



# Rhodes University

— investing in the individual

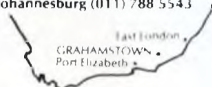
By now you know the quality of life you want. Achieving it means investing in yourself through a solid career qualification. Rhodes University in Grahamstown offers qualifications for many exciting and rewarding careers. A pre-university orientation programme introduces you to study methods in a university environment and our graduate placement programme will enable you to make the best career choice in your field.

## You are an individual

Rhodes is a university with a real interest in every student. Classes are kept small, giving close informal contact between lecturers and students. The residential system means freedom from domestic worries, the privacy of single rooms right on campus and good friends nearby when you need them. A wide range of well equipped sports facilities and 32 active sports clubs enable almost all Rhodians to play sport regularly. And we're only 45 minutes from the sea. There are over 40 active societies, bringing

together friends with interests ranging from TM to exploration geology. And always, there's time, space and opportunity to be an individual. For detailed information on the career subjects that interest you, and more about life at Rhodes, write to:

The Registrar, Rhodes University,  
6140 Grahamstown  
Telephone (0461) 2021 or  
telexphone the Liaison Officer in  
Johannesburg (011) 788 5543



*Rhodes University's recruitment campaign stresses the emphasis given to individual recognition at the University*



*Rhodes University*  
*Annual Report 1984*



*The Vice-Chancellor's Report*

*Page 1*

*The Rhodes University Foundation Report*

*Page 24*

*Cover: 'Homage to St. Peter's' by Professor R B Brooks.*



# ***Rhodes 1984***

Founded in:	1904
Academic posts:	271
Students:	3 412
Student/staff ratio:	12,6:1
Replacement value of buildings:	R120 million
Grounds:	203 hectares

## **OFFICERS OF THE UNIVERSITY**

Chancellor: Dr I Mackenzie

Principal and Vice-Chancellor: Dr D S Henderson

Vice-Principal and Pro-Vice-Chancellor: Professor J W Brommert

Chairman of Council: Mr J S Levy

President of Convocation: The Hon Mr Justice J D Cloete

Registrar: Mr J O M Wilkinson

## **DEANS OF THE FACULTIES**

Arts: Professor I A Bunting

Science: Professor V C Moran

Law: Professor A J Kerr

Education: Professor R Tunmer

Commerce: Professor P van der Watt

Social Science: Professor E Higgins

Divinity: Professor J N Suggit

Pharmacy: Professor H Parolis

## **RESEARCH ORGANIZATIONS**

Albany Museum

Leather Industries Research Institute

JLB Smith Institute of Ichthyology

National English Literary Museum

Institute of Social and Economic Research

International Library of African Music

Institute for the Study of English in Africa

Dictionary of South African English

Rhodes Institute for Freshwater Studies

Tick Research Unit

Hermann Ohlthaver Institute for Aeronomy

Plant Nutrition Research Unit

Hydrological Research Unit

## ***Report of the Vice-Chancellor of Rhodes University Dr D S Henderson***



*Dr D S Henderson*

The year 1984, which has been difficult for the business community and innovative for politicians, has generally been kind to Rhodes University and can be described as a productive and constructive period. Certain trends and patterns, which I intend to highlight, have emerged in the life of the University as a result of changing circumstances in the world around us.

The biggest difficulty we faced was uncertainty about our income. The application of the new subsidy formula for 1984 can best be described as the old formula with a two and a half percent reduction. The new system, which rewards academic performance by both students and staff rather than increased enrolment alone, has meant that admission to the University has become more firmly linked to academic progress. The long-requested autonomy in the allocation of subsidy funds, which came as a result of the new formula, was a most welcome development, as were staff salary increases.

A sustained building programme which took place throughout the University was virtually completed by the year's end. The Geography and Geology departments moved into their new premises in the buildings of Quad II and all that remains to be completed of this extensive development is the student cafeteria and the surrounding landscaping.

Rhodes is a residential University par excellence: the environment in which students

live thus assumes an importance beyond that of comparable universities. Gold Fields House, built partially with a gift from the Gold Fields Foundation and the University's last large construction project for some time, was completed to be ready for its first intake of men students in 1985. The students will move from Thomas Pringle house which will become a women's residence, the first in Kimberley Hall.

The self-help housing scheme for junior staff, backed by a building society and initiated in 1983, came to fruition this year with participants in the scheme occupying their homes. The scheme, the first of its kind in the country, offers a range of different housing on 99-year lease properties. Financial arrangements similar to those made for white staff are an integral part of the project.

The University continued its fine record of achievements in teaching and research, which included the establishment of the Hermann Ohlthaver Institute for Aeronomy, funded by the Trust of the same name. Directed by the former head of the Department of Physics and Electronics at Rhodes, Professor J A Gledhill, the Institute will conduct research into the physics and chemistry of the ionosphere.

The evaluation programme of the newly-acquired computer-assisted instruction system, (PLATO), had a highly successful year, receiving positive responses from staff and

students. Approximately 6 000 lessons are available on the system ranging from languages, music, business administration and the social sciences to the physical and biological sciences.

A new series of lectures sponsored by the University Senate was established to provide a public forum where academics can relate their specialised knowledge to the wider issues of society. The title of the first Senate Lecture, 'The Role of the University in a Developing Society,' clearly illustrates the objective of the new series. The lecture was given by Professor I A Bunting, Dean of Arts and Head of the Admissions, Statistics and Planning Unit and Dr S T Sommerville of the Philosophy Department.

The number of students receiving bursaries and scholarships at the University rose from 962 in 1983 to 1 439 in 1984, an increase in value from just under one million rands to R1 645 500.

Our East London Division continued its pattern of steady growth, enrolling 170 students. The Division has seven full-time and 15 part-time academic staff and four admini-

strative members. The PLATO system introduced at Rhodes early in the year was extended for the benefit of students of the East London branch, including the use of the system by students with microcomputers in their own homes.

The former Division of Public Relations and Development was divided into two new sections: the Public Relations Division headed by Mr R H J Buckland and the Development Office led by Mr J N Papenfus, head of the previously combined division. Two new positions were created in the Public Relations Division: Press Officer and Schools Liaison Officer for the Eastern Cape area.

Rhodes is not yet so large that it is foolish to regard it as a big family and as in any family there were times of joy and times of sadness. A cause for rejoicing was the 80th anniversary of the founding of Rhodes which was celebrated with a reception in the Great Hall. The function, held on Founders Day, was preceded by a commemorative wreath-laying ceremony at the University War Memorial.



*The Vice-Chancellor, Dr D S Henderson, with the winners of a competition for the best-built home in the University's housing scheme. From left to right, Mr S Memani, his son Mpumelelo and his wife, Mrs I Memani*





*The old and the new: buildings of Quad II beside an older part of the University*

The University family suffered several major losses. We noted with regret the death of Dr J M Hyslop, Vice-Chancellor from 1963 to 1975, a man whose personality and ability enriched life at the University for both staff and students during his 12-year period of office. We were saddened by the death of Professor Winifred Maxwell, Professor of History for two decades, (1954-1974), and Dr J A Agar-Hamilton, a former member of staff in the History Department and Director of the Institute for Social and Economic Research as well as an Old Rhodian.

The University lost the services of Professor R C Beuthin, Dean of the Faculty of Law who retired at the end of July. He will be working part-time in the Department of Law at the University of the Witwatersrand. Mr R C Best, Dean of Students, whose guidance was valued by innumerable students, has retired to East London.

Three prominent South Africans received honorary degrees in April. Doctor of Laws degrees were conferred on Mr A J Chubb, who was instrumental in the establishment of

the East London Division of the University, on Dr J C F Human, Chairman of Federale Volksbeleggings and on a Rhodes graduate, Mr D S Kingwill, formerly of the Council for Scientific and Industrial Research.

*Dr J M Hyslop and Professor Winifred Maxwell*





## *Old Rhodian Union*

Under the enthusiastic guidance of Professor J A Gledhill as President and Dr G M Gruber as Honorary Secretary the Old Rhodian Union flourished. Well-attended reunions hosted by University representatives were held in Bloemfontein, Cape Town, Durban, Kimberley, Johannesburg, Pretoria, Bulawayo, Harare and Mutare. A reunion was also held for the first time in Perth, Australia.

The generous response to the bursary fund appeal has led to increases in the bursaries awarded by the Union. It is hoped that they will be increased again in 1985. Address lists of Old Rhodians which were circulated with

the December 1984 edition of the Newsletter have already elicited numerous letters of thanks from grateful recipients.

Mr James Hashold Steere of Pietermaritzburg, the Union's oldest Rhodian was presented with a commemorative silver medal struck by the University in honour of his 100th birthday in July. He entered the University as a land-surveying student when it opened in 1904 and was the last surviving foundation student. Union members were saddened to hear of Mr Steere's death in January 1985.

*Mr J H Steere with the medal struck by the University in honour of his 100th birthday in July*





# STUDENT AFFAIRS

## *Students' Representative Council*



*Campus leaders gather at the SRC Leadership Weekend held in the Hogsback in April*

The 1983/1984 SRC was successful in breaking down student scepticism regarding student government. It proved its effectiveness in many important areas such as representing students on University committees and holding regular reportback sessions with students in residences. It also co-sponsored a very successful foreign film festival enabling students to see films which otherwise would not reach Grahamstown. A new innovation was the SRC Leadership Weekend, now to become an annual event, which enabled a cross-section of campus leaders to come together to discuss student issues and be trained in crucial skills.

The 1984/1985 SRC under the presidency of Ms J Bowen intends consolidating the work done by the previous SRC and would like to extend SRC involvement in other

spheres. During the last quarter of 1984 work was begun on reviving the Rhodes SRC Diary. This SRC sees it as important to facilitate debates and critical thinking on campus. As part of this role the SRC organized a very successful student meeting to discuss the crisis in Grahamstown schools and townships. The fourth term also saw the SRC expanding the resources available to societies to allow them more scope and versatility in their activities. The darkroom equipment has been improved and more sophisticated photocopying equipment has been installed. By early 1985 we hope to have acquired a photo-silkscreen unit.

The start made in 1984 by the 1983/1984 and 1984/1985 SRC should go a long way towards ensuring that student government moves forward in 1985.

## *Sports Union*

In August 1984 Mr B M H Smith, who has made such a tremendous contribution to sport at Rhodes University over the last eight years, moved to the Personnel Division, where he has been appointed Deputy Director. Mr J A Donald replaced him as Sports Officer and Mr P Andrew, an Old Rhodian, has taken the post of Assistant Sports Officer.

The findings of the Ad Hoc Committee on Sports Policy, chaired by Professor J W Brommert, Vice-Principal, and consisting of representatives of Council, Sports Union and the student body, have shown that Rhodes has unique problems affecting sport and recreation. Income is reduced by the small number of students and the geographical position dampens enthusiasm for competitive sport. Local competition is limited and 'away' fixtures involve tedious travelling. Few courses at Rhodes require students to stay more than three or four years, which is not sufficient to develop potential fully. Rhodes does not have the advantage of Sport bursaries with which to attract good performers. Those who do come often find the difficulties mentioned, as well as the lack of coaching, sufficient to destroy their interest in competitive sport.

If the University is able to implement the recommendations of the Ad Hoc Commit-

tee, sportsmen and women at Rhodes will be able to concentrate on reaching their true potential as athletes and with a better sports profile, Rhodes will hopefully attract top athletes.

The University was again represented at the majority of the South African Universities (SAU) tournaments held during the year. While teams experienced varying degrees of success, it should be noted that the soccer team made history by winning their competition for the first time since its inception. The women's hockey team had a most successful tournament, finishing third to the powerful University of Port Elizabeth and Stellenbosch sides. The men's and women's squash teams excelled against stiff competition, both finishing fourth in their respective competitions. The women's volleyball team had a most successful season and came close to upsetting the Wits team in an exciting final at the SAU tournament.

Although, as the Ad Hoc Committee findings have shown, Rhodes sport does have many problem areas, participation remains high. The intramural programme again proved popular and the students continue to make full use of the facilities available to them.

*The women's SAU hockey team*







## *Rag Report*

The economic recession has clearly had its effects on South Africa, and Rhodes Rag 1984, was certainly no exception. Companies and members of the public were generally less forthcoming with donations, so Rag did not expect its net income to exceed that of the previous year. Furthermore, expenses did not remain constant and some price increases were experienced. To combat the rise in outlay the Committee adopted a policy of strict budgetary control and implemented marketing principles. Consequently, in spite of the increases in expenditure, Rag 1984 can be justifiably proud of certain fund-raising ventures.

The Rag Debutantes set an all-time record for the amount of money raised and the Float Procession made a profit for the first time in many years. More than 1 700 T-shirts were sold and ours was voted second best T-shirt

in the country, behind the University of the Orange Free State.

Unfortunately, not all projects were successful. The biggest venture, a double wicket competition in which prominent South African cricketers were invited to play, did not draw the expected crowd. The undertaking did, however, provide valuable experience to those involved.

The Committee was strongly committed to educating students on the plight of the underprivileged in South Africa. Groups went out into the community to see for themselves – the most notable project being the grass-planting at St Mary's Day Care Centre.

The Rag Committee is as enthusiastic and dedicated as ever, and looks forward to a successful Rag '85 working on the foundations laid in 1984.

# Student Numbers 1984

		Arts	Commerce	Divinity	Education	Law	Pharmacy	Science	Social Science
Under-graduates	1983	868	629	44	80	7	393	421	100
	1984	939	618	54	93	7	339	438	122
Post-graduates	1983	262	52	15	132	46	16	138	25
	1984	229	57	28	178	74	11	149	18
Total	1983	1 130	681	59	212	53	409	559	125
	1984	1 168	675	82	271	81	350	587	140

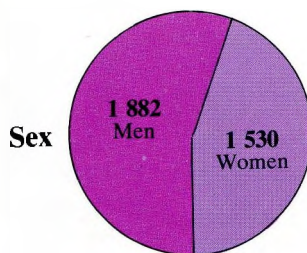
## Graduation April 1985

As this report is printed before graduation there may be changes to the April 1985 awards. Final figures will appear in next year's report.

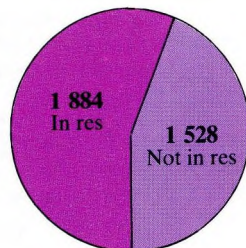
Under-graduate Diplomas & Certificates	1984	8	13	—	24	—	—	—	—
	1985	7	16	2	34	—	—	—	—
Bachelor's Degrees	1984	197	100	5	17	1	91	74	26
	1985	198	99	4	—	—	69	96	31
Post-graduate Diplomas & Certificates	1984	8	17	—	39	—	—	1	2
	1985	9	18	—	52	—	—	—	—
Honours & Post graduate Bachelor's Degrees	1984	75	16	3	—	13	—	28	15
	1985	47	12	5	—	18	—	41	9
Master's Degrees	1984	20	—	—	8	—	1	15	1
	1985	14	—	—	2	—	1	15	—
Doctorates	1984	6	4	—	—	—	1	7	—
	1985	6	—	1	—	—	—	2	—
Total Diplomas & Certificates	1984	16	30	—	63	—	—	1	2
	1985	16	34	2	86	—	—	—	—
Total Degrees	1984	298	120	8	25	14	93	124	42
	1985	265	111	10	2	18	70	154	40
Total Awards	1984	314	150	8	88	14	93	125	44
	1985	281	145	12	88	18	70	154	40

Occasional students	Total	%
55	2 607	79,2
58	2 668	78,2
—	686	20,8
—	744	21,8
65	3 293	100
58	3 412	100
Total		
	45	
	59	
	511	
	497	
	67	
	79	
	150	
	132	
	45	
	31	
	18	
	9	
	112	
	138	
	724	
	670	
	836	
	808	

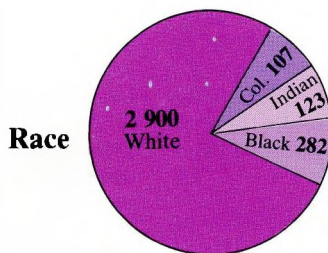
## Composition of student body 1984



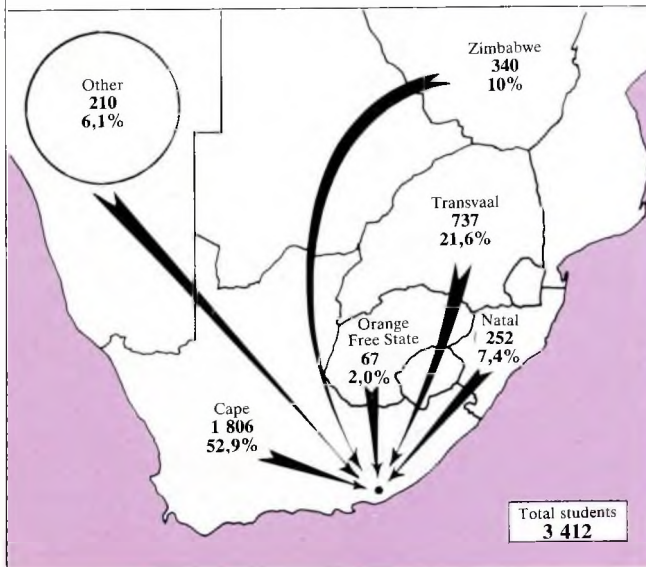
### In residence



Total: 3 412



## Geographic Origin





## Departmental Reports

The enrolment of mother-tongue speakers in courses offered in the **Department of African Languages** increased notably. The Head of the Department, Professor D Fivaz, spent his sabbatical leave in Windhoek, Namibia, doing intensive research on Ndonga, a major dialect of the biggest language group in the country. The result of this research is a reference grammar for use at the secondary and tertiary educational level.

In terms of its Visiting Managing Director's Programme, prominent businessmen visited the **Department of Business Administration** to conduct discussions on current business topics with members of staff and Honours students. The department is maintaining its continuing education courses in East London and Port Elizabeth under its Management Development Programme. Courses offered this year included general management, financial planning and secretarial practice.

With the appointment of Dr J R Duncan in the **Department of Chemistry and Biochemistry** as associate professor of Biochemistry, an Honours course in this field was offered for the first time. Biochemistry is being subvented by the South African Breweries with a R50 000 donation and other financial help aimed at encouraging research projects in brewing science. One of the highlights of the year was the tour of research laboratories and industries on the Reef. The visits aimed at allowing students to interact with professional chemists in research and industry and to see chemistry and biochemistry in action.

Enrolment in the **Department of Computer Science** continued to rise, with a final year class of over 50 students, and 10 Honours students. Research in the department gained considerable momentum, with the completion of the first three MSc degrees for a number of years, (all with distinction). Several workshops on Expert Systems and Logic Programming were held at Rhodes and at Pietermaritzburg. Members of staff continued travelling widely, giving important papers at local conferences on computer-based education. They also played a key role in the PLATO evaluation at Rhodes itself.

The **Department of Education** hosted the annual 'Kenton' conference of University Education Departments in November. Fifty-five delegates attended from 12 universities. The theme of the conference was 'Research in Action', which proved to be stimulating and successful in provoking discussion. Professor A J Penny and Mrs G Boltz have returned from study leave in the United Kingdom and Mr K Dovey returned to Melbourne in December.

The **Department of English** has settled comfortably into its recently-completed building and is thoroughly enjoying the peace and space. With its new audio-visual room it offers two regular weekly programmes of play recordings, and readings of poetry and fiction, as well as occasional films. Dr N W Visser has returned after a year's teaching at the University of Washington. Professor M van Wyk Smith will be away at Girton College, Cambridge, until June 1985 on sabbatical leave, researching material for his new book, 'Images of Africa'.

Both staff and students of the **Fine Art Department** have had a full year of exhibitions. One-man exhibitions have been mounted by Professor R B Brooks and Mr P C J Oberholzer, a new lecturer in Photography. Instead of giving an Inaugural Lecture, Professor Brooks mounted an Inaugural Exhibition, on which the SABC has commissioned a film. The exhibition was the first of its kind in South Africa. Members of staff and students have exhibited work on group exhibitions in Johannesburg, Cape Town, Port Elizabeth and Grahamstown. The sculpture department built and installed a Raku kiln and major works in this medium were exhibited in the annual exhibition of the department. A bronze foundry will be installed in 1985 and the photographic section will be moving to St Peter's, in closer proximity to the sculpture and graphics departments.

During July the **Department of Geography** moved to Quad II. For the first time in over 10 years the whole department is once again housed under one roof. It was divided in 1973 when the Hydrological Research Unit was established. The new, well-equipped laboratories for hydrology, water quality and soils

research will greatly enhance teaching and research in physical geography. At the beginning of 1984 the University, through the department, entered into a third five-year contract with the Water Research Commission to undertake hydrological research in the catchments of the Eastern and Southern Cape. In November the department was host to the Working Group for Mineralization of Inland Waters of the Council for Scientific and Industrial Research, (CSIR).

Enrolment of students in the postgraduate **Department of Ichthyology and Fisheries Science** is increasing every year, which is very heartening since it was only established in 1981. This year the department has obtained its own marine laboratory on the banks of the Kowie estuary to continue with research on marine and estuarine fish species. Good progress is being made with the development of the experimental fish culture system and important work on fish nutrition is already being undertaken. In July, Dr T Hecht spent two weeks studying fish culture techniques in the Republic of China and Hong Kong. From July to November Professor I Paperna of the Hebrew University of Jerusalem undertook research on fish diseases in the department as a Hugh Kelly Fellow of the University. Seven

students graduated from the department in 1984. They included three Honours, one postgraduate diploma in Fisheries Science, one MSc and two PhD students.

In its new quarters in Quad II the **Department of Librarianship** is equipped with a microcomputer which is being used to train students in the most modern methods of information storage and retrieval. Mrs K de Jager gave a paper on the future of library cataloguing at a workshop in Bloemfontein, and Mrs M A D Webb attended an on-line information retrieval course in Pretoria. The students and staff of the department attended the annual conference of the South African Institute for Librarianship and Information Science held in East London in September.

At the beginning of the year the **Department of Mathematics (Pure and Applied)** moved into the Drostdy Lodge, which had been vacated by the English Department. In July the department hosted a week long Winter School on Topos Theory which was attended by twenty specialists in this new topic. In October the three-day annual congress of the South African Mathematical Society was held here. About 120 mathematicians from all over the country and from overseas at-



*Ichthyology students learning to pin out fish for study and illustration*

tended this important event at which 72 papers were presented. In July Professor W J Kotzé attended the first international congress on Fuzzy Information Processing on the Hawaiian Island of Kauai.

**The Department of Music and Musicology** hosted a record number of prominent visitors. The internationally famous concert pianist Tessa Uys presented a very well attended piano workshop. Another, equally popular workshop for pianists was directed by John Clegg, who concentrated on 19th century music, particularly the works of Chopin. The department had the special privilege of welcoming Dr I Dakers, the Director of the Royal School of Churchmusic in London, who attended a choir rehearsal and gave a public lecture on 'Churchmusic of the 1980s'. Two very special musical evenings were a farewell concert to Dr A Honey, who retired at the end of the year, and an evening of 'Dada Art' in collaboration with the departments of Fine Art and of Speech and Drama. Thanks to the generosity of Yamaha Musiland a special prize is now available annually for the best pianist of the department. The finalists in this competition gave a public recital.

**The School of Pharmaceutical Sciences** prepared 80 people to receive the BPharm degree. We welcomed to the staff Dr A R Fassihi (senior lecturer in Pharmaceutics); Mr W J Futter (lecturer in Pharmacy Management and Economics) and Dr R Dowse (teaching assistant in Pharmaceutics). The Dean of the Faculty, Professor H Parolis, attended an International Carbohydrate Symposium at Utrecht, where his research group presented three papers. Professor I Kanfer presented a paper at a meeting of the Academy of Pharmaceutical Sciences in Montreal. Dr N T Naidoo attended the Fourth Pharmaceutical Technology Conference in Edinburgh. Dr B J Wilson worked in the Institute of Plant Physiology at the Louis Pasteur University, Strasbourg, during her sabbatical leave. Emeritus Professor E Ramstad visited the Faculty of Pharmacy at Strasbourg.

**The Department of Philosophy** was visited by two distinguished philosophers who delivered papers to staff and senior students. Pro-

fessor B Mitchell, Professor of Philosophy of the Christian Religion at Oxford, talked on rationality and belief in God. Professor D Lewis, Professor of Philosophy at Princeton, discussed the nature of causal explanation. Dr E J Echeverria delivered a paper in the philosophy section of the annual meeting of the American Academy of Religion held in Chicago. Dr S T Sommerville is spending his sabbatical leave in London, where he is completing a book on context logic. Professor I A Macdonald was appointed as Head of Department. His predecessor, Professor I A Bunting, continues some teaching in the department, but is primarily involved in University administrative work.

Dr P H Ashton, a former student in the **Department of Plant Sciences**, was awarded the Junior Gold Medal of the South African Association of Botanists for the best botanical PhD thesis at the annual conference of the society in Cape Town. Professor S C Seagrief's Botanical Memoir No 47, entitled 'A catalogue of South African green, brown and red marine algae' appeared in print during the year. Both Dr I D M Raiton and Mrs G D Court spent some time overseas; Dr Raiton at the Department of Biochemistry, University of California, Los Angeles, while Mrs Court attended the International Conference on 'Contemporary issues in Systematics' in London. Dr R D Walmsley was one of the organizers of the Wilderness International Limnological Association Symposium on 'Perspectives in Southern Hemisphere Limnology'. The Department of Plant Sciences was awarded the trophy for the best departmental display during the University's annual Arts and Sciences week.

Professor T V R Beard of the **Department of Political Studies** is on long leave at St Catherine's College, Oxford, and completing some articles on political theory which he hopes shortly to collate in a book. Dr M Frost was awarded a DPhil by the University of Stellenbosch in March of this year for his thesis entitled 'Towards a Normative Theory of International Relations'. The thesis is to be published in 1985 by the Cambridge University Press. Professor Nancy Charton revised a paper on re-settlement which is to be included in 'Up Against the Fences', a book



being published by David Philip in February 1985. The department has been instrumental in organising two meetings with regard to provision for the training of community workers. It is hoped that concrete results will flow from these discussions. Members of the department are also involved in planning the annual conference of the Teachers of African Government and Administration, which will take place at Rhodes in September 1985.

Dr D J A Edwards, Senior Lecturer in the **Department of Psychology** currently spending sabbatical leave in the USA, was appointed a full professor as from January 1985. Dr C R Stones, recently promoted to the position of senior lecturer, also spent time in the USA where he read a paper at an international conference on Authoritarianism and Dogmatism. Professor T M D Kruger edited a 'Festschrift' entitled 'The Changing Reality of Modern Man: Essays in Honour of Jan Hendrik van den Berg'. A copy of the document was presented to Professor van den Berg at a festive occasion in Pretoria. A Master's course by examination and thesis in Phenomenological-Critical Psychology was offered by the department for the first time this year, with the collaboration of the Philosophy Department. Three students registered. The Rhodes University Clinic, which affords counselling and psychotherapy to both students and members of the

public, has had a busy year under the leadership of Mr P Parker.

Numbers have doubled in some undergraduate years in the **Social Work Department** and for the first time in almost a decade, some outstanding final results were achieved. Distinctions were awarded in the first and third years. Professor W Mitchell delivered a paper written jointly with Mrs T M Henderson, on the activities of the Centre for Social Development at the Third International Symposium of the Inter-University Consortium for International Social Development in Montreal. Mrs R N B Robertson, junior lecturer in the department, convened a conference on 'Grahamstown's Social Problems and Available Resources' held at the 1820 Settlers' Monument in October under the auspices of the Grahamstown Society for Social Workers, which was attended by over 100 delegates. The Grahamstown Community Association has been formed as a result of this conference, with workgroups on many social problems.

The **Department of Sociology and Industrial Sociology** has continued to grow in size, particularly on the Industrial Sociology side. This is due to the rapid development of industrial relations as an academic discipline and as a reflection of the changing realities of South African society. The Industrial Sociology courses offered in second and third year



*Mr G E Gordon, (centre) and some of the dancers in 'Dance '84'*



are designed to provide students with a theoretical and practical background to the world of work, labour relations, management and organisation. On the practical side, students have visited large firms in the Eastern Cape, like Volkswagen and Firestone, to experience a taste of the 'real world'. A distinguished visitor to the department was Mrs Sheena Duncan, who, although not an academic, must be one of the most well-informed people on the subject of the urban African population.

The **Department of Speech and Drama** presented 16 productions ranging from film, a musical, and cabaret to two indigenous plays by students. Honours student, Miss D Dods' production, 'Not Tonight' was presented at the Fringe Festival during the National Festival of the Arts. Mr D Opperman wrote and directed 'Môre is 'n Lang Dag,' Rhodes University's contribution to Kampustoneel '84 – a festival of new Afrikaans plays sponsored and presented by the ATKV in Pretoria. Prominent in the activities of the department was Lecturer Mr G E Gordon, who choreographed 'Dance '84', 'Dance on the Fringe' and a cabaret 'Tango Tea.'

### *An aquatic field trip with the Department of Zoology and Entomology*

A number of distinguished academics from universities all over the world visited the **Department of Zoology and Entomology**. Staff members attended and presented papers at conferences in Johannesburg (Drs R T F Bernard and A N Hodgson), Wilderness (Professors B R Allanson and R C Hart), France (Dr B D Boden) and Grahamstown (Drs A J F K Craig and P E Hulley). Professor Allanson spent several weeks as Chief Scientist to the Second International Biomass Experiment aboard the SA Agulhas. Dr J C van Hille and his family entertained members of the department on the occasion of the publication of his Monograph of *Aulacoderus* La Ferté. Professor V C Moran went as a visiting professor to Imperial College, University of London to continue work on a book dealing with the biological control of weeds, of which he is senior editor. In August and September he visited Hawaii to assess the biological control of weeds that are common to both the Islands and South Africa.

# Finance

Notwithstanding the fact that 1984 was a difficult year financially, ascribed in the main to the rapidly rising operating costs and a cut in the Government subsidy, the University was able to provide the necessary reserves which

will ensure that the high standards of teaching and research are maintained during 1985. In addition, funds have been set aside to assist a larger volume of deserving students with their financial needs.

R millions 1983	
20,2	
12,3	(61%)
1,1	( 6%)
2,3	(11%)
1,5	( 7%)
1,3	( 7%)
1,7	( 8%)

## OPERATING EXPENDITURE

Academic salaries  
Operating expenses – buildings, grounds and equipment  
Interest and redemption of loans (gross)  
Central administration  
Departmental and Research  
Grants including library books  
Other – including transfer to Replacement Reserve

R millions 1984	
24,0	
15,3	(64%)
1,3	( 5%)
2,5	(10%)
1,6	( 7%)
1,5	( 6%)
1,8	( 8%)

20,5	
15,7	(76%)
3,0	(15%)
1,0	( 5%)
,8	( 4%)

## REVENUE

Government Subsidies/Grants  
Fees  
Other  
Investments

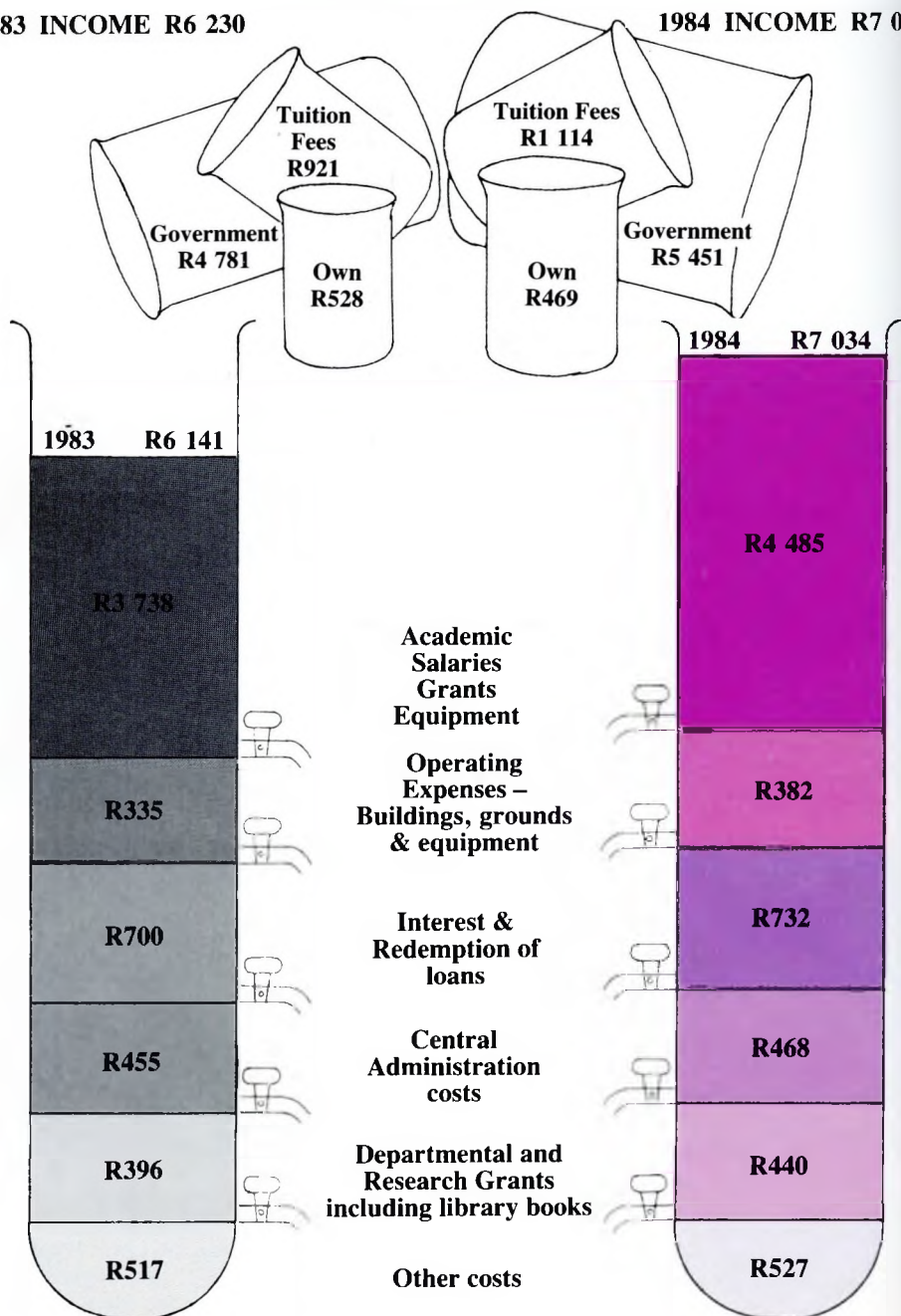
24,0	
18,6	(77%)
3,8	(16%)
,5	( 2%)
1,1	( 5%)



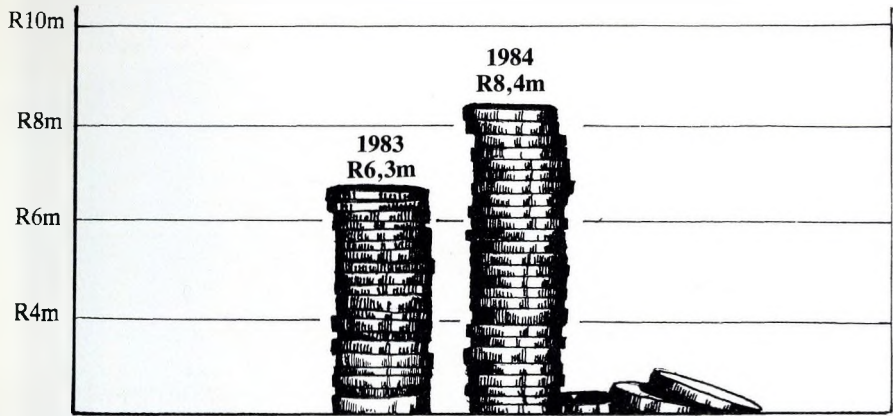
# INCOME AND EXPENDITURE PER STUDENT

1983 INCOME R6 230

1984 INCOME R7 034

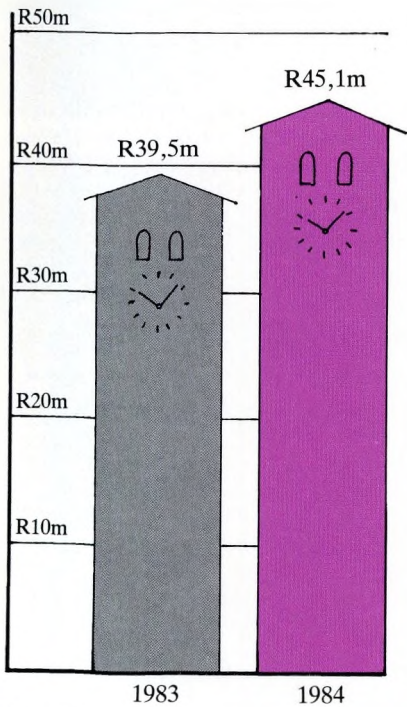


INVESTMENTS

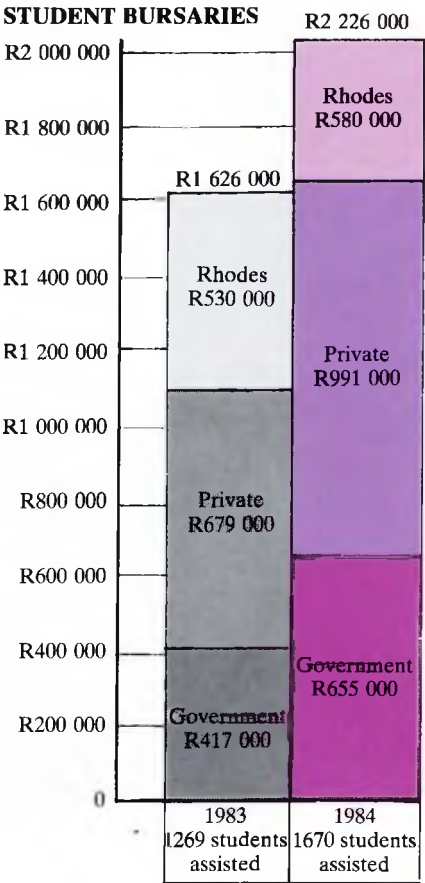


FIXED ASSETS

The University has fixed assets worth R45,1 million (1983 R39,5) at the end of 1984.



STUDENT BURSARIES





*Extensions to the Natural History Museum nearing completion*



*Excavation work at Klasies River Mouth Cave 1*

In December 1983 the historic ties of the **ALBANY MUSEUM** with Rhodes University were confirmed when it became an Associated Research Institute of the University. These ties date back as far as 1902 when the Director of the Albany Museum, Dr Selmar Schönland, addressed the Cape Parliament concerning the establishment of a university in Grahamstown. It was he too who persuaded the trustees of Cecil Rhodes' estate to pledge the funds required for the establishment of Rhodes University College. When the College was established in 1904, Dr Schönland became its first Professor of Botany.

The Museum, which was established in 1855, is the second oldest in southern Africa. Today it encompasses the Natural History Museum, the 1820 Settlers Memorial Museum, the Observatory Museum, the Drostdy Gateway, Fort Selwyn and the Provost Prison. It has a staff of 62, of whom the 10 curators have the care of some two million collected natural history specimens, archaeological and historical.

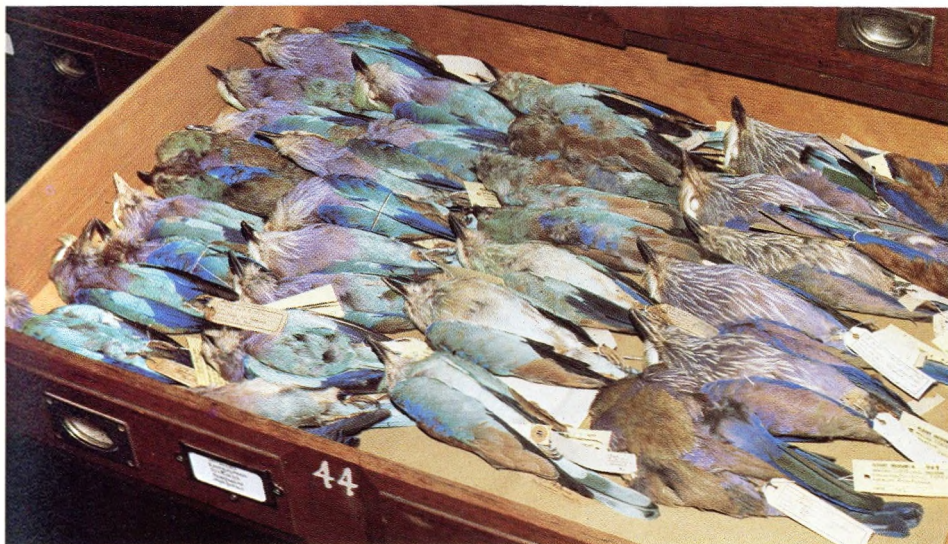


Museum staff offered courses at the University during the year in the Departments of Geography, Social Anthropology and Entomology. A joint venture with the Department of Archaeology of the University of Stellenbosch to re-excavate the Klasies River Mouth Cave sites on the southern Cape coast led to the discovery of two remarkably adorned infant burials, the like of which have not been found before in southern Africa.

During the year too, extensive additions were made to the Natural History Museum. New workshops, library, education and exhibition facilities, collection stores and accommodation for the Herbarium and the Departments of Archaeology and Entomology were built. The additional 2200 m<sup>2</sup> costing some R1,5 million, is being paid for by the Cape Provincial Administration and is due to be completed early in 1985.



*A Late Stone Age infant burial from Klasies River Mouth Cave 5*



*European and lilac-breasted Rollers in the bird study collection*

The **HERMANN OHLTHAVER INSTITUTE FOR AERONOMY** was established in 1984 on the basis of a grant of R260 000 over five years from the Hermann Ohlthaver Trust. Professor J A Gledhill was appointed Director and the Institute has taken the Antarctic Upper Atmosphere Research Group under its wing. The ionosphere and airglow research programme of this group will continue, and several new lines of research relating to the little-understood middle atmosphere, between 10 and 100 km above the earth's surface, have been initiated. Projects include the use of a powerful tunable dye laser to measure sodium, ozone and aerosols and a meteor radar to investigate meteor trails, and hence winds in the high atmosphere. A project to measure drifts of oxygen in the 95 km region by using a charge-coupled device which emits a green spectral line that can be mapped, and the use of the Decca navigation system to measure electron densities between 60 and 90 km have also commenced.

One of the major developments at the **LEATHER INDUSTRIES RESEARCH INSTITUTE (LIRI)** in 1984 was the opening of the Shuttleworth Experimental Tannery by the Honourable the Deputy Minister of Agriculture, Mr G J Kotzé. The new tannery is housed in a building purchased from Rhodes University and named after the former Director of LIRI. This new facility and the large machinery which it houses will greatly assist in the research and development programme conducted at LIRI for the leather industry. The Institute opened a new Footwear Training Centre in Pietermaritzburg to serve the large concentration of footwear manufacturers in that city. LIRI now trains in the region of 1 000 people a year from the level of machinists up to management trainees, in such subjects as quality control, productivity, work study, communication, leather and footwear technology and supervision. Students come from all over South Africa, neighbouring countries and overseas to be trained at LIRI.



*Aurora and muskeg tractor at the South African National Antarctic Expedition base*





*Nativity scene at the opening of St Peter Claver's Nursery School*

The **CENTRE FOR SOCIAL DEVELOPMENT** is growing and expanding. The Ford Motor Company has commissioned the Centre to administer its Bursary Fund for needy and deserving students in their second year of tertiary study. This brings the number of Bursary funds administered to four. The combined worth of the funds exceeds R200 000,00 per annum.

In February a pre-school for fifty black children was opened at St Peter Claver's Church in the Fingo Village. Two other new projects were launched: the baby care and parent education courses at the clinics and four home care groups in the townships.

The unrest in the black townships had an adverse effect on community work, and many projects had to be postponed. The Centre was, however, responsible for assisting in the satisfactory launching of the READ project and the Junior Schools Sci-

ence programme in Grahamstown black schools. Mrs E M Denton resigned as the pre-school co-ordinator. The Centre was fortunate to obtain the excellent services of Mrs S White as part-time secretary. Mrs R R Collett continues as the bursaries co-ordinator, and is to be thanked for acting as Director in Mrs T M Henderson's absence overseas. The staff of the Centre have a strong sense of vocation and work with dedication and motivation. Without their much appreciated service little could have been achieved.

The Centre is mainly funded by the Anglo-American and de Beer's Chairman's Fund and the Bernard van Leer Foundation of Holland. They and the other donors are to be thanked for their interest and generosity.

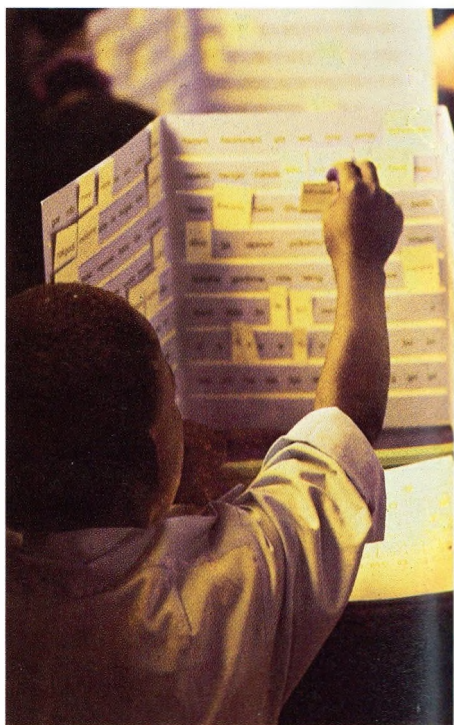


*Mrs C Fesi, a fieldworker demonstrating play equipment to mothers while their children play in the foreground*



In August, Professor P C J Vale assumed the Directorship of the **INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH (ISER)**; a month later, Professor W J Davies assumed his duties as the second Stella and Paul Loewenstein Professor of Development Studies. The University is grateful to Mr R J Fincham of the Geography Department, who was the Acting Director for the best part of the year. The change in Directorship will probably mean a slight shift in focus for the ISER and Professor Vale is in the process of reviewing the institute's programmes. The value of the University Fellowship programme was underscored by the highly successful tenure of Professor R Elphick of Wesleyan University who is researching the work and thought of missionaries in South Africa. Another University Fellow, Dr A Lemon of Mansfield College, Oxford, spent two months at the ISER researching the elections to the House of Representatives and the House of Delegates.

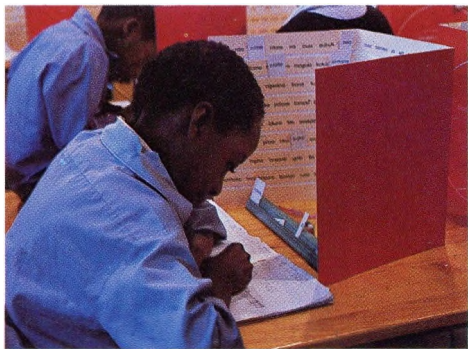
Mr A T N Tracey, the Director of the **INTERNATIONAL LIBRARY OF AFRICAN MUSIC (ILAM)**, edited Vol 6 No 3 of the ILAM journal, *African Music* and the Proceedings of the Third and Fourth Annual Symposia on Ethnomusicology.



*Choosing a word card in the Breakthrough-to-Literacy programme*

The Molteno Project of the **INSTITUTE FOR THE STUDY OF ENGLISH IN AFRICA** recorded a number of major achievements. The project's Breakthrough-to-Literacy programme designed to introduce children in Sub A to reading and writing skills in their mother tongue was accepted for use in primary schools in Botswana which joins South Africa and a number of homelands in the use of the programme. The follow-up to this programme, the Breakthrough-to-English programme, was approved for use in Sub B classes in black primary schools in South Africa.

Professor P S Walters, H A Molteno Professor of English-Second-Language returned from a year's study leave at Lancaster University in England. He began work on an MPhil degree involving research into English-second-language learning and teaching which will be relevant to the work of the Molteno Project.



*A pupil copying his own words into a story-book*

The **TICK RESEARCH UNIT** in the Department of Zoology and Entomology focusses its attention on the biology and control of ticks.

More than 100 known species of ticks occur in South Africa and each of these has one or more preferred hosts. The geographical distributions of these ticks differ, as do their life cycles and seasons of peak activity. In order to determine as many of these facts as possible the research of the Unit is conducted in each of the provinces of South Africa and in Namibia. It embraces all the domestic animals including dogs and cats, a large variety of wild animals from striped mice to buffalo and giraffe, as well as ground-frequenting birds such as some of the lark species and guinea fowl.

Ticks are responsible for the transmission of several diseases to animals and to man. One of these diseases is Crimean-Congo haemorrhagic fever in man. The virus responsible for this condition is transmitted by ticks of the genus *Hyalomma*, commonly known as bont-legged ticks. These ticks feed on scrub hares in their immature stages of development and on large animals such as horses



*Tick research station*

and cattle in their adult stage. The Tick Research Unit has received a grant from the Medical Research Council to determine the hosts, geographical distribution and seasonal occurrence of these ticks and has thus to a small extent also entered the field of human medicine.

*Derek S. Henderson*

Dr D S Henderson  
VICE-CHANCELLOR



*Male tick*



*Female tick*