



**Rhodes University**  
**1989**  
**Annual Report**





Founded in	1904
Students	3777
Men	2073
Women	1704
Grahamstown students	3452
East London students	325
Academic Staff	285
Student/Staff ratio	13:1
Halls of Residence	8
Residences	36
Students in Residence	1742
Grounds	203 hectares

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### 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 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

Institute for Freshwater Studies

Tick Research Unit

### 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*)

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

Dr 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 Yeoward\*

\* Denotes members of the Investment  
Committee

# Report of the Vice-Chancellor



**R**hodes University experienced some student disruptions during a rather revolutionary 1989, but events here were not to be compared with Eastern Europe. At Rhodes there was no animosity or bitterness between students and University officials.

Late in the year the University was the setting for a significant call for unity between national student bodies. The annual congress of the National Union of South African Students (NUSAS) was addressed in our Great Hall by Mr Andrew Mlangeni, the ANC leader who had recently been released from detention. He called on NUSAS and SANSCO (The South African National Students Council) to unite, criticizing the fact that "students were still divided along racial lines". He said that he and countless others had gone to gaol trying to destroy apartheid while the future leaders of South Africa, its students, were reviving it.

Fortunately, one can learn from adverse circumstances, a fact that Shakespeare noted some 400 years ago when he stated "sweet are the uses of adversity". Caught between the rising expectations of some students and an increasingly tight-fisted government under all round pressures, universities are having to make a number of adjustments and adaptations.

The most obvious of these is the need to supplement increasingly our traditional revenue sources - student fees and state subsidy. Fortunately Rhodes is not empty-handed when it looks to the private sector for further financial support. It is able to offer industry opportunities for partnership in a number of areas that could be mutually beneficial.

As the Vice-Principal, Dr Roux van der Merwe, said to donors in a Christmas message during my absence on leave,

"There is a growing need for trained scientists. Their training cannot effectively be attempted in company laboratories with the attendant pressures of production schedules, the need for viable results and the bottom line of short-term payoff. Education does not produce an immediate return, but if it is consistently neglected there is an inevitable penalty to pay down the line. It is a penalty that can spell disaster for a modern, technological society. Universities are designed for teaching and I

believe that we can offer a co-operative venture in the training of scientists with Rhodes University providing knowledge and the skills and industry material support, to enable the partnership to produce industry's vitally needed skilled scientists.

"The implications are of course wider than for industry alone. Master's and Doctoral students - whether they be in Arts or Science or Commerce - who are working on practical, focused projects, are in effect a most useful blend of apprentice researcher, embryo academic, and skilled applied worker. As such, the sponsor of such research enjoys both a short-term payoff, on an applied project, as well as providing a medium-term investment into a pool of future, high-level, trained specialists. I commend this approach to you: it embodies a symbiosis that epitomizes the potential partnership between the University and the world it has to serve"

Rhodes was able to extend its search for opportunities to co-operate with outside agencies when I and Vice-Chancellors of the other open universities in South Africa attended a meeting with principals of a dozen European and American universities. We met in Switzerland in September to talk about ways in which we could co-operate with each other on financial and academic matters.

Nearer home, we are pursuing a joint rationalization policy with other Eastern Cape tertiary institutions. In particular, we are co-operating in the fields of libraries and computers with the Universities of Port Elizabeth and Fort Hare, Vista University, the Port Elizabeth Technikon and various teacher training colleges. We have even been able to share some teaching responsibilities and, through the efforts of various departments, we are able to draw closer to other institutions from the bottom up, rather than through a process imposed from the top down.

These developments are a tribute to the staff concerned, and are in line with the Committee of University Principals' belief that if tertiary institutions do not themselves eliminate duplicated labour, time and materials, the government will. Its methods are likely to be more radical and less sensitive to local problems and

needs.

Among recent changes at Rhodes are shifts in emphasis in the Drama and Divinity departments and a decision to join Microbiology and Biochemistry into one department that will become the natural home for the growing field of Biotechnology.

Although our student numbers have remained fairly static - we are now limited to a one percent undergraduate growth rate - numbers of applicants rise steadily each year and have trebled in a decade. This has led to our being able to increase academic admission requirements, which in turn is helping to improve the University's pass rate. Another important development is that the percentage of graduates in our student body has risen to 23,6 percent with the result that nearly 900 students are reading for honours, master's and doctoral degrees, or graduate diplomas and such professional degrees as LLB and BEd.

In the computer world we remain innovative and our Computing Centre has been able to establish an electronic mail link with academic and research networks abroad. This link has been extended to other universities in South Africa and Rhodes has become - in one sense - the gateway to the world.

Our East London Division has had another good year and its progress is reported separately. Much effort has had to be put into preparing for the introduction of a BA degree course.

More detailed information about the University follows but I would sum it up by saying that Rhodes is quietly thriving and is well set to face the excitements and developments of the final decade of this century.



*Derek S. Henderson*  
**D S HENDERSON**  
Vice-Chancellor

# Rhodes University Foundation: Chairman's Report

The Foundation has been able to increase its direct and indirect assistance to the University by taking advantage of the higher yields available in 1989 on interest-bearing investments. The need for support 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 adjacent statement but are handed intact to the Foundation for investment.

It is the Foundation's Investment Committee's policy to invest reasonably permanently in sound shares and interest bearing investments, changes of investment being made only as circumstances alter. The portfolio has recovered from the 1987 market crash. New money accounted for R974 000 of the increase in market values, and appreciation for R8 892 000.

A brief summary of the investments held at the year-end is given below.

Dr BE Hersov has resigned from the Investment Committee but will remain a member of the Board.

The Board welcomes Mr BS Rayner and Mr RD Hamilton who joined in August 1989.

## SUMMARIZED INCOME STATEMENT

	1989	R thousands 1988
Income from investment	2131	1324
Dividends	775	798
Interest	1346	516
Other income	10	10
Less: Expenses	53	(42)
<b>Net income</b>	<b>2078</b>	<b>1282</b>
Less: Distributed to and expended for the benefit of Rhodes University and other funds	(1707)	(1061)
Retained for re-investment	371	221

## SUMMARIZED BALANCE SHEET (AT MARKET VALUES)

	1989	R thousands 1988
<b>Fundholder's capital employed</b>	<b>33545</b>	<b>23571</b>
Foundation	20444	14042
University and others	13101	9529
<b>Employment of Capital</b>	<b>33545</b>	<b>23571</b>
Investment and cash	33472	23606
Accounts receivable less payable	73	35

JB SUTHERLAND  
Chairman of the Board of Governors  
Rhodes University Foundation

## INVESTMENT PORTFOLIO

	1989				1988			
	Cost	%	Market value	%	Cost	%	Market value	%
<b>Mining and Mining Financial shares</b>	6093	30	15738	47	5696	35	10502	45
<b>Industrial shares</b>	2239	11	5494	16	4785	29	7112	30
<b>Long-term Interest-bearing</b>	1179	6	1283	4	339	2	497	2
<b>Short-term Interest-bearing</b>	10957	53	10957	33	5495	34	5495	23
	<b>20468</b>	<b>100</b>	<b>33472</b>	<b>100</b>	<b>16315</b>	<b>100</b>	<b>23606</b>	<b>100</b>



# University Financial Report: 1989



The report on finances for 1988 highlighted the careful planning needed to manage the finances of the University, given the declining level of state subsidies and the need to keep tuition and residence fees within the means of students and their parents. A careful study of the attached income statements will reveal that this balance was achieved in 1989.

Government subsidies, as a percentage of total University income, declined by two percentage points. The favourable rates of interest earned on the University's investments meant that it was possible for student fees to be increased by a smaller rate than would otherwise have been necessary. The concerted drive by the Government to reduce state expenditure will have a further impact on the need to generate a greater percentage of own income.

We continue to rely heavily on the generosity of all who contribute to the finances of the University, either in the form of bursaries or grants. In particular the part played by the Governors of the Rhodes University Foundation in this regard is a significant factor.

The budget for 1990 was based on the information outlined on this page. Accordingly a difficult year is anticipated, but the experience of the two previous years has engendered a spirit of confidence and enthusiasm for the future.

The residences are, as previously reported, run on a self-supporting basis where residence fees are fixed at levels to meet running and maintenance costs. Additional sources of revenue, in the form of conference income, are therefore sought in order to provide funds for, inter alia, reserves necessary to ensure that the fabric is maintained in the long term.

## INCOME STATEMENT: UNIVERSITY

	1989	%	<i>R millions</i>	
			1988	%
<b>Income</b>	<b>46,7</b>	<b>100</b>	<b>37,5</b>	<b>100</b>
Government subsidies	32,3	69	26,6	71
Student fees	10,1	22	7,8	21
Investment income	3,0	6	1,8	5
Other	1,3	3	1,3	3
<b>Expenditure</b>	<b>46,7</b>	<b>100</b>	<b>37,5</b>	<b>100</b>
Salaries and benefits	28,8	61,5	23,6	63
Operating expenses of building, grounds and equipment	3,0	6,5	2,5	6,5
Loan interest and redemption	2,5	5,5	2,5	6,5
Central administration	3,5	7,5	3,0	8
Departmental and research grants including library books	4,1	9	3,3	9
Other including transfer to reserves	4,8	10	2,6	7

## INCOME STATEMENT: RESIDENCES

	<i>R thousands</i>
<b>Income</b>	<b>8056</b>
Residence fees	7407
Other income	649
<b>Expenditure</b>	<b>8039</b>
Food	1980
Salaries and Wages	1223
Power and Water	768
Loan interest and redemption	500
Laundry	336
Replacements and maintenance provisions	2223
Other Expenses	1009

# Departmental Reports

**B**ESIDES tutoring activities, the **Academic Skills Programme (ASP)** included a postgraduate workshop, departmental tutor training, student advising and the Masifunde Winter School in their agenda.

The ASP was involved in the resuscitation of the Teaching/Learning Support Committee, with the Programme Director, Dr George Carter, as chairman.

Dr Carter paid a two-month visit to the United States, where he taught a course in South African history at San Diego State University and visited potential funders.

Visitors were hosted from the Canadian Embassy, British Council, United States Agency for International Development, United States Information Service, and the Development Bank of Southern Africa.

The **Department of Accounting** participated in the Academic Articles programme of the Public Accountants and Auditors' board for the first time. It is hoped the programme will form a permanent feature in the future. One of the 1989 Honours candidates is serving a year of Academic Articles at Rhodes in 1990.

The new Honours programme, which breaks away from the constraints of the undergraduate Accounting syllabus, entered its second year. The Honours group again mounted an Income Tax Clinic to assist tax payers with their returns. Originally aimed at Rhodes staff, the clinic now attracts outsiders as well.

The CU Peat Memorial Chair is occupied by Professor Jeff Rowlands while Professor Peter Surtees continues to hold the Arthur Anderson Chair of Accounting. Several firms sent visiting lecturers during the year and the Department continues to foster relations with the profession to ensure that teaching is up to date. The East London Division saw the retirement of Associate Professor Stephen Collis after a long career at Rhodes.

The **Department of African Languages** is being reorganized with more emphasis placed on practical proficiency in Xhosa for second-language students.

The Department was honoured recently when Educum Publishers donated fourteen pencil portraits of Xhosa authors and a fifteenth of the



**Gary Gordon, winner of the Young Artist of the Year award, and Andrew Buckland delighted audiences during this scene from the *Anatomical Journey of a Settler Man* which was performed at the Standard Bank National Arts Festival.**

Xhosa chief, Sarhili, son of Hintsu.

A grammar specialist will join the Department in 1990 to reinforce its linguistic component. This is a first step towards phasing out Sotho and replacing it with an additional course in Xhosa specifically for mother-tongue speakers.

The Department of **Afrikaans and Nederlands** produced a record two doctorates and four master's degrees at the 1989 graduation. A leading linguist, Professor Flip Droste from the University of Louvain, Belgium, was hosted.

Professor André Brink read a paper at a conference in Geneva on the role of the media in the modern world, delivered lectures at the Carnivale Writers' Festival in Sydney and the Spoleto Festival in Melbourne, and was part of two delegations who met the ANC.

He was elected, with Saul Bellow, as a permanent member of the jury of the *Prix Jean-Jacques Rousseau* (for philosophy) awarded annually in Switzerland.

Mr Etienne van Heerden was awarded the Hertzog Prize for his novel *Toorberg*, and the ATKV Prize and CNA Award for his short story collection *Die Liegfabriek*. He was runner-up for the JMB Young Achievers Award.

**Biochemistry and Microbiology** have linked to form a new department. This combines two of the University's most rapidly

expanding departments and facilitates further development of Biotechnology.

Microbiology and Biotechnology will move to the Zoology building and Biochemistry will follow once additions are complete.

Professor John Duncan has been appointed head of the new department with Professor Ralph Kirby as the new Professor of Microbiology.

Biotechnology is attracting a number of postgraduate students and a great deal of industry interest and financial support.

The **Department of Botany** saw a name change in 1989. Previously known as the Department of Plant Sciences, the staff elected to 'adopt' a new name, Department of Botany, Schönland Botanical Laboratories.

A major restructuring of courses was initiated, effective from 1990, providing students with a holistic approach to plant biology.

Professor Ted Botha spent six weeks at the University of Madison, Wisconsin as visiting professor. Professor Roy Lubke and Mr Ted Avis attended the Dunes '89 symposium in Swakopmund, Namibia, while Mr Peter Phillipson attended a meeting of Taxonomists held in Pretoria.

The Department hosted Professor Danin, of the Hebrew University of Jerusalem and Dr Patrick Hesp, of Macquarie University, Sydney.





*The ship's elevator from the SA Agulhas, used by the Southern Oceans Group during the Marion Island Research voyage.*

Professor Lubke, together with two other editors, were awarded the Cape Times Centenary Medal for outstanding achievement in the field of environmental studies for the book *A Field Guide to the Eastern Cape Coast*.

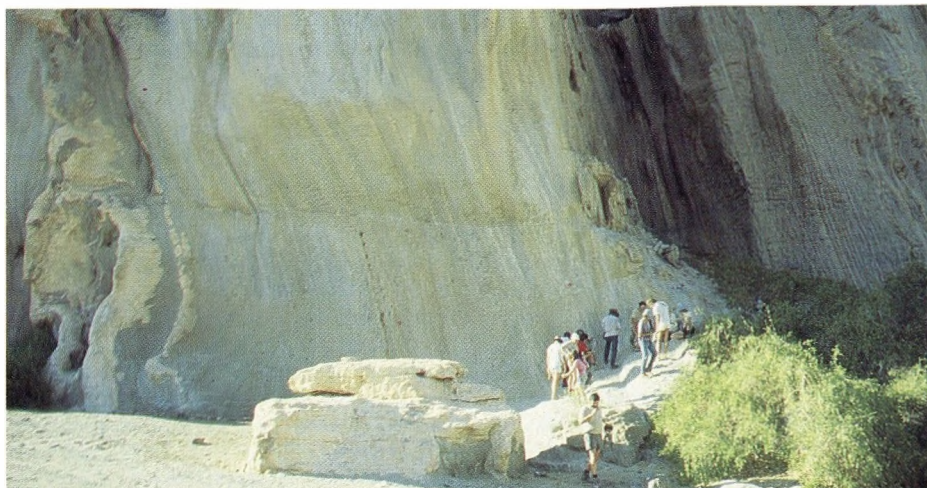
In January 1990, the Department hosts the 16th Annual South African Association of Botanists Conference.

The **Department of Business Administration** continued its policy of steering a middle-course between academic pursuits and maintaining a close relationship with the business community.

Five one-week courses were successfully run for Sun International executives. Visitors included Mr Hugh Herman, Pick 'n Pay; Mr Douglas Baillie, Elida Ponds; Professor Charles Cogill, University of Cape Town and Mr Robin Smith, Durham University Business School. Mr Philip Court and Mr Keith Coman presented papers at the annual conference of the Southern African Association of Management Scientists.

The Human Resources Development Centre (HRDC) within the Department saw its first students complete their course. Professor Malcolm Sainsbury of the Business Information Systems Division spent a sabbatical at the Massachusetts Institute of Technology.

Staff of the **Department of Chemistry and Biochemistry** published 30 papers in international journals in 1988.



*MSc. students from the Geology department exploring the Khan River Gorge.*

During the year Professor John Duncan attended international congresses in Japan and Korea and was elected to the International Committee for Trace Mineral Research. Dr Santy Daya was awarded the SA Neuroscience Group Award for the Most Outstanding Researcher in 1989. Professor Trevor Letcher spent a sabbatical at Carnegie Mellon University. He also spent three months as acting editor of the *Journal of Solution Chemistry*.

Professor Mike Brown spent a sabbatical at ICI, Scotland, and the University of Belfast, Northern Ireland. He also delivered a paper at the Pyrotechnic Seminar in Jersey.

Professor Letcher gave a paper at the IUPAC Solutions Conference in Jerusalem, a lecture on Alcohol Fuel Blends at the Fuels Institute in Tel Aviv and a talk on Methane from Landfill at the University of Haifa.

Visitors to the Department included Professor Leslie Glasser and Professor Peter Ford, University of the Witwatersrand; Dr Carl Albrecht; Dr Clive Elson, St Mary's College, Canada; Dr Robbie Robinson and Dr Hugh Loue, Sentrachem; Mr Tony Bennington, Anglo American; Professor Jenny Thompson, University of Cape Town; Dr Hans le Roux, Sasol; and Dr Irene Watson Craik, University of Strathclyde.

The **Classics Department** considerably modified the Classical Civilization I course in 1989 and will be making further changes in 1990.

A well-known American scholar, William Calder, visited the

Department and delivered a lecture on Heinrich Schliemann.

The three main areas of interest in the **Department of Computer Science** all fared very well in the last year. The Parallel Processing Group continued to expand after obtaining several transputers. The main fields of study in this group are graphics processing and the implementation of functional languages on parallel architectures. Several papers were presented at conferences in this field.

The Computer Music Unit presented its work at the Grahamstown Festival and worked with the Drama and Journalism Departments to produce music and sound effects for productions. A workshop and a keynote lecture were presented at the School Science Festival. Professor Pat Terry continued his involvement with the international standards committee for Modula-2. The draft standard is in preparation for release for public comment. In addition, he was instrumental in the establishment of the Rhodes overseas electronic-mail link which has come into widespread use.

The Department was visited by Dr Jurg Gutnecht from ETH in Switzerland; Mr Dave Coster, an ex-student, now studying for a doctorate at Princeton; and Mr Neil Viljoen from the CSIR visited the Parallel Processing Group. The Department was well represented at the 5th Southern African Computer Symposium, with members



presenting three papers.

#### **In the Department of Divinity**

Professors Pieter de Villiers and Brian Gaybba have replaced Professors John Suggit and Angus Holland, who have both retired. Dr Felicity Edwards became South Africa's first woman associate professor of theology.

A new course, 'Introduction to the Study of Religion', drew many students from other faculties, and served as part of 'Systematic Theology I'. The 1989 Summer School on Benedictine Spirituality had Dr Esther de Waal from London as guest lecturer. Dr Robin Wakely will run the 1990 Summer School, an intensive course in Hebrew.

Staff members published 15 articles and presented six papers at conferences. Three staff have engaged in research overseas. Professor Edwards visited India, the Rev Gerald Hawkes is doing research in Berkeley, California, and Dr Margaret Donaldson continued research in Britain.

Curricula changes have been made. A workshop on contextual theology has been introduced into the programme. Participation in the Winter School of the Grahamstown Festival is being investigated. Exciting research projects, both by staff and by graduate students, are in progress, many of them on lively contextual topics. The Faculty continues to train ministers for the four founding churches and is drawing many postgraduates eager to upgrade their qualifications.

This was the most productive year ever in the **Drama Department**. The Department mounted fourteen productions and hosted twenty-one other shows. *A Midsummer Night's Dream*, directed by Professor Sydney James, opened a successful critical, financial and popular season, and it toured to full houses in East London and Port Elizabeth. The second show, *The Witch of Narnia*, directed by Miss Jane Osborne, was popular and beautifully designed. Other major shows were Miss Beth Dickerson's directions of *The Madwoman of Chaillot* and Mr Gary Gordon's, *Dance 89*. Master student Miss Frances Cox directed the popular *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*. Six student directed one-act plays were sold out.

Mr Gordon was chosen as Young Artist of the Year by the 1820

Foundation and choreographed the *Anatomical Journey of a Settler Man* for the Standard Bank National Arts Festival.

Lecturer, Mrs Reza Reardon, opened her latest play *In a Different Light* at the Market Theatre and her *Op Diepe Grond* is a hit in Los Angeles.

Professor Pat Irwin, formerly of the University of Bophuthatswana, was appointed Head of the **Department of Education** from January 1989. The year saw continued growth in the number of senior postgraduate students; there are now nearly 90 master's and seven doctoral students.

New trends in the Department were the further development of 'computers in education' and English Second-Language, while Environmental Education was introduced as a component of all taught courses. Med courses in Environmental Education and Computers in Education, both the first of their kind in Southern Africa, were developed for introduction in 1990.

Departmental research is largely focused on community-orientated issues. Professor Terry Marsh and Mr John Stoker received substantial HSRC funding for research into software to support mathematical literacy for primary school teacher training in 'Black' education. Mr Peter Glover spent the year on sabbatical at the University of Oregon, while Mr Steve de Wijn was awarded a half-Fullbright Scholarship which took him to Stanford University, California.

Among local and foreign visitors were Dr David Uzzel, an environmental psychologist from University of Surrey; Mr Michael Storm, HMI, an acknowledged authority in geographical and environmental education; Mr Rams Rammutla, a leading Southern African environmental educationist, Mr Jay Heale, a well-known author and authority on children's literature and Mr David Benzie of the Centre for Information Technology for Education, Plymouth.

The **Department of Economics and Economic History** saw changes in course curricula, staff and physical accommodation during 1989.

With the addition to Economics I of sections on international economics and the structure and development of the South African

economy, the Economics IB option became redundant and the first-year course has become a broader and more satisfactory introduction to the discipline.

Long overdue upgrading of the Department's office accommodation began with the construction of a postgraduate room, to be known as the Hobart Houghton Seminar Room.

Staff have contributed to publications and conferences during the year. Mr Murray Leibbrandt presented a paper on land reform at a conference in Amsterdam. Research publications covered such diverse topics as Transkei's development strategy, content protection in the motor vehicle industry, income distribution and economic sanctions, and trade liberalization.

Distinguished visitors included Professor Francis Wilson, Director of the Second Carnegie Inquiry into Poverty in South Africa, and Dr Charles Simkins of the Urban Foundation.

Publications produced by members of the **English Department** During the year included no fewer than four books by Honorary Fellow, Professor Guy Butler: *A Rackety Colt* (historical novel), *Tales of the Old Karoo* (short stories), a new edition of his award-winning *Selected Poems*, and an anthology of South African narrative verse entitled *The Magic Tree*. Professor Butler was honoured by the English Academy as the first recipient of its Medal for 'conspicuous service in the cause of English over a number of years'.

Other members of the Department published articles and reviews in journals in this country and overseas, and read papers at conferences held in Durban, Pretoria and Port Elizabeth.

Professor John Gouws passed the year at Wolfson College, Oxford, preparing an edition of the unpublished work of Sir John Oldisworth, and Dr Wendy Jacobson spent several months at the Victorian Studies Institute, University of Leicester, researching religion in the fiction of Charles Dickens. Professor Ruth Harnett retired at the end of 1988 after a long and distinguished career at Rhodes.

Undergraduate achievements in 1989 were particularly outstanding. The first-year failure rate, at 13 per cent, was the lowest in a quarter of





a century, all final-year students passed, and one of them, Miss Elizabeth van Niekerk, achieved one of the highest marks ever recorded in the Department.

The **Department of Fine Art** held two major shows this year. Staff and senior students put on a successful show for the 1989 Festival of the Arts. At the annual student show close on 300 works were exhibited. Eight internal shows were held, including a one-man show of paintings and drawings by Mr George Coutouvidis, and an exhibition of work by the photographic section.

Professor Jos Nell won a sculpture competition organized by the University, and Mr Carl Roberts was awarded second prize. Professor Nell was also awarded a major commission by the University of Bophuthatswana to execute a bronze sculpture.

Mr Noel Hodnett was chosen to represent South Africa at the Ninth International Biennial in Valparaiso, Chile. One of his works was bought by the Johannesburg Art Gallery.

The Ann Bryant Art Gallery in East London bought work by Professor Robert Brooks and the Eastern Province Society of Fine Art in Port Elizabeth awarded a prize for the best work on show to Professor Brooks.

Mr Obie Oberholzer's second book, *Southern Circle*, was published. His first, *Ariesfontein to Zuurfontein*, was runner up in the 1989 CNA book prize.

The **Department of French** hopes to make arrangements to send selected students on French Government short-term scholarships to France next year. The French Government will also offer postgraduate scholarships at French universities.

Professor Patrick Fein delivered a paper on Sade to a conference in Durban and was elected to the steering committee of the proposed new Association of 18th Century Studies in Southern Africa. Professor Fein is also vice-president of the Association for French Studies in Southern Africa.

Professor John Daniel retired after eighteen years as Professor and Head of the **Department of Geography**. Professor Daniel was awarded the Gold Medal of the South African Geographical Society for his contributions to his subject.

During the year the Department published a book entitled: *Fifty Years of Geography at Rhodes University: essays in honour of Professor Jack Rennie* which was presented to Professor Rennie (the founder Professor of Geography at Rhodes) in the presence of Professor Vernon Forbes (the second Professor of Geography at Rhodes) on the day before Professor Forbes was admitted to the degree of DLitt (honoris causa).

Staff delivered papers at many conferences, including the International Association of Hydrological Sciences, held at Baltimore, USA, and the UNESCO Project on Geocryology at Mendoza in Argentina. Professor Colin Lewis, the new Head of Department, is a member of the latter project and chairs its southern African committee.

Visitors to the Department included Emeritus Professor Robert Steel, formerly Principal of University College Swansea, and President of the Institute of British Geographers; Honorary Professor Rodney Maud of the University of Natal; Professor Anthony Christopher, of the University of Port Elizabeth; and Dr Tony Lemon of Oxford University.

In the **Department of Geology** the modular structures of the Masters of Science courses in Exploration Geology and Economic Geology that allow for part-time study have worked extremely well. A feature of the MSc courses is the extensive field-based coursework in a variety of mineralized environments in southern Africa.

Professor Julian Marsh attended the International Geological congress in Washington DC and the International Volcanological Conference on Continental Magmatism in New Mexico, where he presented some of the results of recent research. Mr Bernd Teigler attended and contributed to the Fifth International Platinum Conference in Finland in July. The results of the Bushveld Igneous Complex Group's research were presented at the Conference on the Origin of Mineralization in southern African Layered Intrusions, held at the University of the Witwatersrand in November. Of the total of 28 papers presented, nine involved present and past staff and students of Rhodes.

Dr Alan Butcher ran a very successful evening course on Geology over a period of ten weeks for interested townspeople.

The **Department of German's** Oral History project gained momentum this year when the Southern African Studies Centre (SASC) of the University of Essen (Germany) entered into a co-operation agreement with the Head of the Department of German. The material will be published overseas as a joint venture of the SASC and Professor Dieter Welz of the German Department at Rhodes. Professor E Lehmann, the Director of the SASC, will join the fieldwork in the Kaffraria district in 1990 as a Senior Research Fellow of the Department of German.

Professor Welz presented a paper at the *IX Internationale Deutschlehrertagung* in Vienna. The paper dealt with the teaching of German as a foreign language.

Two German Foreign Language students received Goethe Institute scholarships this year, enabling them to attend language courses at Staufen and Rothenburg.

The **Department of History** had a year of conferences. Members attended the biennial conference of the South African Historical Society in Pietermaritzburg in January. Professor Rodney Davenport delivered a paper on segregation and industrialization, and Dr Chris Hummel discussed Port Alfred's failure to attract industry.

Mr Richard Bouch delivered a paper to a conference about slavery held at the University of Cape Town, while Mr Matthew Smith gave a paper at a conference of the Association for Sociology in South Africa. Dr Julian Cobbing presented some of the results of his extensive new research into the Mfecane in talks at the University of Cape Town. Dr Hummel delivered a paper to a conference at the University of Natal.

The year has been exciting for the **Department of Ichthyology and Fisheries Science**. Student numbers continued to grow and, in July, the Department moved into renovated laboratory buildings, with the prospect of additional office and laboratory accommodation in the offing.

On the research front, Dr Colin Buxton and his students are assessing the value of marine.

reserves as a management option for endemic reef fish species in the Tsitsikamma National Park and the Comores Islands. Professor Tom Hecht and his researchers have completed the investigation of the commercial fishery at Port Alfred and are busy with projects on stock integrity of horse mackerel and kob along the South African coast, and ichthyological investigations on Tristan da Cunha.

Aquaculture research continues to grow. Some major changes have been made on the fish farm and the Department has received excellent support from the private sector. Major donors were the Anglo American and De Beers Chairman's Fund, Afrox (Pty) Ltd and Mannesmann (AG).

Research has been initiated on the culture of abalone by Mr Peter Britz, recently appointed as a lecturer in the Department.

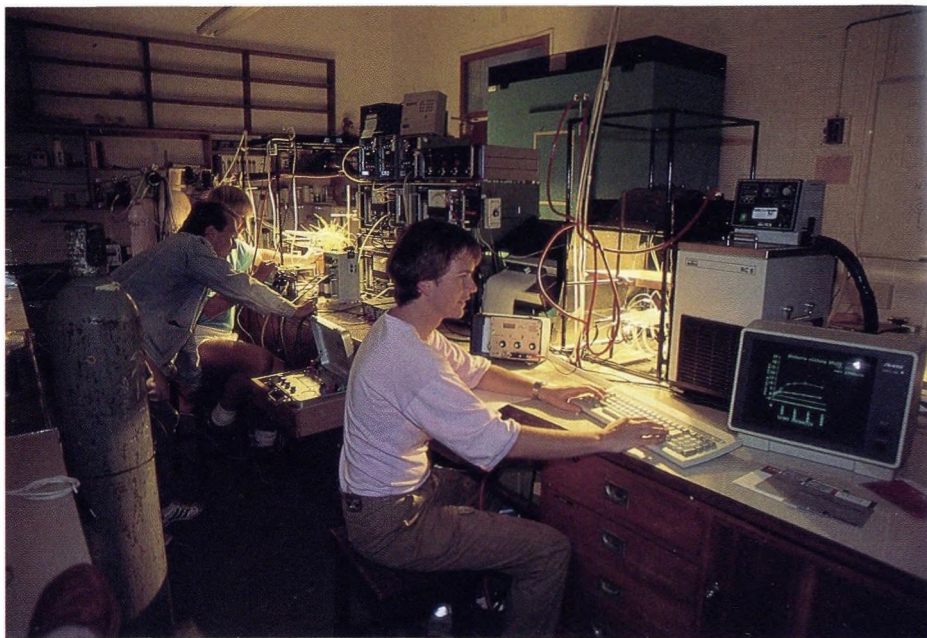
Professor Hecht was appointed by the Minister of Environment Affairs to the Sea Fishery Advisory Committee. He has also been appointed to the editorial board of the international journal *Aquaculture*.

A Legal Career Guidance programme was initiated in June by the **Department of Law**. The programme was designed to give senior school children an insight into the career options available to law graduates and will be an annual event. Two Rhodes bursaries of R1500 were awarded for the best essays written.

The Department received a number of visitors during the year, among them Professor Jack McCrory, Vermont, USA and Professor Hillers de Luque, University of Madrid. The guest speaker at the annual Law Dinner was The Hon. Mr Justice D Kannemeyer.

Professor Ivan Schafer visited the University of Transkei and the University of Durban Westville giving lectures, while Dr Michael Lambiris, Mr Rob Midgley and Mr John Grogan attended various conferences.

The **Rhodes Library** staff initiated a new programme for orientating students to the Library. Students registering at Rhodes for the first time could take part in a familiarization tour during which they were shown how to use the



**Botany research students at work in the Ecophysiology laboratory.**

facilities. The innovation proved successful, with nearly 70 percent of new students taking part in this voluntary programme. The programme will become a permanent part of the Library's activities in the future.

On the technological front, the joint computerization project with the University of Port Elizabeth progressed satisfactorily and the investigation into available application software was completed by the end of the year. The Library was connected to the Dialog information service and a number of on-line searches were conducted for researchers. The first CD-ROM workstation and several CD-ROM databases were ordered. These will be functioning in 1990.

The project to move less-used books into storage got under way with the allocation of space in the old Pharmacy Block. This is the first step to relieve overcrowding in areas of the library.

The **Cory Library** experienced a year of unprecedented use. There was a steady stream of distinguished overseas scholars from many universities. Notable amongst these visitors were Professors Shula Marks, Saul Dubow, Robert Elphick, Robert Gordon and Janina Konczacki.

Of the important collections deposited in the Cory Library during the year, the most significant were

the papers of the late Christopher Gell, the national archives of the Association of Round Tables of South Africa and a valuable collection of fire insurance plans of towns in the Eastern and Western Cape prepared by the firm of Charles E Goad.

Ms Sandy Rowoldt, the Cory Librarian, attended the SABC *Sound Archives symposium*, a seminar on *Library services and the print handicapped student*, the University of Cape Town Symposium of *The Future of Library and Information Science and Bibliophilia Africana VI* at the South African Library in Cape Town.

The Cory Library continued its publishing programme with the issue of *Methodist Church in Africa* by the Rev. Lordvyck Xozwa. Part I of a new and comprehensive guide to the Methodist Archives housed in the Cory Library was produced by Ms Rowoldt and Mr Michael Berning.

Two young mathematicians joined the ranks of the **Department of Mathematics (Pure and Applied)**. Mr Bruce Brown came from Johannesburg. Dr Tomasz Kubiak came from Poland as a Hugh Kelly and CSIR Fellow for one year. He forms part of Professor Wesley Kotze's research group on Fuzzy Set Theory. Professor Kotze attended two conferences as guest speaker - one in Linz, Austria and the other in





*Professor Daniel being presented with the Gold Medal of the South African Geographical Society by Professor RJ Davies, Professor of Geography at the University of Cape Town.*



*The Southern Ocean Group deploying sediment traps from the SA Agulhas.*

Poznan, Poland. Dr Venkad Murali attended the conference of the International Fuzzy Systems Association in Seattle in August.

The **Department of Music and Musicology** continued its programme of visiting lecturers by hosting Dr Dave Dargie of the Lumko Institute, who gave talks and workshops on African Music, and Professor James Standifer from the United States, who spoke on Afro-American music.

The Oude Meester Foundation sponsored Dr Dargie's workshops and a number of concerts in collaboration with the Grahamstown Music Society.

The Department provided music at functions during Graduation and the Jazz Band played at various Eastern Cape venues throughout the year. Professor Norbert Nowotny conducted *South Pacific* with Ge Korsten at the Port Elizabeth Opera House and delivered his inaugural lecture. Dr Ishbel Sholto-Douglas was invited to conduct cello master classes in London in November.

The Rhodes Flute Trio, made up of full-time lecturers, was sponsored by CAPAB to perform in King William's Town, Knysna and Graaff Reinet.

The Chamber Choir again drew students from all departments of the University and its 37 members

toured the Western Cape during September.

At the **School of Pharmaceutical Sciences**, staff members attended and contributed to academic and professional meetings in America, Austria, Bophuthatswana, England, France, Germany and South Africa this year. Professor Ben Potgieter was elected President of the South African Pharmacological Association. We maintained mutually useful links with industry, and various sponsorships for research have been renewed. About thirty research publications have appeared or been accepted by international journals.

The process of centralization, initiated some years ago, is near completion, with arrangements for bringing more of the Faculty under one roof on the central campus.

This year saw the **Department of Physics & Electronics** establish a Mathematical Physics group consisting of Dr Fabio Frescura and two Master's students, and Dr Grzegorz Lubczonok and Mr Bruce Brown of the Department of Mathematics. The group is concerned with attempts to express the laws of physics in terms of the geometric properties of some suitable theoretical space. Professor Christoph Leubner of the Institute for Theoretical Physics, Innsbruck, spent three months in the Department as the Hugh Kelly Fellow. Besides teaching a course on Quantum Mechanics, he collaborated with Dr Frescura on developing new approaches to teaching this subject.

This year saw the largest class of Honours students in the history of the **Social Work Department**. These students were involved in a comprehensive practical work training programme which included a number of field trips as well as short-term courses presented by specialist practitioners.

The change to the four-year Social Work degree is still in progress and will enter its third year in 1990.

The year has been one of consolidation and progress for the **Department of Sociology and Industrial Sociology**. The research involvement of all students was supervised in an efficient and well-structured way. For the second year the Anglo American and De Beers Chairman's Fund was utilized for



third-year students to research a wide range of topics.

With co-operation from the University of Port Elizabeth, and staff from other departments at Rhodes, a programme in Industrial Relations was offered for the first time at Honours level. This has drawn much interest.

Professor Jan Coetzee delivered his inaugural lecture in May, had two articles published, and read a paper at a specialized conference. He was appointed chairperson of the Human Sciences Research Council's discipline-orientated committee for Sociology and Related Disciplines and was elected a member of the HSRC's main committee for Research Development.

It was a productive year in the **Department of Zoology and Entomology**. A tutorial system at third and Honours-year levels was launched and immunocytochemistry, useful in the field of cell biology, was introduced.

The Southern Oceans Group participated in the Marion Island Research voyage which included Professor Brian Allanson as Chief Scientist, Dr Brian Boden, Mr Renzo Perissinotto and some Honours students.

Dr Steve Compton attended the Plant-animal Interactions Conference in Oxford; Dr Ric Bernard attended the 8th International Bat Research Conference in Sydney and Dr Christopher McQuaid and Professor Allanson went to Oban, Scotland for the 24th European Marine Biology Symposium.

Professor Randall Hepburn and Dr Adrian Craig continue as editors of *The Journal of South African Zoology* and *Ostrich* respectively. Professor Pat Hulley and Dr Bernard assumed editorship of the *Journal of the Entomological Society* and the *Journal of the Electron Microscopical Society* respectively.

Some highlights of the year included the appointment of Professor Hepburn as President of the Entomological Society of Southern Africa and Dr Bob (J C) van Hille to Associate Professor Emeritus.

Visitors included Professor G Bartholomew, University of California; Professor Hugh Patterson, Brisbane University; Professor J Heller, Hebrew University; Dr Hall Cushman, Centre for Population

Biology, London and Dr Johannes Lutjeharms, NIRO, who delivered the Schonland Memorial Lecture. And finally, a great sadness was the death of Dr Brian Boden, an oceanographer of international repute, who will be greatly missed.

### Rhodes University East London Division

**T**he Rhodes University East London Division continued to grow during 1989 and we were able to record student numbers of 325. The student population continues to be dominated by those studying towards a Bachelor of Commerce degree. In 1989 we had the distinction of having the best overall BCom student in the University.

A pleasing aspect of the development of the East London Division is the improvement in examination results. In 1988 an average of 80 per cent of the courses attempted were passed.

One of the highlights of the year was the dedication and opening of the extensions to the Wool Exchange Building by the Chancellor of the University, Dr I Mackenzie. The new facility comprises a new library (made possible by a generous donation by the Pretoria Portland Cement Company), two large lecture rooms which are air-conditioned and sound controlled, a Board/seminar room and 17 staff offices.

On the extra-curricular side, the year has yielded mixed fortunes. The Rhodes East London tennis squad entered teams in the second and sixth league and both were reasonably successful, finding a midway position on the log. Our Waveski team performed exceptionally well in the inter-varsity against UPE and in the SA Universities championships. The University has also launched a cricket team in the Saturday first league competition in East London which has the foundation ground for future excellent Rhodes cricket teams. There is also an enthusiastic and active Mountain Climbing club which meets regularly and whose latest project was a climb in the Drakensberg over the December period.

There was considerable interest in the development and further

extension of the Institute for Guidance in Africa, sponsored by Johnson & Johnson and headed by Mr Ken Dovey. The Institute has created several projects spanning a broad range of forums including schools, workplaces and other community settings in which sports, arts, counselling, careers, leadership development and academic extension activities are organized.

In the pipeline for the East London Division is the introduction of the Bachelor of Arts degree in 1990. A limited curriculum will be introduced aimed specifically at teachers wishing to upgrade their qualifications. Economics and Psychology are currently already on offer and English and History will be added in 1990.

The presence of Rhodes University in East London has been particularly important to the city which has responded by supporting the Division materially. The good relationship and excellent communication between the East London Division and its parent campus in Grahamstown has been one of the cornerstones of its success. There is an interchange of lecturers and ideas between the two campuses and the benefits of this synergy are now becoming apparent and being recognized.





**T**HE research staff of the **Albany Museum** have continued to participate actively in congresses and field-work which took them as far afield as Poland, Mexico, Tristan da Cunha, Europe and the United States.

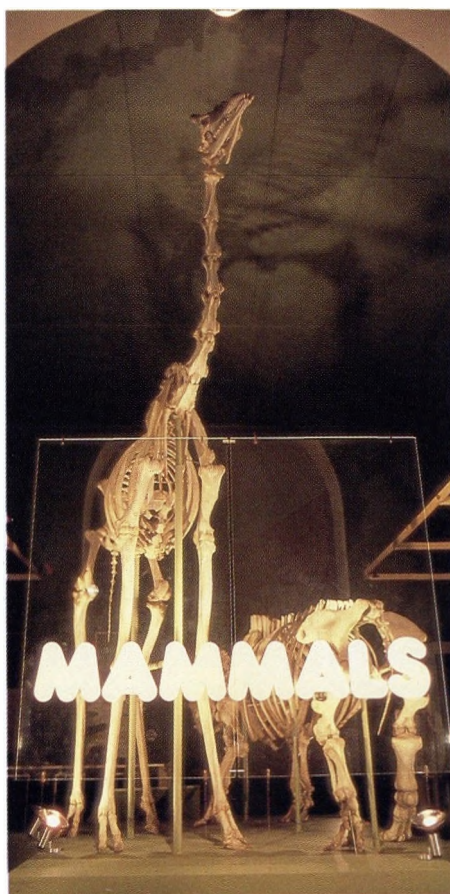
Closer to home, they taught at the University giving lectures, practicals and field courses in Zoology and Entomology, Geology and Geography. Teaching was also done on primary and secondary levels and 10 769 school pupils attended lessons in the Department of Education during the past year.

The new Bird Hall in the Natural History Museum has over 500 specimens on display and the comprehensive script opens up yet another source of information to the public. Work on the new art gallery in the 1820 Settlers Memorial Museum has commenced.

During the year the **Centre for Social Development (CSD)**, at the request of the South African National Council for the Aged, undertook to control and revitalize the virtually defunct **Vezi Danga Welfare Organization for the Aged**. A flourishing service centre with 122 members is now in operation. Further such centres are envisaged, providing meals, care, health and exercise services, handcrafts, remuneration and social activities, music, warmth, comfort and company.

Construction work on the new **Raglan Road Child Care Centre** in Fingo Village is well underway. This facility will be fully used as a pre-school centre for 60 children in the mornings, an after school care centre for 60 children in the afternoons and a parent-education centre in the evenings. Fundraising was very successful and it is planned to provide a new and innovative service for the underprivileged people of Grahamstown early in 1990.

The Child Care staff offered numerous training programmes for para-professional childcare workers during the year. They included intensive orientation and upgrading courses in pre-school education for 40 teacher-aides from Grahamstown, Bedford, Fort Beaufort and Kwambonambi and monthly in-service training for the 30 teacher-aides running farm schools in the Bathurst region. Weekly in-service upgrading courses for fieldworkers



**A dramatic view of the Albany Museum Mammal Hall.**

were held. These women are responsible for 18 home care groups in the townships with 120 children, and six pre-schools with 340 children.

In addition to this, all daily programmes have been revised and a more structured school readiness programme for older children has been introduced. To alleviate the lack of background and accessibility of resource materials in the schools, a songbook has been compiled and a series of comprehensive theme packs is being developed which will be distributed to schools on loan. The development of theme resources will be an ongoing project.

The **Computer-based Education Unit** 1989 saw continued growth in the use of PLATO by the University and external customers. The sale of PLATO services brings in substantial revenue to the University.

Mrs Jo Mostert was appointed as a programmer and several new courses were developed, including a series of lessons for the Department of Linguistics and English Language.

A large proportion of the student

activity on PLATO is on locally produced courseware, specifically tailored to the needs of Rhodes staff. Current research in the Unit is directed towards the use of low-cost local area networks for the delivery of computer-based education.

The Director of the Unit, Professor Graham Oberem, returned in July from a year's sabbatical in Texas, where he continued his research on the use of artificial intelligence in computer assisted learning. Professor Oberem served on the organizing committee of a major international conference on computer assisted learning and presented the results of his research at conferences and several universities in the United States.

The **Electron Microscopy Unit** experienced one of its busiest years in 1989. A major research programme on fish otoliths in association with the Department of Ichthyology and Fisheries Science and the Port Elizabeth Museum made extensive use of the scanning electron microscope. Wide-ranging research, particularly in the biological sciences, continued a trend of increasing use of electron microscopy which has been evident for a few years.

The Unit's Director, Mr Robin Cross, attended a course in electron microscope immunocytochemistry in London in January. Locally, in association with the Department of Zoology and Entomology, the Unit was well represented at the Electron Microscopy Society's annual conference at Onderstepoort in December.

Dr Ric Bernard continues as one of the editors of the Society's proceedings and Mr Cross was re-elected to the Committee. A Rhodes entry won the best poster presentation. The 1990 conference will be hosted by Rhodes.

In August Dr Allon Poole and Mr Ray Haggard of the **Hermann Ohlthaver Institute for Aeronomy** attended the 6th Scientific Assembly of the International Association of Geomagnetism and Aeronomy in Exeter, delivering papers on their work. The co-operative work of Dr Poole with Dr Peter Sutcliffe of the Magnetic Observatory received acclaim in the paper reviews and is now established as leading research internationally.

New international links were forged with the start of some





*The Bird Hall of the Albany Museum has become one of the institution's most popular galleries.*



*Bembix bubalus Handlirsch (Sphedidae) in flight carrying her prey, a syrphid fly. This wasp was the subject of a recent study by Fred and Sarah Gess of the Albany Museum.*

collaborative work with Dr Slava Pilipenko (USSR), and Dr Vladimir Nosov from a Decametric Research Laboratory in Irkutsk, Siberia. This latter work involves setting up a radio sounding path between Irkutsk and Grahamstown, a distance of some 12 000 kilometres!

The group is winding up its research effort in Antarctica this year, and is preparing for a new ionosphere sounding project on Gough Island in October 1990, to study the effects of particle precipitation in this region.

The **Hydrological Research Unit's** irrigation return flow project based in the Lower Sundays River Valley is in its third year and under the supervision of Mr John Herald. The data collection programme is progressing satisfactorily and providing valuable insight into the processes of return flow.

Professor Denis Hughes is co-ordinating a major project designed to establish the Nyara River catchments near Bedford as a facility for studying semi-arid hydrological processes and to incorporate results in broader scale development work on computer based systems for modelling catchment hydrology. One of the objectives is to design a system

which can be applied to solving a variety of water resource problems.

Members of the **Institute for Freshwater Studies** have had a very busy year, producing 15 papers in international journals, three book chapters and presenting five papers at conferences.

A major book, which we hope will become the standard limnological text for southern Africa, by Professor Brian Allanson in association with past and present members of the Institute, will be available early in 1990. Dr Dave Taylor, having completed his PhD, took up a postdoctoral fellowship at the University of Rhode Island, USA.

The extensive research programme on river ecology and conservation is continuing under the guidance of the Director, Dr Jay O'Keeffe.

A new three-and-a-half year project on the conservation of the rivers of the Kruger National Park will start in 1990, in co-operation with UCT and funded by the Water Research Commission.

The Director of the **Institute for Social and Economic Research** (ISER), Professor Peter Vale, was the first South African to be awarded the Bradlow Fellowship, the country's premier award in International Relations. He also

attended the conference on democracy and the future of South Africa held in Paris.

The Development Studies Unit continued to research strategies for the empowerment of disadvantaged communities both in the Eastern Cape and elsewhere. The Professor of Development Studies, Professor Bill Davies, travelled to Lusaka to participate in a conference on the role of whites in the future of South Africa.

Professor Koos van Wyk, the Director of the International Studies Unit, read a paper at the joint conference of the International Studies Association and the British International Studies Association held in London.

In October, he co-ordinated the biennial conference of the Political Science Association of South Africa held in Port Alfred. The presidential address at the conference was delivered by Professor Vale.

A workshop on new directions in the study of foreign policy was also organized by the International Studies Unit in August.

Six academics from locations as far apart as Mozambique and Princeton, New Jersey, spent up to three months each in the ISER.

All efforts at the **International**





**These beautiful birds inhabit the Bird Hall at the Albany Museum.**

Library of African Music (ILAM) this year were directed towards raising the necessary funds for completing the new building. A number of substantial donations together with a loan of R5 000 from the Desmond Niven Trust will cover the essential building costs.

The building was structurally complete by the end of the year and will be occupied early in 1990 once the approach and parking roads are complete.

The ILAM attracted a steady stream of local and international visitors, and Dr Amandio Dide, a Mozambican, visited for six months as an ISER Fellow.

Mr Andrew Tracey attended the first OKTV Music Awards as a judge, the 8th Symposium on Ethnomusicology at the University of Durban-Westville as participant in September, and Giyani College as examiner. The highlight of the year was Mr Tracey's invitation to take a party of traditional Xhosa, Venda and Tsonga musicians to perform at the Paris Autumn Festival.

The **Institute for the study of English in Africa (ISEA)** turned 25 this year. To mark the occasion two publications were commissioned:

one celebrates 25 years of *New Coin Poetry* edited by Mr David Bunyan; the other, a collection of essays on the teaching of English literature in southern Africa, edited by the new Director, Dr Laurence Wright.

Restructuring within the ISEA sees former Director, Professor Paul Walters return to the H A Molteno Chair with the responsibility of National Director of the Molteno Project. Dr Wright becomes Director from 1990, and will have a colleague in the Alan Macintosh Research Fellow.

The Molteno Project's **Bridge to English** materials were rated best junior primary English course for

Holland. Dr Len Compagno, who has left the Institute for the South African Museum in Cape Town, published a *Field Guide to South African Sharks and Rays* with Dr Malcolm Smale and Mr Dave Ebert. A report on the management of invasive aquatic animals was produced through the Foundation for Research Development by Mrs Irene de Moor and Professor Bruton. In addition, a multi-authored French/English book, *The Biology and Ecology of African Freshwater Fishes*, was published in France with Professor Bruton and scientists from France and Uganda as co-editors. A report entitled *Recommendations for*



**Two of the stamps issued by the JLB Smith Institute of Ichthyology to commemorate the fiftieth anniversary of the identification of the coelacanth.**

black schools in an independent evaluation conducted by the HSRC over two-and-a-half years. 1989 saw the launch of its **Bridge Plus Two** (Standard Two) materials at a special teacher training course held at Rand Mines Training Centre. Its *Train the Trainers* programme had a successful first year and will be strengthened by R75 000 from the Canadian Embassy for 1990. This brought the total donations to the Molteno Project for April to December 1989 to over one million rands.

In 1989 the **JLB Smith Institute of Ichthyology** continued to play an active role nationally and internationally as a centre for research and teaching in the fields of ichthyology, evolutionary biology and ecology. Attention was given to the curation of the fish collection, with over 40 000 new specimens added during the year.

Major publications during the year included, *Alternative Life-History Styles of Animals* edited by Professor Mike Bruton and published by Kluwer Academic Publishers in

*Marine Conservations in the Federal Islamic Republic of the Comoros* was produced on contract to the Department of Foreign Affairs.

An exhibition on the fiftieth anniversary of the identification of the coelacanth was mounted in the Institute to coincide with the issue of four commemorative postage stamps. A television programme made with the collaboration of Institute staff received the Artes award for the best South African documentary of the year.

A major new study on the fishes of the Okavango Delta in Botswana was launched. The study, sponsored by the World Wildlife Fund, is being conducted in close collaboration with the Botswana authorities. Research expeditions were also mounted in South Africa, Namibia, Zimbabwe, Malawi and Lesotho, and scientists attended conferences in the United States, Canada and New Zealand.

Following the withdrawal of financial support by the Council for Scientific Research from all





*The ISEA published a poetry anthology to celebrate 25 years of New Coin poetry this year. "Of White Wolves and Fish & Chips", an original etching by Dominic Thorburn of the Fine Art Department, was used for the cover.*

Industrial Research Institutes, it has become necessary for the **Leather Industries Research Institute (LIRI)** to reorganize its internal structure, its relationship with industry and the services which industry requires.

LIRI is experiencing an increased demand for the design of new waste water treatment systems, the upgrading of existing systems and the training of management and operating staff. Training courses to meet the latter demand are being prepared.

LIRI is the main technical training organization for the leather and footwear industries in South Africa and neighbouring countries. This involves training from the level of machinists through supervisors, pattern cutters, work study and quality control officers to the level of management, with an emphasis on productivity.

The LIRI Tannery continues to be involved in process development but is now producing for sale specialist leathers, such as book-binding leather. In the field of biotechnology, LIRI has continued its work on bacteria, fungi and enzymes, including joint projects with University staff. During 1989 several exciting projects were initiated at the **National English Literary Museum (NELM)**. All

attention for the first half of the year focused on this year's National Arts Festival during which NELM mounted a popular exhibition of sketches of South African writers by the renowned artist, Nils Burwitz.

The Museum Education Officers of Grahamstown collaborated with the Rhodes University Department of Education in developing a course in Museum Education for fourth year students. The Education Officer at NELM undertook to co-ordinate this course, which proved to be very successful.

A Department of South African Printing and Publishing History was started at NELM during 1989 and reference files on South African printers and publishers since 1795 were developed together with a comprehensive list of all publications produced by Grahamstown companies between 1831 and 1925.

An ambitious publishing programme resulted in three books being produced during the year.





## Students' Representative Council

**T**HE 1988/89 NUSAS SRC experienced a very positive and exciting term of office. We managed to reorganize numerous successful campaigns and projects. Some of the most significant were: The Orientation Week Programme, the Contraception Campaign, the Education Crisis Campaign and the Defiance Campaign, and various residence projects.

The level of interest and participation in the affairs of student government also improved through the year. Residence visits, meetings with the House Committees, the Campus Leadership Forum and Leadership Weekend all served as ways of increasing contact and communication between the SRC and the various sectors of the campus. Furthermore the Hall Representation system proved invaluable in ensuring that the SRC was able to address the concerns of students in residences.

Together with the Black Students' Co-Ordinating Committee (BSCC), the NUSAS SRC has also seriously addressed racial tensions and divisions that exist on campus in order to foster and build non-racialism. Many campaigns have been organised and planned jointly aimed at unifying campus through non-racial action.

We look forward to taking all the gains of the 1980s into the SRC of the 1990s.

## Sanatorium

**T**HE Sanatorium run by Sister Gill Scott and her staff, had a higher turnover of patients than usual with a particularly high increase in the number of service staff making use of the facility. The clinic treated more than 7500 cases during the course of the year. This is 2000 more than in 1986.

The sisters have also undertaken various types of counselling, in particular, eating disorders.

Although security has only been breached once, the sanatorium is isolated and there is a need for increased security, providing this Sports Union does not hinder access.



*The Rhodes University First XV in action*

## Sports Union

**T**HE Sports Council has continued to apply itself to a more equitable policy and a new set of regulations for the promotion and control of both SAU and SATISCO sport.

The emergence of the National Sports Congress in no small way stimulated by the needs of SATISCO sportsmen and sportswomen on campuses throughout the country has led to some exciting possibilities in the drive for unity in "non-racial" sport.

Sindisile McLean, the SATISCO National president, Martin Mbebe of Rhodes SATISCO and the Rhodes Sports Council have been vitally involved in the new movement, which should prove to have very positive repercussions for sport at large.

1989 saw a number of disrupting staff changes in Sports Administration with the departure of Steve Olivier in late 1988 and Pete Andrew's move to the Eastern Province Cricket Union in August of this year.

Pete's contribution to sport at Rhodes was much valued and will be sorely missed.

However, on the positive side Paul Davies, from the United Kingdom, appointed to fill Steve's position, assumed duty in July and brought with him vast experience in sports administration as evidenced by the major impact he has already made on the activities of a number of clubs.

Dr Doug Coghlan, a previous Chairman of the Sports Council,

moves from the Department of Human Movement Studies in early 1990.

His long association with Rhodes sport and his involvement at a National and Provincial level should prove to be of great benefit to the Sports Council.

In addition, Stan Morgan, a widely respected coach and administrator, recently retired from the Department of Human Movement Studies, will add an exciting dimension to the activities of the Sports Council. Stan will operate in a part-time capacity.

During the course of the year the Sports Council moved into the newly acquired Human Movement Studies Department gymnasium which provided the stimulus for an expansion of the activities of the Aerobics, Basketball, Fencing and Gymnastic club. The Squash Club also gained from this move as the Sports Council was able to establish a much needed clubhouse close to the Alec Mullins Courts.

The tennis clubhouse was extended to accommodate changeroom and shower facilities and the Sports Council, in collaboration with the Rhodes Club, created space within the Students' Union for the establishment of a general sports clubhouse on the Great Field Complex.

The use of Adamson House as a "Hotel residence" permitted greater flexibility in hosting visiting teams and benefited particularly the SATISCO Codes.

# Composition of the student body

## Student Numbers 1989

	Arts	Commerce	Divinity	Education	Law	Pharmacy	Science	Social Science	Occasional	Total
<b>Undergraduates</b>										
1988	1080	713	28	87	10	215	400	187	107	2827
1989	1071	780	30	73	12	202	397	251	70	2886
<b>Graduates</b>										
1988	288	454	22	239	68	12	196	30	—	909
1989	279	46	30	197	76	11	212	40	—	891
<b>Total</b>										
1988	1368	767	50	326	78	227	596	217	107	3736
1989	1350	826	60	270	88	213	609	291	70	3777

## Graduation April 1990

As this report is printed before graduation, there may be changes to the 1990 awards. Final figures will appear in next year's report.

	Arts	Commerce	Divinity	Education	Law	Pharmacy	Science	Social Science	Total
<b>Undergraduate diplomas &amp; certificates</b>									
1989	6	3	—	15	—	—	—	—	24
1990	2	1	—	8	—	—	—	—	11
<b>Bachelor's degrees</b>									
1989	259	100	3	9	2	47	78	41	539
1990	248	117	2	18	1	47	94	42	569
<b>Postgraduate diplomas &amp; certificates</b>									
1989	25	27	—	56	—	—	—	1	109
1990	22	26	—	66	—	—	—	1	115
<b>Second degrees</b>									
1989	90	18	3	37	22	—	59	8	237
1990	89	8	8	29	26	—	60	18	238
<b>Master's degrees</b>									
1989	31	2	1	11	—	1	22	2	70
1990	13	—	2	11	—	2	18	4	50
<b>Doctorates</b>									
1989	12	1	—	1	—	1	6	—	21
1990	3	—	4	1	1	1	8	—	18
<b>Total diplomas &amp; certificates</b>									
1989	31	30	—	71	—	—	—	1	133
1990	24	27	—	74	—	—	—	1	126
<b>Total degrees</b>									
1989	392	121	7	58	24	49	165	51	867
1990	353	125	16	59	28	50	180	64	875
<b>Total awards</b>									
1989	423	151	7	129	24	49	165	52	1000
1990	377	152	16	133	28	50	180	65	1001





## 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."