

REPORT OF THE COUNCIL 1975



MONASH UNIVERSITY

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In accordance with section 41 of the *Monash University Act* 1958, as amended, I submit the annual Report of the Council of the University for 1975.

1. THE COUNCIL

The Council held twelve meetings in 1975. At the first of these I was appointed Chancellor for the remainder of the period of office of my predecessor, the late Sir Douglas Menzies, a position to which I was installed at the graduation ceremony on 9 April 1975.

A number of changes in membership has taken place during the year among which one must receive special mention. Under the changes to the Act referred to in the previous report, Mr E. J. Tippet ceased being a member appointed on the recommendation of technical schools outside the metropolitan area. He had in fact served from the inception of the Council in 1961 and, prior to that, had been a foundation member of the Interim Council. His concern for Monash was unbounded and the Council records its gratitude for his service and for that of Mr M. B. Brereton who had served since 1971 on the recommendation of technical schools within the metropolitan area and whose membership ceased also under the amendment of the Act.

New places created by the amendment, for members representing agricultural, professional, industrial and commercial interests, were filled by the Governor-in-Council by the appointment of Dr G. A. Knights and Mr J. W. Leslie for four-year periods, whilst Mr S. S. Nevile was appointed to fill the vacancy to July 1977 caused by the resignation, at the end of 1974, of Mr K. P. Palmer. Mr J. W. Wood was reappointed on the nomination of the Melbourne Trades Hall Council and, later in the year, the three parliamentary members, Mr R. C. Fordham, the Hon. S. R. McDonald and the Hon. G. J. Nicol, were also reappointed.

Other changes were effected by elections in the University as a result of resignations on the normal expiry of terms of office. The faculty of Arts elected Mr R. D. Rivett to fill the place made vacant by Dr U. Hoff's departure to London and Dr D. M. Churchill was elected by the faculty of Science in succession to Dr A. Walsh. The professors elected Professor S. R. Davis in succession to Professor K. C. Westfold and Professor P. G. Nash in succession to Professor D. H. Monro. The teaching staff other than professors elected Dr R. E. Melchers in succession to Dr P. le P. Darvall, and, at the end of the year when Associate Professor G. M. Kellerman resigned, elected Dr I. McCance to take his place from January 1976. As a result of elections by the students, Mr G. Almond serves in place of Mr N. P. Laidlaw and Mr P. J. Harman in succession to Mr J. Zeleznikow, whilst Mr A. M. Ray was elected to a new place created by the amendment to the Act. Finally, the Council has co-opted Professor D. E. Allan as a dean of faculty to take the place of Professor K. H. Hunt whose co-option ceased on his relinquishment of his deanship of Engineering.

The Council records its sincere appreciation of the contribution of all who have served but are no longer members.

At graduation ceremonies during the year, the following honorary degrees were conferred:

Doctor of Letters: Clement Byrne Christesen
Doctor of Engineering: Lawrence Percival Coombes
Doctor of Laws: Gordon Colvin Lindesay Clark
Doctor of Laws: Francis Gordon Lennox
Doctor of Laws: James Adam Louis Matheson

2. THE VICE-CHANCELLORSHIP

As recorded in last year's report, Dr J. A. L. Matheson announced to the Council at its meeting in November 1974, his intention to retire at the end of January 1976. 1975 has therefore been Dr Matheson's last full year as Vice-Chancellor and it is proper that this report should refer to this important fact.

Dr Matheson took up his appointment at Monash on 1 February 1960, and attended his first meeting of the Interim Council on 8 February; a month later the Interim Council approved the letting of the contract for the first building on the campus. The sixteen years of his vice-chancellorship have, therefore, seen the total physical development of the University from that early beginning to its virtual completion.

But a university is more than buildings and Dr Matheson has, with equal skill and devotion, presided over the gathering together of academic and other staff and the establishment of the administrative framework which enables the essential work of the university—teaching and research—to proceed.

At the same time he has been the spokesman of the University in its relations with the public and in all the Australian and world-wide committees and associations which form the network through which universities co-operate with one another and with other agencies in the performance of their work and in making their contribution to humanity at large.

The task to which the Interim Council invited Dr Matheson was more demanding than it then knew, and year by year in these annual reports to which he contributes for the last time in the pages that follow, it has been possible to glimpse something of the demands he has faced and the problems with which he has contended. The Council is glad that he takes with him as he leaves a sense of achievement—the knowledge that he has borne the brunt of establishing one of the first modern universities anywhere to be created not as a development out of a previous institution but completely *de novo*.

Dr and Mrs Matheson take with them into their retirement the gratitude of all who have profited from their labours and the affection of the many friends they have made in the course of this notable period of leadership and the Council is glad that the Louis Matheson Pipe Organ soon to be installed in the Robert Blackwood Hall will remind future generations of the achievements of this vice-chancellorship for many years to come.

In August 1975, the Council invited Professor J. Vaizey of Brunel University to succeed Dr Matheson but subsequently Professor Vaizey intimated that he did not propose to take up the appointment and the University accepted this position. The Council subsequently appointed Professor W. A. G. Scott, one of the Pro-Vice-Chancellors, as Vice-Chancellor of the University for the period 1 February 1976, to 31 January 1977, and the search to fill the vacancy on a more permanent basis is continuing.

3. REPORT OF THE VICE-CHANCELLOR, DR J. A. L. MATHESON,
C.M.G., M.B.E., PH.D.(BIRM.), HON.D.SC.(H.K.),
HON.LL.D.(MANC., MELB. & MONASH), F.I.STRUCT.E., F.I.C.E., F.I.E.AUST.

Following the death of our former Chancellor the Council was very pleased when the Hon. Sir Richard Eggleston accepted its invitation to become the third Chancellor. Sir Richard has had a distinguished legal career and retired recently from the Commonwealth Industrial Court and the Supreme Court of the Australian Capital Territory.

In his retirement he planned to write and to do some teaching in his own area of interest and, to this end, took up a special appointment in the faculty of Law at Monash. He hopes to continue this connection with our Law faculty as a consultant.

* * *

1975 was to have been the last year of the current triennium and the recommendations of the Sixth Report of the Universities Commission would have taken effect from 1976. However, as part of the economy campaign introduced by the Labor Government towards the end of its life, 1976 was declared a non-year with all development halted and recurrent funds held at approximately their previous values. No new building contracts are to be let and only limited funds are available to enable existing contracts to be completed.

In the short term we can count ourselves fortunate to be quite well-placed so far as building is concerned for several important projects have reached finality. Extensions to education, biological sciences, the science north building for geology and mathematics, and the Union are on the point of completion.

In the longer term all depends on whether the triennial system is restored and other buildings promised for 1976-78 materialize in 1977-79. Those most eagerly sought are the many-times-postponed engineering building 7 and the important developments urgently needed to allow the increased number of medical students to be accepted.

The idea of triennial budgeting is one that appeals strongly to educational administrators. When it was enjoyed only by the universities it was an envied privilege which first the colleges of advanced education and later the other beneficiaries of Commonwealth educational funds succeeded in obtaining for themselves. The result is that very large sums of money are now committed for three years ahead and this does not appeal at all to the Treasury. It will be a great relief if the triennial system survives and this will now fall to the new Government to decide.

The only serious disadvantage of the triennial system to the universities is that the first year of each new triennium is exceptionally busy: not only has the new building programme to be launched but development plans for the following triennium have to be formulated and condensed into a submission which has to reach the Universities Commission early in the second year. The third year, when the Government's reactions to the Commission's recommendations are expected, should be the one in which projects are proceeding towards completion. A halt at this stage, such as we have just experienced, is quite formidable but I suppose that we can regard it as very satisfactory that hard pressed Governments have not adopted such measures in the past.

From many points of view there would be advantages in having a rolling budget with the third year's figures being up-dated each year.

* * *

During the year the Academic Salaries Tribunal embarked upon a major review of the salaries of academics in tertiary institutions and this has brought to notice the serious situation which has developed. Ten years or so ago the Martin Com-

mittee attempted to distinguish between the roles of universities and the old senior technical colleges which it thought should be widened in scope and re-named colleges of advanced education. Institutes of colleges were to regulate the work of the C.A.E.s in each state and this led to the establishment of the V.I.C. in Victoria.

The decisions of the Wiltshire Committee and the Sweeney Committee led respectively to the C.A.E.s being permitted to develop degree courses (the degrees actually being awarded by the V.I.C.) and to the adoption of university salary scales for C.A.E. staffs who were performing work of university standard. Without now attempting to argue the merits of these decisions it can be asserted that the result has been to encourage the transformation of three-year diploma courses into four-year degree courses and, in consequence, to a blurring of the difference and distinction between colleges and universities. It can also be contended that there is now quite a marked over-provision of graduates and under-provision of diplomates in certain areas especially, perhaps, technology.

Whether these trends can be changed by appropriate decisions of the Salaries Tribunal is uncertain but the attention of the Tribunal has been drawn to the situation.

* * *

In my last report I described the state of play in the long-running serial which is concerned with the assessment of school leavers and their selection for and admission to tertiary institutions. It was thought a year ago that the State Government was ready to legislate to establish an Institute of Secondary Education which would take over the duties of V.U.S.E.B. It was hoped that by virtue of its wider membership V.I.S.E. would avoid the accusation of university domination which bedevils V.U.S.E.B. although everyone knew that the hard-liners in V.S.T.A. and elsewhere would not lightly give up their opposition to assessment in any shape or form.

In response to criticism that there had not been sufficiently wide consultation the minister delayed the introduction of the bill until a series of meetings had been held in which every conceivable point of view was aired. When the bill was finally published it appeared that the governing body of V.I.S.E. had been reduced from the very widely representative body of some sixty persons advocated by the Committee on Secondary Courses and Assessment to fifteen persons, undesignated as to affiliation, interest or experience, to be appointed by the Governor-in-Council. This admirable plan, which depended upon the community being ready to trust the minister of the day picking the right team, drew howls of protest from all sides and the minister thought it expedient not to push on with legislation.

It is believed that he now intends to set up the Council, perhaps under the title of Advisory Committee, in the hope that some progress will be possible when the membership is seen to be reasonable. In the meantime V.U.S.E.B. has to be kept going for at least another year in order to run the H.S.C. exam in 1977 for which, the V.S.T.A. says, its members will not prepare pupils. This segment of the Victorian educational system seems to me to be sliding gently into chaos.

* * *

Another difficult matter in the school-university area is the payment of school teachers for the supervision of the teaching practice of candidates for the Diploma of Education. Here again the division of responsibility and power between the four or five bodies involved has resulted in an impasse which threatens the viability of the whole system. The solution currently in vogue involves the acknowledgement by Victorian teachers that they will be expected to supervise twice as many students as previously for the same remuneration; this is in line with the position in other states.

* * *

The system of having full-time deans of faculties, which Monash enjoys, means that when a dean retires or leaves his successor is sought with anxious care. It so happens that Professors Westfold (Science) and Hunt (Engineering), having served as deans for many years, have decided to take up the chairs in their subject to which they are entitled. Professor Dunn (Education) has become full-time chairman of the committee which advises the Commonwealth on awards for research in Education. Professor Allan (Law) is approaching the end of his term of appointment and Professor Andrew (Medicine) will retire in a year's time.

Selection Committees are at work on all these appointments but so far only Professor Westfold's successor has been announced: he is Professor J. M. Swan who has just completed his term of office as Pro-Vice-Chancellor and did not want to continue in that position.

The other Pro-Vice-Chancellor, Professor W. A. G. Scott, has been appointed Vice-Chancellor for 1976, while Professors Westfold and West will serve as P.V.C.s for that year.

With my own retirement the University thus faces considerable changes in its senior staff and, no doubt, there is some apprehension about the continuity of policy. In fact, however, this is not really a matter for concern. The University has reached full size and its development, as originally planned, is virtually complete. The key problem is how to maintain the liveliness that has characterized Monash these last fifteen years now that further increases in size are virtually excluded. New developments can only be accommodated by curtailing some existing activities and this will require all the ingenuity and tact of the new men to accomplish in view of the fact that V.C.s, P.V.C.s and deans increasingly govern by consent.

I have now completed my last report and I should like to close by saying what an interesting and exciting experience it has been to share in the development of what has become, with unprecedented speed, a great and well-established university.

At the beginning of February 1960, the staff began to assemble in the Vice-Chancellor's house and, with high hopes and unbounded enthusiasm, set about the task of planning the academic programme, the administrative machinery and the buildings in which the operation was to be conducted. A year later 363 students enrolled for the first courses; in 1975 the total enrolment was 13,249.

Throughout this sixteen-year period of growth and development I have enjoyed the comradeship and friendship of an immense number of people and, I believe, the confidence and trust of the Council and of the Professorial Board. I am immensely grateful for having had the privilege of sharing in this great task, for the co-operation of all my friends and colleagues, and for the support of the Council.

I leave Monash with mixed feelings of pride and regret, sorry to be going but conscious that much has been accomplished that will long endure. My best wishes go to Professor Scott and all his colleagues who will carry on the Monash task into the future.

4. DEVELOPMENT OF SITE AND BUILDINGS

The following buildings were completed and taken into use during 1975: science north stage 2, extension to the Robert Menzies School of Humanities, science biology-zoology, education stage 2, child study centre extension, main library stage 3, sports field house, Union extension, non-collegiate student housing and extensions to administration and maintenance buildings.

The Krongold training centre will be in operation in April 1976.

Tenders for the new building for the Monash University club have been accepted and work will commence early in 1976.

The only capital building funds available in 1976 are for the medical school extension, the planning of which is well advanced. It is expected that tenders will be called in September 1976 and construction commenced in approximately November 1976.

In addition to the many smaller items of site works undertaken, the following larger items were completed: access road to physics extensions, reconstruction of forum, underground ducts for future P.M.G. cables connecting the university offices with the central science block and the humanities building, extension of service mains to the non-collegiate housing, landscaping and provision of footpaths for this area, and extension of pavement lighting to the non-collegiate housing. Tenders were called for the duplicating of the main boiler and for extensions to the main boiler house but this work was deferred because of a shortage of funds.

5. ADMINISTRATIVE MATTERS

Legislation

During 1975 Council made ten statutes and forty-nine new and amending regulations. This legislation includes regulations governing three new degrees of Master and five new diplomas introduced during the year. A substitute statute and regulations were made to specify more precisely the manner in which undergraduate students may be excluded for unsatisfactory academic progress and their rights to appeal.

University Publishing

During 1975 Council made ten statutes and forty-nine new and amending regulations. The format had served the University well for thirteen years but the continued growth in size of all the books, coupled with constantly rising costs, had made a review necessary. After careful research a larger page size and new type style were agreed upon and the result has won wide acceptance. The publications now consist of fewer pages, are easier to refer to and handle, and have resulted in substantial cost savings.

The academic publishing programme continued its steady development during 1975 and the foundations of this essential University function were further strengthened.

Six books by staff members appeared during the year thanks to support provided by the Publications Committee. They included the third in the series for the Centre of Southeast Asian Studies, and a book of verse which, as an imaginative work, created a precedent for the committee.

Significant support was again provided for the University's academic journals.

Safety

The '3333' emergency service has continued to prove its worth, in conjunction with the emergency vehicle and with the voluntary assistance of central services staff. Additional equipment has been added to the vehicle to improve its efficacy and a two-way radio is being installed to extend communication range to some twenty miles, which covers most hospitals.

Emergency signs have been installed in some ten buildings which came into use during the year. Demonstrations and lectures on safety and fire fighting and first aid have continued with departments. Affiliation with the Dandenong and District Safety Group and the National Safety Council continues. Modifications to many balustrades have been made to overcome hazards to children now that the University is being used by more members of the public. Viewing windows have been fitted

in many doors to prevent collision with people, and emergency lighting has been installed in lifts previously without it. Halls of Residence 'General Fire Instructions' have been reviewed and re-issued.

Fourteen departments use the radiation film badge service and nine users were monitored by dosimeters worn on the fingers. Thyroid monitoring for users of radioactive iodine was introduced. No dangerous incidents have been recorded.

The radioactive waste store was completed and is now in use. Teaching in safe use of radioactive materials has continued, and the radiation protection officer attended conferences organized by the Australian Radiation Protection Society and the Australian Institute of Nuclear Science and Engineering.

Monash Associations Liaison Committee

For a number of years, the Monash Associations Liaison Committee has assisted the efforts of individual associations interested in and working for the University. During 1975 it helped in organizing a successful art show arranged by the parents' group and several other functions.

Now that these activities and their sponsoring associations are becoming well established, the need for the liaison committee has diminished and responsibility for its remaining functions has now been distributed to other sections within the Vice-Chancellor's department.

6. STAFF APPOINTMENTS

The University's recruitment of teaching staff in 1975 was not as active as in recent years; once again use was made of short-term appointments, though to a lesser degree than in 1974.

The total full-time academic staff numbered 831 at 31 December 1975, an increase of 7 over the corresponding 1974 figure. The 121 appointments and 114 resignations were considerably lower than in 1974.

Full-time Academic Staff (as at 31 December 1975)

	Arts	Ecops	Educ'n	Eng'ng	Law	Medicine	Science	Total
Deans	1	1	1*	1	1	1	1	7
†Professors	21 (2)	11 (5)	6	8	5 (1)	17 (2)	19	87 (10)
Readers	6 (1)	5	1	2	1	7	20	42 (1)
Associate Professors	11	5	4	11	3	8	5	47
Senior Lecturers	70 (1)	23 (2)	16 (6)	35 (1)	17 (1)	46	59 (4)	266 (15)
Lecturers	52 (6)	25 (7)	23 (3)	18 (2)	14	25 (4)	44 (6)	201 (28)
Principal Tutors	7	2	1	—	—	1	1	12
Senior Tutors	—	—	—	—	—	—	—	—
— with tenure	6	—	1	—	2	—	1	10
Senior Tutors	21 (3)	9 (3)	7 (3)	9 (3)	4	31 (14)	19 (6)	100 (32)
Tutors	14 (10)	24 (11)	1	—	7 (1)	2 (3)	11 (10)	59 (35)
Total	209 (23)	105 (28)	61 (12)	84 (6)	54 (3)	138 (23)	180 (26)	831 (121)

*Acting Dean.

† Includes Visiting Professors.

The numbers in brackets indicate those who took up their first appointments at Monash in 1975.

Full-time academic staff who left Monash during 1975 to take up other appointments, or at the end of visiting appointments are:

Professors	8
Visiting Professors	6
Readers	2
Associate Professors	3
Senior Lecturers	21
Lecturers	14
Principal Tutors	—
Senior Tutors with tenure	1
Senior Tutors	35
Tutors	24
Total	114

During the year Professor S. S. Dunn resigned his appointment as dean of the faculty of Education but still retaining his chair in the faculty, and Professors Hunt and Westfold resigned as deans of the faculty of Engineering and the faculty of Science respectively on 31 December 1975; both reverted to chair appointments but Professor Westfold was seconded as Pro-Vice-Chancellor during 1976. Professor J. M. Swan, formerly Pro-Vice-Chancellor, was appointed dean of the faculty of Science from 1 January 1976, and Professor B. O. West (Chemistry) was appointed Pro-Vice-Chancellor from 1 February 1976, to 31 January 1977. An unusually high number of professors resigned during the year. Professor I. P. Barko was appointed to the McCaughey Chair of French in Sydney University, Professor J. W. Bennett (accounting) left to take a senior business appointment, Professor J. S. Maritz (Mathematical Statistics) joined C.S.I.R.O., Professor I. A. McDougall (Economics) went to the Economic and Social Commission for Asia and the Pacific, Professor R. H. T. Smith (Geography) returned to Canada to take up a chair in the University of British Columbia, Professor B. S. Hetzel (Social and Preventive Medicine) was appointed head of the Division of Human Nutrition, C.S.I.R.O., Professor A. A. L. Powell (Econometrics) went to the I.A.C. but retains a part-time connection with the University and Professor J. McK. Watts (Surgery) was appointed to the foundation chair of Surgery at Flinders University. Professor H. Feith resigned his chair in Politics and reverted to a readership.

Two rotating university visiting professorships were filled during 1975 and a number of other scholars was accorded the title while at Monash on visiting appointments.

Of the full-time academic staff who took up appointment during the year, 70 (of whom 64 had taken their first degree in Australia) were recruited from Australia and 47 (of whom 10 had taken their first degree in Australia) were recruited from overseas.

The following professors took up appointments during 1975:

Professor A. L. A. Boura, B.Sc., Ph.D.(Lond.) *Pharmacology*

Professor N. E. Carson, M.B., B.S.(Melb.), M.R.A.C.P., F.R.A.C.G.P. *Community Practice*

Professor H. V. Emy, B.A., Ph.D.(Lond.) *Politics*

Professor W. H. Melbourne, B.E.(Syd.), Ph.D.(Lond.), D.I.C. *Fluid Mechanics*

Professor J. P. Whyte, B.A.(Adel.), A.M.(Chic.), F.L.A.A. *Librarianship*

The following professors were appointed, but will not take up duty until 1976:

Professor L. A. Endersbee, M.E.(Melb.), F.I.E.Aust., F.A.S.C.E. *Dean of Engineering*

Professor J. M. Cullen, M.A., D.Phil.(Oxon.) *Zoology*

Professor V. C. Marshall, M.B., B.S.(Melb.), F.R.A.C.S., F.A.C.S. *Surgery*
 Professor R. R. Officer, B.Agr.Sc.(Melb.), M.Sc.Ag.(N.E.), M.B.A., Ph.D.(Chic.)
Accounting and Finance

Professor M. G. Porter, B.Ec.(Adel.), M.A., Ph.D.(Stan.) *Economics*

Eight research fellowships and thirty full-time research posts at more junior levels were filled during 1975.

There was an increase of two in 1975 in the total number of administrative and support staff. The distribution is shown in the following table:

	Admin.	Data Processing	Managerial	Special	Total
Faculty and Teaching	22	2	21	33	78
Central Administration	83	7	—	6	96
Computer Centre	1	11	—	1	13
Library	2	2	—	—	4
Ancillary Areas (including Halls of Residence and Bookshop)	19	—	10	4	33
TOTAL	127	22	31	44	224

In the University Library, graduates and other staff with formal qualifications totalled 64 as compared with 62 in 1974.

Total full-time staff of the University at 31 December 1975 was 2,627 compared with 2,706 in 1974.

The University records with regret the deaths in 1975 of Dr D. B. Heron, Deputy Academic Registrar, Dr I. G. S. Alexander, lecturer in Anatomy, Mr W. H. Rintoul, administrative assistant in Engineering, Mrs W. Rogers, secretary in the finance development office, Mr J. W. Kerr, cleaner, Mr L. A. van de Velde, senior technical officer, and Mr B. O. Petersen, glassblower.

7. ACADEMIC DEVELOPMENTS

The following degrees and diplomas were conferred by the University at graduation ceremonies in 1975, the final column indicating the total number of degrees and diplomas awarded since the foundation of the University.

	Male	Female	1975 Total	1961-75 Total
Bachelor of Arts	157	368	525	4,448
Bachelor of Arts with Honours	50	63	113	738
Master of Arts	10	5	15	139
Bachelor of Economics	262	71	333	2,404
Bachelor of Economics with Honours	22	5	27	298
Master of Administration	37	1	38	107
Master of Economics	10	2	12	70
Bachelor of Education	122	40	162	624
Master of Education	23	8	31	59
Bachelor of Engineering	98	1	99	482
Bachelor of Engineering with Honours	85	2	87	588

	<i>Male</i>	<i>Female</i>	<i>1975 Total</i>	<i>1961-75 Total</i>
Master of Engineering Science	11	—	11	94
Bachelor of Jurisprudence	69	13	82	678
Bachelor of Laws	103	15	118	637
Bachelor of Laws with Honours	8	2	10	63
Master of Laws	7	1	8	15
Bachelor of Medical Science	—	—	—	11
Bachelor of Medical Science with Honours	7	1	8	95
M.B., B.S.	93	26	119	881
M.B., B.S. (Hons.)	24	7	31	239
Bachelor of Science	173	121	294	1,593
Bachelor of Science with Honours	81	65	146	959
Master of Science	11	1	12	150
Doctor of Philosophy	54	9	63	579
Doctor of Medicine	1	—	1	11
Doctor of Science	1	—	1	4
TOTAL DEGREES	1,519	827	2,346	15,966
Diploma in Education	208	294	502	3,535
Diploma in Microbiology	2	—	2	3

1974 Annual Examination Pass Rates

The total University first year pass rate continues to average over 80 per cent. This compares with a figure of below 60 per cent in 1964. It is expected in the future that there will be no marked change to the overall figure, although there may be wider fluctuations of pass rates within individual faculties due to changes in courses, both in content and structure, and variations in methods of assessment.

PASS RATES

(for first year full-time students)

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
<i>Group (a)</i>											
Arts	70	67	74	80	77	78	80	83	85	87	88
Economics and Politics	70	77	85	83	76	76	88	81	87	85	80
Law	71	76	72	80	72	80	82	79	88	92	94
Science	78	88	89	90	86	89	90	89	87	84	87
<i>Group (b)</i>											
Diploma in Education	88	90	90	89	92	92	92	96	97	95	95
Engineering	70	70	84	74	75	84	88	82	76	64	64
Medicine	84	89	91	97	96	99	96	98	98	95	90

Note: For the purpose of this table, students are regarded as having passed in—

Group (a) if they have passed more than half the subjects or units taken, except that those taking three subjects are regarded as having passed the year only if they have passed all three subjects; and

Group (b) if they passed all subjects or failed in one or two subjects but were granted passes in the year as a whole and continued into the next year of the course.

FACULTY OF ARTS

Dean: Professor G. R. Manton, M.A. (Cantab.)

Students

Undergraduate enrolments in 1975 were about 5 per cent higher than in 1974. There was a slight increase in the proportion of full-time students which now stands at 75 per cent of the total. In the first year, of a total of 993 new students,

about 60 per cent were admitted on the basis of the Victorian higher school certificate qualification obtained on a full-time basis at a Victorian secondary school during the previous six years and who had no other tertiary educational experience. This proportion has decreased over the past four years. Among the other new students there has been a continuation of the trend towards the admission of more mature students.

Staff

Two senior members of staff left during 1975 to take up chairs elsewhere. In July, Professor R. H. T. Smith, after three years as professor of Geography, left to take over the chairmanship of the department of Geography at the University of British Columbia in Vancouver, and in December Professor I. P. Barko, after eight years as professor of French, went to the McCaughey Chair of French in the University of Sydney. Dr G. Serle, reader in History, has from July 1975 been seconded on a half-time basis to the Australian National University to become joint general editor of the *Australian Dictionary of Biography*. There has been one promotion to an associate professorship, that of Dr J. S. Whitelaw, senior lecturer in Geography.

Curriculum

The department of Visual Arts took its first students in 1975 and teaching was offered for the first time in social work within the department of Anthropology and Sociology. Social Work will become a separate department in 1976.

Following a decision made at the end of 1974, the faculty board revised its regulations for the honours degree. The aim of the revised regulations, which come into force in 1976, is to meet the needs of certain departments to admit to the fourth and final honours year students who develop specialized interests and abilities late and have not previously been formally enrolled for honours work, while at the same time allowing other departments, especially those teaching subjects which are continued from school, to enrol students in their honours schools in second and third years. It is hoped that the new framework will meet the wide variety of departmental demands within the faculty.

The need for undergraduates, especially in modern language departments, to carry out a part of their study in a country where the language is spoken has long been recognized in British and American universities. The department of Japanese has for some years had a centre in Tokyo where honours students are encouraged to spend the first six months of their final year and in 1975 a group of final year German honours students spent some months taking university courses in two German universities. There are obviously other fields of study besides languages in which provision of this kind, at the undergraduate as well as the graduate level, is needed.

Graduate Studies

The Graduate School of Librarianship was established during the year and plans in 1976 to admit about 25 graduates with professional qualifications and experience as candidates for the Master's degree in Librarianship.

For some time the need has been felt in the faculty for graduate course work which would encourage further study at an advanced level without a specific orientation towards research. To meet this need, a number of diploma courses has now been instituted to be completed full-time in one year or part-time in up to three years. From 1976, these are being offered in French, German, General and Comparative Literature, Japanese Studies, Linguistics, Migrant Studies, Russian and Spanish.

During the year the requirements for the M.A. were completed by fifteen students and those for the Ph.D. by thirteen students enrolled in departments within the faculty.

Staff-Student Relations

In 1974 the faculty board agreed to the establishment of a student-staff council, consisting of two students and two members of staff from each department together with the four student representatives on the board. The main function of the council was to arrange at least once a term a forum open to all students and staff in the faculty to discuss matters of concern to the faculty. During 1975 the council met four times. The constitution of the council has been amended so that the distinction between council and forum is dropped and meetings of the council are normally open meetings which may be attended by staff and students of the faculty and students enrolled in any unit taught by the faculty. During the year the main subject under discussion was the question of assessment.

Visitors

All departments in the faculty received visitors from other universities in Australia and overseas during the year and they were invited to give an undergraduate lecture, a research seminar or a public lecture.

The English department was host to a writer in residence, Dorothy Hewett, for a period of about nine weeks.

Accommodation

By the beginning of the teaching year the move into the new south wing had been completed, and although some minor faults still remain to be corrected full use is being made of the new accommodation. Apart from relieving the very overcrowded conditions, which had become increasingly serious in most departments of the faculty, the new wing with its more flexible interior layout has provided certain departments with special advantages. Music has its own auditorium and recording studio with special laboratories, Visual Arts an exhibition gallery, a studio, and a tutorial workshop and dark room, Classical Studies a museum, and Linguistics a phonetics laboratory and workshop. The Centre of Southeast Asian Studies has a recognizable physical identity. The Language Centre (previously Language Services) and the department of Geography have laboratories and workshops built to their own designs, and on the ground floor the faculty has at its disposal a large assembly room, divisible into two by a movable partition, which has proved especially useful for enrolment of students and has been used for meetings and conferences throughout the year.

FACULTY OF ECONOMICS AND POLITICS

Dean: Professor D. Cochrane, C.B.E., B.Com (Melb.), Ph.D. (Cantab.)

Students

Total enrolment in the courses taught by the faculty increased from 2,082 in 1974 to 2,273 in 1975. Undergraduate numbers increased from 1,849 to 2,048 but there was a slight decrease in graduate enrolments from 233 in 1974 to 225 in 1975.

The upward trend observed in previous years in the number of combined B.Ec./LL.B. students continued in 1975. The total number of such students enrolled in 1975 was 435 compared with 371 in 1974 and 277 in 1973. Total E.F.T.S. for the faculty increased by almost 200 to 2,242. Total enrolments in the Master of Administration course increased from 155 to 164 but there was a sharp decline in the number of Master of Economics students from 69 to 48 in 1975. The faculty is currently examining the structure and content of the Master of Economics course by course work and minor thesis to ascertain if the course can be made more attractive to students. Similarly, the number of students enrolled for the fourth year honours courses in the faculty remained constant in 1975 at 33. Prior to 1974, enrolments in

the fourth year honours course usually numbered over 50 each year and the decline in the last two years is causing great concern in the faculty.

The faculty has experienced a sharp increase in the number of students deferring their place in the course and obtaining leave of absence for twelve months during the course. The statistics are as follows:

	1972	1973	1974	1975
Deferred places	21	43	65	91
Leave of absence	52	83	116	123

It is thought that the increase in the number of students obtaining leave of absence, in particular, is due to the abolition of university fees and this continued increase is posing some difficulties for the faculty in achieving the E.F.T.S. numbers for the Universities Commission.

Staff

New appointments to staff during the year included Professor H. V. Emy, formerly senior lecturer, to a chair in the department of Politics and Professor R. R. Officer to the chair in Accounting and Finance vacated by Professor J. W. Bennett. Other appointments were Dr P. D. Dixon and Dr G. L. Watson to senior lectureships (the former part-time) in Economics and Marketing respectively and the following to lectureships in the various departments: Dr D. Lim, Dr R. R. Rice, Dr G. J. Ryland, Dr T. K. Sarkar, Mr E. J. Vaughan and Mr M. J. Watts.

In addition to the resignation of Professor J. W. Bennett, who left to enter industry, Professor I. A. McDougall resigned to take up an appointment with the U.N. Economic and Social Commission for Asia and the Pacific and Professor R. Williams to take up full-time duties in the University of Melbourne, whilst Dr, formerly Professor H. Feith, resumed his readership in the department of Politics. Other resignations included Dr M. Bowman, Dr G. P. Sampson and Mr R. Vogt.

Curriculum Matters

In the department of Administrative Studies several changes in courses were made as a result of a curriculum review in 1974. Planning began to strengthen the courses in the field of health administration. The department of Economics ran a course in social economics for the department of Sociology and another in environmental economics for the Master of Environmental Science degree.

324 candidates graduated with the degree of Bachelor of Economics including 24 honours graduates. There were 6 Master of Economics graduates and 33 graduates for the degree of Master of Administration.

Public Lecture and Seminars

The ninth Monash Economics Lecture was given in the Alexander Theatre by Mr R. H. Carnegie, chairman, Conzinc Riotinto of Australia Limited, on Monday 8 September 1975. Mr Carnegie's paper was entitled 'Does the Rush End?'

As in previous years, the department of Administrative Studies conducted a seminar course on physical distribution in February which was attended by twenty-three executives from industry and government.

In September, the department of Accounting and Finance was host to a three-day conference of the Accounting Association of Australia and New Zealand which was attended by 150 academics from Australasia and the U.S.A.

The demands on the staff for attendance and reading of papers at conferences, as members and consultants of commissions and societies and as lecturers in their special fields continues.

Visitors

Among the visitors to the faculty during 1975, many contributed to teaching in the departments and participated in the large number of graduate student seminars.

Faculty Library

Alterations and remodelling of the first floor of the east wing of the humanities building for occupation by the faculty library took place in the first half of the year and the result has been most successful in allowing needed space for expansion, greatly improved study facilities and much more satisfactory working conditions for the library staff.

The aim of the library must be for increased usage, not only of the improved facilities, but more importantly of the holding of research material currently maintained. To assist in this, staffing was restructured during the year to be more relevant to current work requirements and anticipated demands.

FACULTY OF EDUCATION

Dean (January to June): Professor S. S. Dunn, B.A., Dip.Ed.(Adel.), B.Ed.(Melb.), F.A.Ps.S., F.A.C.E., F.A.S.S.A. Acting Dean (July to December): Professor P. W. Musgrave, M.A., Cert.Ed.(Cantab.), Ph.D.(Lond.), F.A.S.S.A.

Students

The numbers enrolled in the faculty and the main directions of teaching can be seen from the following student numbers.

Diploma in Education, full-time	449
Diploma in Education, part-time	152
Bachelor of Special Education	68
Bachelor of Education	573
Master of Education, course work	152
Master of Education, thesis	120
Doctor of Philosophy	38

There are two main and contradictory pressures at work on enrolments at the moment. First, there is a continuing strong demand for places for the Diploma in Education from graduates who wish to become qualified teachers. Second, there is a growing demand for places at master's and doctoral level from serving teachers and staff in tertiary institutions. There are signs that the first source of demand may lessen over the next few years as the shortage of teachers in the schools is overcome; this will enable the faculty to satisfy the second demand which lies in an area in which we have special expertise. There is a growing interest in postgraduate studies in education among honours graduates of other faculties who do not possess teacher qualifications. However, the present intention is to maintain our present strong interest in the field of initial teacher training, while increasing the number of places for higher degree students. The increase will be offset by a declining demand for places in the postgraduate Bachelor of Education degree.

The first twenty-five students completed the course for Bachelor of Special Education at the end of 1975 and the success of this course was demonstrated by the very large demand for enrolment in this course for next year.

Staff

Since the faculty is now almost at its planned maximum size, the rate of recruitment of new staff has considerably diminished. However, one area in the faculty has still been growing in 1975, namely that dealing with special education, and during 1976 the appointment of a further two members of staff should bring it to its full complement.

Some additional staff will be appointed early in 1976 and the policy of the faculty is to try to concentrate future appointments in areas of apparent educational need. Thus, it is hoped, staff will in the near future be appointed to deal particularly with the areas of migrant education, technical and further education and secondary literacy.

In July, Professor S. S. Dunn, dean since 1971, took up full-time appointment as chairman of the Australian Advisory Committee on Research and Development in Education, and in December Dr R. C. King, senior lecturer in educational administration, left to take up the foundation chair of education at the University of Wollongong. During the year Dr P. L. Gardner was promoted to a readership, and Dr L. D. Mackay to an associate professorship.

Curriculum

Courses in this faculty, especially for the Diploma in Education, rarely remain unchanged from year to year. In the Diploma in Education course much experimentation, both in methods used and in content, has occurred. The general direction of change, both in answer to the request of students and because of the judgement of staff about how best to work, is marked by two characteristics; a movement towards more choice and an attempt to put more emphasis on practicality. In connection with the latter point, students have suggested that a major change in the organization of teaching practice should occur in 1976 since the first practice will be on the basis of two days per week in school and three days in the faculty. The implementation of this new programme may be complicated by the problem of paying supervisory teachers implicit in new modes of overall financing by the Universities Commission.

Curricular changes in courses at the bachelor's and master's levels come from two main sources. First, there are changes largely hidden within courses with the same titles as before; these are due to increments to the total stock of knowledge. Second, there are also new courses, introduced either to meet students' needs or to initiate changes believed desirable by the faculty in the world of education. Courses in Education Counselling, Free Schooling and Cross-cultural Perspectives in Education were examples in 1975.

The regulations for the Diploma in Educational Psychology were officially adopted; this course is aimed to give professional training at the legally approved standard to educational psychologists, an occupation in which there is a great shortage of adequately trained persons.

Professional and Public Service

Members of staff continue to serve on the councils of S.C.V. colleges, take part in the accreditation of courses for both the S.C.V. and the V.I.C., and do much consultancy work for the Education Departments of this and of other states. In addition many are actively involved in the affairs of subject associations or other activities relating to teaching in schools at both national and state level. These activities, though immensely time consuming, have a double benefit to the faculty in that members of staff to some extent influence the direction in which educational change is moving and also keep themselves informed of what is happening 'at the chalk face.'

The faculty organized a series of public lectures on Women in Education; lectures were given by a faculty staff member and visiting lecturers, both local and interstate, and attracted an average attendance of about 100.

Visitors

A large number of visitors spent time in the faculty during the year and many made contributions, some major contributions, to teaching.

Accommodation

The major additions to the main building were completed in November, unfortunately too late for use in the academic year. In addition, work is now well advanced on the Krongold centre, the large laboratory clinic for special education made possible by the donation of Dinah and Henry Krongold.

FACULTY OF ENGINEERING

Dean: Professor K. H. Hunt, M.A.(Oxon.), M.Mech.E.(Melb.), F.I.Mech.E., F.I.E.Aust.

Students

The number of students enrolled in first year was 333 (345 in 1974). The overall undergraduate enrolment of 988 fell much below the figure of 1,112 (in 1974). This fall-off represents the effects of lower 1974 pass-rates and higher exclusion rates at the ends of first, second, and third years, factors which themselves reflect the lower average standard of students admitted in the last two or three years. 135 students were enrolled for higher degrees (141 in 1974).

Staff

Appointments during the year included Professor W. H. Melbourne, formerly senior lecturer, who accepted the chair of Fluid Mechanics vacated by Dr R. G. Barden in 1974, Dr K. W. Bennett and Dr D. J. Wilcox as senior lecturers in the department of Electrical Engineering and Dr I. W. Johnston as lecturer in soil engineering. Dr W. J. Bonwick and Dr P. Grundy were promoted to associate professorships in the departments of Electrical Engineering and Civil Engineering respectively. Professor K. H. Hunt relinquished his deanship of the faculty in December at the end of fifteen years of office and has taken a chair of Mechanism in the University. Resignations during the year included Dr G. Arndt, Dr J. M. Badcock, Mr E. Fichter, Dr R. E. Greenwood and Dr P. J. Parr.

Curriculum

During 1975 the professors of the faculty undertook a prolonged study of the first year course structure, which, though as yet inconclusive, has raised many important issues that need to be followed up in 1976. The effects of discussions about higher degrees (including master's degrees of a 'professional' type and by course work) should bear fruit in 1976. One diploma course (Polymer Engineering) was approved, probably the first of a series to be instituted. Cut-backs in staff (arising from the general 1975 economies) meant greater difficulties in mounting continuing education courses, even though the importance of these is recognized right across the faculty.

The subject Engineering Practices was introduced into the second year curriculum for Mechanical Engineering and the fourth year honours subject Materials Engineering Science was offered in the faculty of Science as a result of co-operation between the departments of Materials Engineering and Physics.

Graduate Studies, Research and Professional Service

As in previous years, research in all departments covered a wide field. A large number of colloquia, papers and research reports was presented and published and the work continued to attract support from outside sources. Staff continued to be considerably engaged in consulting activities and with learned societies.

In August and September the dean was in Britain as general lecturer at the Fourth World Congress on the Theory of Mechanics and Mechanisms. Staff from all departments attended and presented papers at conferences, and consulting work undertaken included public transport development for the Commonwealth Bureau of Roads, soil and rock testing for the M.M.B.W. Sugarloaf reservoir, projects relating to Darwin reconstruction, the Comalco (Gladstone) smelter project, the acoustics of the Melbourne underground rail loop and a new lead-drossing process in conjunction with Broken Hill Associated Smelters staff.

Among activities arranged for, or in co-operation with, other bodies mention may be made of the following: two workshops for practising engineers and hydrologists arranged by the water resources group, weekly seminars of the transport and plan-

ning group held jointly with the Melbourne University transport group, and I.R.E.E. seminar on digital integrated circuits, a four-day workshop in corrosion engineering and an intensive course for professionals, arranged jointly with the University of Sydney, on structural and environmental effects of wind on buildings and structures.

Visitors

Once again, a great many academic visitors both from within Australia and from elsewhere spent periods in the faculty during the year and assisted in its work.

Accommodation

A highlight of the year was the naming of the Jack Wilson High Voltage Laboratory in honour of one who had shown great kindness to the department of Electrical Engineering.

The further, and continued, deferment of building 7, while philosophically accepted by the faculty for the time being, is, none the less, viewed with growing alarm.

FACULTY OF LAW

Dean: Professor D. E. Allan, M.A.(Cantab.), Barrister-at-Law (Middle Temple, N.Z. and Vic.), Barrister and Solicitor (Tas.)

Students

Enrolments in the faculty in 1975 were as follows:

	<i>Full-time</i>	<i>Part-time</i>	<i>Total</i>
B.Juris./LL.B.	453	105	558
B.A./LL.B.	289	9	298
B.Ec./LL.B.	418	17	435
B.Sc./LL.B.	70	1	71
	<hr/> 1,230	<hr/> 132	<hr/> 1,362
LL.M. by thesis	1	15	16
LL.M. by course work	7	88	95
Ph.D.	5	3	8
	<hr/> 13	<hr/> 106	<hr/> 119
Not for degree	2	40	42

Curriculum

It was possible to maintain in 1975 the small group teaching in the first year introductory course Legal Process. Reports on this teaching continued to be extremely good but unfortunately, in order to maintain this standard in first year, financial stringency forced us to reduce teaching in subsequent years by reducing the tutorial programme and our students suffered from the lack of small group teaching in their first encounter with a number of highly conceptualized subjects.

A number of new optional subjects was introduced into the fourth and fifth year of the LL.B., including Law in Papua New Guinea, as was also the first attempt at clinical legal education within the LL.B. programme in the form of a Professional Practice course. Reports on the course indicate that it has been an interesting and successful experiment which will be repeated in 1976.

In the LL.M. by course work several new subjects were offered: Banking Law, Comparative Family Law, two courses in Japanese Law and a course on Theories of Justice. The graduate programme has been extremely well supported and can now be regarded as firmly established.

The biggest problem in the terms of curriculum continues to be the adjustment from the semester system to the three term system. In terms of flexibility of curriculum planning and teaching methods, the semester system suited legal education very well and after careful examination by both staff and students, it has been decided that it should not be abandoned entirely. From 1976 onwards, the law school will operate on a three term calendar but for the fourth and fifth year courses and for the graduate programme which will continue on a semester basis, each semester will have the University term vacation in the middle of it. This is not the most satisfactory way of running a semester system, but the opinion of the Law faculty is that it is better than complete abandonment of it.

Professional and Public Service

The *Monash University Law Review* has now produced its third issue and is maintaining an extremely high standard. It is interesting to note that the Society of Public Teachers of Law in the U.K. has included this review as one of the two Australian law reviews in its recommended list of compulsory holdings for all U.K. law libraries. The editorial staff of the *Review*, staff and students, have earned congratulations on this achievement. It is hoped that the essential financial support for the *Law Review* from the Victoria Law Foundation will be able to continue.

The law school has continued to maintain a programme of continuing education for the legal profession. A series of lectures has been conducted in conjunction with the Law Institute on aspects of the Trade Practices Act. A weekend conference on industrial law was held. It was extremely pleasing to be able to hold in Australia for the first time a meeting of the International Society on Family Law whilst Dr Olive Stone of the London School of Economics was advisor to the faculty. Dr Stone is the president of the Society and a number of office bearers past and present come from Australian law schools. A dinner and an evening seminar were held to discuss the operation of the new Family Law Act.

Visitors

The law school, as usual, had a number of visitors for both short and long periods. They gave lectures and seminars and, in some cases, helped to introduce new courses. The faculty is much indebted to them.

Law Library

The law library has continued to expand and to provide a first rate service for staff and students alike in the law school. It is also encouraging to see increasing use of the library by legal practitioners. This is a service that is rendered to the legal profession, and which also is a condition of the Victoria Law Foundation support for the library. An interesting development is the building up of a holding of European Communities materials which should play an important role in making the University a centre for studies of community law.

Plans are in hand to compile and distribute a list of Australian libraries which hold the various series of law reports. A similar listing of the location of legal periodicals has already been completed and has been well received.

FACULTY OF MEDICINE

Dean: Professor R. R. Andrew, M.B., B.S.(Melb.), F.R.C.P., F.R.A.C.P.

Students

There are 940 medical students distributed as follows: year 1, 165; year 2, 165; year 3, 165; year 4, 153; year 5, 134; year 6, 149. B.Med.Sc. 9.

Female entrants comprised 43 per cent, as against 47 per cent in 1974. (1973 was 27 per cent.)

Staff

There are 149 academic staff full-time, and 35 part-time.

The following table shows staff and student equivalents with the student/staff ratios:

	<i>E.F.T.S</i>	<i>E.A.S.</i>	<i>Student-Staff Ratio</i>		
			<i>Campus</i>	<i>Downtown</i>	<i>Faculty</i>
1971	1,249	173	9.9	5.5	7.2
1972	1,298	166	9.6	6.2	7.8
1973	1,388	177	9.6	6.2	7.8
1974	1,521	189	9.6	6.7	8.1
1975	1,501	194	9.5	6.2	7.8

The E.F.T.S. includes those from the faculty of Science, nearly all of whom are in the departments of Biochemistry, Physiology and Microbiology. Of the 1,501 E.F.T.S., 551 are from the faculty of Science.

Professor B. S. Hetzel, foundation professor of Social and Preventive Medicine, resigned at the end of the year to become the first chief of the newly created C.S.I.R.O. Division of Human Nutrition in Adelaide.

Professor J. McK. Watts, professor of surgery (Prince Henry's Hospital) resigned during the year to become foundation professor of Surgery at the new medical school, Flinders University. Mr V. C. Marshall, first assistant, department of Surgery, University of Melbourne (Royal Melbourne Hospital) was appointed his successor.

Professor Paul Korner, newly appointed director of the Baker Medical Research Institute, was given a personal chair in the department of Medicine.

Professor A. L. A. Boura was appointed to the foundation chair of Pharmacology and Professor N. E. Carson to the chair of Community Practice within the department of Social and Preventive Medicine.

Associate Professor G. M. Kellerman resigned to take an appointment as foundation professor of Biochemistry at the new medical school, University of Newcastle, and Associate Professor E. Guli similarly resigned to become director of Pathology, Queen Victoria Hospital.

Professor E. S. R. Hughes, who has been elected president of the Royal Australasian College of Surgeons, was created a Commander of the Most Excellent Order of the British Empire.

The dean, Professor R. R. Andrew, was elected chairman of the Australian-American Educational Foundation for the sixth year in succession.

Dr R. F. McK. Southby was seconded for six months as acting commissioner, Hospitals and Health Services Commission, A.C.T.

Curriculum

Throughout the year the standing committee on education has received reports from its six working parties. A consolidated report will be presented to the faculty board early in 1976. In the meantime the faculty board has approved a recommendation of the standing committee that there should be no reduction in the duration of the present six year medical course.

A new degree, Master of Psychological Medicine, has been approved by Council. A new Diploma in Applied Immunology has also been approved and is offered by the department of Pathology and Immunology.

Following proposals to all medical schools by the Universities Commission, the University has submitted for an earmarked grant to support a new department of Clinical Pharmacology.

The subjects, including options, taken by the 159 in first year who sat for the examinations were: Behavioural Sciences 181, 159; Biology 181, 159; Chemistry

181, 159. Fourth subject: Mathematical Methods 101, 19; Mathematical Methods 103, 59; Physics 103, 23; Philosophy, 22; Indonesian and Malay 4; English, 9; German, 1; French, 3; History, 3; Politics, 9; Latin, 1; Japanese, 2; Visual Arts, 3; Psychology, 1.

The following table shows a high pass rate and at fairly steady levels over the quinquennium:

<i>Year</i>	<i>1970</i>	<i>1971</i>	<i>1972</i>	<i>1973</i>	<i>1974</i>
<i>1st</i>	99	96	98	98	93
<i>2nd</i>	95	90	91	89	85
<i>3rd</i>	90	85	90	88	88
<i>4th</i>	99	96	97	93	92
<i>5th</i>	99	97	99	100	100
<i>6th</i>	99	98	98	96	97

Accommodation and Clinical Resources

Southern Memorial Hospital was formally affiliated on 11 July 1975, and affiliation has been agreed to by the University and Fawkner Park Community Health Centre and Western Region Community Health Centre.

The enlargement of clinical resources in the community and the need for increasing diversity of patients is being steadily pursued by the faculty, and the dean has been authorized by the faculty board to seek a form of association with some twenty of the larger metropolitan and private hospitals. This will enable clinical instructors of this medical school to take small numbers of students to see their own private patients. It is increasingly clear that an enlargement of our clinical resources for teaching will need to be sought outside affiliated hospitals, to include private hospitals for undergraduates, graduates and continuing medical education.

Queen Victoria Hospital, the University's principal affiliated hospital for Obstetrics and Gynaecology and Paediatrics, is pressing on with the plans for its relocation at Clayton and the work of the planning committees has continued at an increasing tempo. An offer by the University Council of the fifteen acres, originally reserved for the long promised campus hospital in the south-west corner, for the re-deployed Queen Victoria Hospital was rejected by the hospital, on the advice of the Hospitals and Charities Commission and the State Minister of Health.

The Sixth Report of the Universities Commission has recommended significant capital grants for the campus (\$7.43m) and downtown (\$3.435m). Financial constraints have moved the consideration by the Treasury of these grants to a new triennium 1977-79. Unless there is substantial new building to make good long existing shortfalls in space and to provide for the 25 per cent additional students in 1978, it will not be possible to enlarge the medical school intake and therefore the output in 1979, as recommended by the Karmel Report (1973).

FACULTY OF SCIENCE

Dean: Professor K. C. Westfold, B.Sc., M.A.(Melb.), D.Phil.(Oxon.)

Staff

Professor J. S. Maritz resigned his chair in Mathematical Statistics and Professor J. M. Cullen was appointed to a second chair in the department of Zoology. The end of the year saw the retirement of Professor K. C. Westfold as full-time dean after ten years in that office. Professor J. M. Swan, formerly professor of Organic Chemistry and Pro-Vice-Chancellor in the University, was appointed by Council to replace him.

Curriculum

The faculty approved during the year the introduction of new diploma courses at graduate level in computer science and engineering geology. Both courses are designed to provide professional training for graduates with relevant work experience, in distinction to the existing master's degree programmes in the faculty which are oriented towards the teaching of research skills and the fostering in students of the capacity to undertake original research.

A decrease in finance available for part-time teaching staff led to an increase in the size of tutorials to around twenty students in Biology 101. Such unfavourable class sizes seriously hinder learning through participatory group discussion, which is the role tutorial classes are intended to serve. An increasing number of Biology 101 students has studied H.S.C. Biology in small classes with well-equipped laboratories, which leads to some understandable dissatisfaction with the quality of first year biology teaching which the faculty is constrained to provide.

The faculty commenced discussion of a proposal to reorganize the B.Sc. degree course to operate under a points system. This proposed structure would offer students considerably more flexibility in subject choice than does the current course structure whilst requiring that at least one three-year sequence of studies in a particular discipline be undertaken.

Graduate Study and Research

There were thirty-seven degrees of Doctor of Philosophy and twelve degrees of Master of Science awarded in the faculty in 1975.

The faculty was dismayed by an Australian Government announcement of plans to cut drastically the funds available to the Australian Research Grants Committee and the National Health and Medical Research Council. A subsequent reduction in the extent of these cuts prevented the retrenchment of a significant number of staff at the end of 1975 and will enable continuing research programmes to proceed. The faculty has now realized, however, that much must be done to stimulate public understanding of the vital role played by scientific research in the intellectual and economic life of the community.

The research activities of staff in all departments continued to be both energetic and productive.

Professional and Public Service

Academic staff in the faculty continued service as members of professional and learned associations and, as in previous years, faculty members were involved in many of the educational committees associated with the Victorian Universities and Schools Examinations Board and the Victoria Institute of Colleges.

Accommodation

The department of Mathematics moved into the science north extension, whilst the department of Earth Sciences moved to the permanent accommodation provided for it in the mathematics building. The space vacated by Earth Sciences in the department of Physics was occupied by Environmental Science.

Glasshouse facilities were completed for the department of Botany which should ensure adequate plant growth space for existing research projects in the foreseeable future. The development of a systems garden for Botany teaching proceeded rapidly with the construction and grassing of banks and the completion of drainage and water-supply works.

A building for observers' overnight accommodation and a display centre at the Jeffree Telescope site on Mount Burnett was completed.

The biology building extension and the behavioural laboratories in the Jock Marshall Reserve were completed.

LIBRARY

Librarian: Mr T. B. Southwell, B.A.(Syd.), A.L.A.A.

In the latter part of 1974, it became clear that 1975 would be a financially stringent year and it became necessary to reduce staff to some extent in anticipation. Since material purchased from the Universities Commission's equipment vote continued to pour in, and since supplementation of the normal recurrent vote provided a continuing normal intake, the beginnings of a processing back-log very quickly appeared. Nevertheless the cataloguing staff in spite of reduced numbers, were able to contain the situation, and in fact to reduce it to manageable size by the end of the year. Intake during the year totalled a dramatic 97,000, of which 42,000 'volumes' were in microform.

Builders were in occupation of the main library's book stack through most of the year. A building workers' strike extended the construction period and forced the University to take over the building incomplete. The entire book stock was re-located, and various special collections brought back from distant storage before the end of the year.

The problem of the minor extension of the biomedical library needed to provide space for bags, came no closer to solution.

Whether because of increased space now available for readers (in all areas except the biomedical library on campus), more attractive bookstock, or a simple change in reading habits, borrowing from the library continued to rise faster than the population served. Total loans (including reserved books) were 540,000.

Inter-library relationships were much under discussion during the year. The concept of an Australian Library Based Information Service, which had excited many librarians, seems to have been replaced by a completely centralist approach based on the National Library. Dialogue arising from the common cataloguing project continued sporadically between a sub-committee of the Victorian Universities Colleges Committee and the university librarians, leading most hopefully to the appointment at the end of the year of a management consultant to report on the possibilities of combined action in this and other ways. As for the library's interloan traffic, loans increased to 17,745 and borrowings again fell, to 5,659.

Mrs Fay Baker of the biomedical library was once again seconded to the World Health Organization, this time for a survey of medical libraries in South Korea. Mr E. J. Glasson, law librarian, was again able to attend a meeting of the International Association of Law Libraries, this time in Germany and Norway, the theme being the legal literature of the European Economic Community. The biennial conference of the Library Association of Australia was held in Melbourne during the year. Most members of staff were involved either in its organization or as delegates, and the library was visited by a great number of librarians, from other parts of Australia and abroad.

The cost of books and especially of periodicals continued to rise, at an apparently increasing rate. This problem has been added to by considerable increases in postal rates in many countries, with the result that extensive cancellations of subscriptions are a world-wide fact of life and the continuing viability of very many titles is in doubt.

Many Monash graduates, notably in Medicine and Law, are now finding that the professional reading necessary to their adequate performance is not available, particularly in country areas. Increasingly, they are turning back to Monash for service. This is gladly given, where possible by reference to a more appropriate local authority, or by an inter-library loan to a local library, but also often directly. Several visits have been paid by the biomedical librarian to country hospitals to ensure smooth running of the service, and it is clear that it is valued. It will be extended in 1976 following talks initiated by the Australian Hospital Association,

the intention being that the biomedical library should provide reference service to hospitals and their administrations throughout Australia. If the pilot scheme is successful in 1976, the prospect of the library, with help from the Association, widening its service and experience and rounding out its stock of books is exciting.

Less hopeful are other plans for widening service. The development of the National Library of Medicine's MEDLARS service into an on-line mode is indefinitely postponed as are most of the initiatives for communication and co-operation lately proposed by the National Library of Australia.

Data processing activities were limited by the introduction of a new computer. Re-programming for this and maintenance and upgrading of existing programmes absorbed all available manpower.

The library again received support, both moral and financial from many well-wishers, in particular the Friends of the Library, the Monash Parents' Group and the many others who contributed to the University's library appeal.

8. UNIVERSITY FACILITIES

Alexander Theatre

In 1975, the ninth year of its existence, the Alexander Theatre was more heavily booked than ever before. Apart from a short break in February, it was used almost continuously from January to December for occasional lectures, meetings and conferences, for films, concerts and dance performances, and for a wide variety of dramatic productions. In accepting bookings, priority is given as far as possible to groups within the University to whom a minimal charge is made. Net profits from hiring to outside bodies are used to help maintain the activities of the Alexander Theatre Company.

The most notable performances by University groups were given by the Monash Players, the Monash University Musical Company and the Modern Dance Group. The Monash University Film Group arranged an average of two to three screenings a week during terms.

The Alexander Theatre Company, with the help of grants from the Australia Council and the Victorian Ministry for the Arts, recovered the deficit incurred in the first year of its operation, but at the cost of mounting fewer productions and employing an artistic director only for the first eight months of the year. Of three plays produced by the company for adult audiences, by far the most successful was Tom Stoppard's *Rosencrantz and Guildenstern are Dead*, directed by Peter Batey. In place of a fourth production of its own, the company sponsored a two week season by the Ensemble Theatre, of Sydney.

In addition to the January pantomime, the company staged productions for children in the May and August holidays. Another children's activity is the Saturday Club, which has been in existence for some years and now provides regularly on Saturday afternoons through the greater part of the year entertainment for children in two age groups (five to eight and eight to twelve). The programmes include musical and dramatic performances, puppet theatre, dance and films.

With the aim of bringing playwrights into closer association with the Alexander Theatre, the committee announced in September a playwright competition. In addition to a money prize, the winning play will be given a professional performance in the theatre. The competition has attracted some 200 entries and the winning play is to be announced in April 1976.

The policy of the theatre company is under continual review. Without substantial financial backing it has proved impossible to retain the services of an artistic director and a nucleus of actors over a long period. While this leaves the committee free to select a director for each production, or at most for a season of two or three pro-

ductions, the company no longer has a continuing identity. However, the committee has gained from its experience and is in a far stronger financial position at the beginning of 1976 than it was a year ago.

Robert Blackwood Hall

Again Robert Blackwood Hall was a busy centre for a variety of cultural and other activities of significance to the University and the community; there were 252 functions which, with rehearsals, setting up and dismantling time involved operation on 285 days.

In 1975 the A.B.C. staged half of their prestigious Gold Series concerts and the Melbourne Chorale half of their concerts in the hall so that it may reasonably be claimed that Robert Blackwood Hall is now accepted as an important venue for serious music. All told, 66 classical concerts, with a total admission of over 37,000 were held during the year, with a variety of sponsors including the Robert Blackwood Hall Management Committee acting alone or jointly with other bodies. There were also 34 popular music concerts, with a total admission of 28,000. Again income earned by letting the hall to outside hirers was used to subsidize the cultural programme, which attracted a modest grant from the Australia Council.

Planning for the organ to mark the work of the Vice-Chancellor, Dr J. A. L. Matheson, proceeded and a public appeal was launched to fund the project. Installation of an Ahrend organ in this hall, which has such fine acoustics, will ensure that Monash maintains an important place in Victorian musical circles.

Computer Centre

The computer centre enjoyed a relatively stable year during 1975. A major expansion of the B6700 computer was completed towards the end of 1974 and the increased computing resources allowed the centre to meet its commitments to user departments. The computer centre was able to provide a higher level of service throughout the year, resulting in improved job turn-around and better response to terminals connected to the system.

During 1975 the majority of the university's computing was performed by the Burroughs B6700 computer. The B6700 system included dual processors, with 1.5 megabytes of main memory, 620 megabytes of disk memory, 6 magnetic tape units, card reader, 2 line printers and data communication facilities to 48 terminals installed throughout the University. Limited access was also available to the B5500 computer run by the Victorian Hospitals Computer Services and to the CDC3200 computer which is being phased out of operation.

The locally developed MONECS (Monash Educational Computer Systems) were used extensively (a) by undergraduates to run assignments during introductory programming courses, and (b) to provide remote batch entry of jobs to the B6700 computer. Three MONECS systems were available during 1975 (two in the computer centre and one in Economics) and a fourth will be available in the department of Computer Science early in 1976. MONECS systems were also installed by a number of other educational institutions in Australia, namely Melbourne University, the University of New South Wales, the University of Newcastle, Scotch College and the Victorian Education Department. An arrangement has been made with the University of Waterloo to distribute MONECS overseas.

At the beginning of 1975 a total computing budget of \$614,640 (non-discretionary funds) was distributed to departments to purchase computer requirements from the computer centre. The charging rate for B6700 usage was initially \$100 per hour, but this was increased to \$130 per hour in July due to an increase in the cost of running the computer centre to meet an increased demand from users on campus. The table shows budget allocation and expenditure by faculty.

<i>Faculty</i>	<i>Initial Budget</i> \$	<i>Final Budget</i> \$	<i>Actual Usage</i> \$
Arts	19,800	29,415	29,116
Economics	9,660	11,263	10,815
Education	5,600	8,903	7,528
Engineering	173,300	212,173	130,550
Law	100	130	0
Medicine	10,840	15,004	6,464
Science	298,360	374,677	316,913
Administration and Services	96,980	147,930	160,770
	<u>614,640</u>	<u>799,495</u>	<u>662,156</u>

An expenditure of \$662,156 for computing resources represents an increase of \$119,224 (or 22 per cent) over the 1974 figure of \$571,026. However, there is an increase in equivalent B6700 time of only 18 units (0.3 per cent) from 5710 units in 1974 to 5728 units in 1975, where a unit is one hour of B6700 processor time. The main reason for this is the removal of University work for the B5500 computers, now owned and operated by the V.H.C.S., to the more powerful B6700 system. The changeover allowed a reduction of five in the number of computer operators required to run the centre's computers.

Total expenditure for the year, including contract work but excluding the V.H.C.S., amounted to \$936,796 of which \$648,455 came from the University's recurrent funds and \$288,341 from revenue earning activities. Revenue earning work accounted for 11.8 per cent of the computer resources used on campus during 1975.

Higher Education Advisory and Research Unit

Work with individual members of staff from a number of departments has been initiated or continued this year. Many of these contacts have been brief, but from them work has frequently commenced on larger projects. For example, time has been spent with seventeen departments and members of two non-departmentalized faculties, working on projects initiated by individuals in those locations. A few examples show their diversity: the making of a colour film *The Nurse and the Surgical Patient* for the department of Surgery; observation of clinical examinations and subsequent discussions on assessment procedures; course development in mathematics; diagnostic assessment in the department of History; a series of seminars on teaching in medicine for the department of Obstetrics and Gynaecology.

Short courses for staff were held during breaks in teaching. The problem of attracting 'down-town' medical staff to these courses prompted the unit to offer a series of workshops in the hospitals in June. Other formal workshops were held on campus in February, May and September/October. Topics included in these workshops were: lecturing and tutoring techniques—individualizing instruction—course evaluation—evaluation of teaching—designing course evaluation instruments—student assessment—writing multiple-choice test items—multiple-choice test analysis—marking extended-answer questions—introduction to student counselling—selection of media in tertiary teaching—the overhead projector as an aid—television as a teaching aid. Lunchtime seminars were also held on (i) Recent developments in videotape recorders, (ii) Copyright and the tertiary teacher, (iii) The 'Keller Plan'—self-paced instruction in tertiary education, and (iv) The tertiary teacher and the law.

Excluding the lunch-time seminars which attracted 114 staff attendances, there were 253 staff attendances at the formal workshops.

Advice on audio-visual equipment has been provided for departments or faculties. Advice sometimes involved training the staff of departments to operate the equipment, once it had been purchased and tested.

Two 20 minute films were completed. *The Nurse and the Surgical Patient* was made for the department of Surgery, Alfred Hospital, in colour, while the children at the Kew Cottages were the subjects of a black and white film for the faculty of Education.

Recording lectures on audio cassettes for student replay in the main library occupied thirty-five lecture periods per week. Tape copying, in general, has increased substantially and one audio-taped recording of the Professor Downing Memorial Concert was transmitted by the Australian Broadcasting Commission on its national network.

Approximately fifty videotaped recordings of original material were made, mainly for the department of Physiology. Shakespeare's *Winter's Tale*, produced by the department of English, was recorded and edited into a finished product of two and a half hours in length.

Colour television recordings have been made when the Section was fortunate enough to borrow a colour TV camera from Philips Vision and Sound. This was done on two occasions and productions entitled *Cancer of the Colon* and *Total Knee Replacement* were made for the departments of Pathology and Anatomy, respectively.

Most studies conducted in co-operation with departments are of the problem-solving or action-research type. For example, what is the socio-economic background of new students? Are there any changes in the social background of students due to fee abolition? Can the social data lead to better prediction of university success? Why do some students eligible to proceed to second and later years of study fail to do so? Much of this kind of work is commissioned by the departments themselves. Reports are presented to those departments and only rarely is the work disseminated in open publications. However, several articles are in preparation on such topics as student workloads and trends in university entrants.

The majority of the unit's budget for research has been spent on service projects such as these. Consequently basic or pure research into tertiary education has been limited and has to rely upon research grants attracted from outside the institution, such as the Australian Research Grants Committee. One such project was completed this year and one report and an annotated bibliography have been submitted for publication. One submission to the A.A.C.R.D.E. for 1976 has been successful and work, under Dr Leo West, will commence next year on 'The meaningful learning of intellectual skills'.

Staff of the unit supervised one Ph.D. student, four Master of Education (thesis) students and two minor thesis projects for the faculty of Education and one Ph.D. student in Law.

Since the inception of the Diploma in Education for tertiary teachers, which was designed by the unit and the faculty of Education, about twenty-four students have been accepted in each year of the two-year part-time course. Half of the course is taught by staff of the unit and as only half of the student places are reserved for Monash staff it does provide us with experience of other institutions, especially as observation of the student's teaching in his own department is a significant feature of the course.

Staff of the Higher Education Advisory and Research Unit have been invited to act as consultants to numerous organizations during 1975. Workshops on teaching were conducted at the Australian National University and La Trobe University, at five colleges of advanced education and for some professional bodies such as the Royal Australian College of General Practitioners and the Faculty of Anaesthetists.

Approximately 150 journals are surveyed regularly and items of interest circulated to staff, either at the departmental level or to individuals who have requested information on certain topics. Select bibliographies have been maintained in the areas of: (i) Evaluation of teaching; (ii) Objectives in teaching; (iii) Teaching of diagnostic and interviewing skills in clinical medicine.

Notes on Higher Education was published twice in 1975. Articles and reports appeared on student assessment, course evaluation, and the use of simulation as a teaching technique. *Equipment in Education* was issued once in 1975. A catalogue of films held by departments was compiled, indexed and distributed to libraries and participating departments. The catalogue of videotapes held by the audio-visual aids section was updated and re-issued.

Articles have been written on communication skills, information transmission, student workloads, assessment, and learning and an annotated bibliography was compiled on nonverbal behaviour. Full details are included in *Research Report 1975*.

The work of the unit has attracted sixteen interstate and fifteen overseas academics, many of whom have given seminars to the staff of the unit on their work in staff development.

Bookshop

Once again, the bookshop's turnover during 1975 more than kept pace with inflation. Sales exceeded \$1,150,000. Gross profit increased both in absolute terms and as a percentage of turnover. Net profit also increased. The net profit is, however, more apparent than real. Inflation continues to increase the book value of stock without any increase in the amount of stock actually held. More importantly, the replacement cost of the stock held at the beginning of 1975 exceeds the original book value of that stock by far more than the amount of the net profit for 1975.

The tightening up of credit policies and the more rigorous approach to slow paying debtors introduced during 1974 and continued during 1975 has helped considerably to overcome liquidity problems during the year.

As predicted in the 1974 report, the increase in turnover has made the present physical resources of the bookshop inadequate. Storage space has been obtained in the basement of the new administration extension and on completion of that building in early 1976, that basement will be used as the main storage facility for the bookshop.

Careers and Appointments

In last year's report, attention was drawn to the changing employment pattern for graduates. Various developments during 1975 have added substance to the points then made. The year has been characterized by a rather dispirited economic scene but the problems being faced by many graduates seem to derive from an underlying, quite fundamental and probably largely irreversible, change in the employment outlook.

In retrospect, it is possible to distinguish 1971 as the year in which the growing output of university graduates and of other people with tertiary educational qualifications decisively exceeded the capacity of the economic system to meet their employment expectations. Since then there have been changes in the pattern of graduate employment which must be regarded with concern.

Amongst these changes and arising from them, is the disturbing increase in the proportion of some kinds of graduates returning directly to the education system through teacher training. This increase cannot continue because the requirement for teachers, especially in some disciplines, is no longer unlimited, even in the short term. Looking further ahead, demographic considerations and other factors suggest an actual contraction of the demand.

On the other hand, there does not appear to be any area of employment in which a compensating increase in demand for graduates can be predicted. For many of them the future seems to hold a choice: either to accept work for which they would have been adequately prepared intellectually without university education (which they, and the community at large, would see as underemployment) or unemployment. Similar problems face that other rapidly-growing segment of the youthful population, the products of other forms of tertiary education.

This increasingly-obvious disparity between educational opportunity and the availability of suitable jobs seems likely to bring with it grave social, economic and political problems. Among them may well be declining public support for education, especially tertiary education, and a reversal of the long-standing upward trend in tertiary participation rates.

Some amelioration of the potential problems could perhaps be achieved by vigorous effort directed toward the development of short, intensive vocational courses which could be taken by new graduates of whatever discipline or by older graduates needing retraining in the face of obsolescence of skills. Further assistance could come from an informational programme aimed at dispelling the illusory expectation that education necessarily has a direct economic return associated with it.

During 1975 the office has devoted some of its time to gathering and disseminating information appropriate to these and related objectives. The analysis of subject choice at H.S.C. level has been continued, as have studies of the patterns of course development and employment of science students and graduates. Unfortunately, a substantial grant which would have accelerated the manpower forecasting programme fell victim to the Federal Government economy campaign. Nevertheless, with the co-operation of the Victorian Education Department, a study has begun of the subject combinations being taken by secondary students at years 10, 11 and 12. This survey, using mark-sense sheets for ease of computer analysis, should be completed early in 1976, and will, it is hoped, be repeated on an annual basis so that trends can be discerned.

Although government finance for these projects has not been forthcoming, very useful support has been provided by the Australian Public Service Board in the form of a secondment of one of their officers for nine months to help with the manpower studies.

Once again there has been an active programme of work amongst prospective students in the schools. The extension of the regional organization in the Education Department has provided scope for further development of the work reported last year. In addition a number of careers teachers has been appointed and it is hoped that their advent will result in an improvement in the flow of information into the schools and through them to parents and the community generally.

The placement activities of the office have been conducted under increasing difficulties during 1975. Unemployment amongst graduates who completed in 1974 was at a higher level than for some years. The most seriously affected were graduates in engineering, of whom some 13 per cent were still unemployed in June 1975. Unemployment rates amongst graduates of other faculties at the same time were: Arts 2.6 per cent, Economics 6.4 per cent, Science 5.4 per cent. We expect the situation for graduates completing their courses in 1975 to be worse than this.

Every effort is being made to keep unemployment to a minimum. Amongst the activities to this end are an employer information programme, careers discussion groups, an 'active list' of those in immediate need of help, and various publications including particularly *Careers Weekly*. An active campaign is continuing amongst potential employers.

Early in 1975, the Student Welfare Action Board arranged for the appointment of a student employment officer to work with this office in improving the availability of part-time and vacation work for current students. As a result, the acute shortage of such work which seemed a likely outcome of economic conditions has been largely avoided and it is hoped that some arrangement will be possible by which this work can be continued in the difficult times expected in 1976.

Once again acknowledgement must be made of the interest and help which has been received from members of the academic staff from the faculties. This is an increasingly important factor in efforts to establish realistic attitudes amongst graduating students. An important development has been the establishment late in the year of a Careers and Appointment Committee with a professor as chairman.

Health Service

1975 saw a drop in consultations for the second successive year. While the 1974 drop (400) was marginal, the 1975 drop (1,905) was statistically far more significant.

It is too early to say if the introduction of Medibank was a factor in this. The return to a term system, in place of semester, almost certainly had a significant effect.

During the year Dr Green, who had been acting director, was appointed director of the health service.

Statistics for 1975 were as follows (1974 in brackets). Total attendance: 23,548 (25,453) visits by 7,272 (7,686) persons. 4,555 (4,642) visits were made by 1,624 (1,712) staff members. 18,481 (19,800) visits were made by 5,387 (5,483) students, i.e., 41 per cent of the 13,249 total enrolments. 512 (913) attendances were made by 261 (491) visitors.

Student Counselling

1,117 clients visited the unit during 1975—slightly fewer than in 1974. Of the clients seen 80 per cent (896) were student clients and the remaining 20 per cent (221) were made of pre-university or school leaving clients, staff, parents, friends, spouses and other clients referred to us for specialized treatment. Most student clients seeking our services had full-time status (94 per cent); part-time students appear not to make full use of our facilities. 58 per cent of all clients were male and 42 per cent female. This is fairly representative of the distribution of the sexes in the total University population.

Some 56 per cent of all clients were concerned with personal/developmental issues, 30 per cent with educational/vocational issues, e.g., study difficulties, vocational confusion, or organizing their courses of study. The remaining 14 per cent were made up of clients with miscellaneous difficulties requiring advice or information regarding administrative, financial and other matters. On an average we spent 2.5 interviews with clients, the vast majority needing one interview only.

Counsellors helped organize and led two highly successful workshop/camps in interpersonal relationships at Shoreham for 70–80 students of the medical faculty. The medical students have formed a club called 'Interperson' and are planning four similar workshops for 1976. At the invitation of HEARU, the counsellors also ran a successful two-day workshop for academic staff on 'Introduction to Counselling'. Thirty staff participated, led by four counsellors; two from our own unit and one each from Melbourne and La Trobe Universities' counselling units. This venture will also be repeated in 1976. Mr G. A. Cally shared in leading a week long group for 'professional helpers' at the University of New England, Armidale, in August.

Members of the counselling service were called upon by various professional bodies to teach or lecture on interviewing and counselling skills. These included the Department of Labour and Industry, the Department of Social Welfare and the Caulfield Institute of Technology. A four-hour talk-demonstration on the psychodramatic technique to professional workers throughout the State of Victoria was given at La Trobe University.

In addition all counsellors were involved in various ways as consultants to faculties and departments of this University.

A final year student in social work at Melbourne University was sent to our unit for 'practicum' supervision and spent some 4 to 4½ months under supervision.

Members of staff participated in a workshop on behavioural modification at La Trobe University, some workshop seminars on rational-emotive therapy at La Trobe University and Melbourne University, and two workshops on psychodrama. In these and other ways, they improve both their awareness of themselves and their skills.

Despite some set-backs in staffing, 1975 has been a productive and rewarding year.

Student Residence

During 1975 the student housing office dealt with 3,962 inquiries from students (3,691 in 1974). Of this number 1,259 were for direct assistance in obtaining accommodation (1,247 in 1974) and 2,705 for general advice and counselling on various allied matters (2,444 in 1974).

The availability of off-campus housing of all types has diminished during 1975 as the student demand has risen. No new commercial flats have been built in the University area and the rents demanded for the existing ones have again risen steeply. The trend for group living has persisted, with 71 per cent of all requests this year being for this independence and only 29 per cent for private home accommodation. Fewer offers of suitable private home accommodation have been received and many previously used offers have been lost owing to the householders' sickness, death, moving house or other personal reasons. The changing nature of Clayton from a middle class Australian suburb to a highly concentrated migrant working community has also affected student accommodation. The rise in the cost of transport has made the demand for nearby housing more pressing and it is less possible to meet this demand.

This year 130 students were admitted to first year courses direct from George Taylor's College in Kuala Lumpur and they experienced such problems with accommodation that several were not satisfactorily housed until well into third term. The information brochure produced by the housing officers of the three universities proved very useful to Asian students entering Victorian universities and will be revised each year.

The non-collegiate housing project, of 118 places in clusters of 2, 3, 4 and 5 bedroomed flats, which is expected to become operative in early 1976 is welcomed but not expected to alleviate the general housing shortage for the majority of students, who can only afford off-campus accommodation.

1975 saw changes in the management structure of the halls of residence and in the style of accommodation.

The new management structure combines the five halls as a single management entity, facilities in the North-East Halls and the Roberts-Richardson Halls being re-arranged accordingly.

Two new types of accommodation were offered in the halls. Previously, the student fee included all meals except weekday lunches but in 1975 a limited number of students could have accommodation without weekend meals or accommodation without any meals. Kitchens were built in Farrer Hall for the use of the latter group. There were minor problems initially but there was a demand for both types of accommodation throughout the year, and it has been decided to continue to offer both options and to remove the restriction on the number of students who can have accommodation without weekend meals.

During first term the halls enjoyed 100 per cent occupancy. Following the pattern of previous years, vacancies peaked at the end of second term, but the maximum number of vacancies occurring during the year (72) was approximately half the 1974 maximum.

The chairman of the Committee of Wardens for 1975 was Dr D. M. White, the warden of Deakin Hall. Two wardens left at the end of the year: Dr P. Bridgewater, warden of Richardson Hall, and Mrs B. L. Cumming after nine years as warden of Howitt Hall.

Religious Centre

The establishment of chaplains for 1975 included the Rev. Dr John Gaden, Anglican and Protestant Chaplain, Father P. Knowles O.P., with Father D. Halstead O.P., and Miss Denise Sullivan as pastoral assistant. Father David Willis O.P., was appointed to a parish in Perth, W.A., at the beginning of the year. Mr Henry Shaw and Mr Howard Shub continued as chaplains to Jewish students and Mr Peter Close, a Lutheran lay chaplain, spent one day each week at Monash.

The timetable of weekly services continued as in previous years, with special observation of festival days on the church calendar. Student societies continued their regular week-day bookings, with an increase in the number of weekend and night bookings by groups such as Latter Day Saints, the Islamic students, Transcendental Meditation, the E.U., the Newman Society and the Asian Christian Fellowship. There were two Guides Own Services, two memorial services and 178 weddings. We continue to rely on our team of student ushers for all special bookings of the centre.

Visitors included Bishop Okullu from Kenya, Mr G. Patterson from Keston College, Kent, and the Anglican Deanery. Corpus Christi Seminary (Clayton) held their Academic Mass in the large chapel, celebrated by His Grace, Archbishop Little.

The chapel singers provided two excellent programmes before suspending activities in third term. Special activities were organized for Orientation Week, and on Open Day the introduction of continuous recorded music by the chapel singers proved most satisfactory. It is good to be able to report that some progress has been made towards the installation of the organ.

The 1975 lecture series was particularly successful. The quality of the speakers and their topics attracted an average of 80 to 100 people; a mixture of staff members, visitors and students. Leaflet summaries of the lectures were available before each talk and cassette recordings were made available for borrowing.

Two luncheons for student representatives of the religious societies took place in 1975 and afforded a valuable link between hard-working office-bearers of the societies, the Religious Centre Advisory Committee, and the chaplains.

Students' Loan Fund

In 1975 the Students' Loan Fund Committee approved 76 loans totalling \$51,514. This compared with 80 loans for \$44,506 in 1974.

The maximum amount of loans which may be granted to individual borrowers was increased by 33½ per cent in March 1975, and the average amount of individual loans approved in 1975 was 22 per cent higher than those approved in 1974. In addition many former students are taking longer to repay loans because of employment difficulties in their immediate post-University years. The increase in the amounts loaned and the longer repayment period have caused a reduction in the amount available for loans and there is a possibility that there could be insufficient funds to meet all applications during 1976.

The committee continues to receive expressions of gratitude from borrowers who have repaid their loans.

9. STUDENT ENROLMENT

The net total undergraduate population increased from 9,729 in the previous year to 9,936, an increase of 2.13 per cent. Graduate enrolments increased from 1,449 to 1,591, and total enrolment of all students from 12,837 to 13,249. Full details of enrolments are given in the table below.

Of the total of 13,249 students, 834 (6.3 per cent of the total) were from overseas, as follows: Bangladesh 4; Borneo 3; Burma 8; Cambodia 5; Canada 2; Egypt 1; Fiji 8; Ghana 1; Hong Kong 31; India 16; Indonesia 16; Italy 1; Jamaica 1; Japan 9; Khmer 2; Korea 1; Laos 3; Malaysia 557; Mauritius 2; New Zealand 8; Noumea 1; Pakistan 2; Palestine 1; Papua New Guinea 2; Philippines 4; Rhodesia 2; Singapore 53; South Africa 2; South Vietnam 48; Sri Lanka 8; Taiwan 2; Thailand 11; Tonga 3; Uganda 1; United Kingdom 5; United States of America 7; West Germany 1; Zambia 2. Total of 643 males, 191 females.

NET ENROLMENTS BY DEGREE/FACULTY 1975 (as at 30 April)

Faculty and Year		Full-time			Part-time			Total		
		M	F	T	M	F	T	M	F	T
HIGHER DEGREE										
	Higher Doctorate	6	1	7	1	—	1	7	1	8
	Ph.D.	283	73	356	99	23	122	382	96	478
	Master	222	90	312	626	167	793	848	257	1105
	TOTAL	511	164	675	726	190	916	1237	354	1591
MASTER PRELIMINARY		30	16	46	63	55	118	93	71	164
POSTGRADUATE DIPLOMA										
	Education	160	289	449	81	71	152	241	360	601
	Microbiology	—	—	—	—	—	—	—	—	—
	TOTAL	160	289	449	81	71	152	241	360	601
POSTGRADUATE BACHELOR DEGREE										
	Education: B.Ed.	14	10	24	320	229	549	334	239	573
	B.Sp.Ed.	36	32	68	1	—	1	37	32	69
	TOTAL	50	42	92	321	229	550	371	271	642
BACHELOR DEGREE										
Arts	I	222	545	767	94	258	352	316	803	1119
	II	221	476	697	98	150	248	319	626	945
	III	230	472	702	88	142	230	318	614	932
	IV	57	70	127	2	4	6	59	74	133
	Sub-total	730	1563	2293	282	554	836	1012	2117	3129
Economics and Politics	I	391	141	532	91	23	114	482	164	646
	II	277	117	394	100	7	107	377	124	501
	III	213	86	299	104	23	127	317	109	426
	IV	25	7	32	1	—	1	26	7	33
	Sub-total	906	351	1257	296	53	349	1202	404	1606
Engineering	I	323	10	333	—	—	—	323	10	333
	II	228	8	236	1	—	1	229	8	237
	III	194	9	203	3	—	3	197	9	206
	IV	206	4	210	2	—	2	208	4	212
	Sub-total	951	31	982	6	—	6	957	31	988
Law: LL.B.	I	—	—	—	—	—	—	—	—	—
	II	—	—	—	—	—	—	—	—	—
	III	7	4	11	16	5	21	23	9	32
	IV/V	31	3	34	21	—	21	52	3	55
	Sub-total	38	7	45	37	5	42	75	12	87
Law: B.Juris./LL.B.	I	65	30	95	8	3	11	73	33	106
	II	35	22	57	7	1	8	42	23	65
	III	71	22	93	9	1	10	80	23	103
	IV/V	128	35	163	31	3	34	159	38	197
	Sub-total	299	109	408	55	8	63	354	117	471

(Continued overleaf)

NET ENROLMENTS BY DEGREE/FACULTY 1975 (as at 30 April)

Faculty and Year		Full-time			Part-time			Total		
		M	F	T	M	F	T	M	F	T
Law/Arts	I	35	33	68	—	1	1	35	34	69
	II	48	26	74	1	1	2	49	27	76
	III	44	29	73	1	1	2	45	30	75
	IV/V	52	22	74	2	2	4	54	24	78
	Sub-total	179	110	289	4	5	9	183	115	298
Law/Economics and Politics	I	67	13	80	—	—	—	67	13	80
	II	105	7	112	3	—	3	108	7	115
	III	95	11	106	2	1	3	97	12	109
	IV/V	115	5	120	9	2	11	124	7	131
	Sub-total	382	36	418	14	3	17	396	39	435
Law/Science	I	8	3	11	—	—	—	8	3	11
	II	18	5	23	—	—	—	18	5	23
	III	21	—	21	—	—	—	21	—	21
	IV/V	15	—	15	1	—	1	16	—	16
	Sub-total	62	8	70	1	—	1	63	8	71
Medicine	I	95	71	166	—	—	—	95	71	166
	II	85	75	160	—	—	—	85	75	160
	III	118	46	164	—	—	—	118	46	164
	IV	124	29	153	—	—	—	124	29	153
	V	94	40	134	—	—	—	94	40	134
	VI	116	32	148	—	—	—	116	32	148
	B.Med.Sc.	8	1	9	—	—	—	8	1	9
Science	Sub-total	640	294	934	—	—	—	640	294	934
	I	401	216	617	13	7	20	414	223	637
	II	303	181	484	40	15	55	343	196	539
	III	315	159	474	44	29	73	359	188	547
	IV	141	53	194	—	—	—	141	53	194
TOTAL	Sub-total	1160	609	1769	97	51	148	1257	660	1917
	TOTAL	5347	3118	8465	792	679	1471	6139	3797	9936
NOT FOR DEGREE		11	8	19	156	140	296	167	148	315
TOTAL OTHER THAN HIGHER DEGREE		5598	3473	9071	1413	1174	2587	7011	4647	11658
TOTAL NET ENROLMENTS		6109	3637	9746	2139	1364	3503	8248	5001	13249

10. ORIENTATION 1975

A joint committee, on which students and staff were equally represented, organized the orientation of first year students. The chairman was Professor J. N. Crossley, the convener Miss Caroline Piesse and the secretary Miss Margaret Clark.

The official orientation programme was restricted to three days: Tuesday 4, Wednesday 5 and Thursday 6 March. During this time a variety of functions was organized by clubs and societies, sports and recreation association, Monash Association of Students, departments and faculties. These were designed to introduce freshers to all aspects of university life. The host scheme, introduced last year, again proved useful. In addition to the usual contraception forum, there was a forum on sexuality. The traditional orientation handbook was issued. As a complementary exercise the committee arranged a special orientation function for part-time students on Saturday 22 March. Part-timers were invited to bring their families, and the event was clearly appreciated by the participants.

The funding of the orientation programme was on an equal basis between the University and Union Board.

As a result of its experience the committee, in its report to the Professional Board, recommended a substantial re-examination of enrolment procedures. It is gratifying to note the significant response to this recommendation by the faculties, particularly Arts.

11. STUDENT ACTIVITIES

The Union—Administration and General

In 1975 the Union income was derived mainly from a full-time student fee of \$96 and a part-time student fee of \$60. This provided an estimated expenditure budget of \$857,957, after allowing for a deficit from the previous year and for the annual allocation of 25 per cent of fee income to the Union development fund. Salaries and loadings accounted for an estimated 63.5 per cent of the recurrent expenditure. Because of spiralling costs in this area, increases in the permanent staffing establishment were discouraged and preference was given to short-term appointments. In the commercial areas a turnover in excess of one million dollars was anticipated. A significant increase is to be applied to the subscription rates for all categories of 'special' Union membership in 1976.

In December, the building contract for the Union stage 3 extension was completed. As a result, in 1976 Union members can look forward to additional foyer and meeting room space on the first floor and an enlarged commercial area on the ground floor. Alterations at the western end of the building were carried out to accommodate the University health service in 1976, and the arts and crafts activities previously housed in this area were dispersed to various temporary locations. Plans for a new link building at the sports centre and for an Arts and Crafts Centre, adjacent to the main building, are proceeding.

In August, the chairmanship of the Union Board passed from Professor J. M. Swan, who resigned on account of other heavy commitments, to Professor D. A. Lowther. Council approved several recommendations for amendments to the Union Constitution, the main change being in the composition of the board on which a new *ex officio* position was created for the honorary treasurer of the M.A.S. administrative executive, and the former position for a representative of the Monash Graduates' Association was discontinued. Observer status at board meetings was extended to a representative of the Part-time Students' Association in recognition of the special interests of this student group.

One of the main concerns of the board this year was the financial structure of the catering operation. The board is reluctant to subsidize the catering operation at the expense of other Union activities and has reaffirmed the objective of a break-even result. This has necessitated some trimming of the service. In 1976, evening and weekend trading hours are to be reduced in an attempt to eliminate the more unprofitable trading periods. On the brighter side, allocations were made for redecoration of some catering areas and to student groups for the purpose of supplementing the decor with craftwork, produced as a group project. A survey of the catering services at other Australian universities and C.A.E.s confirmed that most of them are returning significant deficits. On balance, the Monash catering operation appeared to be doing better than average in terms of service and financial returns. A strike by combined trade unions at the University in May and June had a seriously adverse effect on both the student and function catering services which continued well beyond the four-week period of the strike.

The staffing position remained relatively steady, with reappointments being made to the positions of activities officer, student welfare officer and union finance officer. New short-term appointments were made to the student employment officer, club liaison officer and catering liaison officer positions.

Apart from the activities reported below by the major Union groups, some which merit special mention are:

A garbage recycling scheme conducted by C.R.A.C. in association with the house manager, which was tried out in third term as a pilot project. Although it was discontinued for economic reasons it demonstrated that large-scale garbage disposal can be handled in a way which is ecologically sound, and it attracted the interest of local councils.

The introduction of a typesetting service associated with *Lot's Wife*.

The introduction, in the John Medley Library, of a poster-lending service and of recorded music concerts in the evenings.

Monash Association of Students

There were no major structural changes in M.A.S. during 1975. M.A.S. employed an 'employment officer' whose service in assisting students in finding casual and part-time work was a welcome innovation.

There was a number of student general meetings of which two are worthy of note. The Middle-East debate moved from A.U.S. January council by extraordinary resolution to be debated again on the campuses. The pro-Palestinian motions were soundly defeated again, clearly indicating that student opinion was resolved. The major student general meeting was largely an outcome of the latter. Confidence in A.U.S. operations was questioned, and there was a move that M.A.S. secede from A.U.S. It was soundly defeated by a majority of 95 per cent.

The assessment issue faded this year, but the campaign for Tertiary Education Assistance Scheme (T.E.A.S.) was an involved one. A number of meetings and activities was organized through M.A.S.

A.U.S. services such as travel and insurance were used to an increased extent as more people became aware of their existence.

A major problem in 1975 was that M.A.S. suffered from a high turnover of students in administrative positions. Much of the work was left to the chairperson and honorary secretary.

Monash Research Students Association

M.R.S.A. has the unique task of representing the interests of graduate students within the University. One difficulty continually involved in this task, has been the maintenance of open and fruitful lines of communication between M.R.S.A. and these students. During the past year, 1975, this problem has been somewhat aggra-

vated by two factors: (i) the apparently stable and contented state of graduate student affairs during the year; (ii) the loss of several very experienced and long-standing members of the M.R.S.A. committee.

Despite this however, the other activities have been generally successful. These have included two informal luncheons, the continuation of the thesis-typing service, and the publication of an updated edition of *Compass* which provided information on graduate study to potential candidates.

It is hoped that 1976 will see a resurgence of M.R.S.A. activities, with possibly a greater emphasis on social interaction.

Clubs and Societies, Tuition and Summer Activities

The out-of-class life of university students, whether organized, unorganized or disorganized, represents a rich, often untapped, educational resource. The Union, in providing funds for these areas, encourages self-directed activity, giving maximum opportunity for self-realization and for growth in individual social competence and group effectiveness, the ultimate goal being the development of persons as well as intellects.

At the end of 1975, there were about 130 cultural clubs affiliated with the clubs and societies council, including sixteen new clubs registered during the year.

The newly created position of club liaison officer proved to be a great success and improved communication between clubs, as well as generating more activity and many new ideas. Because of its undoubted success, the position will continue during 1976.

Planning for an arts and crafts centre is going ahead, and its completion should see the beginning of a new era of arts and crafts at Monash.

The summer school was again highly successful, with over 1,600 enrolments in the 64 courses—89 classes altogether.

Community involvement became a reality in the 1975-76 summer school, with the use of the bus purchased earlier, which brought people to Monash for such activities as 'new games' and the kite-making day, as well as taking people and equipment from Monash to local centres to display activities.

Sports and Recreation Association

The new recreation hall became available for use at the end of March but although this provided extra indoor facilities, the activities of the association were such that particularly during late afternoon and evenings all groups wishing to use the hall could not be accommodated on campus, and a few facilities had still to be hired. As far as the new hall was concerned the hopes for it being a really versatile facility were realized and it has become a much used area. Some rounds of the first Asian volleyball championships to be held in Australia and the entire Silver Bowl Badminton championships were held in the hall. Further emphasis was placed on trying to increase the quality of the existing facilities and during the year the cyclical maintenance programme of the Union enabled the interior of most of the buildings to be repainted. The grounds continued to show improvement and at long last couch grass is starting to spread in the main playing areas.

Community activities: schools, junior sports clubs, church groups and scouts, together with other community groups, used the facilities at times when they were not required by members. Various competitions were established and administered by clubs such as archery, basketball, hockey and soccer. The association ran its own cricket coaching classes for different age groups in the local area and a number of clinics was also held in the new hall by the Victorian Cricket Association. The women's recreation programme established by the National Fitness Council expanded its activities with three sessions being held during the year. With the increasing

number of visitors to the sports centre, particularly at evenings and weekends, it is necessary for the surrounds to be made more attractive as this is the only contact many persons may have with the University.

A survey of casual users was conducted for two 12-day periods during second term and the results clearly demonstrate that the association is correct in making so many of its facilities available for unscheduled activities. A sub-committee of the executive of the association helped run the recreational games programme which during the year involved more members in a greater variety of activities than previously.

Competitions: Monash teams contested a total of thirty-one intervarsities in the year, were placed in the top three on sixteen occasions, and won the following contests — women's basketball, canoeing, netball, orienteering, softball, women's table tennis, tennis, judo.

In local competition one of the highlights was the re-establishment of the women's cricket club. The women's rowing club also did very well and it is hoped they will expand their activities in the coming years. Most other clubs performed well and the table tennis won the A grade summer flag.

Shoreham camp: during the year, fifty-two different groups comprising schools, Monash, Y.M.C.A., and church clubs used the W. H. Buxton centre at Shoreham. The camp, which is set in a very attractive environment, however is now fifty years old and most of the facilities need renewing and extending. During the year it was very disappointing to be advised on two separate occasions that a large grant would be received under the R.E.D. scheme only to have the advice withdrawn. However, an application has been made to another Department for assistance and if help is forthcoming a sewerage treatment plant will be installed in 1976 to replace the existing inadequate septic systems.

12. FINANCE

The following salient points from the audited accounts of the University for the year 1975 are set out for ready reference.

1. Funds Available

1.1 Recurrent

Government funds available for expenditure on recurrent items during the year ended 31 December 1975 were:

	University		Teaching Hospitals		Halls of Residence	
	\$000	%	\$000	%	\$000	%
Basic grant	25,445	65.0	165	66.3	71	63.4
Supplementation	13,703	35.0	84	33.7	41	36.6
	<u>39,148</u>	<u>100.0</u>	<u>249</u>	<u>100.0</u>	<u>112</u>	<u>100.0</u>

These funds were expended as follows:

	<i>University</i>		<i>Teaching Hospitals</i>		<i>Halls of Residence</i>	
	\$000	%	\$000	%	\$000	%
Academic activities	26,616	70.3	249	100.0		
Academic services	3,623	9.6				
Student services	971	2.6				
General services	6,535	17.3				
Public services	48	.1				
Other	44	.1			112	100.0
	<u>37,837</u>	<u>100.0</u>	<u>249</u>	<u>100.0</u>	<u>112</u>	<u>100.0</u>

1.2 Capital

Government funds for expenditure on capital projects (buildings and furniture) received during the 1973-75 triennium were as follows:

	<i>On University Site</i>	<i>Non-Collegiate Accommodation</i>	<i>Teaching Hospitals</i>
	\$000	\$000	\$000
State Government grant	1,138	42	14
Commonwealth Government grant	<u>6,474</u>	<u>229</u>	<u>107</u>
	<u>7,612</u>	<u>271</u>	<u>121</u>
Expenditure in respect of 1973-75 triennium capital projects made during the period 1 January 1973 to 31 December 1975	<u>7,604</u>	<u>271</u>	<u>55</u>

1.3 Research

Government grants available for expenditure on special research projects during the 1973-75 triennium were:

	\$000
State Government grant	113
Commonwealth Government grant—	
Basic	567
Supplementation	164
	<u>844</u>
Expenditure 1 January 1973 to 31 December 1975	<u>844</u>

1.4 Equipment

Government funds received during the 1973-75 triennium for expenditure on equipment were as follows:

	<i>\$000</i>
State Government grant	463
Commonwealth Government grant	2,266
	<hr/>
	2,729
	<hr/>
Expenditure 1 January 1973 to 31 December 1975	2,723
	<hr/>

2. Student Union Fees

Union fees payable by students enrolled for the year 1975 were as follows:

Students studying on campus:	full-time \$96 per annum,
	part-time \$60 per annum.

Students studying off campus—	
in Victoria:	full-time \$24 per annum,
	part-time \$16 per annum.

3. Accounts

The audited accounts of the University for the year 1975 are appended to this Report, and provide further details of the year's activities.

4. General

The University opened the year with a deficit, having been unable to recoup fully during 1974 the deficit incurred during 1973 when no supplementation (other than for one national wage case) was made for increased costs incurred.

The University was determined to maintain its established policy of living within the funds voted for it and, 1975 being the last year of the triennium for which allocations had been made, it took steps to recoup the deficit during the year by reductions in staffing and by other economies. These steps proved successful. Retrospective supplementation of the grants to counter their erosion by severe inflation has indeed helped the University and, whilst it is essential that supplementation should be continued, the system necessarily involved less certainty and efficiency in the planning and development of the University within available resources.

The University learnt, with apprehension, towards the end of the year that the triennial system is to be suspended for 1976 and records its belief that, to facilitate sound financial planning, there should be a return to triennial funding.

Building costs continued to rise rapidly and it was found necessary to abandon one major project to ensure completion of the other approved projects for the triennium from within the total funds available.

13. GIFTS AND GRANTS

The following gifts and grants were received by the University:	
Abbott Universal:	\$5,251.47
Toward research project on virology, Dr K. Hayes (Paediatrics)	\$200.00
Toward research project on hepatitis, Dr A. Ferris (Microbiology)	\$500.00
Toward research project 'Antibiotic resistance in streptococci'	
Professor B. Holloway (Genetics)	\$4,051.47
Travel expenses, Professor B. Holloway (Genetics)	\$500.00
Academy of Social Sciences in Australia toward research project 'Migrant Education', Professor R. Taft (Education)	\$16,000.00
Alcoa of Australia Limited:	\$600.00
Annual prize (Materials Engineering)	\$100.00
To assist visiting senior research fellow Dr Hildegard Cordier on research project 'Structure/property relationships in a class of weldable aluminium alloys' (Materials Engineering)	\$500.00
Alcoa Foundation of U.S.A., toward cost of servo-hydraulic testing machine (Materials Engineering)	\$7,200.00
Alcock, estate of late R. J., to religious centre organ appeal	\$150.00
Australian Medical Association, Health Section Medical Officers, 1974 prize to student (Medicine)	\$50.00
Anatomy Museum Users Committee, to purchase skeleton and stand for the anatomy museum (Anatomy)	\$324.50
Angliss, William (Victoria) Charitable Fund, to assist research on orthopaedic and traumatic surgery, Professor J. C. McNeur (Surgery)	\$3,500.00
Anonymous donors as follows:	
1974 A. R. Wallace Prize (Zoology)	\$40.00
To provide casual academic staff (German)	\$400.00
Travel expenses, Dr D. Barkla (Anatomy)	\$250.00
To assist research (Chemistry)	\$350.00
To provide clerical assistance and equipment (Education)	\$7,019.50
To continue research in Orthopaedic and traumatic surgery (Surgery)	\$10,000.00
Anti-Cancer Council of Victoria, to support:	\$65,645.13
Anatomy	\$7,659.75
Medicine (Prince Henry's Hospital)	\$8,522.13
Medicine (Alfred Hospital)	\$9,939.98
Pathology and Immunology	\$37,080.12
Surgery (Prince Henry's Hospital)	\$2,443.15
Asthma Foundation of Victoria, toward research project 'Effects of anaphylaxis on transmitter economy in isolated trachea and on reflex control of airways', Dr R. A. Westerman (Physiology)	\$500.00
Australia Council, The:	\$29,782.00
To underwrite visit of Collegium Musicum to Robert Blackwood Hall	\$1,000.00
To fund salary of artist-in-residence (Visual Arts)	\$7,500.00
To partly fund salary of writer-in-residence (English)	\$2,080.00
To mount exhibition of works of art by two Sydney painters (Visual Arts)	\$3,200.00
To mount exhibition of works of art by Alun Leach-Jones (Visual Arts)	\$600.00

To purchase art works (Visual Arts)	\$152.00
To Alexander Theatre Company for Children's theatre activities	\$2,500.00
To Alexander Theatre Company for eight month season of four productions	\$10,000.00
To multi-arts activities (University Union)	\$500.00
To support 1975 free concert series at Robert Blackwood Hall	\$2,250.00
Australian Academy of Humanities, toward subsidy for Australian Journal of French Studies (French)	\$200.00
Australian-Asian Association of Victoria, 1974 prize for Indonesian I in Australian Asian language (Indonesian and Malay)	\$50.00
Australian Chicken Meat Research Committee, to fund research project 'Skeletal abnormalities in Broiler Chickens', Professor D. A. Lowther (Biochemistry)	\$17,396.00
Australian Council for Educational Research, to research project 'Rural attitudes to Education', Professor P. Musgrave (Education)	\$2,525.00
Australian Federation of Family Planning Associations, to revision of materials on family planning and the law, Associate Professor H. A. Finlay (Law)	\$750.00
Australian Institute of Aboriginal Studies, to research, Mr G. Breen (Linguistics)	\$10,092.71
Australian Institute of Nuclear Science and Engineering, to research on radioisotopes, Dr J. Barclay (Physiology)	\$86.00
Australian Kidney Foundation grants to research projects:	\$11,600.00
'Pathogenesis of Hypertension in Chronic Renal Failure', Professor C. I. Johnston (Medicine)	\$5,000.00
'Biological role of neurophysins in renal function', Professor C. I. Johnston (Medicine)	\$4,000.00
'Ultra-structural protein tracing in the renal glomerulus', Dr. D. J. Davies and Dr E. A. V. Pihl (Pathology and Immunology)	\$2,600.00
Australian Psychological Society Prize, annual prize (Psychology)	\$50.00
Australian Research Grants Committee—	\$191,618.00
On the recommendation of the committee, the Australian Government approved grants for 1975 as listed at the conclusion of this Report.	
Australian Road Research Board, continued research on steel box girders, Professor N. W. Murray (Civil Engineering)	\$3,000.00
Australian Society of Accountants, annual prize in Accounting and Commercial Law (Economics and Politics)	\$40.00
Australian Tobacco Research Foundation, for research projects:	\$16,148.26
'Fine structure of epithelial surfaces in the lung with special reference to the scanning and transmission electron microscopy of the tracheo-bronchial mucosal surface in relation to tobacco smoking', Dr I. G. S. Alexander (Anatomy)	\$5,567.26
'Human neurophysins: their role in physiology and disease', Professor C. I. Johnston (Medicine)	\$10,581.00
Australian Welding Research Association, scholarship awarded to Mr R. I. Presser (Materials Engineering)	\$3,465.00
Baird, I. E., in memory of the late Mrs Linda Urch (Obstetrics and Gynaecology)	\$5.00
Beecham (Australia) Pty Ltd, travel expenses, Professor S. Faine (Microbiology)	\$500.00

Berk Pharmaceuticals, to research project on organ culture, Dr J. St John (Medicine)	\$3,685.00
Besen, Mr and Mrs M., to enable purchase of works of art (Visual Arts)	\$650.00
British Phosphate Commissioners, toward research project in mineralogical research, Dr A. R. Milne (Earth Sciences)	\$5,150.00
Broken Hill Mining Managers' Association, toward research project on lode horizon concerned with geology, geo-chemistry and geophysics in Broken Hill area, Professor B. E. Hobbs (Earth Sciences)	\$16,000.00
Broken Hill Proprietary Company Limited:	\$4,100.00
Toward research on machinability of steels, Visiting Professor S. Ramalingam (Mechanical Engineering)	\$4,000.00
B.H.P. Prize for 1974 (Materials Engineering)	\$100.00
Buckland, William, Foundation:	\$20,000.00
Toward special training for handicapped children, Krongold Centre, Professor Marie Neale (Education)	\$17,000.00
Travelling Fellowship, Professor Neil Carson (Community Medicine)	\$3,000.00
Canadian Medical Research Council, visiting scientist award to Dr D. J. Carmichael (Biochemistry)	\$2,875.42
Carden, Basil G., toward indigent student fund (Pharmacology)	\$25.00
Carlton and United Breweries Limited, towards continuing research on yeast genetics, Professor A. Linnane (Biochemistry)	\$2,000.00
Carnation Company Pty Ltd, annual award (Paediatrics)	\$50.00
Casa d'Italia, 1975 scholarships	\$600.00
Cement and Concrete Association of Australia, provision of prize (Civil Engineering)	\$80.00
Christensen, Olaf, on behalf of graduate Rongphol Chareonphandhu (Law)	\$250.00
Ciba-Geigy Australia Ltd, toward research on hypertension, Professor C. I. Johnston (Medicine)	\$10,000.00
Commercial Bank of Australia, annual prize in Psychology 101 (Psychology)	\$40.00
Consolidated Electronic Group, annual Reuben Medding Prize (Electrical Engineering)	\$50.00
Conzinc Riotinto of Australia Ltd, student travel to Japan (Japanese)	\$350.00
C.S.R. Chemicals Pty Ltd, annual prize (Chemistry)	\$100.00
Curriculum Development Centre, to research 'The evaluation and diffusion of A.S.E.P. materials', Professor P. J. Fensham (Education)	\$2,260.00
Dairying Research Committee, toward research project 'Immunopathology of bovine nasal granuloma', Drs P. Carbonell and H. Muller (Pathology and Immunology)	\$9,364.00
Department of Aboriginal Affairs:	\$31,017.68
Centre for Research into Aboriginal Affairs	\$8,000.00
Toward cost of Black Studies Course	\$1,994.85
Toward publication of Aboriginal Health Journal	\$2,700.00
To salaries and costs, Centre for Research into Aboriginal Affairs	\$18,322.83
Department of Education, Australian Government:	\$21,000.00
National Committee on Social Science, teaching grants to Dr P. Gorman and Dr F. J. Hunt (Education)	\$2,550.00
Toward research project 'A study of business education at T.A.F.E. Institutions', Drs R. D. Lansbury and P. Gilmour (Administrative Studies)	\$6,000.00

Toward research—'N.C.E.T.: teacher education survey', Dr D. Davis (Education)	\$12,450.00
Department of Education (Victoria), Social Services Division, Library Branch, toward library research project by Associate Professor M. Balson (Education)	\$8,000.00
Department of the Environment and Conservation:	\$19,000.00
For research project, 'Morphometric analysis of Tasmanian fresh-water bodies' (Geography)	\$1,300.00
Toward research project, 'Efficiency in industrial, domestic and municipal water use', Professor E. Laurenson (Civil Engineering)	\$17,700.00
Department of Social Security:	\$380,000.00
Research and evaluation project at Work Preparation Centre, South Yarra, Professor P. W. Musgrave (Education)	\$20,000.00
Subsidy for capital cost of Krongold centre for child training	\$360,000.00
Department of Manufacturing Industry, toward research on 'Machinability of steels', Visiting Professor S. Ramalingam (Mechanical Engineering)	\$4,000.00
Department of Science, Australian Government, Queen Elizabeth II Fellowship Awards as follows:	\$49,007.85
Visiting Professor H. Charnock (Geophysical Fluid Dynamics)	\$471.95
Dr P. F. Crapper (Geophysical Fluid Dynamics)	\$19,220.33
Dr W. D. McKee (Geophysical Fluid Dynamics)	\$125.35
Dr G. D. S. Hirst (Physiology)	\$885.37
Dr J. Fenton (Mechanical Engineering)	\$9,567.75
Dr R. A. de Szoeko (Geophysical Fluid Dynamics)	\$9,315.60
Dr F. E. Curry (Physiology)	\$9,421.50
Department of Science, Australian Biological Resources Study Interim Council awards:	\$1,195.00
Toward research project 'Survey of liverworts (Hepaticae) of Australia', Dr G. A. M. Scott (Botany)	\$1,045.00
Toward research project 'Studies on the taxonomy and ecology of cyclopoid copepods in Australian inland waters', Dr I. A. E. Bayly and Mr D. F. Morton (Zoology)	\$150.00
Department of the Special Minister of State, toward advertising and child care for 'Getting Together Week' (University Union)	\$750.00
Department of Transport, Australian Government, toward research projects, 'Attitude measurement of motor cycle riders', and 'Road user behaviour', Professor R. W. Cumming and Dr T. J. Trigg (Psychology)	\$75,846.00
Electrical Research Board:	\$7,750.00
To research project, 'Control and optimization of large power systems', Professor K. Morsztyn (Electrical Engineering)	\$6,250.00
Mr K. Thomson (Materials Engineering)	\$1,500.00
Fawns and McAllan Pty Ltd, toward overseas travelling expenses, Professor J. Watts (Surgery)	\$500.00
Ford and Rockefeller Foundations Program, in support of social science and legal research—grant to cardiovascular research project, Associate Professor W. A. W. Walters (Obstetrics and Gynaecology)	\$724.14
Ford Motor Company of Australia Ltd, Ford Prize (Mechanical Engineering)	\$50.00

Freehill, Hollingdale and Page:		\$100.00
Legal Persons Prize for 1974 (Law)	\$50.00	
Legal Persons Prize for 1975 (Law)	\$50.00	
General Motors-Holden's Pty Ltd Postgraduate Research Fellowships:		\$8,500.00
Mr D. I. McKenzie (Microbiology)	\$4,300.00	
Mr P. A. Kirtton (Electrical Engineering)	\$4,100.00	
To the Careers and Appointments Office	\$100.00	
Calouste Gulbenkian Foundation, scholarship to student of Spanish (Spanish)		\$298.78
Hardie Trading Ltd, James Hardie Engineering Prize for 1974 (Civil Engineering)		\$200.00
Hecht, H. and L. Trust, toward research project 'The significance of pre-natal infection with viruses', Dr Kathleen Hayes (Paediatrics)		\$7,300.00
Heinz H. J. and Co. Australia Ltd, toward services of musician (Alexander Theatre)		\$320.00
Hungerfords, prizes in Accounting, Administration Policy, and Financial Control, three prizes, each \$50 for years 1972 and 1974 (Economics)		\$300.00
Hy-Q Electronics Pty Ltd, research scholarship (Electrical Engineering)		\$2,250.00
I.C.I. Australia Ltd:		\$180.00
Research grant (Chemistry)	\$100.00	
I.C.I. Prize for vacation work report (Chemical Engineering)	\$80.00	
Ingram, M. A. Trust, to research project 'The development of motor behaviour in possum pouch young', Dr B. M. H. Bush (Physiology)		\$1,000.00
Inpharzam, S. A., to research project 'The mechanism of the action of chloramphenicol and thiamphenicol' (Biochemistry)		\$7,500.00
Institute of Chartered Accountants in Australia, annual accounting prize (Accounting and Finance)		\$40.00
Institute of Chartered Secretaries and Administrators, toward 1975 Monash Economic Lecture		\$400.00
Institute of Chemical Engineers, donation from Conference in recognition of technical and organizational help from Monash:		\$1,000.00
Chemical Engineering	\$400.00	
Faculty of Engineering	\$300.00	
General Administration	\$300.00	
Islip, P. E. to Monash Pre-school centre		\$40.00
Kirsop, Associate Professor W., to publication of Australian Journal of French Studies (French)		\$200.00
Kost, Mr K. E., to Medicine, Prince Henry's Hospital		\$150.00
Lawson, Associate Professor F., to the work of the department (Chemical Engineering)		\$100.00
Lever and Kitchen Pty Ltd, scholarship in environmental science (Zoology)		\$4,000.00
Life Insurance Medical Research Fund of Australia and New Zealand, further instalments on research awards:		\$34,664.52
'Ventricular Ectopic Activity in Man', Associate Professor K. McLean, Prince Henry's Hospital (Medicine)	\$10,157.00	
'Myocardial B receptors', Professor C. I. Johnston and Dr J. Funder, Prince Henry's Hospital (Medicine)	\$11,850.00	
'Study of platelet function and coagulation in patients with thrombotic disorders', Professor B. Firkin, Alfred Hospital (Medicine)		\$10,931.39

'Development of the pulmonary circulation in the foetus and new born', Dr B. C. Ritchie, Prince Henry's Hospital (Medicine)	
	\$1,726.13
Mead Johnson Pty Ltd, annual Mead Johnson award 1966, 1970, 1974, 1975 (Paediatrics)	\$207.50
Medical Research Council (Canada), visiting scientist award held by Dr E. E. Daniels (Physiology)	\$1,859.70
Merck, Sharp and Dohme (Aust.) Pty Ltd:	\$3,610.00
Travel expenses, Professor S. Faine (Microbiology)	\$250.00
Toward research entitled 'Pituitary Polypeptides', Professor J. Bornstein (Biochemistry)	\$3,000.00
Toward support of vacation scholar (Chemistry)	\$360.00
M.I.M. Holdings Ltd, to careers and appointments office	\$100.00
Ministry for the Arts, toward cultural development:	\$12,998.50
Alexander Theatre	\$10,000.00
Production of Shakespeare's <i>A Winter's Tale</i> (English)	\$1,000.00
Art Collection (Visual Arts)	\$973.50
Toward painting exhibition (Visual Arts)	\$1,025.00
Ministry for Conservation:	\$6,422.66
Toward survey of granite in Wilson's Promontory National Park (Earth Sciences)	\$1,093.00
Toward drafting of physiographic maps of coast of Victoria, Dr G. Robinson (Geography)	\$1,250.00
Toward research project 'Vegetation and land use of Westernport Bay coastal land system', Professor M. Canny and Dr P. Bridgewater (Botany)	\$4,079.66
Ministry for Youth, Sport and Recreation:	\$12,270.00
Toward 'Kid's Creative Workshop' (University Union)	\$500.00
To sports and recreation association (University Union)	\$1,900.00
To survey of attitudes toward development of wilderness areas, particularly Baw Baw, Mr K. McHenry (Civil Engineering)	\$9,870.00
Mobil Oil Australia Limited:	\$250.00
Mobil Graduate Research Scholarship, Mr D. Siemon (Chemical Engineering)	\$150.00
To Careers and Appointments	\$100.00
Monash University Parents' Group:	\$4,955.00
Books (Library)	\$2,200.00
Equipment (University Union)	\$2,350.00
Pre-school centre	\$100.00
Special education, Professor Marie Neale (Education)	\$250.00
Halls of residence	\$55.00
Monsanto Australia Ltd:	\$2,250.00
Chemical Engineering	\$750.00
Chemistry	\$750.00
Materials Engineering	\$750.00
Morawetz, Mrs Gertrude, Ernest Morawetz Prize (Music)	\$1,000.00
Muscular Dystrophy Association of America Inc., continued support of research on 'Neural factors involved in muscle development and maintenance', Dr L. Austin (Biochemistry)	\$4,997.88
The Myer Foundation:	\$2,841.00
To assist in purchase of audio equipment for student theatre (University Union)	\$508.00
Travel expenses, Mr R. S. Lapthorne (Politics)	\$596.00

Travel expenses, Mr R. E. Elson (History)	\$1,100.00
Travel expenses, Miss B. Kreuger (Education)	\$637.00
McDonald, Dr I. W., toward purchase of books (Mathematics)	\$50.00
Nairn, Professor R. C. and colleagues, toward work of the department (Pathology and Immunology)	\$16,000.00
National Bank of Australasia, Banking Law Prize (Law)	\$100.00
National Consolidated Limited, National Consolidated Prize for vacation work report (Materials Engineering)	\$40.00
National Heart Foundation of Australia, research grants to:	\$30,208.40
Professor C. I. Johnston (Medicine)	\$14,853.00
Drs J. B. Chapman and C. L. Gibbs (Physiology)	\$8,729.57
Dr E. M. McLachlan (Physiology)	\$6,625.83
Natterman, A. and Cie, GmbH, toward research project, 'The cause and dissolution of gallstones', Professor J. McK. Watts (Surgery)	\$12,221.55
The Nestle Company (Australia) Limited toward research project in virology, Dr K. Hayes (Paediatrics)	\$250.00
New South Wales State Pollution Control Commission, toward research project 'Lichens and Air Pollution', Dr G. Scott (Botany)	\$1,500.00
Newell, Dr R. B. to the work of the department (Chemical Engineering)	\$61.20
Novo Research Institute, Denmark, toward research project on hypocycaemic peptides, Professor J. Bornstein (Biochemistry)	\$2,250.00
Nylex Corporation Limited, Vacation Report Prize 1973, Nylex Corporation Limited Prize 1972 and 1973 (Materials Engineering)	\$240.00
Petroleum Refineries (Australia) Pty Ltd to careers and appointments	\$100.00
Philips, N.V., Duphar Company, Holland, to enable Dr D. Humphrey to attend 11th Australian Congress of Obstetrics and Gynaecology (Obstetrics and Gynaecology)	\$500.00
Philips Telecommunications Manufacturing Company Limited, the Pye Overland Prize (Electrical Engineering)	\$500.00
Potter, Ian, The Foundation:	\$2,350.00
To enable Dr R. K. Smith to attend Euromech Conference, London (Mathematics)	\$650.00
Toward travel expenses for overseas research, Dr E. S. Wertheim (Paediatrics)	\$1,000.00
Two travel scholarships to value of \$350 each (Japanese)	\$700.00
Potter, Professor O. E., to the work of the department (Chemical Engineering)	\$120.00
Powergrip Industries, toward special education fund, Professor M. D. Neale (Education)	\$20.00
Production Equipment Pty Ltd:	\$100.00
Production Equipment Prize 1974 (Mechanical Engineering)	\$50.00
Vacation Report Prize (Mechanical Engineering)	\$50.00
Queen Victoria Hospital to provide delivery chair for obstetric patients (Obstetrics and Gynaecology)	\$500.00
Radio Research Board:	\$3,000.00
Project: 'Electro-magnetic field investigation of integrated optical circuits', Dr G. K. Cambrell (Electrical Engineering)	\$1,000.00
Project: 'A used filter design programme', Dr K. Pang (Electrical Engineering)	\$2,000.00
Ramaciotti, Clive and Vera, Foundations:	\$13,557.00
'Study of microcirculatory events in the retina and of their significance in damage to the central nervous system during open heart surgery', Dr Isla M. Williams (Medicine)	\$3,300.00

'Microthrombotic ischaemia in the nervous system', Dr Isla M. Williams (Medicine)	\$6,007.00	
'A study of the action of prostaglandins in the human ovarian cycle and fertility', Associate Professor W. A. W. Walters (Obstetrics and Gynaecology)	\$4,250.00	
Ramsay Surgical Ltd:		\$150.00
Prize for proficiency (Zoology)	\$50.00	
Prize for Obstetrics and Gynaecology (Obstetrics and Gynaecology)	\$100.00	
Reckitts Pty Ltd, 'Gastrointestinal Research', Dr J. Hansky (Medicine)		\$2,000.00
Reserve Bank of Australia, 'Dynamic systems for environmental design', Visiting Professor Hans W. Gottinger (Econometrics and Operations Research)		\$8,000.00
Reserve Bank of Australia, Rural Credits Development Fund:		\$22,789.00
'An economic investigation of part-time farming in central Victoria', Dr I. R. Wills (Economics)	\$4,150.00	
'Sex Hormones from solanum alkaloids' (Chemistry)	\$18,639.00	
Roche Products Pty Ltd, for research into bowel cancer (Pathology and Immunology)		\$5,413.00
Ross, R. E. Trust, grant to support mathematics project being conducted jointly with the Papua and New Guinea University of Technology (Education)		\$10,000.00
Rothman's University Endowment Fund, for Junior Rothman Fellow, Dr A. Wirth (Mathematics)		\$4,212.50
Sandoz (Australia) Pty Ltd, for drug trials by Professor C. I. Johnston (Medicine)		\$1,000.00
Schools Commission, grant for continuation of school library project being conducted by faculty of Education		\$18,000.00
School of Mines and Industries, grant to determine needs of existing students in T.A.F.E. division and follow up tertiary level discontinuities, Associate Professor L. D. Mackay (Education)		\$3,000.00
Scott, W. D. and Co., Pty Ltd, for annual prize in Psychology 203, for 1974		\$40.00
Searle Australia Pty Ltd, grant to assist research project on hypertension, Professor C. I. Johnston (Medicine)		\$5,000.00
Shell Company of Australia Ltd, prizes (Administrative Studies and Chemical Engineering)		\$100.00
Stuart Simson Educational Trust, to be applied to fees		\$1,010.00
Smith, Dame Hilda, equipment Robert Blackwood Hall		\$20.00
State Electricity Commission, toward cost of servo-hydraulic testing machine (Materials Engineering)		\$10,000.00
Streitberg, Miss Joan, gift to the University Library		\$100.00
Stock Exchange of Melbourne Ltd, The, towards 1975 Monash Economics Lecture (Economics)		\$400.00
Sunshine Foundation, for purchase of computer terminal for use in study of brain and nervous diseases (Physiology)		\$1,325.00
Syme, David, The, Charitable Trust, religious centre organ appeal		\$60.00
Tileman (Australasia) Pty Ltd, prize (Civil Engineering)		\$40.00
Tjong, Mrs M. A., in memory of Mrs Linda Urch (Obstetrics and Gynaecology)		\$20.00
University of Melbourne, publishing expenses, the Australian Journal of French Studies (French)		\$900.00
Victoria Law Foundation, as follows:		\$35,422.87
Subsidy for the publication of a law review (Law)	\$2,500.00	

Grant for the development of the criminology collection (Law)	\$27,500.00
Research grant, 'Imperial Acts Application Act', Mrs G. Kewley (Law)	\$5,422.87
Walters, Associate Professor W. A. W., research in obstetrics and gynaecology, (Obstetrics and Gynaecology)	\$127.20
Water Research Foundation of Australia, 'Urban water resources modelling research project', Professor Laurenson (Civil Engineering)	\$3,200.00
Western Mining Corporation Ltd:	\$1,750.00
Grant for geological education and training (Earth Sciences)	\$400.00
Undergraduate scholarship awarded to Mr G. M. Morris	\$1,000.00
Provision of travel to Japan for students (Japanese)	\$350.00
Wheat Industry Research Council, support of project on soil micro-organisms, Professor A. A. Holland (Botany)	\$6,711.79
Wilson Electric Transformer Co., prizes (Electrical Engineering)	\$100.00
Wool Research Trust Fund:	\$42, 651.88
'Macrocyclic metal complexes based on amino acids', Dr D. Black (Chemistry)	\$26,229.90
'Measurement of gonadotrophin', Drs H. G. Burger and A. J. Findlay (Medicine)	\$16,421.98
World Health Organization, grant for 'Bacteriologic studies on leptospirosis', Professor S. Faine (Microbiology)	\$1,106.11
Beecham (Australia) Pty Ltd, chemicals for use in bacterial research, Professor B. Holloway (Genetics).	
Dupont Sorvall Corporation, Sorvall J. B. 4 Microtome to Dr T. P. O'Brien, for development work on microtome (Botany).	
Dyer, Dr K., gift of book collection to department of Genetics.	
Gestetner Pty Ltd, use of Gestetner electric duplicator for the duration of the Monash University Organ Appeal, free of charge.	
German Consulate, Goethe Prize for 1975, of books and certificate (German).	
Ernst Leitz and Co., Quartz Oakfield Condenser, to Professor Nairn of the department of Pathology and Immunology.	
Matheson, Dr Louis, Vice-Chancellor, a number of 78 r.p.m. recordings to the Music department, and a number of artifacts to the museum of department of Classical Studies.	
Ministry of Fuel and Power, copy of three-volume report dealing with hydrogenation of Victoria's brown coals, prepared by F. S. Sinnatt and G. E. Baragwanath. Now lodged in Hargrave Library.	
William, A. J., electrical instruments manufacturer, gift of instruments for teaching second year engineering students in electrical measurements laboratory.	

In addition to the above gifts and grants there have been many gifts of books, journals and other material, some very valuable, to the library and departmental libraries.

The appeal by the University for the building of a pipe organ in Robert Blackwood Hall as a tribute to the first Vice-Chancellor, Dr J. A. L. Matheson, had reached a total of \$304,690.00 by 31 December 1975. The appeal will be concluded in 1976.

The appeal by the churches and Jewish community for the building of the religious centre and its organ reached a total of \$244,647 by 31 December 1975. The library fund appeal reached a total of \$165,080, the development fund \$15,228.00, and the special education fund \$3,947.00.

The following research grants recommended by the National Health and Medical Research Council, were approved by the Australian Government.

<i>Investigator</i>	<i>Project Title</i>	<i>Grant \$</i>
<i>Anatomy</i>		
Professor G. C. Schofield	Histamine production in epithelial cells of the gastric mucosa	1,750
Dr D. M. de Kretser	Ultrastructural and hormonal studies on the human and mammalian testis	7,345
<i>Biochemistry</i>		
Professor J. Bornstein	Pituitary polypeptides and metabolic control in diabetes mellitus	17,899
Professor A. W. Linnane	Development of new anti-fungal, anti-protozoal compounds for clinical use	15,850
Dr F. A. Stephenson and Professor J. Bornstein	Development of radio-immuno-assays for part sequences of growth hormones	8,732
<i>Genetics</i>		
Professor B. W. Holloway, Dr A. F. Morgan and Mrs. L. V. Asche	Detection and characterization of antibiotic resistance plasmids in hospital strains of pseudomonas aeruginosa	9,631
<i>Medicine</i>		
Dr R. M. Fox	Mechanisms of DNA replications: the pharmacology of cytotoxic drugs	11,306
<i>Microbiology</i>		
Professor S. Faine	Pathogenesis and virulence in leptospirosis	11,806
Dr E. G. Westaway	Biochemical and immuno-chemical studies of arboviruses	9,958
Dr E. G. Westaway	Translation of arbovirus proteins in animal cells	1,000
<i>Obstetrics and Gynaecology</i>		
Dr A. Lopata	The action of Luteinizing hormone on the onset of meiotic maturation in explanted rat oocytes	10,502
<i>Paediatrics</i>		
Associate Professors R. A. MacMahon and G. M. Kellerman	Intravenous feeding of premature babies	9,362
<i>Physiology</i>		
Professor R. Porter	Central nervous mechanisms controlling limb movement	28,308

<i>Investigator</i>		<i>Project Title</i>	<i>Grant \$</i>
MEDICAL POSTGRADUATE RESEARCH SCHOLARSHIPS			
Dr T. N. Cutter	\$8850	Consumables grant	\$600
Dr J. Dent	\$8850	Consumables grant	\$600
Dr S. R. Holdsworth	\$8240	Consumables grant	\$600
Dr P. G. Matthews	\$9460	Consumables grant	\$600
Dr W. Osborne	\$9460	Consumables grant	\$600
Dr M. A. Schwarz	\$8850	Consumables grant	\$600
Dr J. Touli	\$8850	Consumables grant	\$600
Dr P. T. Yeo	\$9460	Consumables grant	\$600

The following research grants, recommended by the Australian Research Grants Committee, were approved by the Australian Government:

ARTS

Anthropology and Sociology

Dr D. J. Austin	A study of the symbolism of social class in religious practice and belief among a spectrum of Christian congregations in working and middle class areas of Kingston, Jamaica	1,425
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Geography

Dr A. P. Kershaw	The vegetation history of north-east Queensland	3,894
Dr C. A. Maher	Process and structure in urban evolution— aspects of residential change in Melbourne	1,700

German

Associate Professor M. G. Clyne	Multilingual communication and cross-cultural conflict in Australia	10,200
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ENGINEERING

Chemical Engineering

Dr D. V. Boger and Dr C. Tiu	Accelerating and deaccelerating flows of visco- elastic fluids	18,818
Associate Professor F. Lawson	Study of the kinetics and mechanism of cemen- tation reactions	2,200
Dr R. B. Newell	The dynamics and control of chemical reactions in a continuous stirred-tank reactor	4,200
Professor O. E. Potter	Mass transfer in the oxidation of cyclohexane	3,000
Professor O. E. Potter and Mr A. B. Whitehead	Similarity in fluidization	20,308

Electrical Engineering

Professor K. Morsztyn	Modelling, control and optimization of large dynamic power systems (power systems simu- lator studies)	5,000
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<i>Investigator</i>	<i>Project Title</i>	<i>Grant \$</i>
Dr S. J. Redman	The application of electrical circuit models of neurones to the analysis of junctional mechanisms	4,671
<i>Mechanical Engineering</i>		
Dr J. B. Hinwood	Cellular structure in turbulent shear flow	2,453
Professor W. H. Melbourne	Aerodynamic loading and response for bluff bodies in turbulent flow	8,782
MEDICINE		
<i>Physiology</i>		
Associate Professor G. A. Bentley	The investigation of a new technique for screening and studying analgesic drugs	1,200
Dr C. L. Gibbs and Dr D. Loissele	Resting metabolism (heat production) of isolated papillary muscle	600
Dr W. R. Gibson	Endocrine factors which influence lipid deposition in chickens	600
Dr G. D. S. Hirst and Professor M. E. Holman	The properties and synaptic connections of the nerve cells of the intestine	6,035
Professor M. E. Holman	Innervation of smooth muscle	17,094
Dr I. R. McDonald	Adrenal function in the Australian monotremes and marsupials	10,068
Professor A. K. McIntyre	Neural mechanisms of cutaneous sensation	13,450
Professor A. K. McIntyre and Dr U. Proske	Role of deep receptors in control of skeletal muscle	8,616
Professor R. Porter	Factors involved in dynamic control of movement	10,650
Dr G. S. Taylor and Professor M. E. Holman	The cellular physiology of the sphincters of the gastro-intestinal tract	1,200
Dr R. A. Westerman	Mammalian nerve-muscle interactions	20,050
Dr R. A. Westerman	Isolated tracheal smooth muscle	4,800
Dr M. Weiss	Biogenesis of steroids by the adrenal tissue of the Australian monotremes and marsupials	1,550
<i>Biochemistry</i>		
Dr J. McD. Armstrong	Specificity and regulation of phosphoprotein phosphatases of mammalian tissues	1,500
Dr L. Austin and Dr C. Kwok	The role of the cell body in the renewal of axonal and synaptic components	9,942
Dr P. D. Crowfoot and Professor A. W. Linnane	The effects of altered biochemical function on the structure and function of mitochondrial membranes	9,464

<i>Investigator</i>	<i>Project Title</i>	<i>Grant \$</i>
Dr P. L. Jeffrey and Dr L. Austin	Turnover of synaptic components	8,964
Professor A. W. Linnane and Dr H. B. Lukins	Biogenesis of mitochondria	20,309
Professor A. W. Linnane and Dr P. Nagley	Information macromolecules in nucleocyto- plasmic interactions	8,681
Dr B. G. Livett	Role of membrane fusion in the release of neurotransmitters	900
Professor D. A. Lowther, Dr C. J. Handley and Dr B. N. Preston	Regulation of matrix formation as an expression of the differentiated state of chondrocytes cultured <i>in vitro</i>	2,500
Professor D. A. Lowther and Dr W. H. Murphy	The biochemistry of cartilage glycoproteins	2,000
Professor D. A. Lowther and Dr E. C. Robinson	Structural studies of connective tissues includ- ing factors involved in the maintenance of cartilage	11,400
Dr B. N. Preston	Physico-chemical studies on model connective tissue systems	2,000
<i>Microbiology</i>		
Dr R. C. Bayly	Evolutionary relatedness of enzymes of meta- fission degradative pathways	7,431
SCIENCE		
<i>Botany</i>		
Professor M. J. Canny and Mr P. F. Lumley	Diffusion-analogue properties of translocation	9,700
Dr T. P. O'Brien	Cell biology of grasses with special emphasis on cereals	10,600
Dr M. N. Clayton	Studies on the variability and taxonomy of the dictyosiphonales (phaeophyta)	4,600
Dr D. F. Gaff	Desiccation tolerant plants, particularly grasses	7,364
Dr N. D. Hallam	Fine structure of plants adapted to desiccation	9,900
<i>Chemistry</i>		
Professor R. D. Brown, Dr P. D. Godfrey and Dr G. L. Blackman	Molecules in space	29,958
Dr R. F. C. Brown and Dr F. W. Eastwood	Methyleneketenes and Methylenecarbenes	9,342
Dr D. J. Collins	Studies of the relation between stereochemistry and biological activity of oestrogens: syn- thesis of 7 (8 11) <i>abeo</i> -oestrodiol	9,282
Dr D. J. Collins, Dr F. W. Eastwood and Professor J. M. Swan	Chemical studies of solanum alkaloids	800

<i>Investigator</i>	<i>Project Title</i>	<i>Grant \$</i>
Dr D. StC. Black	Methods of synthesis based on nitronc cyclo-addition reactions	8,607
Dr F. R. Burden	Simulation studies of atmospheric reactions	4,900
Dr G. B. Deacon	Lanthanide and actinide organometallics	11,075
Dr R. S. Dickson	Organometallic intermediates in the transition metal assisted reactions of substituted alkynes	8,837
Dr F. W. Eastwood	Intramolecular addition of an hydroxyl group to an amide assisted by neighbouring groups: models for enzymic hydrolysis	10,558
Dr B. M. Gatehouse	Crystal chemistry of the solid state	11,844
Dr R. K. Haynes	Lewis acid catalysed oxygenation of olefins and aromatic compounds	5,900
Professor W. R. Jackson	Asymmetric addition reactions of hydrogen cyanide: a potential new route to resolved amino acids	5,100
Professor W. R. Jackson	Metal catalysed rearrangements of cyclic hydrocarbons	12,250
Dr J. E. Kent	Photochemical studies of benzene and benzene isomers	1,000
Dr F. P. Larkins	Theoretical studies in X-ray and in electron spectroscopy	8,595
Dr F. P. Larkins	Chemisorption and catalytic studies on oxide systems	8,112
Dr I. R. McKinnon, Dr J. G. Mathieson and Dr I. R. Wilson	Chemistry of the lower stratosphere	3,600
Dr K. S. Murray	Single crystal magnetic and spectral studies of inorganic and bioinorganic compounds	3,600
Dr K. S. Murray	Biological iron compounds	1,500
Dr M. F. O'Dwyer, Dr J. E. Kent and Dr R. J. Shaw	Perturbations in the lowest excited singlet state of sulphur dioxide	3,640
Dr A. D. E. Pullin and Dr J. Mathieson	Inert gas matrix isolation studies	1,200
Dr I. D. Rae	NMR investigations of long-range fluorine-fluorine coupling in fluorostyrenes	9,082
Professor B. O. West and Dr K. S. Murray	Synthesis, chemistry and electrochemistry of organo-metallic and metallo derivatives of some transition elements	1,500
Professor B. O. West, Professor D. G. Lampard and Dr J. K. Yandell	Chemistry and pharmacology of sodium nitroprusside analogues	1,000
Dr I. R. Wilson and Dr M. W. Fuller	Metal ion catalysis in thiol oxidations and other systems of biological interest	1,000
Dr J. K. Yandell	Mechanisms of the reactions of maintenance: electron transfer enzymes	1,200

<i>Investigator</i>	<i>Project Title</i>	<i>Grant \$</i>
Dr J. Youatt	Ultrastructure and chemical changes in the developing sporangia of allomyces	5,132
<i>Earth Sciences</i>		
Dr L. A. Frakes	Sedimentation in Corner Inlet, Victoria	1,500
Professor B. E. Hobbs and Dr M. A. Ethridge	An experimental investigation of the influence of phase transformations on the mechanical properties of rocks	10,479
Dr I. A. Nicholls	The origin of potassium-rich volcanic rocks in island arc and continental margin environment	7,479
Dr I. A. Nicholls and Mr V. J. Wall	Crystallization and origin of the aluminous granitic magmas	5,000
Mr V. J. Wall	Experimental and thermodynamic studies of subsolidus relations in the system Ca-Mg-Fe-Si-C-O-H	5,000
<i>Genetics</i>		
Professor B. W. Holloway	A genetic approach to the study of the bacterial membrane	11,200
Professor B. W. Holloway, Dr V. Krishnapillai and Dr A. F. Morgan	Genetic organization of pseudomonas aeruginosa	8,249
Dr S. W. McKechnie and Dr P. D. Morgan	An elucidation of biochemical and genetic factors which maintain enzyme polymorphisms in drosophila melanogaster	1,750
Dr D. R. Smyth	Location of DNA synthesized in meiotic cells of liliun	1,000
<i>Mathematics</i>		
Professor J. N. Crossley	Effective algebra and model theory	6,385
Professor J. B. Miller	Partially ordered topological algebraic structures	14,250
Professor R. Van der Borgh	Finite amplitude convection in compressible fluids and its application to astronomical problems	10,650
<i>Mathematics/G.F.D. Laboratory</i>		
Dr R. A. de Szoeko	Wind mixed layer studies	4,000
<i>Physics</i>		
Dr J. D. Cashion and Dr J. A. Barclay	Studies of solids at low temperature and high magnetic fields	14,321
Dr R. Finlayson and Dr T. F. Smith	The study of superconducting transition metal alloys and compounds	8,150

<i>Investigator</i>	<i>Project Title</i>	<i>Grant \$</i>
Dr R. J. Fleming	Charge transport mechanism and alternating current electrical conductivity in some simple organic polymers	8,400
Dr P. R. W. Hudson and Dr T. F. Smith	Measurement of the thermal properties associated with solid state transitions	11,842
Dr A. C. McLaren	Direct observation and identification of crystal defects and their role in the mechanism of crystallization and deformation of minerals and rocks	2,000
<i>Physics</i>		
Dr P. P. Phakey	Transmission electron microscopy of shocked deformed rocks and certain exsolved minerals	1,020
Dr J. R. Pilbrow	Electron spin resonance in crystals and complexes	11,450
Associate Professor J. H. Smith	Magnetic properties of some mictomagnetic alloys and the metamagnetic compound Au_2Mn	2,000
Dr G. J. Troup	Antiferromagnetic resonance studies of doped haematite structures	2,220
Dr I. S. T. Tsong, Dr A. C. McLaren and Professor B. E. Hobbs	Applications of the ion beam spectro-chemical analyser in mineralogy, petrology and deformation studies	8,692
<i>Psychology</i>		
Dr J. L. Bradshaw and Mr N. C. Nettleton	Human information processing: determinants and correlates of performances	11,045
Dr C. S. Chen	Induction of audiogenic seizure susceptibility in normally seizure-resistant mice	6,611
Professor R. H. Day	Human movement perception: the basis of induced movement	7,957
Dr K. I. Forster	Visual processing of sentences	16,420
Dr D. R. Irvine	Studies of acoustic input to single cells in nonspecific, polysensory cortical and sub-cortical areas	300
Dr D. M. Thomson	Studies in episodic memory	7,654
Dr W. R. Webster	Single unit studies of the cochlear nucleus of the awake cat and the awake rabbit	9,800
Dr W. R. Webster and Dr L. M. Aitkin	Audio-visual integration in the central nervous system	400
Dr K. I. Forster	Visual processing of sentences	500
<i>Faculty of Science</i>		
Professor K. C. Westfold and Dr L. J. Gleeson	Synchrotron radiation in planetary atmospheres	3,000
Dr L. J. Gleeson	Cosmic-ray propagation in the solar system	1,000

<i>Investigator</i>	<i>Project Title</i>	<i>Grant \$</i>
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<i>Zoology</i>	Role of octopine dehydrogenase in energy metabolism of molluscs	2,530
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The following research grants recommended by the Australian Advisory Committee on Research and Development in Education, were approved by the Australian Government.

Faculty of Education

Professor R. P. Fisher	Activities which facilitate learning in lessons where self-paced curricula are used	15,682
Dr P. L. Gardner	Logico-grammatical items in science	11,500
Dr A. D. Spaul	The impact of the second world war on Australian education	5,463
Dr R. D. Linke	National survey on environmental education (supplementary grant)	209

Some of the gifts and grants shown above have payment schedules which extend over two or more years. The following table, which analyses the sources of grants and donations, shows actual funds received during 1975, and is therefore not reconcilable with the list.

<i>Sources of Grants and Donations</i>	<i>\$000</i>	<i>%</i>
Private donations and indirect Government research grants	1,435	55
Australian Research Grants Committee	842	32
National Health and Medical Research Council	309	12
Australian Advisory Committee on Research and Development in Education	40	1
	<u>\$2,626</u>	<u>100</u>

For and on behalf of the Council,
R. M. EGGLESTON,
Chancellor

ACCOUNTS FOR THE YEAR 1975

CERTIFICATE BY MONASH UNIVERSITY

In our opinion the statements which follow, numbered 1 to 19, correctly record the transactions of Monash University for the year ended 31 December 1975.

W. A. G. SCOTT
Vice-Chancellor

F. H. JOHNSON
Comptroller

9 June 1976

AUDITOR-GENERAL'S CERTIFICATE

PURSUANT TO THE PROVISIONS OF SECTION 36
OF THE MONASH UNIVERSITY ACT 1958

The books and accounts of Monash University for the year ended 31 December 1975 have been audited. In my opinion the statements of account which follow, numbered 1 to 19, correctly summarize the financial transactions for the year.

B. HAMILTON
Auditor-General

11 June 1976

(1) SUMMARY STATEMENT SHOWING INCOME AND EXPENDITURE FOR

	Recurrent Grant	Building Projects Grant	Equipment Grant	Teaching Hospitals		Special Research Grant
				Recurrent Grant	Building Projects Grant	
	\$	\$	\$	\$	\$	\$
INCOME						
State Government Grants					6,667	
Cwealth Government Grants	39,147,998	3,251,434	492,940	249,000	52,017	326,168
Other Income						
<i>Total Income</i>	39,147,998	3,251,434	492,940	249,000	58,684	326,168
<i>Less</i>						
EXPENDITURE						
Academic Activities	26,616,299	51,634	634,209	249,000		383,606
Academic Services	3,622,850		204,688			
Student Services	970,455		385			
General Services	6,535,347	3,786,562	18,042		8,048	500
Public Services	47,623		524 Cr.			
Other	44,488					
<i>Total Expenditure</i>	37,837,062	3,838,196	856,800	249,000	8,048	384,106
Surplus (Deficit) for the Year	1,310,936	(586,762)	(363,860)	—	50,636	(57,938)
Surplus (Deficit) at 1 January 1975	542,445	1,124,287	370,313	—	105,029	57,938
Prior Years' Adjustment						
ACCUMULATED SURPLUS AT 31 DECEMBER 1975	1,853,381	537,525	6,453	—	155,665	—

ALL GENERAL PURPOSES FOR THE YEAR ENDED 31 DECEMBER 1975

<i>Private & Indirect Gov't Research Grants</i>	<i>General Donations</i>	<i>Union Activities</i>	<i>Student Assist. Fund</i>	<i>Union Devel't Fund</i>	<i>General Auxiliary Activities</i>	<i>Fire Insurance Fund</i>	<i>Total</i>	<i>1974 Total</i>
\$	\$	\$	\$	\$	\$	\$	\$	\$
841,985							6,667	185,314
1,191,759	845,145	912,621	185	356,203	1,827,312	6,834	44,361,542 5,140,059	36,389,624 4,346,432
2,033,744	845,145	912,621	185	356,203	1,827,312	6,834	49,508,268	40,921,370
2,161,258	176,009						30,272,015	25,168,086
297	45,319						3,873,154	3,948,186
83,359	15,376						1,069,575	1,003,165
1,768	516,898			357,440	792,037		12,016,642	11,216,168
8,428							55,527	37,840
	30,350	824,464	44	59,295	813,146		1,771,787	1,680,923
2,255,110	783,952	824,464	44	416,735	1,605,183	—	49,058,700	43,054,368
(221,366)	61,193	88,157	141	(60,532)	222,129	6,834	449,568	(2,132,998)
512,215	593,549	(37,100)	8,125	85,109	1,624,959	103,654	5,090,523	7,223,521
	860		(860)					
290,849	655,602	51,057	7,406	24,577	1,847,088	110,488	5,540,091	5,090,523

(2) RECURRENT GRANT

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
31,262,000	Commonwealth Government Grants	39,147,998
31,262,000	<i>Total Income</i>	39,147,998
	<i>Less</i>	
	EXPENDITURE	
	<i>Academic Activities</i>	
	Teaching and Research—	
19,726,572	Salaries and Related Items	24,286,125
1,080,547	Maintenance	1,298,423
448,302	Computing Services	503,677
123,982	Equipment	68,524
131,742	Study Leave Travel	147,626
92,342	Appointment Costs	101,147
201,177	Other Items	210,777
21,804,664		26,616,299
	<i>Academic Services</i>	
	Libraries—	
1,522,869	Salaries and Related Items	1,852,410
877,261	Books and Journals	1,020,218
57,605	Maintenance	62,774
40,179	Computing Services	60,331
2,360	Equipment	2,252
904	Other Items	852
2,501,178		2,998,837
	Computing—	
407,545	Salaries and Related Items	480,904
232,643	Maintenance	242,592
561,188 Cr.	Recoveries	663,803 Cr.
2,382	Other Items	746
81,382		60,439
	Other Academic Services—	
342,882	Salaries and Related Items	514,324
83,564	Other Items	49,250
426,446		563,574
24,813,670	<i>Sub-Total Carried Forward</i>	30,239,149

(2) RECURRENT GRANT
 STATEMENT OF INCOME AND EXPENDITURE
 FOR THE YEAR ENDED 31 DECEMBER 1975
 (Continued)

1974 \$		1975 \$
24,813,670	<i>Sub-Total Brought Forward</i>	30,239,149
	<i>Student Services</i>	
268,134	Salaries and Related Items	345,889
613,485	Scholarships	612,739
13,737	Other Items	11,827
895,356		970,455
	<i>General Services</i>	
	Administration—	
2,239,407	Salaries and Related Items	2,740,902
53,545	Computing Services	97,844
39,093	Other Items	35,163
2,332,045		2,873,909
	<i>Overheads—</i>	
293,038	Postage, Telephones and Advertising	360,859
33,206	Furniture and Furnishings	27,974
431,945	Power, Lighting and Heating	525,720
334,641	Other Items	388,562
1,092,830		1,303,115
	<i>Buildings and Grounds—</i>	
1,656,658	Salaries and Related Items	1,901,660
372,497	Maintenance	437,287
14,676	Other Items	19,376
2,043,831		2,358,323
	<i>Public Services</i>	
	Continuing Education—	
35,184	Salaries and Related Items	44,948
2,132	Other Items	2,675
37,316		47,623
36,599	<i>Union Administration</i>	44,488
31,251,647	<i>Total Expenditure</i>	37,837,062
10,353	Surplus for the year	1,310,936
532,092	Surplus at 1 January 1975	542,445
542,445	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	1,853,381

(3) BUILDING PROJECTS GRANT
STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
177,498	State Government Grant	—
2,509,000	Commonwealth Government Grant	3,251,434
<u>2,686,498</u>	<i>Total Income</i>	<u>3,251,434</u>
	<i>Less</i>	
	EXPENDITURE	
	Teaching and Research—	
139,956	Equipment	51 634
5,108,494	New Buildings	3,392,716
168,447	Furniture and Furnishings	259,867
204,464	Site Development	133,979
<u>5,621,361</u>	<i>Total Expenditure</i>	<u>3,838,196</u>
<u>2,934,863</u>	Deficit for the year	586,762
4,059,150	Surplus at 1 January 1975	1,124,287
<u>1,124,287</u>	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	<u>537,525</u>

(4) EQUIPMENT GRANT

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
1,250,000	Commonwealth Government Grant	492,940
<u>1,250,000</u>	<i>Total Income</i>	<u>492,940</u>
	<i>Less</i>	
	EXPENDITURE	
	<i>Academic Activities</i>	
	Teaching and Research—	
732,939	Equipment	634,209
1,551	Minor Items	—
<u>734,490</u>		<u>634,209</u>
	<i>Academic Services</i>	
	Libraries—	
165,267	Books and Journals	26,964
4,859	Equipment	—
<u>170,126</u>		<u>26,964</u>
675,086	Computing	173,412
<u>8,838</u>	Other Academic Services	<u>4,312</u>
—	<i>Student Services</i>	<u>385</u>
	<i>General Services</i>	
11,930	Administration	2,389
—	Buildings and Grounds	15,653
<u>11,930</u>		<u>18,042</u>
	<i>Public Services</i>	
524	Continuing Education	524 Cr
	<i>Other Items</i>	
5,616	Union Activities	—
<u>1,606,610</u>	<i>Total Expenditure</i>	<u>856,800</u>
356,610	Deficit for the year	363,860
726,923	Surplus at 1 January 1975	370,313
<u>370,313</u>	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	<u>6,453</u>

TEACHING HOSPITALS

(5) RECURRENT GRANT

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
207,000	Commonwealth Government Grant	249,000
<u>207,000</u>	<i>Total Income</i>	<u>249,000</u>
	<i>Less</i>	
	EXPENDITURE	
	<i>Academic Activities</i>	
	Teaching and Research—	
90,075	Salaries and Related Items	116,422
116,925	Maintenance	132,578
<u>207,000</u>	<i>Total Expenditure</i>	<u>249,000</u>
<u>—</u>	SURPLUS FOR THE YEAR	<u>—</u>

(6) BUILDING PROJECTS GRANT

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
7,816	State Government Grant	6,667
55,041	Commonwealth Government Grant	52,017
<u>62,857</u>	<i>Total Income</i>	<u>58,684</u>
	<i>Less</i>	
	EXPENDITURE	
	Teaching and Research—	
2,649	Equipment	—
121,900	New Buildings	8,000
256	Furniture and Furnishings	48
<u>124,805</u>	<i>Total Expenditure</i>	<u>8,048</u>
61,948 (D)	Surplus for the year	50,636
166,977	Surplus at 1 January 1975	105,029
<u>105,029</u>	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	<u>155,665</u>

(7) SPECIAL RESEARCH GRANT

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
291,166	Commonwealth Government Grant	326,168
291,166	<i>Total Income</i>	326,168
	<i>Less</i>	
	EXPENDITURE	
	<i>Academic Activities</i>	
	Teaching and Research—	
233,793	Salaries and Related Items	335,569
6,363	Maintenance	36,287
197	Computing Services	—
766	Equipment	1,738
5,523	Other Items	10,012
246,642		383,606
	<i>General Services</i>	
151	Postage, Telephone and Advertising	500
246,793	<i>Total Expenditure</i>	384,106
44,373 (S)	Deficit for the year	57,938
13,565	Surplus at 1 January 1975	57,938
57,938	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	—

(8) PRIVATE AND INDIRECT GOVERNMENT RESEARCH GRANTS

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
815,417	INCOME	
	Commonwealth Government Grants	841,985
	Grants and Donations	
974,834	Government Financed Bodies	870,632
391,421	Other	321,127
1,366,255		1,191,759
2,181,672	<i>Total Income</i>	2,033,744
	<i>Less</i>	
	EXPENDITURE	
	<i>Academic Activities</i>	
	Teaching and Research—	
991,615	Salaries and Related Items	1,348,631
350,063	Maintenance	358,231
21,695	Computing Services	1,693
376,088	Equipment	402,404
46,578	Other Items	50,299
1,786,039		2,161,258
	<i>Academic Services</i>	
	Computing—	
8,601	Salaries and Related Items	—
	Other Academic Services—	
1,038	Salaries and Related Items	88 Cr.
445	Other Items	385
1,483		297
	<i>Student Services</i>	
94,449	Scholarships	83,359
	<i>General Services</i>	
166	Postage, Telephone and Advertising	1,417
2,290	Furniture and Furnishings	351
2,456		1,768
	<i>Public Services</i>	
	Continuing Education—	
—	Salaries and Related Items	7,384
—	Other Items	1,044
—		8,428
1,893,028	<i>Total Expenditure</i>	2,255,110
288,644 (\$)	Deficit for the year	221,366
223,571	Surplus at 1 January 1975	512,215
512,215	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	290,849

(9) GENERAL DONATIONS

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
INCOME		
	Donations—	
15,100	Government Financed Bodies	395,448
289,400	Other	196,294
<u>304,500</u>		<u>591,742</u>
	Appeals—	
35,785	Library Books	39,323
—	Robert Blackwood Hall—Organ	180,879
4,512	Other	2,451
<u>40,297</u>		<u>222,653</u>
18,386	Other Income	30,750
<u>363,183</u>	<i>Total Income</i>	<u>845,145</u>
<i>Less</i>		
EXPENDITURE		
	<i>Academic Activities</i>	
	Teaching and Research—	
55,748	Salaries and Related Items	38,550
51,213	Maintenance	64,444
73,548	Equipment	33,108
66,137	Other Items	39,907
<u>246,646</u>		<u>176,009</u>
	<i>Academic Services</i>	
	Libraries—	
—	Salaries and Related Items	716
53,821	Books and Journals	18,807
113	Maintenance	2,998
—	Equipment	344
<u>53,934</u>		<u>22,865</u>
—	Computing	412
	Other Academic Services—	
12,314	Salaries and Related Items	22,839
8,798	Other Items	797 Cr.
<u>21,112</u>		<u>22,042</u>
<u>321,692</u>	<i>Sub-Total Carried Forward</i>	<u>221,328</u>

(9) GENERAL DONATIONS
 STATEMENT OF INCOME AND EXPENDITURE
 FOR THE YEAR ENDED 31 DECEMBER 1975
 (Continued)

1974		1975
\$		\$
321,692	<i>Sub-Total Brought Forward</i>	221,328
	<i>Student Services</i>	
6,416	Salaries and Related Items	1,891
4,567	Scholarships	4,599
2,377	Other Items	8,886
13,360		15,376
	<i>General Services</i>	
360	Furniture and Furnishings	417
1,220	Other Items	3,104
1,580		3,521
	<i>Buildings and Grounds—</i>	
39,615 Cr.	New Buildings	513,377
132	Maintenance	—
39,483 Cr.		513,377
	<i>Other Items</i>	
1,676	Union Activities	4,138
—	Halls of Residence	120
	Appeals—	
1,585	Robert Blackwood Hall—Organ	17,588
12,191	Religious Centre—Organ	8,504
123	Other	—
15,575		30,350
312,724	<i>Total Expenditure</i>	783,952
50,459	Surplus for the year	61,193
543,090	Surplus at 1 January 1975	593,549
—	Prior Years' Adjustment	860
593,549	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	655,602

Note: Gifts in kind are detailed in section 13 of this report.

(10) UNION ACTIVITIES

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
602,371	INCOME	
75,304	Union Fees	832,503
	Other	80,118
<u>677,675</u>	<i>Total Income</i>	<u>912,621</u>
	<i>Less</i>	
	EXPENDITURE	
141,718	Sports Association	164,176
91,356	Monash Association of Students	118,204
7,059	Monash Research Students Association	8,658
46,515	Clubs and Societies Council	57,956
59,103	Union Tuition and Courses	69,620
142,728	Union Building Management	154,464
163,313	Union Administration and Special Projects	206,204
	Business Activities—	
65,994	Catering-Operating Deficit	84,911
12,600 Cr.	Other-Operating Surplus	16,703 Cr.
<u>53,394</u>		<u>68,208</u>
705,186		847,490
	<i>Less</i>	
17,911	Contribution by University for use of facilities by staff	23,026
<u>687,275</u>	<i>Total Expenditure</i>	<u>824,464</u>
9,600 (D)	Surplus for the year	88,157
27,500	Deficit at 1 January 1975	37,100
<u>37,100 (D)</u>	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	<u>51,057</u>

(11) STUDENT ASSISTANCE FUND

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
467	INCOME	185
—	<i>Less</i>	
	EXPENDITURE	44
<u>467</u>	Surplus for the year	<u>141</u>
7,658	Surplus at 1 January 1975	8,125
<u>8,125</u>		<u>8,266</u>
	<i>Less</i>	
—	Prior Years' Adjustment	860
<u>8,125</u>	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	<u>7,406</u>

(12) UNION DEVELOPMENT FUND
STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
200,422	Union Development Fees	276,960
72,288	Rentals and Other	79,243
<u>272,710</u>	<i>Total Income</i>	<u>356,203</u>
	<i>Less</i>	
	EXPENDITURE	
	<i>General Services</i>	
54,504	New Buildings	281,156
1,409	Furniture and Furnishings	11,323
13,599	Maintenance-Buildings	64,961
<u>69,512</u>		<u>357,440</u>
	<i>Other Items</i>	
18,286	Equipment	5,528
44,730	Occupancy Expenses	46,268
781	Other	7,499
<u>63,797</u>		<u>59,295</u>
<u>133,309</u>	<i>Total Expenditure</i>	<u>416,735</u>
139,401 (S)	Deficit for the year	60,532
54,292 (D)	Surplus at 1 January 1975	85,109
<u>85,109</u>	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	<u>24,577</u>

(13) GENERAL AUXILIARY ACTIVITIES
STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
856,196	Outside Earnings	1,035,763
807,654	Other Income	791,549
<u>1,663,850</u>	<i>Total Income</i>	<u>1,827,312</u>
	<i>Less</i>	
	EXPENDITURE	
	<i>General Services</i>	
	Buildings and Grounds—	
88,644	New Buildings	643,454
—	Site Acquisition	117,135
—	Site Development	30,000
1,582	Maintenance	466
7,529	Other Items	982
<u>97,755</u>		<u>792,037</u>
	<i>Other Items</i>	
3,394 Cr.	University Bookshop—Net Surplus	25,271 Cr.
1,508	Halls of Residence—Net Surplus	133,799 Cr.
—	Non-Collegiate Flats—Equipment and Furniture	35,275
5,319	Owned Houses and Transit Flats	3,268 Cr.
872,323	Outside Earnings	943,643
3,695 Cr.	Other	3,434 Cr.
<u>872,061</u>		<u>813,146</u>
969,816	<i>Total Expenditure</i>	<u>1,605,183</u>
694,034	Surplus for the year	222,129
980,925	Surplus at 1 January 1975	1,624,959
<u>1,674,959</u>		<u>1,847,088</u>
50,000	Transfer to Fire Insurance Fund	—
<u>1,624,959</u>	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	<u>1,847,088</u>

(14) FIRE INSURANCE FUND

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
2,292	Income from Investments	6,834
—	<i>Less</i>	—
	EXPENDITURE	
2,292	Surplus for the year	6,834
51,362	Surplus at 1 January 1975	103,654
50,000	Transfer from General Auxiliary Activities	—
103,654	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	110,488

(15) STATEMENT OF BALANCES FOR ALL GENERAL PURPOSES
AT 31 DECEMBER 1975

\$	1974 \$		\$	1975 \$
		ACCUMULATED FUNDS		
542,445		Recurrent Grant	1,853,381	
1,124,287		Building Projects Grant	537,525	
370,313		Equipment Grant	6,453	
—		Teaching Hospitals Recurrent Grant	—	
105,029		Teaching Hospitals Building Projects Grant	155,665	
57,938		Special Research Grant	—	
512,215		Private and Indirect Government Research Grants	290,849	
593,549		General Donations	655,602	
37,100 Dr.		Union Activities	51,057	
8,125		Student Assistance Fund	7,406	
85,109		Union Development Fund	24,577	
1,624,959		General Auxiliary Activities	1,847,088	
103,654		Fire Insurance Fund	110,488	
	<u>5,090,523</u>	<i>Total Accumulated Funds</i>		<u>5,540,091</u>
		<i>Represented by:</i>		
		INVESTMENTS		
318,298		Fixed-Interest Securities at lower of cost or par	319,298	
391,632		Ordinary Shares, at cost	421,871	
		(Market Value—		
		31 December 1975 \$368,899		
		31 December 1974 \$226,354)		
	<u>709,930</u>			<u>741,169</u>
		CURRENT ASSETS		
35,532		Cash at Bank and on Hand	22,058	
400,000		Cash on Secured Deposits	800,000	
5,800,000		Cash on Term Deposits	6,800,000	
<u>6,235,532</u>			<u>7,622,058</u>	
		Debtors—		
1,094,000		Accrued Government Grants	251,676	
6,270		Student Assistance Fund	3,337	
805,829		Other	733,632	
624,132		Stock on Hand, at cost less obsolescence	652,750	
114,096		Payments in Advance	98,407	
	<u>8,879,859</u>			<u>9,361,860</u>
	<u>9,589,789</u>			<u>10,103,029</u>
		<i>Less</i>		
		CURRENT LIABILITIES		
		Bank Overdraft	13,475	
3,069,983		Sundry Creditors and Accrued Expenses	3,018,890	
388,676		Students' Fees Received in Advance	511,019	
<u>3,458,659</u>			<u>3,543,384</u>	
		LONG TERM LIABILITIES		
1,040,607		Loans on Mortgage	1,019,554	
	<u>4,499,266</u>			<u>4,562,938</u>
	<u>5,090,523</u>	<i>Net Assets</i>		<u>5,540,091</u>

(16) DONOR-NOMINATED TRUST FUNDS
STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
5,230	INCOME	
	Income from Investments	6,036
	<i>Less</i>	
	EXPENDITURE	
—	Graham John Beard Memorial Fund	800
600	J. W. Dodds Memorial Scholarship	—
725	Vallejo Gantner Memorial Travel Fund	675
726	Oscar Mendelsohn Lecture	173
54	Monash University Rowing Club	55
—	W. P. and H. E. O'Shea Fund	72
100	The David B. Rosenthal Memorial Trust	50
—	Hume Turnbull Scholarship	2,060
2,015	William and Katherine Winter Foundation	1,763
4,220	<i>Total Expenditure</i>	5,648
1,010	SURPLUS FOR THE YEAR	388

BALANCE SHEET AT 31 DECEMBER 1975

1974 \$		1975 \$
87,193	ACCUMULATED FUNDS	
	Funds at 1 January 1975	98,203
	<i>Add</i>	
10,000	Endowment received during the year	500
1,010	Surplus for the year	388
98,203	<i>Total Accumulated Funds</i>	99,091
	<i>Represented by:</i>	
	INVESTMENTS	
1,000	Government Securities at cost	1,000
60,978	Semi-Government Securities at lower of cost or par	60,978
27,960	Fixed-Interest Securities at lower of cost or par	27,960
2,917	Ordinary Shares at cost	2,917
	(Market Value	
	31 December 1975—\$2,144	
	31 December 1974—\$1,540)	
92,855		92,855
	CURRENT ASSETS	
5,348	Cash at Bank	6,236
98,203	<i>Assets</i>	99,091

(17) STUDENTS' LOAN FUND

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
1,679	Interest on Loans	2,043
1,555	Interest on Fixed Deposits	1,070
491	Bank Interest	286
6	Donations	—
<u>3,731</u>	<i>Total Income</i>	<u>3,399</u>
	<i>Less</i>	
	EXPENDITURE	
350	Loans written off	—
19	Interest written off	—
<u>369</u>	<i>Total Expenditure</i>	<u>—</u>
<u>3,362</u>	SURPLUS FOR THE YEAR	<u>3,399</u>

BALANCE SHEET AT 31 DECEMBER 1975

1974 \$		1975 \$
	ACCUMULATED FUND	
127,165	Fund at 1 January 1975	130,527
	<i>Add</i>	
3,362	Surplus for the year	3,399
<u>130,527</u>	<i>Total Accumulated Fund</i>	<u>133,926</u>
	<i>Represented by:</i>	
	FIXED DEPOSITS	
15,000	Principal	10,000
727	Accrued Interest	497
<u>15,727</u>		<u>10,497</u>
	LOANS TO STUDENTS	
97,134	Long-Term	107,181
3,807	Short-Term	6,686
2,559	Accrued Interest	3,025
<u>103,500</u>		<u>116,892</u>
<u>11,300</u>	CASH AT BANK	<u>6,537</u>
<u>130,527</u>	<i>Assets</i>	<u>133,926</u>

(18) ASSISTANCE TO STUDENTS IN NEED FUND
 STATEMENT OF INCOME AND EXPENDITURE
 FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
9,363	Interest on Fixed Deposits	9,481
303	Interest on Loans	528
300	Bank Interest	324
<u>9,966</u>	<i>Total Income</i>	<u>10,333</u>
	<i>Less</i>	
	EXPENDITURE	
16,007	Grants paid to Students during the year	8,616
1,073	Loans converted to Grants during the year	—
—	Sundry Expenses	49
<u>17,080</u>	<i>Total Expenditure</i>	<u>8,665</u>
<u>7,114 (D)</u>	SURPLUS FOR THE YEAR	<u>1,668</u>

BALANCE SHEET AT 31 DECEMBER 1975

1974 \$		1975 \$
	ACCUMULATED FUND	
167,288	Fund at 1 January 1975	160,174
7,114 (D)	Surplus for the year	1,668
<u>160,174</u>	<i>Total Accumulated Fund</i>	<u>161,842</u>
	<i>Represented by:</i>	
	FIXED DEPOSITS	
115,000	Principal	115,000
5,266	Accrued Interest	4,865
<u>120,266</u>		<u>119,865</u>
	LOANS TO STUDENTS	
31,402	Principal	34,428
197	Accrued Interest	580
<u>31,599</u>		<u>35,008</u>
<u>8,309</u>	CASH AT BANK	<u>6,969</u>
<u>160,174</u>	<i>Assets</i>	<u>161,842</u>

(19) SUPERANNUATION AND PENSION SCHEMES

STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 31 DECEMBER 1975

1974 \$		1975 \$
	INCOME	
273,967	Members' Contributions	393,192
476,430	University's Contributions	658,740
155,861	Income from Investments	274,807
33,245	Other income	108,222
939,503	<i>Total Income</i>	1,434,961
	Less	
	EXPENDITURE	
45,904	Benefit payments to members	121,835
43,289	Payments on withdrawal	61,269
422	Other payments	777
89,615	<i>Total Expenditure</i>	183,881
849,888	Surplus for the year	1,251,080
1,899,772	Surplus at 1 January 1975	2,749,660
2,749,660	ACCUMULATED SURPLUS AT 31 DECEMBER 1975	4,000,740

BALANCE SHEET AT 31 DECEMBER 1975

*(Excluding contributions applied as premiums to assurance policies
effected under the Staff Superannuation Scheme)*

1974 \$		1975 \$
2,749,660	ACCUMULATED FUNDS Accumulated Surplus	4,000,740
	<i>Represented by:</i>	
	INVESTMENTS	
1,472,503	Fixed Interest Securities at lower of cost or par	2,458,734
929,905	Ordinary Shares, at cost (Market Value— 31 December 1975—\$1,020,575 31 December 1974—\$532,037)	1,077,734
336,084	Property and Mortgage Investment Trust Units, at cost	404,913
2,738,492		3,941,381
	CURRENT ASSETS	
16,677	University Current Account	69,152
5,509 Cr.	Less Members' Contributions on hand at 31 December (awaiting remittance to life offices)	9,793 Cr.
11,168		59,359
2,749,660	<i>Net Assets</i>	4,000,740

