



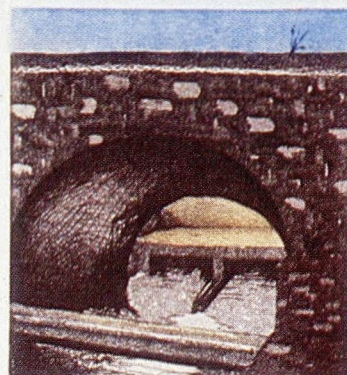
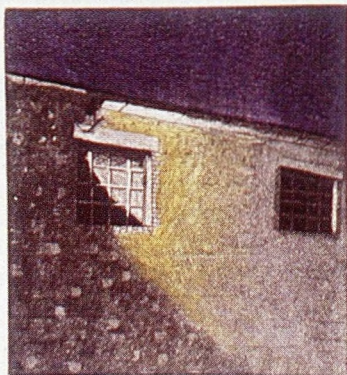
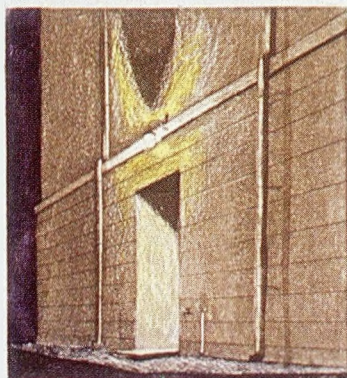
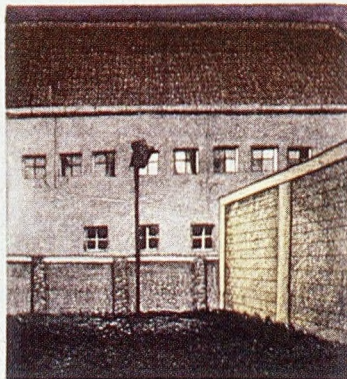
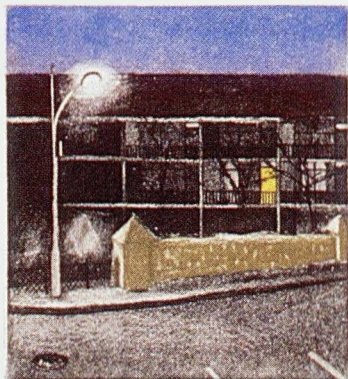
# Rhodes University

Annual Report • 1990





# RHODES UNIVERSITY ANNUAL REPORT 1990



The Rhodes University Annual Report is produced annually by the Public Relations Division of Rhodes University, Grahamstown.

Edited and designed by Jane Burnett  
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**Cover:** Woodcut by Helen Robertson, Master's student in Fine Art.

**Above:** Colour etching by Warren Ralls, Master's student in Fine Art.

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## Officers of the University

**Chancellor:** Dr GWH Relly

**Principal and Vice-Chancellor:**

Dr DS Henderson

**Vice-Principal and Pro-Vice-Chancellor:**

Dr R van der Merwe

**Chairman of Council:** Mr LS Dorrington

**President of Convocation:**

The Hon Mr Justice TM Mullins

**Registrar:** Dr KS Hunt

## Deans of Faculties

**Arts:** Professor MG Whisson

**Commerce:** Professor P van der Watt

**Divinity:** Professor BP Gaybba

**Education:** Professor TA Marsh

**Law:** Professor JR Harker

**Pharmacy:** Professor B Potgieter

**Science:** Professor ME Brown

**Social Science:** Professor TVR Beard

## Rhodes University Foundation

### The Board of Governors

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Mr BC McCarthy

Mr D Niven

Dr RA Plumbridge\*

Mr JM Power

Mr CHB Pringle

Mr BS Rayner

Dr GWH Relly (*Chancellor*)

Mr DB Riley\* (*Chairman of Investment Committee*)

Mr RB Savage\*

Mr PM St L Searle

Mr WS Yeowart\*

\*Denotes members of the Investment Committee

Founded in	1904
Students	3963
Men	2134
Women	1829
Grahamstown students	3627
East London students	336
Academic staff	259
Student/Staff ratio	15:1
Halls of Residences	32
Residences	39
Students in residence	1867
Grounds	203 hectares





There was something very appropriate in the timing of Mr De Klerk's announcement on Can-  
dlemas 1990 that the old order was to change. In that February 2nd speech the State President lit a candle of hope for all South Africans. For Rhodes University it seems to have been the key to re-opening academic doors which closed one by one over the past few years. The number of Rhodes academics who were able to visit universities abroad and to interact with their foreign colleagues has risen remarkably.

At Rhodes, students started to bring together their various organizations with a "non-racial" campaign that will, we hope, bear fruit in July 1991 when the National Union of South African Students (NUSAS) and the South African National Students Council (SANSCO) intend to unite. We also hope that the sporting organizations will drop their separate racial divisions next year.

The field of education has been discussed by a wide range of South Africans and, in its way, offers great and exciting opportunities for the development of our society. One aspect that causes much concern is the problem of paying for the extra facilities and teaching that all agree are needed.

The key could lie in ideas that were presented to the Ciskeian Conference on Education in East London a decade

ago. I said that the problem of disparity of resources must be faced squarely. We are aware of how much more the State spends on the annual education of a white child than it does on a black one. The disparity in resources not only encompasses teachers' salaries, but also obvious contrasts in the qualifications of the teachers and in the quality of school buildings, laboratories, equipment, libraries and playing fields. It will take an enormous deployment of resources to bring the quality of all education up to the standards enjoyed by white school children. Although it is not feasible to do so in the short term there is a way out of this dilemma. The fiscal authorities should be charged with determining how much the public exchequer can afford towards the per capita annual cost of the education of every child in South Africa, regardless of race. A reasonable estimate of this figure would be about R1 400 a year, about what is currently spent on Indian education, more than is spent on African and coloured education and about half of the white quota. This re-allocation of resources would permit an enormous upgrading of African and coloured education, but would present a severe problem for white schooling. My answer is, if that is the sum that the State can afford then those who desire a level of education above this minimum must make sacrifices to obtain it. The State should provide what it can by way of teacher posts and buildings, and the Governing Body of the school, after consultation with parents, must provide extra facilities by levying fees. As a reasonable compensation for the lower level of funding of the better endowed schools, all school fees should automatically be tax-deductible.

There is an excellent and most successful precedent in Bloemfontein where several former private schools operate on precisely this system with excellent results. The Province maintains the buildings and pays the salaries of the established quota of teachers. Extra teachers and other facilities are provided through fees far below the level of most private

schools.

This mechanism has the advantage of eliminating all unfairness in the allocation of State resources to schooling. It also eliminates an artificial and inequitable distinction between private and state schools. Every school would become in fact a potential private school, in that it would have the right to levy fees to provide facilities beyond those which the State can afford. Those parents, black or white, who are prepared (or able) to make extra sacrifices to provide their children with superior education would be given an opportunity to do so. Those who will not, will be provided with, in most cases, a far better education than is presently the case.

The reports on the University's various components follow. It will be seen that 1990 was an active and successful year for Rhodes. We intend to maintain this momentum.

*Derek S. Henderson*

Derek S. Henderson  
VICE-CHANCELLOR



# RHODES UNIVERSITY FOUNDATION CHAIRMAN'S REPORT



The summarized financial statements of the Foundation reflect an increase in the value of the Foundation capital of R2 963 000. Of this sum R958 000 was made up of donations for specific purposes and R519 000 was received in the form of donations for general University purposes. The balance of the increase, R1 486 000, was accounted for by an increase in market value. It is pleasing to report such an increase for this last year as a number of funds which have similar investment portfolios did not perform as well.

The amount received from donors referred to above is not reflected as income but is accounted for by way of increase in the Foundation's capital. The policy of the Foundation's Investment Committee and the Portfolio Managers is to invest reasonably permanently in sound secu-

rities (including interest bearing securities) and changing these investments only as the circumstances alter. The investment climate is at present very difficult and the Investment Committee plan anticipates a nominal increase in value for the current year. A brief summary of the investments held at the year-end is given below.

It is with sadness that I report the death of Mr LB Green who became a Governor during 1990. The Board welcomes Mr GWH Relly who is the new Chancellor of the University and Mr LS Dorrington who is the current Chairman of the University Council.

*JB Sutherland*

JB Sutherland  
Chairman of the Board of Governors  
Rhodes University Foundation

## Investment Portfolio

	1989		Rands thousands		1990		Rands thousands	
	Cost	%	Market Value	%	Cost	%	Market Value	%
Mining and Mining Financial Shares	6 093	30	15 738	47	6 697	22	10 225	28
Industrial Shares	2 239	11	5 494	16	5 933	20	8 011	22
Medium- and Long-term Interest Bearing stocks	1 179	6	1 283	4	7 646	25	7 907	22
Short-term Interest Bearing stocks	10 957	53	10 957	33	9 945	33	10 365	28
	20 468	100	33 472	100	30 221	100	36 508	100

## Summarized Income Statement

	Rands thousands	
	1989	1990
Income from Investments	2 131	2 820
Dividends	775	851
Interest	1 346	1 959
Other income	10	10
Less expenses	53	233
NET INCOME	2 078	2 587
Less: Distributed to and expended for the benefit of Rhodes University and other funds	1 707	2 349
Retained for re-investment	371	238

## Summarized Balance Sheet (at market values)

	Rands thousands	
	1989	1990
Fundholders' capital employed		
Foundation	20 444	21 945
University and others	13 101	14 563
	33 545	36 508
Employment of capital		
Investments and cash	33 472	37 125
Add accounts receivable	259	—
	33 731	37 125
Less accounts payable	186	617
	33 545	36 508



## RHODES UNIVERSITY FINANCIAL REPORT 1990

The report for 1989 highlighted the need for careful planning and management of the finances of the University. The trend towards reduced subsidization by the Government has continued and has resulted in the need to increase student fees for tuition by approximately 20% for 1991.

The report below shows that income from Government subsidies, measured as a percentage of total University income, has reduced by 1%. Although this might appear to be small, the impact of inflation on this adjustment was significant. The picture for 1991 is

equally disturbing in that, for each subsidy rand due to the University, the Government will only fund 73.7 cents. The need therefore to continue to derive own income through student fees and investment income remains a priority in the financial planning of the University. The generosity of those who contribute by way of donations, bursaries or grants is acknowledged with gratitude. The Governors of the Rhodes University Foundation deserve particular mention in this regard for the part they play in assisting with generating investment income for the University. 1990 was expected to be a

difficult year and this is reflected in the financial statement of the University shown here. The surplus available for transfers to reserves reduced from 10% to approximately 6%. No such transfer is expected for 1991.

The residences continue to be operated on a self-supporting basis as no subsidy is received from the State towards their funding. Residence fees are fixed at levels to meet running and maintenance costs and to provide small reserves for the high level of maintenance required to maintain the fabric in the long term.

### Income Statement: University

	<i>R millions</i>			
	1989	%	1990	%
<b>INCOME</b>	<b>46.7</b>	<b>100</b>	<b>54.6</b>	<b>100</b>
Government subsidies	32.3	69	37.3	68
Student fees	10.1	22	11.9	22
Investment income	3.0	6	3.8	7
Other	1.3	3	1.6	3
<b>EXPENDITURE</b>	<b>46.7</b>	<b>100</b>	<b>54.6</b>	<b>100</b>
Salaries and Benefits	28.8	62	35.1	64
Operating Expenses of buildings, grounds and equipment	3.0	6	4.2	8
Loan interest and redemption	2.5	5	2.7	5
Central administration	3.5	8	4.2	8
Departmental and research grants including library books	4.1	9	5.2	9
Other including transfer to reserves	4.8	10	3.2	6

### Income Statement: Residences

	<i>R thousands</i>
<b>INCOME</b>	<b>9 247</b>
Residence fees	8 645
Other income	602
<b>EXPENDITURE</b>	<b>9 247</b>
Food	2 385
Salaries and wages	2 067
Power and water	980
Loan interest and redemption	450
Laundry	352
Replacements and maintenance provisions	2 273
Other expenses	740



## DEPARTMENTAL REPORTS



**T**he Accounting Department once again mounted a Tax Clinic to assist taxpayers with their returns.

The Department hosted the annual meeting of the Taxation Interest Group of the Southern African Accounting Association which coincided with the third annual Income Tax Special Moot Court.

Professor Derek Forsyth completed a year's sabbatical leave spent at the University of Durban-Westville and Professor Jeff Rowlands undertook a study tour of Australian universities.

The Department of African Languages was joined by two new staff members - Mrs Zinnia Baai and Miss Gloria Tyolwana. Mr Ephraim Lesoro, Lecturer and South Sotho specialist, obtained his MA from the University of the Orange Free State while Professor Peter Mtuze, Head of Department, obtained his PhD from the University of Cape Town. Both received Alty Awards in recognition of their success.

The Department was honoured to receive Dr E Kotlyar, a folklorist and Senior Research Fellow from the Institute of World Literature in the USSR Academy of Sciences in Moscow, who lectured on African legends and folklore.

Another highlight was Professor Mtuze's entertaining inaugural lecture on *The role of African Languages in a post-apartheid South Africa*.

Professor André Brink, Head of the



Mr Peter Phillipson of the Botany Department visited remote places in Madagascar researching the flora and vegetation of this fascinating island.

**Department of Afrikaans en Nederlands**, served on an international jury which awarded the Jean Jacques Rousseau Prize for Philosophy in Geneva. He then proceeded to Canada to lecture at the annual gathering of the Alberta Writers Union. Professor Brink also delivered papers at the Universities of Calgary and Alberta and offered a reading at the prestigious Harbourfront Series in Toronto. In November he delivered the manuscript of his latest novel to various publishers in Europe.

Mr Etienne van Heerden was one of 24 writers from all over the world to be invited to the United States on a writers' programme. He spent seven weeks lecturing at the University of Iowa, Iowa City and was also invited to lecture in the Department of Germanic Languages and Literature at the University of Texas, Austin. Mr Van Heerden is now an Honorary Fellow in Writing of the University of Iowa.

Dr Pat McAllistar left the **Anthropology Department** to head the Wits department but was welcomed back a few months later as Director of the Institute of Social and Economic Research (ISER).

With Professor Michael Whisson as Dean of Arts, Dr Robin Palmer acting Director of the ISER and Ms Julia Segar and Dr Gina Buijs on Staff Association Committees, the Department was fully involved in University life. Dr Cecil Manona of the ISER and Professor Whisson also completed their third evaluation of the burgeoning pre-

schools in the Border region for the Van Leer Foundation.

The **Department of Business Administration** spent another active year in the areas of teaching, research and management development programmes.

As part of a lecture series on the *Environment of Business*, addresses were given by Mr John Kane-Berman of the Institute of Race Relations, Dr Cees Bruggemans of First National Bank, Professor Sampie Terblanche of the University of Stellenbosch, Mr Ron Kraybill of the Centre for Inter-group studies at the University of Cape Town and Mr Clive Schreuder, Managing Director of Johnson & Johnson.

Permission was granted to establish **Business Information Systems** as a separate department with Professor Malcolm Sainsbury as Head.

**Biochemistry and Microbiology** were officially linked as a single department in 1990 with Professor John Duncan as Head and Professor Ralph Kirby as Professor of Microbiology. The combined department had one of the largest postgraduate groups at Rhodes with 16 Honours students, 23 MSc and PhD students and two post-doctoral fellows.

Professors Duncan and Chris Whitely and Mr Peter Rose presented papers at international meetings during the year. Dr Santy Daya was invited to the American Neuroscience Congress in Missouri as a recipient of the prestigious Bristol-Myer Neuroscience Award for 1990. Research students in





Research by staff and postgraduate students plays an important role in the Chemistry Department. Here are (left to right) Back row: Mr Patrick Siswana, Professor Trevor Letcher (Head of Department), Mr Justin Hagemann, Dr Brian La Trobe (City Councillor) and Miss Renate Schütte. Front row: Miss June Mercer-Chalmers, Mrs A Prasad and Mrs S Ravindran.

the Department also presented numerous papers at scientific meetings.

Microbiology moved into the top floor of the Zoology building at the end of the year. The Gold Fields Biotechnology Centre, part of the new complex, has been a stimulus to continued expansion of the Rhodes Biotechnology programme.

Since the 90s are known as the "decade of biotechnology", the **Botany Department** has committed itself to the development of the plant sciences in southern Africa. Their postgraduate school has developed remarkably with 10 honours, seven MSc and three PhD students.

The Botany Department hosted the XVIth Annual South African Association of Botanists conference. Professor Ted Botha represented South Africa at an international conference in Cognac, France, where his research paper drew much attention.

Mr Peter Phillipson continued to research the flora and vegetation of Madagascar and was awarded a grant from the Worldwide Fund for Nature to produce a guidebook to the trees and shrubs of southern Madagascar.

During his sabbatical leave, Professor Roy Lubke visited a number of research institutes in North America. Mr Ted Avis spent his national service

in the Environmental Services section of the SADEF, where he undertook a pilot study to determine techniques for assessing the effects of military activities on vegetation.

Professor Lubke, Mr Avis and Mr Peter Jackson are continuing the Environmental Impact Assessment of proposed dredge mining of the eastern shores of Lake St Lucia which has developed into the most comprehensive study of its kind undertaken in South Africa.

Research continued to play an important role in the **Chemistry Department** with staff and postgraduate students publishing 20 papers in international journals.

Professor Mike Brown was invited to lecture at the Royal Society of Chemistry Congress in Belfast, Northern Ireland. Dr Robin English presented a paper at the XVth Congress of the International Union of Crystallography in Bordeaux, France and Professor Trevor Letcher delivered a keynote lecture at the London International Youth Science Fortnight.

Professor Perry Kaye spent six months on sabbatical at Cambridge University while Professor Trevor Letcher, Mr Robin Learmouth, Dr Richard Liddell and Dr Ron Cosser all spent time overseas. Professor Trevor Letcher and Dr Brian La Trobe organi-

zed the first South African "methane from landfill" summerschool, which was well attended.

Three members of the Department have been on the staff for over 25 years: Mr Friedl Ranftelshofer (31 years), Mr Aubrey Sonneman (30 years) and Professor Mike Brown (28 years).

The **Classics Department** was visited by Professor B Kytzler of the Free University of Berlin, Professor W Kullmann of the University of Freiburg in Breisgau, Professor R Lamberton of Princeton and Dr S Rotroff of City University, New York.

The **Department of Computer Science**, singled out by the FRD to host the special research manpower programme in Information Technology, has attracted generous extra funding. Sophisticated research equipment was purchased for training an increasing number of postgraduate students in parallel processing.

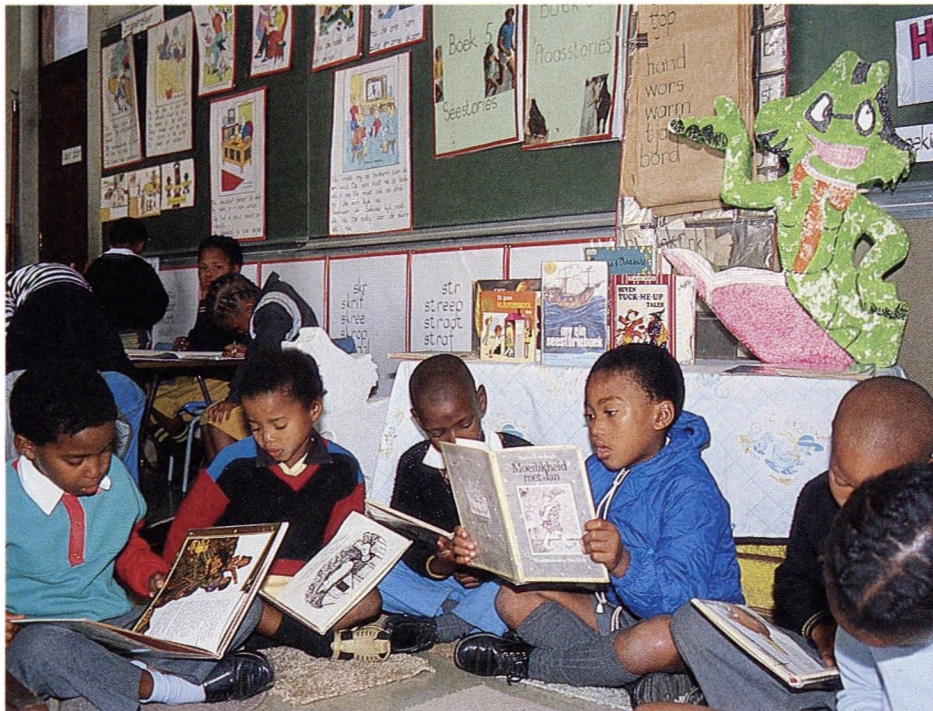
Leader of the Parallel Processing Group, Professor Peter Clayton, visited the USA to investigate new directions in his field. Mr Richard Foss, Head of the Computer Music Unit, presented his work at the International Music Conference in Glasgow and also visited similar interest groups in the United Kingdom and Canada. Professor Pat Terry attended the fifth international standards committee on Modula-2 in Milton Keynes, where he presented two controversial papers. An Honours student, Mr Douglas Brown, became the first recipient of the prestigious Volkswagen Scholarship in Computer Science.

Professor Calvin Cook retired after many years in the **Department of Divinity** and Dr Sandi Baai was appointed as Lecturer in Pastoral Theology.

Professors Brian Gaybba and Felicity Edwards and the Revd Tom Cunningham presented six research papers at four international academic conferences abroad. Staff members also attended fifteen local conferences and workshops and five overseas conferences.

Professor Pieter de Villiers presented his inaugural lecture in September and attended the National Conference of Churches in Rustenburg where he was





Effective teaching at a primary school level is a priority for education in South Africa and a major concern of the Department of Education.

elected to the executive committee of the Association of Theological Institutions in Southern Africa.

The **Drama Department** once again had a creative and successful year. Professor Sydney James presented his inaugural lecture and wrote an original play acted by about 95 first year students. Professor Beth Dickerson worked on a drama book in relation to the Molteno Project and Ms Jane Osborne published a major work in African Dance.

The Department's participation in the National Arts Festival indicates its productivity. The critically successful *The Crucible*, directed by Reza de Wet, played for six performances to full houses and was also performed at the National Schools Festival. Visiting Professor and African Dance expert, Ms Peggy Harper, directed a traditional dance programme *Lizwelakhe* to critical acclaim. The Rhodes Student Drama production *From Here to Timbuctoo* was sold out and was voted "Best of the Festival" by several critics. Ms Evadne du Preez, Ms Mary-Anne Naude and Ms Laurian Miles all presented various programmes at the Festival.

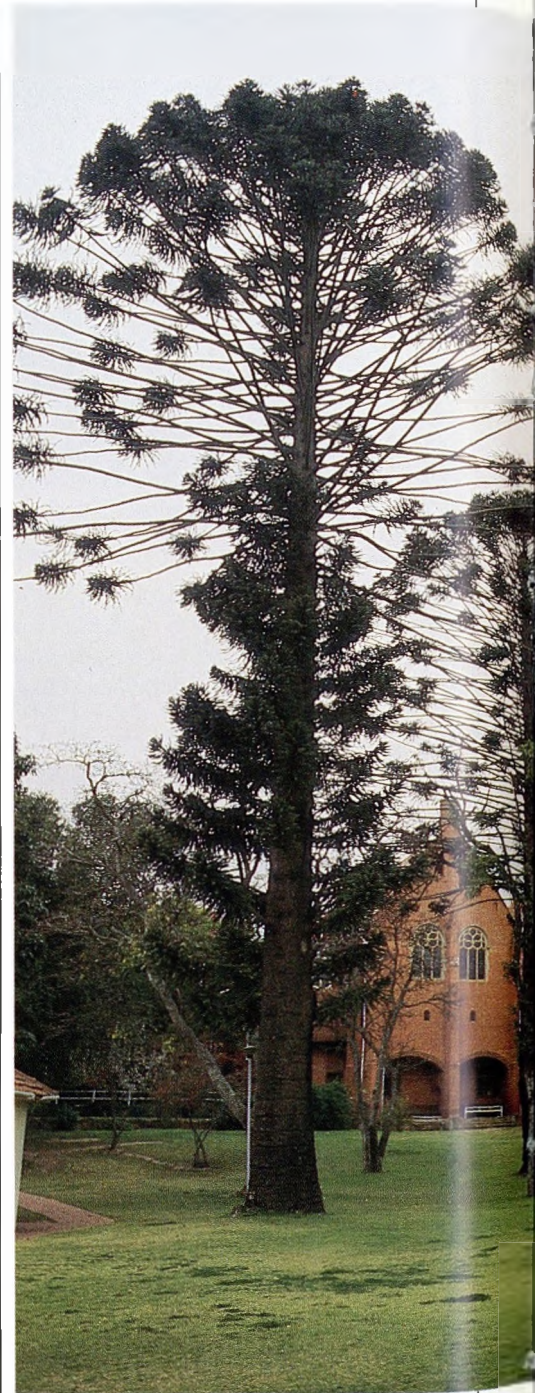
A programme of poetry readings,

directed by a Master's student, Ms Francis Cox, and produced by Ms Naude, was one of the major highlights of the National Schools Festival of English. Junior Lecturer, Ms Lulu Khumalo, was awarded an Abe Bailey Travel Bursary.

Members of the **Department of Economics and Economic History**, in both Grahamstown and East London, continued to be active in research, publishing work overseas and locally and reading papers at conferences. Visiting speakers included the distinguished development economist Professor Paul Streeten of Boston University, Professor Gordon Mingay of the University of Kent at Canterbury and Mr Gladson Kayira from Botswana.

Mr Murray Leibbrandt completed the coursework for his PhD at Notre Dame University in the United States while Mr Stephen Hosking of the East London Division spent a sabbatical at the University of Cape Town.

The **Department of Education** experienced significant growth in two areas during 1990. The Master's Coursework programme attracted many applicants particularly in the fields of Computers in Education and



Environmental Education.

The creation of a new Chair in Environmental Education was facilitated through the good offices of the South African Nature Foundation and sponsored in full by the construction firm Murray & Roberts. This is the first of its kind in Africa and aims to promote research and development in Environmental Education throughout the southern African region.

Applications for the Primary Teachers' Upgrade programme in-





The tranquil setting of the Department of Education.

creased five-fold, necessitating the creation of a new post.

The Department hosted a large number of visitors during 1990, several of whom gave public lectures and seminars. Mr David McKellar and Mr John Stoker attended British Council courses.

Mr David Meyer, research officer in English Second Language, left the Department and was replaced by Ms Sarah Murray, a prominent worker in



Dr Derek Henderson (centre) with some of the participants in the UNESCO/IGCP Project meeting held in the Department of Geography.

this field. Ms Eureka Janse van Rensburg was appointed as Research Officer against the Murray & Roberts Chair of Environmental Education and was awarded the Loewenstein Trust Scholarship for research in Environmental Education. Mrs Ann Mayo was appointed Lecturer in charge of the Primary Teachers Upgrade Programme.

The Head of the **Department of English**, Professor Malvern van Wyk Smith, published his pioneering study *Grounds of Contest: A Survey of South African English Literature* as well as several articles and reviews in local and overseas publications. He delivered a paper at the Literature in Another South Africa conference in Oxford, and another at the annual Association of English Teachers of Southern Africa (AUETSA) conference in Stellenbosch.

Honorary Fellow, Professor Guy Butler, delivered the Adcock-Ingram lecture at the University of Cape Town and the Dugmore lecture in Grahamstown, while continuing to publish research and original works. The premiere of his play, *Demea*, was a highlight of the National Arts Festival and was subsequently taken to Pretoria and Johannesburg.

Professor John Gouws, acting Head of the Department while Professor van Wyk Smith was on study leave, published several articles and reviews in overseas and local publications and

delivered two papers at the annual AUETSA conference. He also delivered his inaugural lecture, *The Pursuit of Poetry: A Defence*.

Professor Don MacLennan gave a Winter School lecture at the Arts Festival on Guy Butler as dramatist.

Mr David Bunyan published *25/25: Twenty-five years of English South Africa Poetry, An Anthology*, to mark the quarter-century of *New Coin*, the poetry journal launched by Guy Butler and nursed through its infancy by Ruth Harnett.

Mr Gareth Cornwell, who edits the journal *English in Africa*, delivered papers at conferences in Essen, Germany, and Stellenbosch.

In October, the Department hosted a very successful, one-day symposium on the future of English studies.

The **Fine Art Department** had a creative and productive year with staff and students exhibiting widely on a local and national level. Of particular note are those who exhibited on national exhibitions such as the Volkskas Atelier, Rolfe's Impressions and the National Drawing Competition.

Once again the Department's major internal exhibitions were well attended and highly successful. The annual student show was opened by Mr Chris Till, Director of the Johannesburg Gallery. Mr Noel Hodnett and Mr George Coutouvidis both held one-man shows while ten students held independent exhibitions during the year.





Here are the staff members of the History Department with postgraduate students. Back row: (left to right): Dr J Cobbing, Mr S Dollar, Professor C Hummel, Mr A Westaway, Mr G Baines, Dr R Bouch and Miss B Nicholls. Front row: Mr L Wotshela, Mr G Swinney, Mrs F Molwantwa, Ms B Lambourne, Mr M Ndabeni and Ms C Gorham.

Art museums and galleries continue to show an avid interest in work produced by members of the art school. Mr Dominic Thorburn sold a graphic work to the National Gallery and the Johannesburg Gallery acquired works by Professor Jos Nel, Mr Dominic Thorburn, Mr Noel Hodnett and Mr Obie Oberholzer.

The painting section of the art school was relocated to the Pharmacy D Block. Dominic Thorburn travelled through China and Obie Oberholzer visited Germany on research projects.

The French Government has provided two short-term scholarships to selected students in the **French Department** to study in Paris as part of their course. The French Government will also offer postgraduate scholarships at French Universities.

The Department welcomed Professor Niklaus, Emeritus Professor of Exeter University, as visiting Lecturer for the third term.

Professor Patrick Fein delivered his inaugural lecture on *The Enlightenment and Modern French Studies* and also delivered a paper at the XIth biennial International Congress of the Association for French Studies in Southern Africa held here in September. Professor Fein was Vice-President of the Association as well as



The Students' Geological Society organized a field trip to the Bushveld Complex. Here is part of the group at the Pilanesberg.

Congress Organizer.

The **Geography Department** hosted a meeting of the UNESCO/IGCP Project on the Geocryology of Mountain Regions in September. Scientists from seven countries attended the meeting and a book entitled *Field Guide to Geocryological Features in the Drakensberg* was published for the field excursions that followed the paper sessions.

Dr Alex Weaver resigned at the end

of the year to take up a post in the CSIR and Mrs Ianthe Mills, who has maintained student records impeccably for 18 years, retired. Mr Etienne Nel joined the lecturing staff and Dr John Herald of the Hydrological Research Unit had his PhD conferred by the University of Auckland, New Zealand. Thirteen journal papers were presented at conferences, meetings and workshops. Seven students presented papers at the Southern African Students Geo-



graphy Conference held at the University of Port Elizabeth.

The **Geology Department** experienced an active year especially on the postgraduate front where 22 MSc and PhD students continued their studies. The first of the part-time MSc students in Exploration Geology and Economic Geology completed their studies.

After twenty years as Head of Department, Professor Hugh Eales relinquished the position to Professor Roger Jacob to concentrate on teaching and writing up the results of several years' research in the Bushveld Complex. Professor Franco Pirajno, Director of the Exploration Geology course, returned to Australia in August.

Dr Norton Hiller spent six months at the University of Canterbury, New Zealand and presented the results of his research at the 2nd International Brachiopod Conference. Professor Julian Marsh and Dr Alan Butcher both presented papers overseas. Professors Jacob and Pirajno, Mr Rob Harris and research students attended the biennial conference of the Geological Society of South Africa, "Geocongress '90", at the University of Cape Town and presented 12 papers.

The pioneering work of the **German Department** in the field of foreign language teaching received official recognition in Germany. In an unprecedented move, the German Foreign Office offered undergraduate scholarships for students who wish to major in German at Rhodes. Professor Dieter Welz was invited to a seminar at the Goethe Institute in Munich to promote the concept of foreign language teaching.

Foreign Office support was also received for Professor Welz's German Settler oral history project. In another development, an agreement was reached with the University of Essen in terms of research and exchange of staff and students.

A visiting professor, Dr E Reckwitz, spent seven weeks teaching in the Department and lectured on the unification of the two Germanies.

The **History Department** said farewell to Professor Rodney Davenport in March but will welcome Professor Paul Maylam, a Rhodes gra-



**REPLAY:** Children from Edburn farm school near Hanover listen to their own songs which were taped by Professor Dieter Welz of the German Department as part of his oral history project.

duate currently on sabbatical at Queen's University in Canada, as the new Head in July 1991.

Acting Head of Department, Dr Chris Hummel was promoted to Associate Professor and published his book *The Frontier War Journal of Major John Crealock 1878*.

Professor Hummel gave a keynote address to the South African Museum Association History Conference in Pretoria and presented a paper in Germany in April. He was elected to the executive committee of the recently formed South Africa Irish Historical Studies Association. Miss Brenda Nicholls, Mr Keith Tankard and Mr Andrew Cook presented papers at the Ireland and South Africa Conference.

Dr Julian Cobbing and Miss Nicholls presented papers at the Natal History Workshop in Pietermaritzburg in October.

Dr Richard Bouch graduated with a PhD from the University of London and received an Alty Award.

Mr Gary Baines who joined the Department at the beginning of this year, and Mr Matthew Smith presented papers at the Witwatersrand History Workshop. Matthew Smith also addressed anthropologists at the ASSA



**Professor Lehmann and Professor Welz of the German Department talking to a local farmer at Mngqesha in the Ciskei.**

Conference in Stellenbosch.

Mrs Thami Tisani organized a workshop run by the Eyethu Imbali Project in August at the Albany Council of Churches Centre and presented a paper at this conference.

This year saw the **Department of Ichthyology and Fisheries Science** expanding its activities on the research, teaching and infrastructure fronts.



Mr Peter Britz joined the Department as Lecturer in aquaculture and initiated a project on the culture of perlemoen (abalone), which resulted in considerable expansion of the Department's marine laboratory in Port Alfred.

Dr Colin Buxton and his post-graduate students had a successful research year in the Tsitsikamma National Park.

An important development on the fish farm was the installation of a sophisticated heat exchanger which will enable researchers to work with warm and cold water fish throughout the year.

Permission was granted to offer an Honours course in Aquaculture. Two catfish courses were arranged during the year, one at Rhodes and the other on the catfish farm of Dr Wynand Uys, a Rhodes graduate living in the eastern Transvaal.

Professor Tom Hecht attended an international aquaculture symposium at Stirling University in Scotland whereafter he visited several aquaculture laboratories in Belgium. Three additional national conferences were attended by staff and students of the Department. Dr Buxton and one of his students received an award for the best poster paper at the Oceanographic "Oceans '90" conference in San Lameer. Professor Hecht and Dr Buxton were appointed to several fisheries management committees.

The most noteworthy event in the **Law Faculty** was the retirement, after 36 years, of Professor Alastair Kerr. About 120 past students and colleagues from across the country attended the farewell dinner held in his honour in October. The University also acknowledged his distinguished career by introducing the annual Alastair Kerr Prize for the best student in the Law of Contract.

Associate Professor Max Lambiris resigned to take up a post at Melbourne University, Australia and two new appointments were made during the year. Dr John Grogan, Senior Lecturer in the Department became a Professor and Mr Gordon Barker, Associate Professor of Law at the University of Bophuthatswana, was ap-



A practice session in the Department of Music and Musicology.

pointed to a Senior Lectureship. Professor Ross Harker was elected Dean of the Faculty after Professor Kerr's retirement in June.

Student numbers rose to the highest ever with 262 undergraduate, 27 BProc and 84 LLB students. The Department's research and publication output remained impressive.

Dr Rob Midgley, who spent his sabbatical in the United Kingdom, was awarded his PhD by the University of Cape Town and Professor Grogan received his doctorate from Rhodes.

Head of the Department, Professor Ivan Schäfer, completed the seventh update of the Family Law Service and was appointed by the Minister of Justice to serve on a committee preparing the way for the implementation of the *Mediation in Certain Divorce Matters Act 24 of 1987*. He also advised the government on the implementation of the Family Court Bill.

The Law Students' Council organized a successful seminar on Family Law which was attended by many eminent local practitioners and academics.

The Street Law programme which aims to popularize the law and provide legal education to lay audiences, continues to serve the community. The programme's East Cape Director, Ms Brenda O'Brien, conducted about 100 sessions at schools throughout the region and addressed several adult organizations.

1990 was a year of transition for the **Department of Linguistics and English Language**. Professor William Branford, founder of the Department, announced his retirement after 26 years at Rhodes. Dr Vivian de Klerk was appointed as his successor and will be the only female full professor at Rhodes.

Dr David Gough was appointed as Senior Lecturer and course director for the Honours course in English Language Teaching. The ELT course received a boost in the form of five Canadian bursaries of R5 000 each, earmarked for black students doing the course. The relevance of this course to the current crisis in education in South Africa is evidenced by the number of enquiries and applications from prospective students.

Members of the Department made contributions to two local conferences, and Dr De Klerk also presented a paper at the NWAVE sociolinguistics conference in Philadelphia, USA in October.

In the **Department of Mathematics (Pure and Applied)**, the research school in Fuzzy Set Theory with applications to Topology and Algebra continues to be very active.

The team consists of Professor Wesley Kotzé, Dr James Chadwick, Dr Venkat Eswaran Murali, Mr Mike Burton (staff) and research students: Messrs Pavel Lubczonok, Babbington Makamba,





**Sponges: a little-known and unexploited source of potentially useful medicinal products. Dr Mike Davies-Coleman of the School of Pharmaceutical Sciences is working on natural compounds isolated from the sponges shown above.**

Rait Harnett, and Ms Phethiwe Matutu.

Dr Tomasz Kubiak, who came to Rhodes in 1989 from Poland, was appointed by the FRD as a research fellow in the Department.

The Mathematics Winter School for Higher Grade matric pupils, run by Professor Nic Heideman, is becoming increasingly popular with schools as far afield as Namibia and Zimbabwe being represented.

The **Department of Music and Musicology** continued with its programme of visiting lecturers, made possible through the generous sponsorship of the Oude Meester Foundation for the Performing Arts.

Head of the Department, Professor Norbert Nowotny, had an extremely busy and musically inspiring year. In April he conducted workshops and lectures at a music teachers' symposium on *Music Education for a New South Africa* at the Mowbray College of Education in Cape Town. In June he conducted performances of *Mame* with Judy Page in the Port Elizabeth Opera House and during the third term he attended the International Summer Course at the Orff Institute in Salzburg, Austria. While in Austria, Professor Nowotny's piano composition *Dream Fantasy - the Flying Dutchman* was pre-

mièred. On his return from overseas, he conducted *Annie* at the Guild Theatre in East London.

In May the Department hosted the Oude Meester Lecture Series, *Current Trends in the Music Industry* by Mr Mark Holland of Leading Edge Studios. Other visiting lecturers included Mr John Bertalot from Princeton in the United States and Dr Penny Gibson.

The Rhodes Chamber Choir performed at various centres in Natal on their annual tour in the September vacation. The choir was also invited to the annual KUESTA Universities' Choir Festival held at UPE.

The Rhodes Flute Trio, comprising full-time lecturers Ms Daniela Heunis and Dr Ishbel Sholto-Douglas, and Ms Susan Gough, was sponsored by CAPAB to play for the Music Societies of East London, Fort Beaufort and Queenstown and performed in collaboration with the Eastern Cape Chamber Orchestra in various centres. The Trio and the Dixieland Band played at the National Arts Festival in July.

The **School of Pharmaceutical Sciences** hosted several distinguished visitors from overseas while Professor Izzy Kanfer spent the year at the University of North Carolina in Chapel

Hill as visiting Professor of Pharmaceutics. Other staff members attended meetings in eight countries and presented several papers.

Professor Lambe Parolis, Head of the School, served on the Foundation for Research Development Collegium and on the Pharmaceutical Science Committee of the FRD. Professor Ben Potgieter, Dean of the Faculty, was re-elected President of the South African Pharmacological Society.

Dr Mike Davies-Coleman is working on natural compounds isolated from sponges, a little-known and unexploited source of potentially useful medicinal products.

Professor Seumas Miller of the **Department of Philosophy** co-authored, *Rethinking Theory*, a cross-disciplinary book involving philosophy and literary theory. *Comment*, published by the Department, continued to provide a forum for debate on issues of interest to the academic community.

In line with a policy of focusing on social philosophy and applied ethics, members of the Department published papers on topics ranging from just war theory to the understanding of moral conflict.

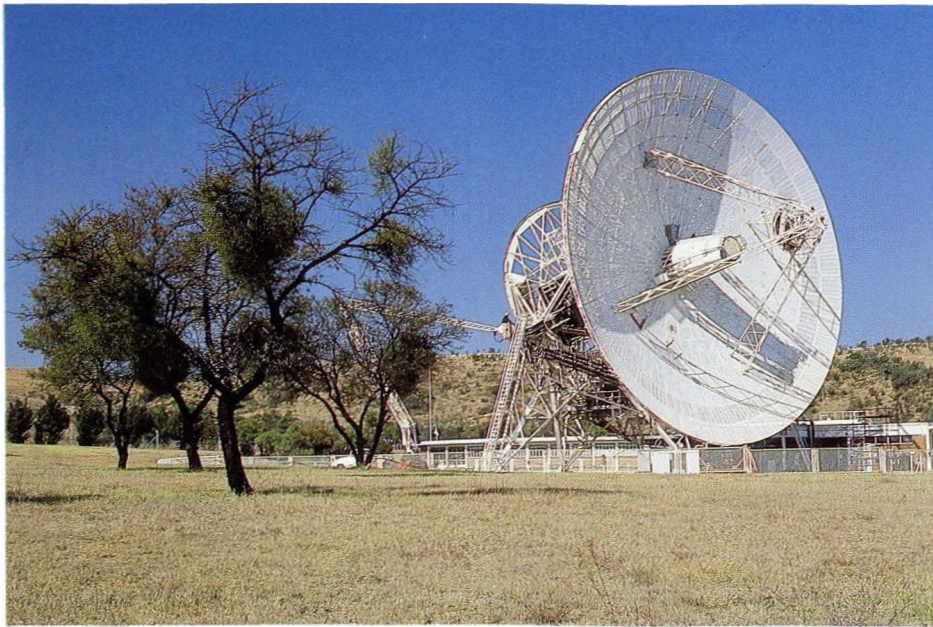
The **Department of Physics and Electronics** was saddened by the untimely deaths of two colleagues, Senior Lecturer, Dr Georg Gruber, and Director of Electronic Services, Mr Barry Guthrie.

On a happier note, the Department was visited by two of its former members, Dr Ian Gough, who was awarded an Honorary Doctorate by Rhodes and Dr Scott Hamilton, a reader in Physics at Manchester University.

Mr Justin Jonas was invited to work at the Max Planck Institute for Radio Astronomy in Bonn and also presented a paper at a symposium in Leyden. Professor Fabio Frescura and his group presented their work at a workshop of the SA Institute of Physics. This evoked considerable interest and they were subsequently invited to the University of Cape Town to conduct seminars on the subject.

Professor Terence Beard, Head of the **Department of Political Studies**, took up the post of Dean of Social





The Hartebeeshoek radio telescope used for a radio survey of the Southern Sky by members of the Department of Physics and Electronics.

Science, resigned as Head of Department and was replaced by Professor Roger Southall.

The Department welcomed Ms Maxine Reitzes as Lecturer. Mrs Marian Lacey was elected as Regional Delegate to the National Constitution Committee of the African National Congress, an appointment which took her to numerous conferences and meetings concerning political transition in South Africa. Professor Southall presented papers at an IDASA conference and at a symposium run by the National University of Lesotho.

**Psychology** continues to be the largest department as far as student numbers are concerned with a total of 863 full time students. The Psychology Clinic was kept as busy as always. During 1990 a total of 186 clients were assessed and 68 seen for treatment.

Several papers describing the initial findings of Dr Andy Gilbert's research on Education and Development in Rural Areas were presented at local conferences. The researchers are also co-operating with the Kagiso Trust in the development of community service structures.

Mr Barry du Toit moved to the East London Division and Mr Michael Parker emigrated to Australia at the end of 1990. The Department was enriched by the completion of a highly praised PhD dissertation by Mr Leslie

Todres, the Director of the Psychology Clinic, and by the arrival of Ms Ann Shuttleworth-Jordan, an experienced neuropsychologist from Cape Town.

Dr Roger Brooke's book *Jung and Phenomenology* will appear shortly while Professor David Edwards is investigating practical ways of reducing high blood pressure using stress reduction techniques and life-style change. He read a paper on the subject at the Annual Conference of the Psychological Association of South Africa and attended the Fourth European Health Psychology Conference at Oxford in July.

Significantly, the largest Honours/Advanced Diploma class in the history of the **Social Work Department** was also the last. As from 1991 the course in social work will be replaced by a single four-year undergraduate degree course.

Professor Jan Coetzee, Head of the **Sociology Department**, participated in the XIIth World Congress of Sociology in Madrid and also visited universities in the United Kingdom and Poland.

A second enlarged edition of the successful *Development is for People*, co-authored and edited by Professor Coetzee, was published by Southern Book Publishers. Professor Coetzee also served as a member of the Main Committee of the HSRC's Centre for Science Development.

Associate Professor Richard Haines was appointed to the staff of the Sociology Department. Ms Glenda Morgan and Mr Geoff Wood published articles in the *Journal of Modern African Studies*.

The **Department of Zoology and Entomology** enjoyed a productive year despite upheavals caused by structural changes to accommodate the Microbiology Department on the fourth floor of the building.

Professor Pat Hulley and Dr Adrian Craig both presented papers at the Southern African Ornithological Society's symposium held in Bloemfontein.

Dr Ric Bernard was involved in co-operative work with Professor Waldo Meester of the University of Natal and Professor Gopalakrishna of India.

Dr Alan Hodgson collaborated with Dr Moshe Shachak at Ben Gurion University, Israel and more recently with Dr Mary Seeley at Gobabeb in Namibia. He also visited Europe and Canada and attended the XII International Congress on Electron Microscopy in Seattle, where he was invited to give a paper.

Dr Steve Compton had an exciting research trip to Zambia and the Comores before settling in at the Centre for Population Development at Silwood Park in England for the remainder of his sabbatical leave.

Dr Christopher McQuaid, who was awarded the Ernest Oppenheimer Memorial Trust Travelling Fellowship, presented two papers in Wales and another at the XXVth European Marine Biology Symposium in Ferrara, Italy. Dr McQuaid and his students also presented papers at "Oceans 90" in Port Edward while the postgraduate school was well represented at the Zoological Society of South Africa Symposium in July.

The Rhodes Southern Oceans Group sailed at the end of November for a three month research voyage to Antarctica.

Two books were published during the year: *Inland Waters of Southern Africa: An Ecological Perspective* by Drs Brian Allanson, Rob Hart, Jay O'Keeffe and Richard Robarts; and *The Ultrastructure of Cells* by Dr Alan





Psychology is one of the most popular courses and the largest department.



Mousebirds clustered together at night to aid temperature regulation.

Hodgson, Dr Ric Bernard, and Mr Rob Cross of the Electron Microscopy Unit.

The Department organized an immensely successful conference for the Electron Microscopy Society of southern Africa where Mandy Frescura received the prize for the best paper. Ms Kathy Dower received the Bronze medal of the South African Association for the Advancement of Science for her MSc study on sand inundation on rocky shores.

At the graduation ceremony in April, the university conferred an honorary degree on Sister Truda Brock, one of our early graduates and one time Head of Department. Professor BR Allanson, the previous Head of Department, received the President's Silver Medal

for distinguished service. Another happy occasion was the celebration of Professor Johan van Hille's 50th year at Rhodes.





ASP pupils and tutors listening to a nature conservationist on an outing to Thomas Baines Nature Reserve.

**T**he Academic Skills Programme ventured into some new and exciting areas in 1990. An outreach programme, iKhonco, or the Chain, was started to provide educational enrichment for 50 pupils of three local black high schools. As a pilot project under the co-ordination of Mrs Nomathamsanqua Tisani, it was well received both by the community and by its funders, SA Breweries and the Australian Embassy.

Another pilot project was implemented in the History department with the creation of a History module integrating the History I course and history-specific skills. The initial results of this exercise were encouraging and as a result other departments have expressed an interest.

In general, the Academic Skills Programme continued to show a strong presence on campus, with 25 tutors in some 36 academic departments. Between February and June 804 students attended some form of ASP activity which amounted to 5 166 contact hours.

In an attempt to broaden the scope of ASP activities, a programme of videos, including Bronowski's *Ascent of Man* and Basil Davidson's *Africa se-*

*ries* were shown. Attendance was unfortunately low but, not to be discouraged, ASP will offer the programme again in 1991! A series of lectures *Learning to Learn* was run with the co-operation of several academics from various departments but again attendance was low.

ASP staff involved themselves fully in various university activities, particularly the Teaching/Learning Support Committee which conducted a series of postgraduate supervision workshops and a workshop on Facilitating Learning. ASP staff also worked on the Adult Education Committee and attended various conferences throughout 1990. Professor George Carter read a paper at the conference of the South African Association for Academic Development (SAAAD) and at the Congress of the South African Association for Research and Development for Higher Education.

Ms Madi Moed, Projects Co-ordinator, was awarded a partial Fulbright Scholarship to study in the United States, and Ms Louise Vincent, Politics tutor, will be going to Oxford University on a Rhodes Scholarship.

The activities of the **Albany Museum**



continue to focus strongly on education, both formal and informal.

Over 50 000 children were served by the Museum's Education Department. The Museum's outreach programme, the Mobile Museum Service, reached some 200 schools in the greater eastern, southern and northern Cape.

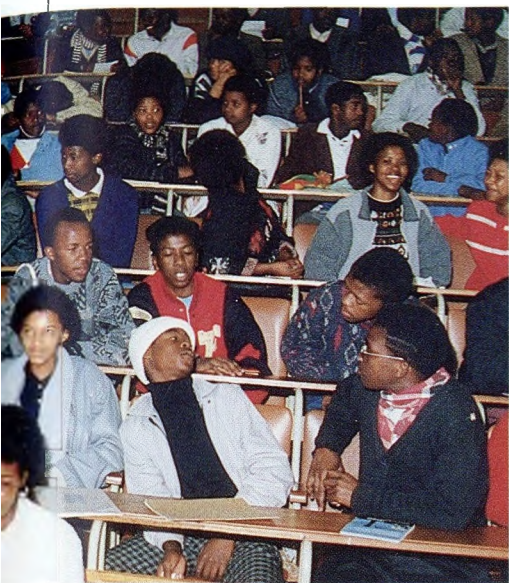
Museum staff also presented seven undergraduate courses and supervised postgraduate research at the University. Informal programmes for local senior citizens and schoolchildren were also offered.

Two important scientific workshops were hosted in 1990. Early in the year, Dr Koen Martens, a Belgian researcher, led a workshop on the identification of *Ostracoda*. In November, Dr Ferdy de Moor, Curator of Freshwater Invertebrates, assisted by South African and American specialists, provided 25 participants with in-depth training in the taxonomy of the major local aquatic groups.

Major exhibitions mounted in the 1820 Settler Memorial Museum during the year included the Standard Bank's National Drawing Competition, the Rolfe's Foundation Student Art Exhibition and *What is History*. Dr Hewitt's Gallery, a reconstruction of a 1920s style exhibition, was mounted in the Natural History Museum.

During 1990 the **Centre for Social Development** made 555 bursary awards totalling R248 000 which enabled disadvantaged students to further their studies.





Students attending the GADRA Winter School in July.

Following on a successful Winter School for local Standard Nine pupils, a regular Saturday School, which enables educationally disadvantaged pupils to receive regular instruction from experts, was launched. The Commercial Centre had another successful year. Nineteen students attended full time and completed the Pitman courses in Typing, Office Practice and Communication.

The beautiful new buildings of the Raglan Road Child Care Centre were occupied in April. The facilities provide for 50 pre-school children, 50 children from Sub A to Standard 2 who attend the after-school programme and adult education courses in child care. After some teething problems the Centre is now running well and providing an excellent service in the Fingo Village. Two well-attended and successful parent programmes were offered on *Hygiene in the Home* and *You and Your Child*, a symposium on guides for child rearing.

Our Child Care staff offered numerous training programmes for para-professional child care workers during the course of the year.

The Department of Accountancy ran a highly successful course in Basic Bookkeeping for 20 community workers. The Vezzi Danga Centre for the aged continues to flourish and the community is being trained to take



St Mary's pupils at a tennis clinic run by Miss Ros Fairbank.



Pre-school children at Raglan Road Child Care Centre developing a love of books.

over full responsibility for all aspects of the administration.

The **Computer-based Education Unit** continued to serve many academic departments by managing the PLATO computer-assisted learning system. The Unit has also maintained its consulting service to clients outside the University.

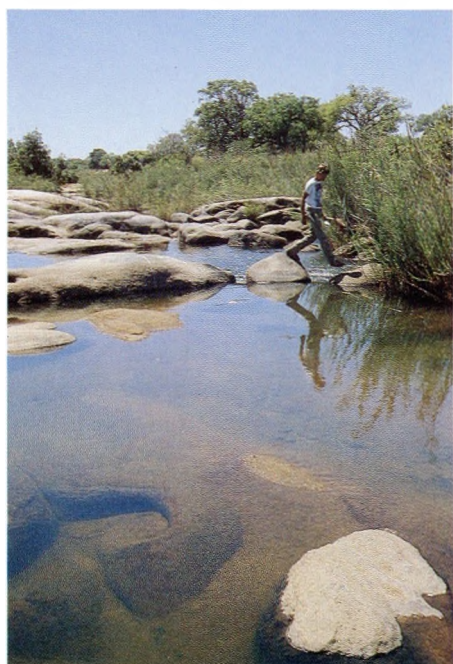
A major innovation has been the development of the CALnet system, a computer-assisted learning system for networked microcomputers. CALnet retains many of PLATO's unique features but offers significant improvements in user interface, cost effectiveness and software compatibility. A prototype of the sys-

tem was used by students in 1990 and the full system will be operational at the start of 1991. The system has been the subject of invited papers and demonstrations at a number of conferences and seminars and other institutions have expressed interest in acquiring the CALnet system.

The Director of the Unit, Professor Graham Oberem, will be visiting professor in the Physics Department at the University of Washington in Seattle for two years where he will teach and continue his research into the use of computers in Physics teaching. Mr Phillip Collett will be acting director during this time.

The highlight of 1990 for the Elec-





Mr Des Weeks, Junior Research Officer for the Institute for Freshwater Studies, investigating the Sabie River ecosystem.

tron Microscopy Unit was the hosting of the Electron Microscopy Society of Southern Africa's XXIXth Annual Congress early in December. This three day conference, in which 98 papers and posters were presented, attracted 180 delegates. An extensive Trade Exhibition was also associated with the conference which was thoroughly enjoyed by all. Many people felt Grahamstown and Rhodes provided the ideal conference venue.

The purchase of a highly sophisticated freeze etch apparatus ensured that the EM Unit was able to provide users with amongst the most comprehensive range of facilities in this field in South Africa.

The staff complement of the **English Dictionary Unit** has grown from seven at the end of 1989 to 12 at the end of 1990. Because of this substantial growth, it is planned that the Unit will share the renovated St Peter's Home with the ISEA and the Molteno Project.

A farewell party was held for Professor and Mrs Branford, both of whom made immeasurable contributions to the Dictionary Unit. Mrs Lalage Gough also retired after a very productive year in the Unit.

Acting Editor, Mrs Penny Silva, attended the Euralex Biennial Congress



The valuable coelacanth specimen which was donated to the JLB Smith Institute of Ichthyology by the President of the Comoros.

in Spain as well as visiting the Oxford University Press where discussions were held on the *New Oxford English Dictionary* to which the Unit contributes entries. The news that the *Dictionary of South African English on Historical Principles* was moving towards publication was enthusiastically received.

1990 was a year of unprecedented growth and change in the Dictionary Unit, largely as a result of contact with the Oxford University Press as well as the committed and creative work of the staff and the support of the Board of Control.

The **Institute for Freshwater Studies** is experiencing a period of major expansion. The most important development is the possibility of a merger with the Hydrological Research Unit to form an institute which combines the ecological, biological and hydrological skills of the two groups.

The project on the conservation of the Sabie/Sand River in the eastern Transvaal continued during 1990 and two new projects were launched. Other projects included the ecological effects of the Amatole water transfer scheme, the water quality of the Kowie estuary, water supply requirements for the proposed St Lucia mining by Richards Bay Minerals, and the inverte-

brates of the Breede River.

Ms Penny Scott, Senior Technician of the IFWS, was awarded her MSc.

Dr Allon Poole of the **Hermann Ohlthaver Institute for Aeronomy** attended the XXIIIrd General Assembly of the International Union of Radio Scientists (URSI) in Prague as the national delegate. He attended the URSI Council business meetings and delivered a paper.

Mr Des Griggs is completing his MSc thesis on the control of our meteor radar/ionosonde. The meteor radar forms the backbone of the research of Professor Graham Poole.

Mr Bo Bonnevie continued working on a project in which receivers are used to monitor the phase and strength of transmitters associated with the DECCA navigational system.

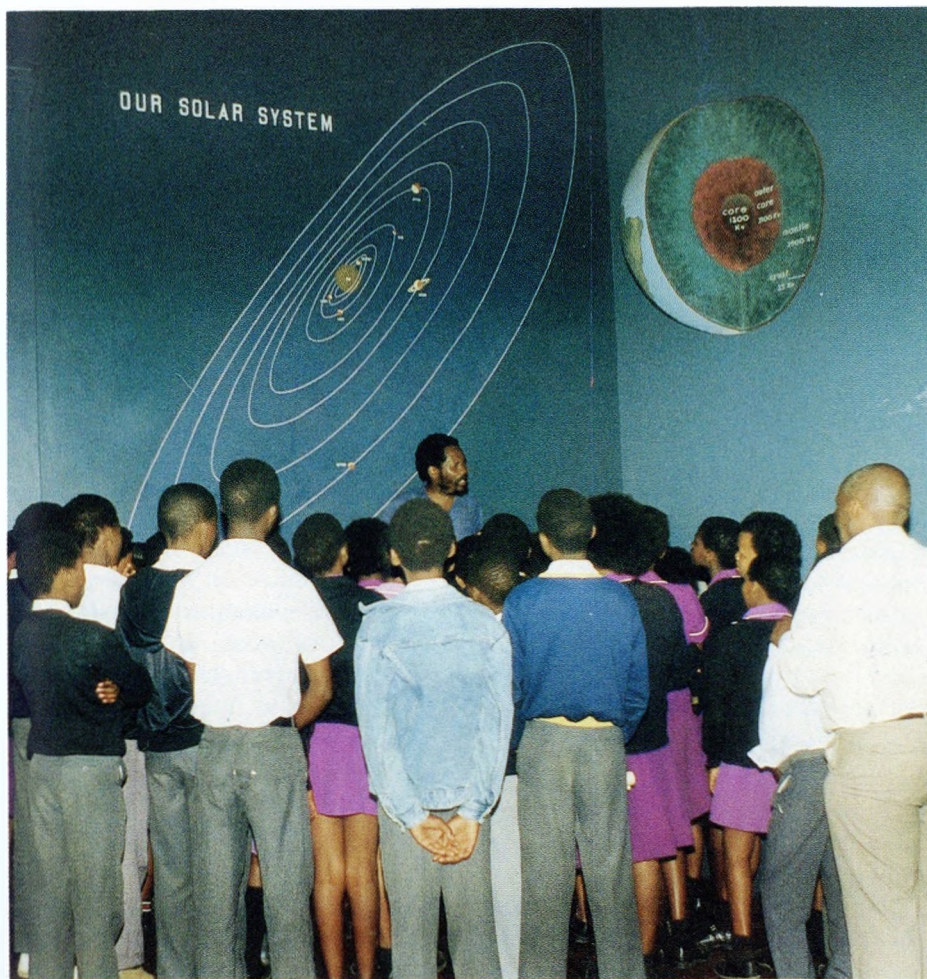
The **Hydrological Research Unit** undertook two main research projects, one on hydrosalinity studies in the Lower Sundays River Valley and the other on the development of improved modelling techniques for making water resource estimations. The modelling software development reached a stage where a prototype system was completed and it is hoped that it will be demonstrated in South Africa and at an overseas conference during 1991.

A highlight of the year for the **JLB Smith Institute of Ichthyology** was the





Collecting aquatic insects for the Albany Museum Collection.



The Albany Museum served more than 50 000 school children during the year.

publication of a new book *Fishes of the Southern Ocean*, edited by Mr Ofer Gon and Dr Phil Heemstra. This comprehensive treatise on the fishes of Antarctica is the culmination of six years work by 32 scientists from 11 countries and is the first synthesis on Southern Ocean fishes since 1938.

A previous Institute publication, *Smiths' Sea Fishes*, received the Bill

Venter Award for the best scientific book published in South Africa in 1990. Another book entitled *Alternative Life-History Styles of Fishes* was edited by Professor Mike Bruton.

During 1990 staff attended conferences in Europe and North America. Expeditions were undertaken to the Okavango Delta in Botswana and to the Azores and the Comoros is-



The Albany Museum Department of Freshwater Entomology hosted US scientists on a trip to the Kruger National Park.

lands, where President Sahid Johar presented a valuable coelacanth specimen to the Institute in gratitude for its contribution to marine research in the islands.

The **University Library** had a rewarding year as several important long-term projects reached significant milestones.

The project to computerize the library, launched after a survey of user opinions in 1986, became a reality. Installation of the URICA Integrated System started in October and the software modules for cataloguing, information retrieval, acquisitions and the on-line public access catalogue (OPAC) were activated. Five years of hard work creating bibliographic records and adding the library's holdings to the South African Bibliographic Network (SABINET) also paid dividends as 85 400 bibliographic records could immediately be loaded onto the system. Negotiations are in progress to have the computer system linked to the campus local area network and to the East London Division. Once this is achieved, users on the network will be able to use the Library's catalogue from their own studies.



The second important project which was completed was that involving anti-theft measures. An electronic detection system was installed at the library exit and considerable improvements were made to the main entrance and to the Short Loan section. The Fine Art collection, often vandalized in the past, was moved to the Ground Floor for greater protection.

Following recent privatization LIRI, formerly Leather Industries Research Institute, has changed its name to **LIRI Technologies**.

In the area of training, LIRI collaborated with the Computer-based Education Unit in the development of computerized training programmes for use in the leather and footwear industries.

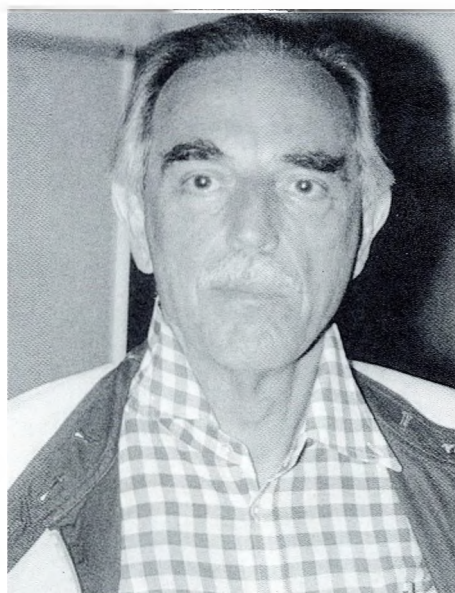
LIRI expanded its service and consultancy activities in the area of microbiology with the establishment of a Microservices testing laboratory in Port Elizabeth to serve the food, beverage and confectionery sectors as well as the hide, skin and leather industry. This facility attracted considerable interest.

In addition to ongoing core research, LIRI was awarded a number of consultancy and design contracts for industrial effluent treatment plants by local and neighbouring state industries.

For the **National English Literary Museum**, 1990 was once again a productive and busy year. A bibliography on JM Coetzee was compiled by Mr Kevin Goddard and Mr John Read and introduced by Teresa Dovey. Mr Read also undertook a bibliography of the eminent playwright, Dr Athol Fugard, while Dr Dorothy Driver of the English Department at UCT, in collaboration with NELM's Mr Craig Mackenzie, worked on a bibliography of Nadine Gordimer.

A sample issue of NELM's *Index to South African Literature in English* was compiled and sent out for evaluation. The series will list all books, critical articles, fiction and poetry in literary magazines and journals produced in the preceding calendar year relating to South African literature in English.

Among the visitors to NELM were two eminent German scholars, Profes-



**South African-born novelist, Alan Scholefield, visited NELM and donated manuscripts of his work to the Museum.**

sor Elmar Lehmann and Professor Albert-Reiner Glaap; South African playwright Anthony Akerman, an Old Rhodian presently living in Amsterdam and numerous overseas academics.

A substantial donation of manuscript material was received from South African-born, best-selling novelist, Alan Scholefield. The manuscripts and typescripts in this donation include those of his first novel, *A View of Vultures*, published in 1966 as well as one of his most recent works, *The Lost Giants*, published in 1989.

The **Plant Nutrition Research Unit**, originally established as the Pineapple Unit to provide regular leaf analyses for the pineapple farmers in the eastern Cape, has expanded into soil and water analysis.

During 1990 many analyses were undertaken for staff and students of various departments within the University. Samples were also processed for government departments, private consultants, golf courses and gardeners. The Unit's work is depicted pictorially at the Summerhill Farm at Bathurst.

This year, a new interest has taken shape within the Unit. The officer in charge, Mrs Gill Lewis, is studying the medicinal and poisonous plants of the eastern Cape which could be an exciting field of research in forthco-

ming years.

Unfortunately, financial problems are being encountered due to a downswing in the pineapple industry and the unit is currently trying to find sponsorship from within the agricultural or fertilizer industry.

Following the resignation of Professor Peter Vale, Dr Robin Palmer was acting Director of the **Institute of Social and Economic Research** for 1990. Professor Pat McAllister assumed the directorship at the beginning of 1991.

Three international scholars from universities in the United States and Canada participated in the ISER University Fellowship, conducting research and presenting seminars. In June, the ISER organized a conference, in association with the Five Freedoms Forum, which considered the imperatives for negotiations in South Africa.

The ISER's **Development Studies Unit** focused mainly on regional and urban development policy issues and strategies for alleviating unemployment in the region. The Professor of Development Studies, Professor Bill Davies, attended an international conference in Barcelona, was awarded the Jill Nattrass Rotating Research Fellowship and spent four months on sabbatical leave in the Centre for Social and Development Studies at the University of Natal.

International politics featured prominently on the South African political agenda for 1990 and as a result it was an interesting and productive year for the **International Studies Unit** (ISU). Three quarters of the class were black students, which served the Unit's primary aim as an affirmative action programme very well. The ISU's postgraduate degree and diploma programmes continued to attract much interest.

The Director of the ISU, Professor Koos van Wyk, travelled to the USA twice during 1990 and presented papers at several conferences.

The ISU's research on foreign policy and change produced several papers and published articles. Several important visitors presented public lectures at the Unit, most notably Mr William L Swing, the US Ambassador





The new ILAM building which was opened by the newly appointed Chancellor, Mr Gavin Relly on June 30 1990.

to South Africa.

The highlight for the **International Library of African Music (ILAM)** was the opening of its magnificent new building by Mr Gavin Relly, the newly appointed Chancellor, in July. ILAM has also continued to attract a number of local and international visitors, including Ms Peggy Harper, a specialist in African dance, who spent three months at ILAM as an ISER University Fellow. ILAM's Director, Mr Andrew Tracey, presented papers at several conferences and was an invited guest at the Namibian Independence celebration in March.

Major publications by the **Institute for the Study of English in Africa** during 1990 included *25/25: Twenty Five Years of English South African Poetry*, an anthology edited from the pages of *New Coin* by Mr David Bunyan; *Teaching English Literature in South Africa: Twenty Essays*, edited by Dr Lawrence Wright; and a substantial research report on *The Teaching of English in Black High Schools*, by

Professor Paul Walters and Mr Vivian England. The two books were launched at the ISEA's Silver Jubilee Celebrations during the National Arts Festival and a series of *New Coin* Poetry Workshops were held to encourage novice and practising poets. The first award of the Sydney Clouts Memorial Prize for Poetry, awarded annually for the best poem published in *New Coin*, went to Mr Ken Barris of Cape Town.

The ISEA hosted the 1990 Conference of the Southern African Applied Linguistics Association (SAALA) and several members of staff delivered papers.

Highlights of the year in the **Molteno Project** included two highly successful regional conferences on "*Localized School-Based Training*", the launch of Molteno in KaNgwane and agreement by the Department of Education and Training to place *Bridge-to-English* on the requisition list for classroom use in 1992. Professor Len Lanham, founder of the project, was awarded the Gold

Medal of the English Academy of Southern Africa for services to English. Donations to the Molteno Project for the financial year 1989-1990 totalled some R1,5million.

The **Tick Research Unit** celebrates its 21st anniversary in 1991 and to commemorate the occasion, a book entitled *Tick Vector Biology - Veterinary and Medical Aspects*, edited by Professors Bruce Fivaz and Ivan Horak and Dr Trevor Petney will be published.

Of particular interest to the TRU was the emergence of Lyme Disease, a hitherto unknown tick-borne disease which affects humans and animals alike. Intensive studies identified the existence of the disease in Natal amongst horses, dogs and their owners. Three important scientific papers on Lyme disease were produced and published in the *South African Medical and Veterinary Journals* in 1990.



## Ten Years in East London

1991 marks the tenth anniversary of the establishment of the East London Division of Rhodes University. There is a feeling of satisfaction and admiration for the foresight of those who planned and established the campus.

When the Division introduced BCom courses in 1981, 50 students registered for the Accounting curriculum, which was the only course of study available.

Since then the enrolment has grown to over 300 students who can choose from five BCom curriculum options, a BA or a BEd degree.

The East London Division has attracted students of all ages and from all walks of life. Our oldest student turns 81 this year! Excellent examination results were achieved at the end of 1990 with a pass rate of over 80% in all academic years.

Sport and recreation has also played an important role in the university. The undoubted highlight of the year was the appointment of Mr Peter Kirsten as Administrative Officer, Sport, School Liaison and Public Relations. He has set about organizing sport in a very determined way and the fact that, in only their second season in the first league, the Rhodes first eleven tops the two-day log, speaks volumes for his efforts.

The non-formal, continuing education initiative of the campus is thriving through the efforts of the **Institute for Social and Individual Development** directed by Mr Ken Dovey. The Institute's education and social responsibility programmes have been acclaimed by the East London community.

The future of the East London Division was discussed by senior administrators, academics, board and Council members in November and a framework for development has begun to evolve. The underlying strategy is that East London should develop along complementary lines to those in Grahamstown. The last ten years have been difficult at times but the progress has been pleasing and there is much optimism for the next decade.



The East London Division of Rhodes University.



The Ambulatory in the new section of the East London Division.



Dr and Mrs Henderson and Dr Ashton Chubb, one of the pioneers of the East London Division, at Graduation.





The Rhodes Rowing Club: the best in the country. Springbok Greg Vermaak is fourth from the front in the blue shirt.

### Students' Representative Council

The 1989/1990 National Union of South African Students (NUSAS) Students' Representative Council had an exciting and challenging term of office during which participation in student affairs grew dramatically and a number of new, well supported projects were initiated.

The SRC Campus Referendum, in particular, drew enthusiastic support with over 80% of residence students voting on pertinent issues. Other successful projects included the Orientation Week Programme, the SRC Leadership Weekend, a contraception campaign and the Education Crisis Campaign.

1990 was a year of exciting political change. The SRC, together with the Black Students Movement (BSM), embarked on a number of campaigns to foster non-racialism, address racial division and tension, and to try and build a unified student body. Exciting developments also took place between NUSAS and the South African National Sports Council (SANSCO) in their efforts to create one non-racial student organization which is set to be formed in mid-1991.

The SRC continued to provide a number of benefits and services to students such as a resource centre, media facilities, discounts in town, a travel service and a new benefit, Disciplinary Aid, was initiated.

The Campus Leadership Forum, which drew together leaders from societies, house committees and Faculty Councils met regularly during the year, ensuring that student concerns were addressed.

The SRC election for 1990/1991 was one of the most hotly contested elections in recent years with a high percentage poll. This is perhaps an indication that students now appreciate the importance of effective student government.

### Sports Council

1990 saw a number of new developments within our sporting structure. With the addition of Mr Doug Coghlan and Mr Stan Morgan to the staff and the return of Mr Steve Olivier to the position of Senior Sports Officer, the Sports Administration was able to expand its influence and involvement in sport and recreation on campus.

A Development portfolio, aimed at improving the competitive standards of sport at Rhodes through active recruitment of top sportspeople, was established.

In keeping with national initiatives towards the normalizing of the political situation in the country, came similar advances at Rhodes. Much progress was made amongst national bodies with the involvement of the National Olympic Sports Congress towards the unification of a number of sports under one body. This culminated in the announcement that soccer would be played under one body from 1991.

Mr John Donald, Head of Sports Administration, was intimately involved in negotiating unification of sporting groups on campus. The Rhodes SATISCO body was highly instrumental in this process and continues to give direction to negotiations both on campus and further afield.

Our sports teams acquitted themselves extremely creditably. The Rowing Club became the top rowing club in the country and produced a very worthy Springbok in Greg Vermaak. Many other individuals attained provincial and national recognition and the base of athletic talent augurs well for future years.

Another important development of 1990 was the funding of an additional Special Grant by the University Council over the next three years. The additional funds will be used in the vital areas of Sports Bursaries, Development, Coaching and player subsistence.

Sadly, Mr John Donald left Rhodes at the end of the year to take up an appointment as Head of Sports at UCT. He was replaced by Mr Pete Andrew who returned to Rhodes after previously spending five years on the staff as Senior Sports Officer.

### The Sanatorium

The Sanatorium continued to fulfil a vital role on campus, providing health care to both students and staff. Due to the steady increase in Service Staff Clinic attendance, it was believed that both students and staff would benefit from separate health services. A final decision on the matter was deferred until 1991 for consideration by the new Dean of Students.

Numerous useful articles were published in the staff newsletter, Rhodes, during the year relating to various topical health care issues, many of which were translated into Xhosa. Various pamphlets were also produced and were very well received by students.



# COMPOSITION OF THE STUDENT BODY

## Student Numbers 1990

	Arts	Commerce	Divinity	Education	Law	Pharmacy	Science	Social Science	Occasional	Total
<b>Undergraduate</b>										
1989	1071	780	30	73	12	202	397	251	70	2886
1990	1152	768	38	65	6	203	391	278	100	3001
<b>Graduate</b>										
1989	279	46	30	197	76	11	212	40	-	891
1990	297	50	35	220	89	12	213	46	-	962
<b>Total</b>										
1989	1350	826	60	270	88	213	609	291	70	3777
1990	1449	818	73	285	95	215	604	324	100	3963

## Graduation April 1991\*

	Arts	Commerce	Divinity	Education	Law	Pharmacy	Science	Social Science	Total
<b>Undergraduate diplomas &amp; certificates</b>									
1990	6	2	-	8	-	-	-	-	16
1991	3	-	-	10	-	-	-	-	13
<b>Bachelor's degrees</b>									
1990	247	117	3	18	2	47	93	42	569
1991	248	139	5	15	2	27	76	36	548
<b>Postgraduate diplomas &amp; certificates</b>									
1990	23	26	-	67	-	-	-	1	117
1991	21	22	-	52	-	-	-	2	97
<b>Second degree</b>									
1990	88	8	9	32	27	-	59	18	241
1991	77	11	5	29	32	-	55	27	236
<b>Master's degrees</b>									
1990	15	-	2	12	-	2	19	4	54
1991	13	-	-	-	-	-	6	-	19
<b>Doctorates</b>									
1990	3	-	4	1	1	1	9	-	19
1991	3	1	-	-	-	-	4	2	10
<b>Total diplomas &amp; certificates</b>									
1990	29	28	-	75	-	-	-	1	133
1991	24	22	-	62	-	-	-	2	110
<b>Total degrees</b>									
1990	353	125	18	63	30	50	180	64	883
1991	341	151	10	44	34	27	141	65	813
<b>Total awards</b>									
1990	382	153	18	138	30	50	180	65	1016
1991	365	173	10	106	34	27	141	67	923

\*As this report is printed before graduation, there may be changes to the 1991 awards. Final figures will appear in next year's report



# Research grants

The number of Rhodes scientists (natural and mathematical) successfully rated by the Foundation for Research and Development (FRD) is 33 out of a full-time science staff of 88. This gives a ratio of 37,5% which is one of the highest in the country where the university average is 20%.

FRD grants for self-initiated research received by these 33 scientists amounted to R875 000 in 1990. Apart from this sum, numerous research projects were supported during the year by outside sources through contracts or specific applied research projects which enhance and are integrated in the academic work of both staff and students.

Amounts of the following order were received:

For the Natural and Mathematical Sciences	Amount in Rands
● FRD grants	875 000
● FRD Special programmes	192 500
● From the following:	1 425 000

Department of Agricultural Development

Department of Environmental Affairs

Pineapple Growers Association

Langeberg Co-op Society

Western Province Preserves

Shelford Enterprises

Medical Research Council

National Energy Council

Water Research Commission

Sea Fisheries Research Institute

Lennons

Mohair Board

SA Livestock and Meat Industries Control Board

Farmers Association

Anglo American and De Beers Chairman's Fund

## For the Human Sciences

● From the Human Sciences Research Council, Department of Manpower, and the Foreign Ministry of the German Government.	205 000
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**Total**      **2 697 500\***

\*This amount does not include the substantial external funds received by the Institute for the Study of English in Africa (ISEA) for the Molteno Project, the Institute of Social and Economic Research (ISER), the Dictionary Unit or any other associated research institutes namely LIRI Technologies, JLB Smith Institute of Ichthyology, the Centre for Social Development or the Albany Museum.

Nor are ad hoc grants to staff for overseas travel from FRD, HSRC, Anglo American and De Beers Chairman's Fund or the Water Research Commission included.





## 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."