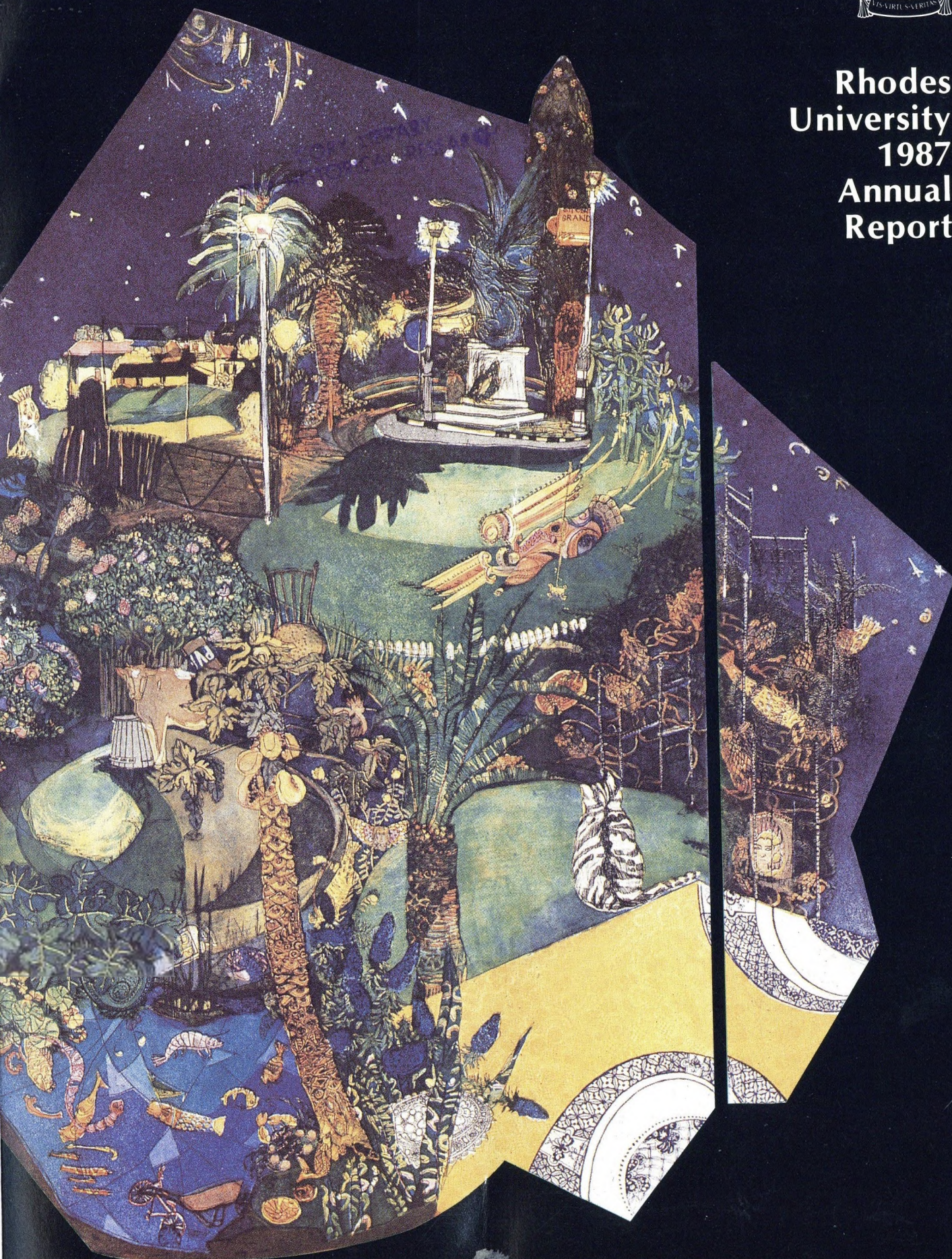




**Rhodes
University
1987
Annual
Report**



Rhodes 1987

Founded In	1904
Students	
Men	2 074
Women	1 627
	3 701
Academic Staff	280
Student/Staff Ratio	13:1
Halls of Residence	8
Residences	39
Students in residence	1 800
Grounds	203 hectares

Officers of the University

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

DEANS OF THE FACULTIES

Arts: Professor M G Whisson
Commerce: Professor R D C Jackson
Divinity: Professor J N Suggit
Education: Professor R Tunmer
Law: Professor I D Schäfer
Pharmacy: Professor I Kanfer
Science: Professor M E Brown
Social Science: Professor W A Mitchell

RESEARCH ORGANIZATIONS

Albany Museum
Biopharmaceutics Research Institute
English Dictionary Unit
Hermann Ohlthaver Institute for Aeronomy
Hydrological Research Unit
Institute for Freshwater Studies
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
Tick Research Unit





Contents

	Page
Vice-Chancellor’s Report	2
Chairman’s Report	4
Faculty overviews	6
Financial Report	10
Research Institutes and Affiliated Organizations	12
Composition of Student Body	14
Student Affairs	16

The clock tower at Rhodes — a landmark in the Grahamstown area.

Report of the Vice-Chancellor



Doctor D S Henderson

It is a truism that tertiary educational institutions, in spite of their aura of studied calm and recollection, are no more able to stand aside from the consequences of the overall social, political and economic upheavals of the day, than any other facet of our community life. Such indeed was the case during 1987, more particularly on the campuses of the so-called "Open" Universities. Disruption of guest speakers' addresses, overly-robust protests and demonstrations, leading in some cases to unseemly violence, even intimidation of those students wishing to attend classes, occurred more frequently than even the more tolerant could discover cause for exoneration.

During the course of the year the authorities at the Open Universities began addressing these issues in all earnestness, Rhodes more successfully than most in that we had anticipated events by tightening the Student Discipline Code and acting with a reasonable degree of firmness. As a consequence a much greater measure of calm prevailed. We remain determined that a proper atmosphere conducive to study must be maintained. Universities traditionally tolerate, indeed encourage, the widest possible diversity of opinion and freedom of thought. In turn, we must have the courage to withstand those who would exploit this tolerance to promote opinions and actions designed to interfere with students' rights to proceed with normal academic activities without let or hindrance.

Insensitive regulations

It was unfortunate that just as university authorities were taking strenuous and practical measures to restore calm that the Minister of National Education, along with his "Own Affairs" colleagues, chose to enter the arena. Draconian regulations of a most insensitive nature were imposed on the universities, under pain of a further loss of subsidy for non-compliance as judged by the Minister concerned. Happily, two Divisions of the Supreme Court have handed down declaratory orders upholding *inter alia* two important principles: —

1) that University Councils have responsibility for campus discipline, but that they cannot exercise it justly under threat of coercive external pressure.

2) that it is *ultra vires* for the authorities to utilize the financial provisions contained in the Universities Act, by reducing subsidies for disciplinary rather than economic or financial reasons.

For a number of years the universities have been awarded subsidies through a formula which, whatever demerits it may be considered to contain, has the overriding advantage that its provisions are based on objectively determined factors. Regrettably, the formula has never been granted in full: indeed, if it had, one must concede that it would have provided a reasonably generous dispensation. Each year, however, the subsidy has for fiscal reasons been subject to a 15 to 18 percent discount. The Universities have, not without pain, adapted their expenditure accordingly. Very recently we have been notified that this subsidy discount has rocketed to the 25 to 29 percent region. It is abundantly clear that government spending priorities, indeed the whole fiscal policy, have changed, probably on a permanent basis. In education the emphasis will shift to upgrading black primary and secondary education, a goal, surely,

which one would not wish to contest.

More generally, parastatals such as ISCOR and ESKOM, and even such sacred cows as the South African Transport Services and the Maize Board, have been pointedly made to realize that the laws of economics apply to them too, and that they cannot continue to provide services at prices unrelated to market forces. Some are even candidates for the ultimate free market test — privatization.

A cogent example of the process is the restructuring of the CSIR, which will no longer be able to rely on such a high level of government funding, but instead must earn more through contractual research and development, thereby responding to classic market signals. The CSIR appears to be meeting this challenge admirably.

CUP survey

Late in 1986 the government served notice on the universities that a much more extensive rationalization of teaching and research activities was required. The response of the Committee of University Principals was to request a year's grace, during which the universities would conduct an ambitious survey of their own. This was granted, and early in 1988 their findings were made public. In my



view the report had far too few specific recommendations, but it did present some interesting findings and pointers towards further investigation. For example, there was the unexpected result that South Africa, even with the whole population taken into account, had a higher percentage of university students than such a highly developed economy as the United Kingdom. For the white population alone the position is patently absurd: for this category we have proportionately four times as many students as the United Kingdom! A further valuable suggestion was that some intermediate hybrid between 100 percent distance teaching (as practised by UNISA) and 100 percent residential study has enormous cost-benefit potential. The government's latest subsidy reductions must, I believe, be seen within the whole context described above.

Rationalization

Obviously there is considerably more leeway for intra- and inter-university rationalization. Action will be considerably hastened as soon as the motivation of fear exceeds that engendered by arrogance. Universities will have to emulate the CSIR by earning more from the private sector, and by persuading their donors that they are worthy of greater support. Ultimately, however, a greater burden will have to fall on students and their parents or sponsors. Increases in real terms of academic fees of the order of 50 percent may well have to receive serious consideration in the coming years. Even increases of this order would increase the total costs of attending a fully residential university such as Rhodes only by some 15 percent. To obtain some perspective, the cost of three years' attendance for a

bachelor's degree would then compare with the cost of a medium-sized car. The same comparison would have been valid fifty years ago! Very few people can afford to pay cash for a car. It might therefore be necessary for existing "study now — pay later" schemes to be broadened and extended.

Generally speaking a university education has the two major aims of providing students with a minimum certifiable level of professional or technical competence, and of assisting them to acquire a more cultivated mind, capable of making them more versatile and civilised members of the commonweal. Over time the pendulum swings over these polarities. In the short term future greater emphasis is likely to fall on job preparation. This is a natural response to changing external circumstances, and need not necessarily be viewed with alarm.

Morale high

In spite of some ominous developments, Rhodes emerged from 1987 with far more credits than demerits. Such disturbances as we did experience were reasonably low-key. Thanks to the careful husbanding of resources by Mr C A Lanham, who managed our financial affairs for ten years until his retirement at the end of 1987, and to the able investment decisions of our Board of Governors under the wise chairmanship of Dr J B Sutherland, we have sufficient reserves to cushion the shock of adjusting to the new economic realities. Sufficient funds for essentials such as books and equipment have not always been readily available. On the other hand the quality of our entering students and the overall pass rate continue to improve, and the morale of the University remains gratifyingly high. I have every confidence that Rhodes can and will maintain its excellent standards, and I look forward to another successful year in 1988.

Derek S. Henderson

D. S. HENDERSON
Vice-Chancellor



The Bedellus leads the procession from the Great Hall after the General Assembly held on October 21, 1987.

Report of the Chairman

Elsewhere in this Annual Report reference is made to the difficulty caused by an uncertain amount of state subsidy and the problems faced by those charged with preparing the University's budget. It appears that the State is changing its funding priorities. At best one can foresee some years of hardship when the need for support from the Foundation will be essential. A strong endowment fund can be regarded as critical to the maintenance of Rhodes in its present form.

A brief income statement follows:



Doctor J B Sutherland

	R000s	
	1987	1986
Income from Investments	1 036	1 270
Dividends	702	463
Interest	324	807
Other Income	10	10
Less: Expenses	51	41
Net Income	985	1 229
Less:	985	1 229
Grants to Rhodes		
University and Other Funds	739	661
Surplus Income Re-invested	246	568

A change to a unit trust type of accounting has resulted in quarterly net income being shared with the University on the basis of the market values of the funds invested, the Foundation being restricted to a 25 percent share allowed for income tax purposes. This has resulted in a smaller amount remaining in the Foundation for re-investment but it is gratifying to find it possible to give greater assistance to the University and its funds. Amounts received from donors do not form part of income but are handed intact to the Foundation for investment.

The Foundation's Investment Committee has experienced a difficult year during which uncertainty has hampered decisions. This has been exacerbated by the stock market crash and the substantial decline in the market value of the investment portfolio. The further decline in market values after the financial year-end has caused the value of the portfolio to drop to R17 995 000 in spite of the introduction of new money.

It is the Investment Committee's policy to invest reasonably permanently in sound shares and interest earning investments, changes of investment being made only as circumstances alter.

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

Investment Portfolio

1986				1987				
Cost R000s	%	Market Value R000s	%		Cost R000s	%	Market Value R000s	%
5 156	46	9 948	55	Mining and Mining Financial Shares	6 778	45	10 828	53
3 240	29	5 210	29	Industrial Shares	5 011	33	6 097	30
998	9	998	6	Long-term Interest-bearing	2 130	14	2 195	11
1 873	16	1 873	10	Short-term Interest-bearing	1 247	8	1 247	6
11 267	100	18 029	100		15 166	100	20 367	100



The balance sheet below shows a substantial increase in the funds invested. This is accounted for by the investment on behalf of the University of funds surplus to its short-term requirements.

Balance Sheet 1987

	1987	1986
Capital Employed		
Accumulated Funds	7 839	7 510
Rhodes University		
Funds Invested	7 561	4 201
	15 400	11 711
Employment of Capital		
Investments and Cash	15 166	11 267
Loan to Rhodes University	150	150
Accounts Receivable less Payable	84	294
	15 400	11 711

It is with deep regret that we record the death of Dr Henry Gluckman who served both his country and the Foundation with distinction for many years.

Mr R X Parkin has emigrated and Mr J M Power has found it necessary to resign from the Board of Governors. We thank them both for their contribution.

We are happy to welcome Mr D F Hanson and Mr R B Savage to the Board and hope we can enjoy their wise counsel for a number of years.

I must conclude by thanking our numerous donors for their generosity and concern for Rhodes University.

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

Faculty overviews

Faculty of Arts

It has been a challenging and rewarding year for the Faculty of Arts.

Exhibitions featured prominently on the **Department of Fine Arts** list of achievements for 1987. These included an 1820 Festival Group Exhibition by the staff of the Art School in July, a Photographic Department group exhibition at the Shell Gallery in Cape Town in September, and six internal exhibitions, culminating in the annual exhibition in November.

Prof Robert Brooks is making a film for SABC TV on Art and Architecture in Port Elizabeth. Cindy Dardagan won and executed a commission for the Department of Zoology and Entomology, which is now positioned in the main entrance of the building.

News from the **History Department** is that Prof Davenport's reputation as the doyen of South African historians was further enhanced by the publication of the third edition of *South Africa: A Modern History*. His work continues to demonstrate the relevance of history to contemporary debates. On the more traditional front, Prof Davenport has submitted his report on the Eastern Cape Historical Records Project (a major undertaking to catalogue and preserve historical documents in private hands) to the Human Sciences Research Council.

Dr Chris Hummel's services as a speaker continue to be in great demand, and he has addressed audiences in Plettenberg Bay, Port Alfred and Grahamstown on a variety of historical topics.

Dr Jeff Peires has completed his book on the Xhosa cattle-killing and this is due for publication soon.

Dr Julian Cobbing continues his work on his critique of the established views of the Mfecane, and his paper, *The Mfecane as Alibi* drew an unprecedented (for History!) crowd of over 200 to Arts Major. He has also been visiting lecturer at the University of Durban Westville.

Over the past two years the efforts of the **Department of Linguistics and English Language** have been concentrated on the expansion of the two-course major to a three-course major; the



construction of a mainline Honours programme; and extensive updating of Honours in English Language Teaching (ELT). Both Course I and ELT look like potential growth points.

The **Department of Speech and Drama** presented 11 productions during 1987 and celebrated its 21st birthday with two productions in the third term. A special Birthday Celebration Dance Programme was choreographed by Gary Gordon, who has returned to the Department after obtaining his MA at the Laban Centre for Movement and Dance at London University.

The second production was given in honour of Prof Guy Butler, the founder of the Department and the Theatre. *A Tribute to Guy Butler*, based on his life and works, was compiled and directed by Beth Dickerson and Jane Osborne.

Bobby Heaney, artistic director for PACT and Lynette Marais, PACT's general manager of drama, ran a series of auditions for third year and Honours students at Rhodes in October. Interviewed afterwards, Heaney commented that the standard of work was among the highest he had seen in South Africa.

For the first time, the **Department of Afrikaans en Nederlands** offered two majors — Afrikaans III and Afrikaans en Nederlands III and this has proved to be a great success.

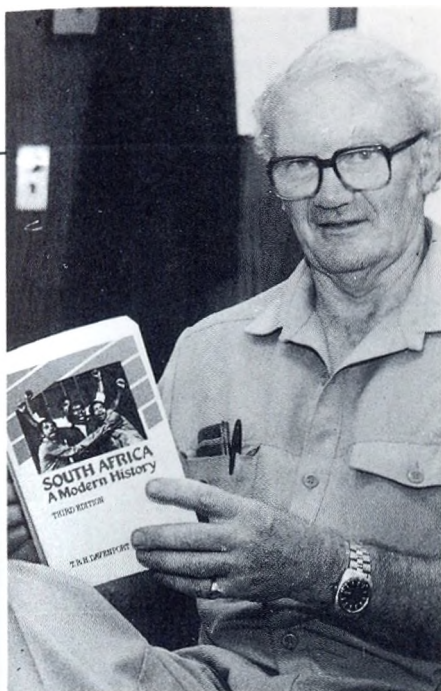
Mr Etienne van Heerden, who replaced Mrs Rike Vaughan, is regarded as the leading fiction writer in the younger generation of Afrikaans authors. His latest novel, *Toorberg*, has been awarded the W A Hofmeyr prize, the ATV prize, the CNA Literary award and was runner-up for the Rapport prize.

Prof André Brink spent some time at Princeton University as Visiting Fellow in the Department of History. During July, he and Ms M de Beer attended the IDASA talks with the ANC in Dakar. In September, he visited Moscow and Leningrad as a guest of the Moscow Book Fair and the Soviet Writers' Union.

Translations of Prof Brink's literary and political essays appeared in German, Swedish and Japanese, while new translations of his novels in countries like Brazil and Estonia bring the total number of languages into which his work has been translated up to 25.

The Department has eight Honours students this year, which is an all-time record for Afrikaans en Nederlands at Rhodes.

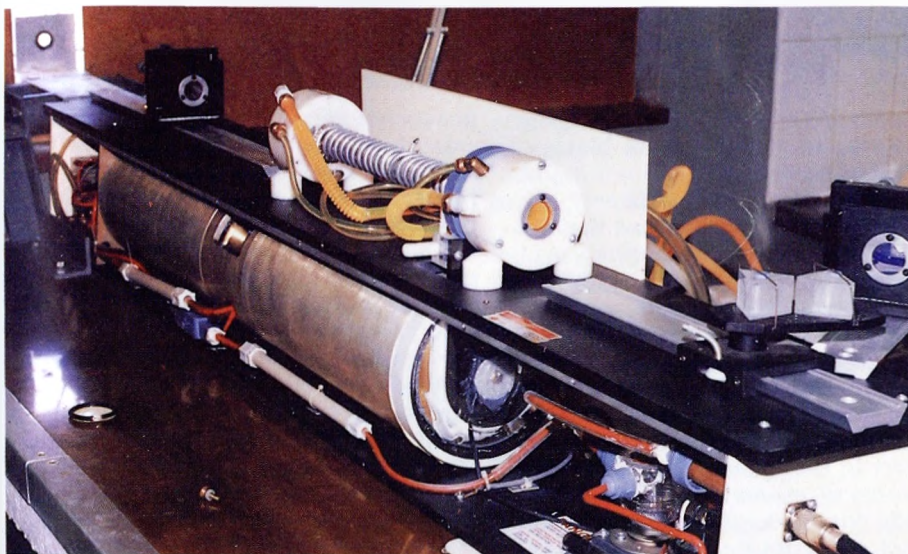
The **Anthropology Department** enjoyed a high profile year, with Prof Whisson becoming Dean of Arts, Dr Palmer being appointed Chairman of the Staff Association and Drs De Wet and McAllister being capped at the April graduation.



Far left: Art students setting out on a field trip.

Left: Prof Davenport with a copy of his latest work.

Below: The lidar (laser radar) at the Hermann Olthaver Institute for Aeronomy.



Undergraduate enrolments rose to a record 180 and two major research projects were initiated. Dr McAllister commenced a broad-based study in Willowvale, Transkei, the goal of which is a viable and popular development programme for the region while Drs De Wet and Palmer are exploring the processes and the impact of changes which have taken place in Keiskammahoek, Ciskei, since the first survey carried out by Rhodes academics in about 1950.

The Egyptian collection of the **Classics Department** museum is increasing steadily. Prof Gain has been writing dictionaries for Latin I and is continuing work on his Biblical Hebrew dictionary. The **Department of Music and Musicology** has had a particularly notable year, due to the retirement after 35 years at the University of Prof R Mayr and the appointment of Prof N W Nowotny as Head of Department from the middle of the year.

The Rhodes Jazz Band, under Prof Nowotny, gave several successful concerts, as did the Rhodes University Chamber Choir, under Prof R Mayr. The choir also undertook a tour of Natal.

Student numbers continue to increase in the **Department of Psychology** and this year the Department has 246 students, the largest number of full-time equivalent students of any department in the University. While this is partly contributed to by undergraduate numbers (the Psychology I class this year was over 350) the department is developing a substantial postgraduate division.

The first PhD course in Psychotherapy in South Africa was introduced at Rhodes this year, for which two students enrolled. The course will improve the quality of research into psychotherapy.

Another new development was a Master's degree in research psychology done by course work.

Students who complete this successfully will be able to register as interns in research psychology in the Department and, after a year, register as research psychologists with the South African Medical and Dental Council.

The Department continues to play a leading role in the development of Psychology as a human, rather than a natural science.

Prof Kruger's book *A First Encounter with Psychology* went into a second edition during the year.

Members of the **English Department** sustained their record of achievement of last year by continuing to make contributions to the subject both here and abroad. They have published articles and scholarly reviews, edited journals, and contributed as advisers and correspondents to journals and learned publications. Papers were delivered at five conferences locally and one abroad. Members liaised with local schools, and delivered lectures at the Schools' Festival. Research is continuing on a number of future publications.

Two major projects in the **Department of Journalism and Media Studies** this year were the monitoring of television coverage of the white general election and the launching of *Cue*, a daily newspaper for the Standard Bank National Arts Festival. Reviewers attending the Festival from all South Africa's major newspapers wrote for *Cue* and provided a popular daily guide to the major and fringe events. For the first time, reviewers, artists and audiences exchanged views in a single publication which became an immediate feature of the 10-day festival.

Students in the **Department of Librarianship** participated in an exciting extension of their normal activities by compiling a bibliography of recent South African publications on Shakespeare, which will be published in the annual journal, *Shakespeare in Southern Africa*.

Faculty of Divinity

This Faculty had an encouraging number of Honours and Master's students during 1987, some of whom were part-time. Five are due to complete their Master's theses this

Faculty overviews

year, and one has completed his PhD thesis.

The weekly Faculty worship, led by staff or students, is a significant part of the programme, expressing the close relationship between academic study and worship. A eucharist early in the year was the happy occasion of a double celebration, Professor-Emeritus Leslie Hewson's 80th birthday and the Faculty's 40th.

A small specialized Summer School was held in February, and was concerned with the use of the Greek text for the exegesis of the New Testament. Those who attended benefited from the brief, but intensive course.

In April, the University acted as host to the annual Congress of the New Testament Society of South Africa, the first time the Congress has been held at Rhodes. St Paul's participated in this venture by assisting with accommodation.

As a result of growing interest in the Pastoral Theology Honours course shown by black Methodist and Anglican ministers, a new paper concerned with pastoral care in the black community has been introduced, which pays special attention to features of traditional African culture which the Churches often ignored in the past.

Faculty of Education

The Faculty's research unit investigating the use of the English Language across the curriculum is in its first year of operation, with Mr Charles Nuttall holding the post of senior research officer. This unit is funded by Anglo American and research in terms of a needs assessment for language usage in the local community and an examination of teaching materials available in local schools is being undertaken. The unit also makes a contribution to courses for Rhodes students in training in the methods of teaching English as a second language, particularly in black schools, and assists research students at Master's level.

The Faculty has welcomed the growth of higher degree student numbers, at BEd and MEd levels. In 1987 approximately 50 percent of students in the Faculty were doing some form of higher degree work.



Approximately 50 percent of these higher degree students were black, Asian and coloured.

Members of staff have been actively engaged throughout the year in in-service training of teachers, and in teachers' conferences. Areas of study covered include gifted children, computers in education, and the Science Education project. Although administered from Wits University, this last project receives active support in the Eastern Cape. Other examples of in-service training include the Museum Education project and contributions to the 1820 Foundation's Schools' Festival.

The resignation of Prof Penny, who left to take up a post in the United Kingdom, has been a loss to the Faculty in terms of his particular teaching input.

The Faculty continues to take in a small number of students for upgrading purposes. Teachers with comparatively low qualification study at Rhodes for a year to increase their qualifications. Many of these teachers are given the opportunity of further study through the generosity of the Anglo American De Beers Chairman's Fund, which provides money for bursaries for this purpose.

Faculty of Law

The Law Week took place during the first week of May, 1987. Lectures were delivered by Advocate Bam of the Legal Resources Centre; Mr K van der Merwe, the Assistant Master of the Supreme Court, Grahamstown; and Mr S Rankin, a local attorney. The

guest speaker at the opening dinner was Mr Justice J D Cloete, the retired Judge President of the Eastern Cape Division, and an "old boy" of the Faculty.

This year saw the reintroduction of exchange visits by members of staff of our Faculty and the UPE Law Faculty. The Family Law Service, under the general editorship of Prof I D Schäfer, was launched in August. Prof Schäfer has also completed his work with the Department of Health and Welfare which concerned legislative proposals for disabled persons.

Members of the Faculty have continued to serve the University and its community in the way of general legal advice, public lectures and participation in community affairs.

Faculty of Commerce

Prof R Jackson took over as Dean of the Faculty in July, with Prof R Surtees as Deputy Dean. The year saw a discernible improvement in the quality of students registered in the Commerce Faculty and the Dean was able to set considerably higher standards required for admission, which will have beneficial results in the future. Expansion of the East London Division continued during the year, with more students taking advantage of the opportunity of studying a greater variety of subjects.

The Department of Accounting welcomed a large number of first-year students — approximately 300 — at the start of 1987. Staff changes within the department saw



Prof R Jackson taking over as Head of Department from Prof J K Black, now Registrar (Finance). To mark Prof Black's retirement from the department, some 100 of his former students and professional colleagues attended a dinner in his honour in Johannesburg, indicating the esteem in which he is held.

Professors Jackson and Surtees published articles and book reviews in a number of professional journals. Most staff members are currently involved in research projects.

The success of the Department can be illustrated by the high number of past students who now hold prominent positions in commerce and industry and the accountancy profession.

To foster communication between past students and business people in the Eastern Cape, the staff of the **Department of Business Administration** have been hard at work on the compilation of the department's first annual report, scheduled to be published early in 1988. During the course of the year, several prominent business people visited the department to address students on topical issues.

Prof Staude spent four weeks at the Cranfield School of Management in Bedford, England, where he participated in a Training for Enterprise programme. Areas of particular interest to Prof Staude were the way in which school children can be introduced to the concept of enterprise and self-employment as part of their basic education and the way in which programmes within the Department of Business Administration may be modified to enable students to consider creating their own jobs as an alternative to simply seeking employment.

The **Department of Economics and Economic History** has been very active on the research front. Ms Niki Cattaneo, who received her Honours degree in economics earlier this year, was awarded the Senbak prize for the best Honours essay in the country by the Economics Society of South Africa.

In addition to Economics I and II, the Department will offer Economics III in East London from the beginning of 1988.

Faculty of Science

The **Department of Physics and Electronics** has not suffered the decline in student numbers to the same degree as Physics departments at other English speaking universities. It regularly produces more than ten BSc graduates in Physics with Electronics and five or more Honours graduates in Physics and/or Electronics.

The Radio Astronomy research group under Prof Baart has made good progress with its survey of the southern sky. Data gathering increased considerably with the installation of a GAsFET receiver at the Hartebeesthoek radio telescope. Prof de Jager has directed a number of projects applying image processing to astronomy, medical radiography and industrial production lines. Mr Grant has done computer interfacing projects for industry and the Grahamstown Cathedral. Dr Poole's meteor radar has been operating continuously for a year and has produced interesting results on meteor showers and winds in the upper atmosphere.

New developments in the **Department of Chemistry and Biochemistry** included the establishment of an Honours course in Biotechnology (together with the Microbiology Department), the completion of two new research laboratories and the promotion of Chris Whiteley to Associate Professor.

Prof Rivett retired at the end of 1986 and Professor Kaye assumed duty as Professor of Organic chemistry.

The 1987 Chemistry Tour to the Reef took place in July and a number of laboratories and plants were visited, including the Anglo American research Laboratories and the AECI plant at Modderfontein.

The year 1987 saw the inception of the new MSc (Applied Computer Science) degree in the **Department of Computer Science**, with an initial class of five students. This one-year course specializes in real time systems, artificial intelligence and digital image processing. Most of the project work is industry related, with parts of the course given by selected outside specialists, including Prof Judy Bishop, from Wits, and Dr Etienne de Villiers from AECI.

The **Geography Department** convened two successful conferences during the year and its staff were joined by the first head of department, Prof John Rennie, when they celebrated the fiftieth anniversary of its establishment in June. The Quadrennial Conference for the South African Geographical Society in July was attended by 140 delegates, 10 of whom were from overseas. The Hydrological Sciences Symposium combined the Biennial Symposium of the Ground Water Division of the Geological Society of South Africa and the National Hydrology Symposium of the South African national committee of the International Association of Hydrological Sciences.

Mr Colin Buxton joined the **Department of Ichthyology and Fisheries Science** in July and has recently submitted his PhD thesis for examination.

Several major CSIR funded projects directed by Prof Hecht were completed. These included three aquaculture programmes, an investigation of the commercial line fishery in Port Alfred and a study of the otoliths of Southern Ocean fishes.

A record number of students will graduate in April next year; five Honours students, one post-graduate Diplomand in Fisheries Science, six MSc students and one PhD student.

Prof S C Seagrief retired as Head of the **Department of Plant Sciences** in June and Prof C E J Botha took up this position in July. Prof I D Railton returned from a year's sabbatical leave spent in the Department of Chemistry and Biochemistry at the University of California in Los Angeles.

Professors Lubke and Botha were nominated president and treasurer respectively of the South African Association of Botanists at the SAAB Congress.

Prof B R Allanson retired as the Head of the **Department of Zoology and Entomology** after 25 years and will be succeeded by Prof H R Hepburn. Staff of the Department continue their work on a variety of research projects, including the collaborative research with the University of York on bracken control.

Faculty of Pharmacy

The new Biopharmaceutics Research

Unit became operational in 1987. Although housed within the Faculty and under the control of Dean Izzy Kanfer, the unit has its own staff and research facilities.

Prof I Kanfer has been elected President of the Academy of Pharmaceutical Sciences. In April the Faculty hosted the annual congress of this body, at which Prof H Parolis was Congress Secretary. Prof Parolis, representing South African universities, has served on a Committee of Investigation into the Training of Pharmacists. The findings of the Committee will be submitted to the Committee of University Principals during 1988.

The Faculty established a Drug Monitoring Unit in March, under the supervision of Drs Ros Dowse and Anne Kench. To date some 300 asthmatic and epileptic outpatients at Settlers' Day Hospital have been monitored for blood levels of theophylline and phenytoin respectively.

Mr Eric Meyer, while completing a doctoral thesis on the bio-availability of topical corticosteroids, continues to co-ordinate the PADA (Pharmacists Against Drug Abuse) programme on campus and in the local community. Activities during the year have included formal training of new student members, two in-house seminars and a one-day workshop on experiential learning and presentation skills, presented by FAMSA.

At the April graduation, 61 students received the BPharm degree and during the year another 57 have completed the requirements for the degree. The Faculty has six Master's and eight Doctoral students currently registered.

The Faculty's Pharmacology, Physiology and Pharmaceutics sections moved to the newly completed top floor of the Chemistry building early in 1988. This will make the Faculty more accessible and will bring its various sections closer together than has been the case for several years.

Academic Skills Programme

The Academic Skills Programme (ASP) continues to be used by a substantial number of students who feel they need help to overcome their unpreparedness for university study.

In 1987, help in academic skills was available not only in the humanities and science subjects, but in some commerce subjects including Law, Business Management Studies (BMS) and Elementary Theory of Financial Statistics (ETFS). Delegates from 22 institutions of tertiary education attended the annual conference on "academic support" hosted by Rhodes in December.

The Computer-based Education Unit

During 1987, the total number of student contact hours on the PLATO computer assisted learning system increased. A large poetry course for students of English was completed, as was a simulation for use by fourth-year Pharmacy students.

The unit has been a source of considerable income for the University through the sale of PLATO services. This year the unit has had 16 terminals at five different organizations in the Eastern Cape, and a contract was entered into with the University of Transkei to install 16 terminals there by the start of their next academic year.

Electron Microscopy Unit

It has been a particularly busy year for the Unit, with many graduate students and staff using electron microscopes for the major part of their research.

An electron micrograph taken in the Unit was once again selected as the cover micrograph for the conference proceedings at the annual conference of the Electron Microscopy Society of South Africa in Johannesburg.

REPORT ON FINANCES FOR 1987

In this year's annual report it is intended to focus attention on an aspect of university finances, which has been brought to the attention of the public by the media. It is not the intention to comment on the much publicized restrictions on universities which were intended to control campus unrest and which could possibly affect the size of the state subsidy.

Reference must be made to the subsidies paid by the State. The subsidy, which represents 74 percent of the total income and which was calculated at R28,319 million was reduced by no less than R4,545 million. Not only was the reduction substantial but it was both arbitrary and notified after the preparation of the 1987 budget. Fortunately, having become used to both the practice of subsidy reducing and late notification, the best guess made when preparing the budget was not much different from the actual reduction. It would be a different matter should the final reduction be considerably higher than the estimated reduction, as has been the case in 1988 when a 27 percent reduction was made. Persons concerned with large commercial organizations will appreciate how difficult is the task of financial management when the main source of income can be reduced by percentages ranging between 15 percent and 27 percent.

Nevertheless the 1987 results are satisfactory, as is shown by the table.

Of major concern to university authorities is the need to ensure that tuition and residence fees do not escalate beyond the capacity of students and their parents to pay them. Nevertheless the rising cost of tertiary education will eventually place it beyond the reach of many whose academic merit entitles them to higher education. There is a need for many more and larger bursary schemes for students with academic merit.

The Residences

Accommodation is provided for 1 030 men and 950 women students in 39 residences which are grouped into 8 halls. Control over residence matters is exercised through hall wardens assisted by house and sub-wardens.



INCOME STATEMENT

R millions

INCOME	1987	%	1986	%
Government subsidies	25.9	74	22.8	73
Student fees	6.8	19	5.8	19
Investment income	1.6	4	1.8	6
Other	.9	3	.8	2
	35.2	100	31.2	100
EXPENDITURE				
Salaries and benefits	21.4	61	18.7	61
Operating expenses of building, grounds and equipment	2.3	6	2.0	7
Loan interest and redemption	2.5	7	2.5	8
Central administration	2.8	8	2.6	8
Departmental and research grants including library books	2.7	8	2.4	8
Other including transfer to reserves	3.5	10	3.0	8
	35.2	100	31.2	100

The residence system is run as a self-supporting business enterprise which fixes residence fees at levels which will meet running costs.

An income statement follows:

Income Statement 1987	R000s
Income	6 416
Residence Fees	5 988
Other Income	428
Expenditure	6 416
Food	1 448
Salaries and Wages	945
Power and Water	623
Loan Interest and Redemption	476
Laundry	293
Replacements and Maintenance Provisions	1 742
Other Expenses	889

Two new residences have been built in the past two years, both of which have been financed by mining groups. The university records its appreciation of their generosity.

Research Institutes and Organizations affiliated to Rhodes University

Albany Museum

One of the major developments at the Albany Museum has been the introduction of computer systems for a number of natural history collections, facilitated by a link between the Museum's personal computers and the University's mainframe, permitting the use of the mainframe for both archival purposes and for manipulating large data files.

The Museum's assistant Curator of Insects, Mr Alan Weaving, was awarded an MSc (first class) by Rhodes University for his studies on the nesting behaviour of some wasps of the genus *Ammophila*. He was also awarded the Bronze Medal of the South African Association for the Advancement of Science and the Junior Captain Scott Medal for the same thesis.

Centre for Social Development

Highly intensive fundraising efforts made for a year of tremendous growth and extension in the Centre for Social Development.

In January, 14 pre-schools for 300 children on farms in the Bathurst district were equipped and opened. Mrs Jill Long, the rural co-ordinator, is largely responsible for the very satisfactory start to this exciting project.

The Grahamstown Area Relief Association (GADRA) Education Commercial Centre for 18 full time and 18 part-time black and coloured students was opened in February. The centre, under the supervision of Mrs Annette Nuttall, has registered as a Pitman's Examination Centre.

A non-racial day care centre for the children of working mothers in the restored Shaw Hall opened its doors to its first 50 small charges in October. The centre will also be used by the CSD as its training centre.

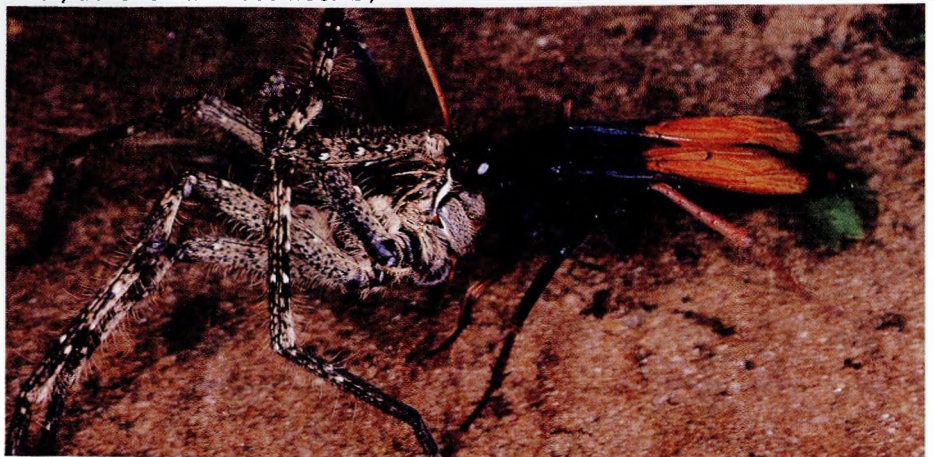
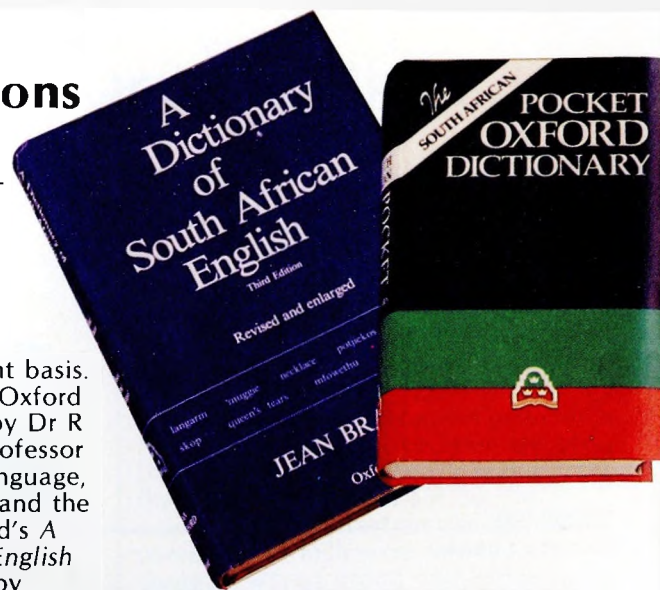
Over 200 bursaries were awarded to disadvantaged tertiary students in 1987. Considerable efforts were made in the staff enrichment field this year, with co-ordinators and field workers attending courses, conferences and seminars throughout the country.

English Dictionary Unit

The year was brightened for the Unit by the approval by the Minister

of National Education of its establishment on a permanent basis.

The South African Pocket Oxford Dictionary (SAPOD), edited by Dr R B Allen and Bill Branford, Professor of Linguistics and English Language, was published in September and the third edition of Jean Branford's *A Dictionary of South African English* was published in December by



The wasp Tachypompilus ignitus with prey, Fanies Island, Lake St Lucia.



Dr J O'Keeffe, Director of the Institute for Freshwater Studies, engaged in research on the Buffalo River, near King Williams Town. The Institute is investigating the effects of impoundments on the downstream ecology of the river.

Oxford University Press, Southern Africa.

Armanda Santos and Raewyn Hill produced a complete computerized word list of the Unit's holdings, indexed, for example, by semantic field and language of origin. Dr David Gough wrote a very substantial guide for the handling of African-language etymologies. These undertakings have added powerful research tools for use in the unit's

major project, *A Dictionary of South African English on Historical Principles*.

Hermann Ohlthaver Institute for Aeronomy

The Institute's lidar (laser radar) is now operating successfully. Atmospheric density and temperature from 10 km to 35 km above the earth's surface have been measured and a preliminary report



was read by Mr R Grant at the meeting of the South African Society for Atmospheric Science in Pretoria in October.

An article was published in the *Journal of Geophysical Research* on a magnetospheric substorm observed at Sanae, Antarctica, in July 1979. Four of the 11 participating authors in the article worked at the Institute and this paper made a significant contribution to the Institute's understanding of magnetic storms and their atmospheric effects.

J L B Smith Institute of Ichthyology

The fish collection at the Institute is increasing rapidly, largely due to the excellent relationships established between research staff and other researchers, anglers, commercial fishermen and divers.

Work on a computerized collection catalogue is still in progress, and once this is completed, interactive searches will be possible, enabling staff to answer queries about fish distribution, biology, behaviour and economic importance more rapidly and accurately.

The Institute is now widely regarded as the major depository for fish specimens in southern Africa, although the Institute encourages and assists with the establishment of fish collections elsewhere. National museums in Malawi, Botswana and the Comores have been assisted by the Institute to establish collections of their own fishes.

Institute for the Study of English in Africa

The Molteno Project, the largest of several English teaching projects in the Institute, is expanding rapidly as more and more black schools discover the value of this unique method of teaching English as a second language. A highlight of the year was the presentation of a "festschrift" to the Institute's previous director, Prof Len Lanham at the annual conference of the South African Applied Linguistics Association in September.

The new director, Prof Paul Walters, in collaboration with Mr Charles Nuttall, research officer in the Department of Education, introduced a pilot English Second

Language Method course in that department, as well as contributing to the highly successful Honours course in English Language Teaching in the Department of Linguistics and English Language.

Institute for Freshwater Studies

Dr J H O'Keeffe has been appointed Director of the Institute following the retirement of Prof B R Allanson.

The major research emphasis in the Institute is now on river and estuarine ecology. A three-year research programme on the Buffalo River is mainly concerned with the effects of impoundments on the downstream ecology, with subsidiary investigations of the feeding biology of some of the dominant invertebrates in the river.

International Library of African Music

To conclude the Symposium on Ethnomusicology held at Rhodes in October, the International Library of African Music presented a very special kind of concert — a Music Jamboree.

The programme featured *Abafana bo Moyo*, Zulu-type street music from Durban; Pareshe Madhoo and his group, also from Durban; traditional Xhosa dancers from the Transkei; the Shanachie Irish group, from Cape Town; and the ILAM Director, Andrew Tracey and his Steelband, together with other varied musical items.

Leather Industries Research Institute

One of the main LIRI projects in 1987 was the formulation of Stratplan 2000, a strategic industrial plan with the overall objective of the practical development of the Hides and Skins, Leather, Footwear and associated industries in South Africa.

This plan places particular emphasis on the quality improvement of hides and skins, the beneficiation of these to the semi-processed or preferably the processed state, export promotion of finished products (leather and footwear) and job creation in both the existing industry structure and the small business areas.

LIRI continues to have

considerable success with the design, commissioning and monitoring of wastewater management systems for the leather industry. This includes the use of plants for the recycling of chrome tanning salts, used in the manufacture of leather, precipitation and re-use of any excess chrome tanning salts. In this way, costs savings are achieved and chrome salts are reduced to a minimum in tannery effluent.

Plant Nutrition Research

The main objective of the Plant Nutrition Research Unit, which was established in 1968, is to provide an analytical service to the pineapple growers of the Eastern Cape. As such, the level of trace elements in samples of soil, leaf material and water is tested and scientifically-based fertilizer programmes developed for optimum fruit growth.

The unit also conducts analyses for the private sector and performs inter-departmental work within the University.

Tick Research Unit

The intensive study of the internal and external parasites of domestic and wild animals came to an end this year with the departure of the director, Prof Ivan Horak.

The Unit has embarked on researching the resistance of cattle, sheep and dogs to tick infestation. Work on resistance of indigenous and exotic cattle is being prepared in the Ciskei, while the economic effects of tick infestation on cattle is being studied in the East London area.

National English Literary Museum

The Museum has continued to flourish. In July the Eastern Star Gallery in Anglo-African Street, Grahamstown, opened and the Schreiner House, NELM's satellite in Cross Street, Cradock, celebrated its first birthday.

The Eastern Star Gallery is part of NELM's Department of Printing and Publishing History. When complete, the exhibition at the Gallery will illustrate the printing works of the Eastern Star Newspaper, which moved to Johannesburg in 1887, where it is still published today as *The Star*.

Composition of student body

Student Numbers 1987

		Arts	Commerce	Divinity	Education	Law	Pharmacy	Science	Social Science	Occasional students	Total
Under-graduates	86	1029	732	47	102	13	270	427	145	53	2818
	87	1113	774	30	83	16	224	412	131	56	2859
Graduates	86	249	54	22	220	68	16	173	38	—	840
	87	277	48	35	217	70	13	160	22	—	842
Total	86	1278	786	69	322	81	286	600	183	53	3658
	87	1390	822	65	300	86	237	572	173	56	3701

Graduation April 1988

As this report is printed before graduation, there may be changes to the April 1988 awards. Final figures will appear on next year's report

		Arts	Commerce	Divinity	Education	Law	Pharmacy	Science	Social Science	Total
Under-graduate Diplomas & Certificates	87	3	8	1	37	—	—	—	—	49
	88	14	28	1	25	—	—	—	—	68
Bachelor's Degree	87	224	91	8	—	2	65	84	29	503
	88	238	116	2	—	—	52	87	31	526
Post-graduate Diplomas & Certificates	87	12	18	—	51	—	—	—	4	85
	88	18	14	—	53	—	—	1	1	87
Second Degrees	87	63	16	5	38	22	—	68	22	234
	88	81	11	12	34	27	—	51	5	221
Master's Degree	87	20	1	—	7	—	2	20	—	50
	88	25	1	2	5	1	1	11	1	47
Doctorates	87	10	—	—	2	1	—	5	—	18
	88	1	—	—	—	1	2	6	—	10
Total Diplomas Certificates	87	15	26	1	88	—	—	—	4	134
	88	32	42	1	78	—	—	1	1	155
Total Degrees	87	317	109	13	47	25	67	177	51	805
	88	345	128	16	39	29	55	155	37	804
Total Awards	87	332	134	14	135	25	67	177	55	939
	88	377	170	17	117	29	55	156	38	959



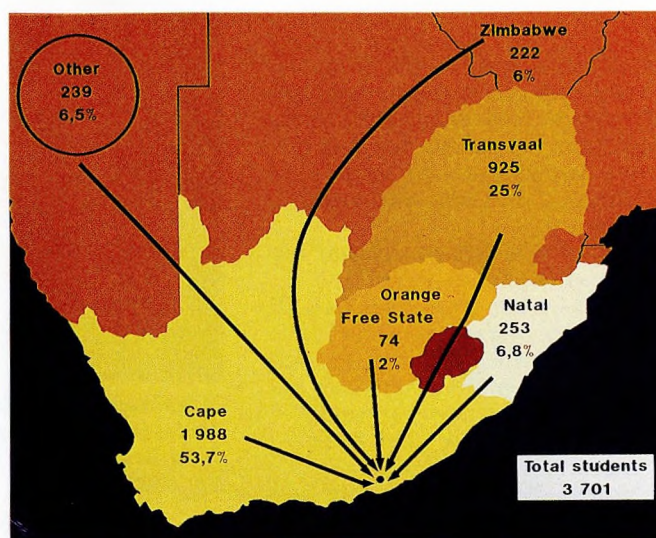
Sex



In residence



Total: 3701



Students at work in the library at Rhodes University.

Student Affairs

Rag

In an effort to involve the local community, a carnival was held on the Prospect Field in addition to the annual float procession for Rag '87. This new venture proved to be a great success, and one well worth repeating.

A total of R46 000 was raised for charity and the funds were distributed by the Vice-Principal, Dr Roux van der Merwe, at a cocktail party in November. The distribution of funds raised by Rag activities is based on research done by social workers and generally goes to self-help organizations.

Volunteer students from the various faculties who belong to the Rhodes University Student Community Organization had a busy year working for the local community. This organization bridges the gap between social workers and students, and its members are all prepared to lend a helping hand when a need in the community is defined by social workers.

Students' Representative Council

Over the past few years, the SRC has taken some innovative steps to increase the range of benefits and services available to students. The leadership weekends continue to be a great success, the issues raised giving the SRC much on which to build.

A Counselling Centre designed to fill the gap between intensive psychotherapy and vocational and financial counselling came into operation at the end of the year, after much hard work and fund-raising.

A referendum was held towards the end of the year to decide whether the SRC should be affiliated to the National Union of South African Students. The majority of students supported affiliation, which means that the 1987/88 SRC will be the first SRC in many years to benefit from national contact.

At the student benefit level, the SRC now has access to comparative information nationally on subjects ranging from residence fees and rules through to student representation in university decision making structures. This has given



Simphiwe Tshabalala of SANSCO addressing the General Assembly held in the Great Hall on October 21, 1987.

SRC activity a direction and perspective.

Politically the SRC has also been more aware of national dynamics. This was extremely useful at the time of the government initiative to use political rather than academic criteria as a basis for university subsidy allocation. The Rhodes SRC called for a University assembly to protest the De Klerk regulations. Members of all sectors of the University spoke at the Assembly. This regional unity was part of the nationwide rejection of the De Klerk regulations as the universities of the Witwatersrand, Cape Town, Durban and Pietermaritzburg all held similar assemblies.

AIIESEC

AIIESEC Rhodes had a very exciting year, a highlight of which was Annual Commerce Week. The discussion on the theme of The South African Economy in a Post-Apartheid Era received support from both students and academics. The Interview Training Technique (ITT) was re-established as a project this year and should continue to prove popular with AIIESEC members.

The establishment of an independent local committee at Rhodes East London has been a great achievement and committee members there have already started work on the Exchange Programme.

AIIESEC has maintained a close relationship with both the academic and administrative staff at Rhodes and regular meetings have proved to be an invaluable source of continuity and guidance during 1987.

Residences

Most houses are being carpeted which is just a part of the continuing programme of improving facilities in the various residences. Extensive renovations to John Kotze House were completed during the year, and Olive Schreiner House is undergoing a major facelift and will be out of the residential system for several months. Lilian Britten House will become a graduate residence next year.

Despite recent harsh weather conditions, much is being done to improve the grounds and gardens surrounding the residences.

There were no major changes in the rules and regulations governing residence life during the year, and the integration of students continues successfully.

All the Rhodes residences were in great demand again at festival time this year, and provided welcome accommodation to the many visitors who flocked to Grahamstown during the National Festival of the Arts.

Sports Union

Great strides have been made during the year towards forming one body responsible for Rhodes Sport and negotiating with the University and its support agencies for better facilities and a higher profile for sport.

Apart from the crop of excellent individual performances during the year, 1987 stands out as a year during which many clubs excelled.

The highlight of the season for the Rowing Club was the SA Championships at which the Rhodes team finished fourth in the Senior A Eights and won their first-ever national title, the Coxed Fours Championship.

The Women's Hockey Club had a winning season, finishing fourth at the SAU Tournament and fourth in the Eastern Province Premier League.

The Squash Club proved to be a force to be reckoned with, both at provincial level and at the SAU tournament.

Intervarsity wins against Natal and Wits were recorded by the Rugby Club and the First XV showed their determination and grit in an inspired victory over arch rivals, Albany, in the annual local derby.