American solar-terrestrial physicist.

In October, Mr Bo Bonnevie (Electronics Research Officer) accompanied the SA Agulhas on the Gough Island relief voyage to reconnoitre for a proposed radar experiment.

Mr Richard Grant visited the LIDAR installation at the Instituto de Pesquisas Espaciais at Sao Jose dos Campos, in Brazil. He spent two weeks in consultation with this foremost research group and brought back information that could lead to improvements in the LIDAR system.

Hydrological Research Unit

This Unit carries out research on a variety of aspects of computer-based, mathematical modelling of hydrological systems through five-year projects funded by the Water Research Commission.

During 1988, the fourth such project was successfully completed and the final reports submitted to the Commission. This project concentrated on testing the general acceptability of deterministic flood simulation models as well as assessing several aspects of applying stochastic models to semi-arid

Research Institutes and Organizations affiliated to Rhodes University (continued)



situations. A concurrent project, designed to investigate and model the processes of irrigation return flow in the Lower Sundays River Valley is progressing satisfactorily.

The Unit has also been involved in smaller, shorter term projects. One example is the work carried out for the Port Elizabeth Municipality to estimate flood levels likely to occur in the Swartkops estuary. This project has been carried out in conjunction with the National Research Institute for Oceanology (NRIO) of the CSIR. A further short term project has been the compilation of an information report on the water resources of Region D for the Development Bank of Southern Africa.

Institute for Freshwater Studies

The major research emphasis of the Institute is on river and estuarine ecology. Current projects include investigations of the downstream effects of impoundment and inter-basin water transfers, and of the community structure, energetics and feeding behaviour of invertebrates.

Dr J O'Keeffe, Director of the Institute, is also involved in conservation research on the rivers of the Kruger National Park. Dr D Taylor received his PhD in 1988 for his research on tidal exchange of carbon, nitrogen and phosphorus in estuaries.

Institute for the Study of English in Africa

The Institute's largest project, the Molteno Project, expanded its work of training junior primary teachers in the use of more effective ways of teaching reading and writing, both in the mother-tongue and in English.

The Project held a major five-day conference at the University of the Witwatersrand, on *New Approaches to the Training of Teachers in the Lower Primary School*.

An informal audit of the Molteno Project's impact indicated that, in the 14 years of its existence, the Project had reached (at a conservative estimate) over 14 000 teachers, and, through them, at least two-and-a-half million children.

In his inaugural lecture in May, the Director of the Institute, Professor Paul Walters, focused on the role of the Molteno Project as

one of the hopeful signs for English in southern Africa in the year 2000.

The Institute continued its involvement in the development of courses in teaching English as a second language in the Department of Education at Rhodes, and began a new project in conjunction with St Andrew's Preparatory School, where an enrichment class was instituted, using Molteno Project materials and catering for children whose lack of competence in English would otherwise exclude them from an English-medium school. Research into all aspects of this venture will aim to provide guidelines for other schools wishing to follow this school's example.

Institute of Social and Economic Research

The International Studies Unit (ISU), sponsored by the Ford Foundation was inaugurated. This joint ISER-Political Studies Department initiative attracted eight students and four others monitored papers offered within the ISU. The ISU's Director, Professor Koos van Wyk, visited the United States to attend conferences of the American and International Political Science Association.

He also visited the Graduate

Institute of International Studies, Geneva, to follow-up on the Swiss Government-sponsored exchange programme between that institute and Rhodes.

Dr John Stremlau, the distinguished American Africanist, spent a semester teaching in the ISU. His visit was sponsored by the United States Information Agency.

Professor Bill Davies, Director of the Development Studies Unit, also visited the United States on a visitors' programme.

In March, he accompanied Professor Peter Vale, the Institute's Director, on a visit to Mocambique. On a previous visit to that country Professor Vale delivered a paper at the first Memorial Seminar of the Centre for African Studies at Eduardo Mondlane University. He is the first South African-based social scientist to have been invited to participate in a seminar at that university since Mocambique's independence.

Under the University Fellowship programme, the ISER was host to Dr Susan Booysen, a Political Sociologist from Rand Afrikaans University; Professor James Thayer, an Anthropologist from Oklahoma State University and David Everatt, an historian from Oxford.



Dr Jay O'Keeffe, Director of the Institute for Freshwater Studies, using a box quadrat to sample invertebrates in the Blindekloof River, near Uitenhage.

Research Institutes and Organizations affiliated to Rhodes University (continued)

International Library of African Music

The major task of 1988 was designing the planned new building, which will house the Library's instrument collection, the archive, a modern sound-recording studio and provide better facilities for teaching and performing.

Good progress is being made at cataloguing ILAM's collection of books, journals, articles and recordings.

In January, Andrew Tracey helped to organize performances at the Oude Libertas Amphitheatre by Mwenda Jean Bosco, the famous guitarist from Zaire.

He was invited to Windhoek in March to teach transcription in African music to a group of teachers and researchers and then spent two weeks carrying out field research in Kavango.

In June he travelled to Maputo to confer with the Department of Culture there about the possibility of arranging an overseas trip by the Chopi xylophone orchestra, and the pressing of a record.

Mr Tracey travelled to Venda in September to attend the seventh symposium on ethnomusicology held at the University of Venda, where he delivered two papers.

In October ILAM had an extended visit by five music inspectors from Bophuthatswana, who came to learn how to include ethnic music in their school curriculum.

J L B Smith Institute of Ichthyology

The Institute's energies have been focused on planning and organizing special events to commemorate the fiftieth anniversary of the identification of the Coelacanth, *Latimeria chalumnae*, in February 1989.

The discovery of the Coelacanth in February 1939 was described as the biological find of the century, and the staff at the Institute have worked hard to make sure that the anniversary celebrations will make the world realize the importance of conserving this remarkable fish - the longest surviving species of a group of fishes which was thought to have become extinct millions of years ago.

As a fitting tribute to this "living fossil", the late Professor Margaret Smith tried to have the Coelacanth



A Khoe Bushman family listening to the playback of father's music with the Ndingo Mbira (thumb piano) at their village near Andara Mission, Kavango, Namibia.

discovery commemorated on a set of South African stamps. Her first appeal, in 1963, was rejected, as was a subsequent appeal by herself and her successor as Director of the Institute, Professor Mike Bruton.

However, it was a case of third time lucky, and four postage stamps will be issued by the South African Post Office in February 1989.

Leather Industries Research Institute

LIRI has received research and development contracts in leather processing from major European chemical manufacturing companies. This is gratifying, since these chemical companies are much closer to several major research institutes in Europe, and is a further justification for the modernization of the LIRI Experimental Tannery started several years ago.

The wave of interest in Biotechnology has many features of importance in the leather industry. At the input end, LIRI has launched an intensive bacteriological and microscopical investigation of which bacteria, and their associated enzyme systems, are used to remove, or assist with the removal of the hair or wool, and to help eliminate unwanted proteins from the leather. At the output end of

the industry, aerobic and anaerobic bacterial enzymes can be used to assist with the purification of production wastewater.

In collaboration with the CSIR and Rhodes, LIRI continues to develop computer software for footwear manufacturers. These computer systems are aimed at improving productivity in manufacture, through assistance with measuring the efficiency of sewing machines and machinists, with work study and with maximum use of materials.

National English Literary Museum

Among the Museum's most significant manuscript acquisitions was the Baptismal Register of the Wesleyan-Methodist Mission Chapel, Wittebergen. This register records the baptisms of that community for more than two decades, from the middle of the last century.

The register is an important source document for research into the lives of Olive Schreiner and her family, since it records the baptisms performed by Gottlob Schreiner between 1852 and 1886 and contains the baptismal entries of three of the Schreiner children, including Olive herself.



Publications included *Shades of Adamastor*, published jointly with the Institute for the Study of English in Africa to commemorate the quincentenary of Dias' rounding of the Cape, and *F T Prince* interviewed by Stephen Devereux - a lengthy interview with the well-known expatriate South African poet.

Plant Nutrition Research Unit

The Unit continued its work to help pineapple farmers achieve optimum growing conditions. Funded by the Pineapple Growers' Association, the Unit analyses pineapple leaves, as well as soil and water samples, for farmers affiliated to the Association. Leaf samples are tested twice a year. Soil and water samples are tested as required.

The results of the tests on the samples are relayed to farmers by agronomists employed by their respective co-operatives. The test results are used as a basis for fertilizer recommendations to correct deficiencies revealed by the tests.

Tick Research Unit

A new course of research under the direction of Professor Bruce Fivaz, Director of the Unit, was started. The Unit aims to identify tick resistant cattle breeds as a basis for placing less reliance on insecticides as a means of controlling ticks. The economic impact of tick infestation on the productivity of various breeds of beef cattle is also being assessed.

The development of a tick vaccine is another important objective of the Unit. Projects in this area of research were undertaken by third year and honours students, and the results are encouraging.

An extensive study of the role played by rodents in maintaining tick populations was completed and results indicate that rodents carry large tick burdens and are an important consideration in the ecology of many of our tick species.

The University Library

A special effort was made to increase the contact between the Library and the rest of the University community. Two events were arranged to enable the

Library staff to meet the members of the Library Committee and the Students' Representative Council. A number of displays were arranged, including one on the bibliographic search service available on SABINET and one on the archival service provided for SRC documents in the Cory Library. These two displays in particular have had a noticeable impact on the use made of the services concerned.

A weekly display of the new books acquired by the Library has proved a great success. Students especially are often to be found browsing through these titles and reservations have averaged 48 per week. Plans are well in hand to provide new students in 1989 with a more intensive training in how to use the Library.

Despite the steady erosion of the buying power of the rand, the Library was able to acquire 5905 books during the year - the largest number of new titles since 1982. The alarming increase in the cost of books and periodicals is one of the factors encouraging universities to co-operate with one another, and the libraries of Rhodes, Fort Hare and the University of Port Elizabeth began work this year on a project to rationalize periodical holdings. It is intended that by sharing resources, each library will be able to cancel some subscriptions and thereby achieve substantial savings.

The Rhodes Library and the University of Port Elizabeth Library jointly appointed a consultant to make recommendations regarding the computerization of these two Libraries. The universities have agreed in principle to work together on this project and to use the same computer system.

The University's undertaking to upgrade sports facilities started in June with the installation of improved floodlighting on all the playing fields and the provision of a well-equipped Swimming Pool Supervisor's office.

The Sports Council experienced relatively few teething problems in coming to grips with the new constitution and the parallel South African Tertiary Institutes' Sports Council (SATISCO) and South African Universities (SAU) bodies settled into a highly successful sporting year.

SATISCO teams travelled to the University of Cape Town and the University of Natal Medical Campus, and hosted tours from the University of the Witwatersrand, Medunsa and the University of the Transkei.

The SAU clubs generally experienced a successful year and their showing at the annual Intervarsity encounters is testimony to improving standards.

Both the men's and the women's squash teams acquitted themselves well, with the women's team overwhelming all local competition to win the league convincingly.

They beat the University of Port Elizabeth at Intervarsity and became the SAU Champions. Cindy Roberts and Dione Johnson represented Eastern Province.

The women's hockey club finished third in the Eastern Province League and the volleyball teams played consistently well to finish fourth at SAU.

Rod Walker and Gerry Christophides, apart from representing Eastern Province at basketball, had the honour of playing against the touring Taiwanese team. Swimming re-established itself as an important club on campus and Rhodes swimmers took part in a number of galas. The highlight of the year was the convincing win over the University of Port Elizabeth at Intervarsity.

Rowing received a boost when, after a major fund-raising drive, the club took possession of a new John Waugh racing eight and a set of carbon fibre blades. The performance of the club achieved new heights with the men's section winning the Border championships coxed IVs and VIs.

Composition of student body

Student Numbers 1988

		Arts	Commerce	Divinity	Education	Law	Pharmacy	Science	Social Science	Occasional students	Total
Under-graduates	1987	1113	774	30	83	16	224	412	151	56	2859
	1988	1080	713	28	87	10	215	400	187	107	2827
Graduates	1987	277	48	35	217	70	13	160	22	—	842
	1988	288	54	22	239	68	12	196	30	—	907
Total	1987	1390	822	65	300	86	237	572	173	56	3701
	1988	1368	767	50	326	78	227	596	217	107	3736

Graduation April 1989

As this report is printed before graduation, there may be changes to the April 1989 awards. Final figures will appear in next year's report

		Arts	Commerce	Divinity	Education	Law	Pharmacy	Science	Social Science	Total
Under-graduate Diplomas & Certificates	1988	16	28	1	25	—	—	—	—	70
	1989	6	2	—	16	—	—	—	—	24
Bachelor's Degrees	1988	239	118	2	—	—	52	88	31	530
	1989	242	95	2	9	2	47	62	41	503
Post-graduate Diplomas & Certificates	1988	18	14	—	55	—	—	1	1	89
	1989	24	27	—	55	—	—	—	1	107
Second Degrees	1988	82	11	12	29	27	—	51	5	217
	1989	90	18	5	37	22	—	59	8	239
Master's Degrees	1988	29	2	3	10	1	2	24	3	74
	1989	33	3	1	9	—	1	26	3	76
Doctorates	1988	2	—	—	1	1	3	6	—	13
	1989	10	1	—	—	—	1	6	—	18
Total Diplomas & Certificates	1988	34	42	1	80	0	0	1	1	159
	1989	30	29	—	71	—	—	—	1	131
Total Degrees	1988	352	131	17	40	29	57	169	39	834
	1989	375	120	8	55	24	49	153	52	836
Total Awards	1988	386	173	18	120	29	57	170	40	993
	1989	405	149	8	126	24	49	153	53	967



Dedication: Academic Freedom

At a meeting of the Academic Freedom Committee of Rhodes University on May 3, 1983 those present solemnly re-affirmed their belief in academic freedom as follows:

"It is our duty to uphold the principle that a university is a place where men and women, without regard to creed or colour, are welcome to join in the acquisition and advancement of knowledge.

"That it is the duty of the university to guarantee the rights of participants in the opportunities and privileges made available by belonging to a university.

"That academic freedom is essential to the integrity of institutions of higher education and the unfettered pursuit of truth.

"That the ideals of academic and human Freedom are intimately bound up with each other, and that free universities cannot exist in an unfree society.

"We pledge ourselves to work for the attainment of these ideals in South Africa within our respective institutions, and to continue faithfully to defend them against encroachment in any form."

