

MONASH UNIVERSITY

Report  
of the  
Council

1962



NORMAN F. PERRY

**REPORT OF THE COUNCIL  
OF MONASH UNIVERSITY  
1962**

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# REPORT OF THE COUNCIL AND FINANCIAL STATEMENTS FOR 1962

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To His Excellency the Governor of Victoria, Major-General  
Sir Rohan Delacombe, K.B.E., C.B., D.S.O.

May it please Your Excellency,

I have the honour to submit, in accordance with section 41 of the *Monash University Act 1958*, the second annual report of the Council of the University.

## 1. THE COUNCIL

Council held ten meetings during the year, one in each month from March to December inclusive. All meetings except that in June, when his place was taken by the Deputy Chancellor, were presided over by the Chancellor, Sir Robert Blackwood, who was re-elected Chancellor at the March meeting. At the same meeting Mr. M. Chamberlin was re-elected Deputy Chancellor.

Membership of Council remained unchanged during the year except that at its December meeting Council learned with sorrow of the sudden death of Mr. A. R. Shannon who, as Chief Inspector of Technical Schools, had been a member of Council since November 1961.

During the year Dr. F. W. G. White was honoured by Her Majesty the Queen in the Birthday Honours List, being appointed a Knight Commander of the Order of the British Empire.

## 2. DISTINGUISHED VISITORS

In October the University was honoured by the presence of its then Visitor, His Excellency the Governor of Victoria, Sir Dallas Brooks, accompanied by Lady Brooks.

In October also the University was honoured by a visit from the Prime Minister of Australia, the Right Honourable Robert G. Menzies (later Sir Robert Menzies).

The Australian Universities Commission visited the University in April and July.

Mrs. Herbert Brookes accompanied by her sisters, Lady White and Lady Rivett, visited the University to open and name Deakin Hall.

Professor Sir Keith Hancock visited the University to open and name the Hargrave Library.

The following Ministers of the Government of Victoria paid informal visits to the University during the year:

The Chief Secretary and Attorney-General, the Honourable A. G. Rylah

The Minister of Education, the Honourable J. S. Bloomfield

The Minister of Health, the Honourable R. W. Mack

The Minister of Public Works, the Honourable H. R. Petty

The Minister for Local Government, the Honourable M. V. Porter

The Minister of Labour and Industry, the Honourable G. O. Reid

The Acting Minister of Education, the Honourable L. H. S. Thompson

The increasing interest which the University is attracting, both in Australia and overseas, was reflected in the large number of visitors who came to look round; they included representatives of State instrumentalities, the diplomatic and consular services, universities and other educational organizations.

### 3. DEVELOPMENT OF SITE AND BUILDINGS

Inevitably a great deal of time and energy continued to be given to the physical development of the University. The buildings for Zoology, Senior Chemistry and Senior Physics came into use early in the year, together with the Science/Engineering library building (at present in use as the main University library) and stage one of the Engineering buildings. The first Hall of Residence was completed to the point at which it was able to provide accommodation for 76 students and 6 members of staff in 1962. Its naming ceremony as "Deakin Hall" was closely followed by a similar ceremony for the Science/Engineering library which was named "The Hargrave Library". In this way the University has honoured the memory of two outstanding Australians, Mr. Alfred Deakin and Mr. Lawrence Hargrave.

By the end of the year the first stage of the twelve-storey Humanities building, a further part of the Engineering buildings and the first stage of the Medical school had reached an advanced stage of construction in preparation for use from the first term of 1963. Further work on the Engineering school was put in hand together with the first stage of the central library building. The designing of the Administration and Union buildings was finalized so that contracts might be let early in 1963.

Meanwhile site works connected with the various buildings were carried out and the designing and layout of the grounds continued. It has always been the intention of Council that the grounds of the University should be one of its attractive features and this intention now begins to be realized.

The building to house the clinical school at Alfred Hospital was nearing completion by the close of the year and planning of buildings

at Prince Henry's Hospital and Queen Victoria Hospital was well advanced.

During the year, forward planning for the forthcoming 1964-1966 triennium was carried through in connection with the submission of building estimates for that period to the Australian Universities Commission. A total capital expenditure of £15,835,000 was envisaged for the triennium.

#### 4. STAFF APPOINTMENTS

The establishment of second year teaching and the near approach of third year teaching, together with an increase in postgraduate students from 10 in 1961 to 41 in 1962 inevitably made the year one of considerable expansion in staff numbers. The total of 49 members of the academic staff, including the dean of the faculty of Medicine, given in the 1961 Report had increased by December 1962 to 121. This number was made up as follows (the number given in brackets is the number who took up their appointment at Monash in 1962):

|                         | Arts          | Economics and Politics | Engineering  | Medicine      | Science       | Total          |
|-------------------------|---------------|------------------------|--------------|---------------|---------------|----------------|
| Professors              | 5( 1)         | 2( 1)                  | 2( 1)        | 5( 2)         | 5( 1)         | 19( 6)         |
| Readers                 | —             | —                      | —            | 1( 1)         | —             | 1( 1)          |
| Senior Lecturers        | 10( 5)        | 3( 2)                  | 4( 0)        | 4( 3)         | 9( 3)         | 30(13)         |
| Lecturers               | 15(10)        | 10( 8)                 | 0( 0)        | 4( 3)         | 12( 6)        | 41(27)         |
| Senior Teaching Fellows | 4( 2)         | 2( 2)                  | 0( 0)        | 6*(6)         | 9( 4)         | 21( 4)         |
| Teaching Fellows        | 3( 3)         | 0( 0)                  | 0( 0)        | 1( 1)         | 5( 1)         | 9( 5)          |
| <b>TOTAL</b>            | <b>37(21)</b> | <b>17(13)</b>          | <b>6( 1)</b> | <b>21(16)</b> | <b>40(15)</b> | <b>121(66)</b> |

\*including 5 Anatomy demonstrators.

In addition, administrative staff at grades corresponding to the above increased from 15 to 21. The corresponding library staff remained at its 1961 level of 11.

The overall number of staff on the University payroll stood at 259 at the end of 1961; it had increased to 452 at December 31, 1962.

Of the academic staff recruited during the year, 46 (of whom 38 had taken their first degree in Australia and 8 overseas) were recruited from Australia and 25 (of whom 13 had taken their first degree in Australia and 12 overseas) were recruited from overseas.

The following professors took up their duties in 1962:

Laufer, R. M. A., L. ès L., Agrégé de l'Université *Paris* (French)  
 Davis, S. R., Ph.D. *Lond.*, LL.B. *W.A.* (Politics)  
 Lampard, D. G., Ph.D. *Cantab.*, M.Sc. *Syd.* (Electrical Engineering)  
 McIntyre, A. K., M.B., B.S., D.Sc. *Syd.* (Physiology)  
 Hudson, Bryan, M.D., B.S., Ph.D. *Melb.*, M.R.A.C.P. (Medicine)  
 Bolton, H. C., B.Sc., Ph.D. *Lond.* (Theoretical Physics)

The following professors were appointed in 1962 and will take up their duties in 1963:

Marwick, M. G., B.A. *S.A.*, M.A., Dip. Ed. *Natal*, Ph.D. *Cape T.*  
 (Anthropology and Sociology)  
 Barden, R. G., B.Sc., Ph.D. *Lond.*, B.E. *Adel.* (Fluid Mechanics)  
 Marmion, B. P., M.D., B.S. *Lond.*, M.R.C.S., L.R.C.P. (Micro-  
 biology)  
 Nairn, R. C., M.D., Ch.B., Ph.D. *Liv.* (Pathology)  
 Dudley, H. A. F., M.B., Ch.M. *Edin.*, F.R.C.S. *Edin.* (Surgery)  
 Preston, G. B., M.A., D.Phil. *Oxon.* (Pure Mathematics)

The problem of staff recruitment remains a difficult one: nevertheless the University has been fortunate in the quality of staff it has been able to attract.

## 5. ACADEMIC DEVELOPMENT

During the year regular meetings of the Professorial Board were held and the work of the Board became more firmly established as the faculties developed. Details of courses of study for first degrees were laid down and regulations governing both first and higher degrees in all existing faculties were adopted. The task ahead is the development and expansion of existing faculties and departments, the addition of others as need and opportunity arise and the creation of that pattern of inter-departmental and inter-faculty relations which will be most enduring and will give the best results in future years.

In this connection it should be noted that much thought has been given to what should be the priorities in the establishment of new faculties and disciplines. In addition to the professorships filled in 1962 as listed above, decisions were taken to set up the following chairs: Classics, Education, Law, Obstetrics and Gynaecology, and Russian. The decision concerning the chair of Law was taken in view of representations from the Victorian Bar Council and the Council of Legal Education that a faculty of Law was necessary in 1962. Establishment in 1962 was impossible but it was decided to fill the chair and commence teaching in 1964.

At its final meeting in 1962 Council took steps to consider proposals



for and priorities in the establishment of further chairs as follows: Botany, Geology, Chemistry (second chair), Economics (second chair), German, History (second chair), Indonesian, Linguistics, Psychology.

Teaching was undertaken at first and second year levels in 1962; third year studies begin in 1963 and the University will have its first graduates at the end of the year. Meanwhile, Mr. R. I. Cashman became the first to qualify for a higher degree with a thesis on *Nonconformists in Victoria in the 1850's* which was accepted as satisfying the requirements for the degree of Master of Arts.

The University continues for the present to accept as the requirement for admission the matriculation examination of the University of Melbourne. Discussions with the appropriate bodies concerning arrangements for the future are in hand.

The publication annually of faculty handbooks, giving full information about the faculties, courses of study and book lists, is now established and work is well advanced for the issue of the first University Calendar.

*Faculty of Arts* (Dean: Professor W. A. G. Scott,  
B.Litt. Oxon., B.A. Melb.)

Four departments — English, History, Modern Languages (French and German) and Philosophy — operated within the faculty in 1962, teaching at first and second year level. In addition to courses taught by these departments, some courses taught in other faculties were available to Arts students. Much emphasis continued to be placed on tutorials and personal supervision and close relations were thus maintained between staff and students. An encouraging number of students entered upon honours courses in their second year.

Consequent demands upon the time of staff were heavy and much time was also inevitably spent in planning future developments and deciding matters of policy. Nevertheless research was not neglected. The departments of History, Modern Languages and Philosophy supervised the work of graduate students and numerous articles and reviews were published by members of staff. An interesting publication was the list, comprising some 650 pages, of French Culture in the libraries of Melbourne compiled by members of the department of Modern Languages and of the Monash University library.

Some other activities deserve brief mention. The department of History, together with the department of Politics, co-operated with the University of Melbourne's department of Indonesian Studies in a series of postgraduate seminars relating to Indonesia. As part of an effort to bring the schools and the University into closer touch, the department of Modern Languages provided a seminar for teachers of

French during second term and a series of public lectures for German teachers during third term. In addition pre-university courses in French and German were offered to matriculation students. Papers were read by three members of the department of Philosophy to the Annual Congress of the Australasian Association of Philosophy held in Sydney. Members of the departments of English, French and German shared in giving a Council of Adult Education course in Modern Literature — the first course of its kind to be held at Monash.

Between August and December, Dr. R. A. Barrell engaged in an itinerary in North America investigating language laboratories and studying developments in the field of linguistics.

*Faculty of Economics and Politics* (Dean: Professor D. Cochrane, Ph.D. *Cantab.*, B.Com. *Melb.*)

Teaching at first and second year levels was carried on during the year in the departments of Economics and Politics.

In addition to the courses offered by these departments, some courses taught elsewhere in the University were available to students enrolled in the faculty.

The teaching commitments of staff and the necessity in a new university of planning ahead in faculty development have left little available time for research. Nevertheless members of staff have pressed on with their research projects. In addition an analysis was undertaken of the relationship between the results of students at matriculation and at the end of their first year at the University: research on this topic will continue.

A highly specialized library of statistical material is being developed in the faculty, ready access to the large range of statistical publications from Commonwealth, State and overseas sources being of the highest importance to students and staff in the fields of both Economics and Politics.

*Faculty of Engineering* (Dean: Professor K. H. Hunt, M.A. *Oxon.*, M.Mech.E. *Melb.*)

In 1962 first and second year students were enrolled in the faculty. Of the eight second year students, four were studying for the degree in Chemical Engineering. The fact that the number of students was small was fortunate in view of the necessarily limited facilities and staff available at this stage of development.

Inevitably, much attention has been devoted to planning for the future which has made great demands on the time of staff. Nevertheless research has been undertaken. The faculty was able to attract research

students and to obtain support from the Australian Atomic Energy Commission and the Australian Institute for Nuclear Science and Engineering for two of the projects in hand.

The first stage of the buildings of the school of Engineering was occupied early in 1962, some of the space being temporarily used by the department of Modern Languages and for the Ferranti Sirius computer of which the University took delivery during the year. Other buildings were in process of erection during the year and plans for future buildings were developed.

Among items of equipment installed may be mentioned the valuable gift of transformers and inductors from Wilson Electric Transformer Co. Pty. Ltd., and some apparatus in connection with Professor Lampard's research into communications, previously made according to his specifications and transferred to the University for the continuance of his studies. A Donner Analogue computer, complete with ancillary equipment, is on order.

The establishment of a £20,000 fund in memory of the late Sir Alexander Stewart, to assist Engineering graduates to further their studies, was a notable contribution to the life of the faculty.

*Faculty of Medicine* (Dean: Professor R. R. Andrew, M.D., Melb., F.R.C.P., M.R.A.C.P.)

Pending the completion of the first stage of the Medical school building for use in 1963, the departments of Anatomy, Biochemistry and Physiology in which courses were offered in 1962 operated in areas of the department of Chemistry, temporarily adapted for this use. In spite of difficulties, a good staff/student ratio has been achieved and as long as this and the integration of departments, which is our aim, can be maintained, the standard of the faculty will remain high.

At the request of the State Government, the University agreed to increase the entry number of medical students into first year as follows: 1963, 120; 1964, 135; 1965, 150.

This is the second increase in the rate of build-up to which the University has agreed since the original plan of 1960 and it throws considerable strain upon the faculty.

The faculty has been greatly helped by grants from various bodies, a list of which appears elsewhere in this Report, and research has not been neglected in spite of the inevitably heavy and varied demands in a new university upon the time of staff.

The dean of the faculty was given a grant by the Commonwealth Fund of New York which enabled him to spend seven weeks in the U.S.A. and three weeks in the U.K. visiting Medical schools.

In addition to the Medical school building, the first stage of which was nearing completion at the end of the year, work on the following

projects is in hand (the expected date of completion is given in a bracket):

Departments of Pathology and Microbiology at Alfred Hospital (July 1963);

Department of Medicine at Prince Henry's Hospital (June 1963);

Department of Obstetrics and Gynaecology at Queen Victoria Hospital (October 1964).

The Federal and State Governments have together contributed £1,925,000 for these projects and in addition, £50,000 to the new Royal Children's Hospital where Monash students will do their Paediatrics until facilities for this are available at the University.

The establishment of clinical schools at Alfred Hospital and Prince Henry's Hospital has necessitated arrangements concerning affiliation in each case, and negotiations were happily concluded. Similar negotiations have been authorized in relation to Queen Victoria Hospital, Royal Children's Hospital, Royal Park Receiving Home and Fairfield Hospital.

Among items of equipment installed during the year, the following may be mentioned:

Spectrophotometers — Strimadzer — 2 manual and 1 recording

Tricarb scintillator scaler — Packard

Ultramicrotomes L.K.B. (2)

Spectrophotofluorimeter — Farrand

Refrigerated centrifuge — Servall R.C.2 and Martin Christ

Automatic glass washing machine — Atherton

Preparative centrifuge — Spinco

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

The departments of Chemistry, Mathematics, Physics, and Zoology and Comparative Physiology offered first and second year courses in 1962. It is of interest to report that in a survey of opinion undertaken in connection with a report prepared for the Professorial Board on the tutorial system of teaching in the faculty, 90% of the students who participated expressed satisfaction with the present system or recommended an increase in the number of tutorial classes provided.

At the same time research has been undertaken in a number of fields, as the list of publications elsewhere in this Report indicates.

The faculty developed plans during the year to increase the number of disciplines available to its students.

In November, the University took delivery from Ferranti Ltd. of its 4,000 word Sirius computer. Prior to this Ferranti Ltd. made its own Sirius installation available at Monash and provided trained program-

ming staff until the appointment of a senior programmer to the staff of the University in December.

Other major items of equipment include an amino-acid analyzer, and equipment to extend the resolution of the nuclear magnetic resonance spectrometer to frequencies of 100 Mc/s. This is the second only of its type set up outside the U.S.A.

In August, Dr. W. D. Williams attended and lectured at the International Congress of Limnology held at Madison, Wisconsin.

*Library* (Librarian: Mr. E. H. Clark, B.A., *Melb.*)

By December 1962 the library contained approximately 90,000 volumes and was subscribing to some 2,000 journals. There were 33 members of staff on the establishment. The Hargrave Library was occupied in January 1962 and the main library should be ready for occupation well before the end of 1963.

Of the 90,000 volumes in the library about 70,000 were obtained by purchase and 20,000 as gifts. Some 60,000 volumes have been catalogued and classified and the remainder are accessible in broad subject groups. Some 20,000 volumes are temporarily stored in a cottage on the site but these are also in roughly classified groups.

With increased student population, pressure on library seating is expected to be severe later in 1963, and emergency seating will certainly be necessary. The photocopying service is proving very popular and is occupying almost the full time of one staff member.

The library continues to receive invaluable assistance from other libraries throughout Australia, in the way of inter-library loans.

## 6. STUDENT ENROLMENT

At the end of the second year of student teaching, it is possible to begin to assess the impact which the University is making upon the attention of potential students. It is clear that some excellent students are being attracted to Monash because of the challenge and opportunity presented by a new university. On the other hand, some students are deterred not only by a fear that a new institution may not offer facilities and training provided by one that is tried and tested but also by difficulties referred to elsewhere in this Report — transport and lodging problems, the lack of sporting and Union facilities — and by the absence of recognized colleges.

The total student enrolment in 1962 was 798 of whom 757 were undergraduates and 41 were postgraduate research students.

The intake of new students was 547, of whom 27 were postgraduate students.

Details of the enrolment are given in the following tables:

Table 1. Distribution of Students by Faculty, Year, Sex, Full-time and Part-time\*

| FACULTY AND<br>YEAR          | FULL-TIME |     |       | PART-TIME |    |       | TOTAL |     |       |
|------------------------------|-----------|-----|-------|-----------|----|-------|-------|-----|-------|
|                              | M         | F   | Total | M         | F  | Total | M     | F   | Total |
| ARTS I                       | 110       | 131 | 241   | 20        | 9  | 29    | 130   | 140 | 270   |
| ARTS II                      | 41        | 41  | 82    | 1         | 1  | 2     | 42    | 42  | 84    |
| TOTAL                        | 151       | 172 | 323   | 21        | 10 | 31    | 172   | 182 | 354   |
| ECONOMICS AND<br>POLITICS I  | 83        | 8   | 91    | 17        | 1  | 18    | 100   | 9   | 109   |
| ECONOMICS AND<br>POLITICS II | 33        | 4   | 37    | —         | —  | —     | 33    | 4   | 37    |
| TOTAL                        | 116       | 12  | 128   | 17        | 1  | 18    | 133   | 13  | 146   |
| ENGINEERING I                | 32        | —   | 32    | —         | —  | —     | 32    | —   | 32    |
| ENGINEERING II               | 8         | —   | 8     | —         | —  | —     | 8     | —   | 8     |
| TOTAL                        | 40        | —   | 40    | —         | —  | —     | 40    | —   | 40    |
| MEDICINE I                   | 65        | 6   | 71    | —         | —  | —     | 65    | 6   | 71    |
| MEDICINE II                  | 59        | 6   | 65    | —         | —  | —     | 59    | 6   | 65    |
| TOTAL                        | 124       | 12  | 136   | —         | —  | —     | 124   | 12  | 136   |
| SCIENCE I                    | 46        | 7   | 53    | 3         | 1  | 4     | 49    | 8   | 57    |
| SCIENCE II                   | 18        | 5   | 23    | 1         | —  | 1     | 19    | 5   | 24    |
| TOTAL                        | 64        | 12  | 76    | 4         | 1  | 5     | 68    | 13  | 81    |
| TOTAL UNDER-<br>GRADUATES    | 495       | 208 | 703   | 42        | 12 | 54    | 537   | 220 | 757   |
| MASTER                       | 6         | 2   | 8     | 2         | 1  | 3     | 8     | 3   | 11    |
| Ph.D.                        | 25        | 2   | 27    | 1         | 2  | 3     | 26    | 4   | 30    |
| TOTAL ALL<br>STUDENTS        | 526       | 212 | 738   | 45        | 15 | 60    | 571   | 227 | 798   |

\* As it was still not possible to provide evening tuition, part-time students means those who were free to attend lectures and tutorials during the day. The proportion of such part-time students increased from 6.6 per cent. in 1961 to 7.5 per cent. in 1962.

Table 2. Distribution of Overseas Undergraduate Students by Country, Faculty and Sex.

| COUNTRY OF ORIGIN                   |       | Arts | Economics<br>and<br>Politics | Engin-<br>eering | Medicine | Science | Total |
|-------------------------------------|-------|------|------------------------------|------------------|----------|---------|-------|
| Borneo                              | M     | —    | 1                            | 1                | 1        | —       | 3     |
|                                     | F     | 1    | 1                            | —                | 1        | —       | 3     |
|                                     | Total | 1    | 2                            | 1                | 2        | —       | 6     |
| Burma                               | M     | 1    | —                            | —                | —        | —       | 1     |
|                                     | F     | —    | —                            | —                | —        | —       | —     |
|                                     | Total | 1    | —                            | —                | —        | —       | 1     |
| Fiji                                | M     | —    | —                            | —                | 1        | —       | 1     |
|                                     | F     | —    | —                            | —                | —        | —       | —     |
|                                     | Total | —    | —                            | —                | 1        | —       | 1     |
| Hong Kong                           | M     | —    | 2                            | —                | 3        | —       | 5     |
|                                     | F     | 1    | —                            | —                | —        | —       | 1     |
|                                     | Total | 1    | 2                            | —                | 3        | —       | 6     |
| Indonesia                           | M     | —    | 1                            | —                | —        | —       | 1     |
|                                     | F     | —    | —                            | —                | 1        | —       | 1     |
|                                     | Total | —    | 1                            | —                | 1        | —       | 2     |
| Malaya                              | M     | —    | 5                            | —                | 12       | 1       | 18    |
|                                     | F     | 1    | 2                            | —                | 1        | 1       | 5     |
|                                     | Total | 1    | 7                            | —                | 13       | 2       | 23    |
| Singapore                           | M     | —    | 3                            | —                | 7        | 1       | 11    |
|                                     | F     | —    | —                            | —                | —        | —       | —     |
|                                     | Total | —    | 3                            | —                | 7        | 1       | 11    |
| Thailand                            | M     | —    | 1                            | —                | —        | —       | 1     |
|                                     | F     | —    | —                            | —                | —        | —       | —     |
|                                     | Total | —    | 1                            | —                | —        | —       | 1     |
| Vietnam                             | M     | 1    | 1                            | 2                | —        | 1       | 5     |
|                                     | F     | —    | —                            | —                | —        | —       | —     |
|                                     | Total | 1    | 1                            | 2                | —        | 1       | 5     |
| TOTAL UNDER-GRADUATES FROM OVERSEAS |       | 5    | 17                           | 3                | 27       | 4       | 56    |

Table 3. Distribution of Overseas Postgraduate Students by Country, Faculty and Sex

| COUNTRY OF ORIGIN                          |       | Arts | Economics<br>and<br>Politics | Engin-<br>eering | Medicine | Science | Total |
|--|-------|------|------------------------------|------------------|----------|---------|-------|
| England                                    | M     | —    | —                            | —                | —        | 1       | 1     |
|  | F     | —    | —                            | —                | —        | —       | —     |
|  | Total | —    | —                            | —                | —        | 1       | 1     |
| Malaya                                     | M     | —    | —                            | —                | —        | 1       | 1     |
|  | F     | —    | —                            | —                | —        | —       | —     |
|  | Total | —    | —                            | —                | —        | 1       | 1     |
| New Zealand                                | M     | —    | —                            | —                | —        | 1       | 1     |
|  | F     | —    | —                            | —                | —        | —       | —     |
|  | Total | —    | —                            | —                | —        | 1       | 1     |
| TOTAL POST-GRADUATE STUDENTS FROM OVERSEAS |       | —    | —                            | —                | —        | 3       | 3     |

## 7. STUDENT FACILITIES

### *Student Residence*

At the beginning of first term the first Hall of Residence became available and provided accommodation for 53 men and 23 women students and 6 members of staff. In spite of early difficulties due to the Hall being handed over only just in time for first term, the students settled in quickly and first experiences of university residence have been altogether satisfactory and encouraging.

Some students have been accommodated in private homes inspected in accordance with the *Monash University Act 1958*, section 39. The finding of suitable homes in adequate numbers continues to be difficult because public transport from several otherwise suitable residential areas is still non-existent. With the rapid rise in student numbers from 1963 onwards pressures will become more intense and provision of adequate transport facilities will become imperative.

### *Catering*

With the coming into use of the Science and Engineering library it was possible to make more adequate arrangements than had been in



existence in 1961. The ground floor of the building, designed for ultimate use as a coffee lounge related to the library, became the student cafeteria, the kitchen facilities being suitably adapted.

#### *Student Health Service*

Following the decision of Council in 1961, the medical examination of students in 1962 was carried through on a compulsory basis and all students were in fact examined either by doctors of the State Health Department, whose co-operation was greatly appreciated, or by the University's medical counsellor who took up his duties on a part-time basis in March and conducted 318 consultations during the year. Approximately twenty per cent. of the students were involved in these consultations and although most of the conditions on which advice was sought were not serious, 18 students were considered to have serious or important illnesses. Four of them discontinued their courses at least temporarily. Several who might have broken down completely were assisted to continue their studies.

#### *Chaplaincy Centre*

The work of the chaplains to students, appointed by the Anglican and Roman Catholic churches and by the Hillel Foundation of Victoria, has continued during the year. A gift of £3,000 towards the cost of the proposed chaplaincy centre was received in December. Meanwhile a building temporarily retained from the previous Royal Talbot colony has been made available for the use of the chaplains and the student religious societies.

## 8. STUDENT ACTIVITIES

Pending the building of the Union, student extra-curricular activities continued during the year, and will continue throughout 1963, in rooms made available as needed.

The first Orientation Day was held on the Saturday preceding first term and proved very worthwhile. To the list of student societies were added during the year a Choral society and a Liberal society, and the list of clubs was increased by the addition of Athletics, Bushwalking, Car, Fencing and Women's Basketball clubs. An estimated fifty per cent. of students shared in one or more of these groups and first steps were taken in participation, with most encouraging results, in wider student life both in Victoria and elsewhere in Australia. Notable among contributions to university life were the productions by the Monash Players (now the title of the previous Drama Society) of the morality play, "Everyman" and Shakespeare's "Comedy of Errors".

The Union board came into active operation as the body controlling the facilities for non-academic activities within the University and acted

also as the building project sub-committee planning the Union building. The title of Students' Representative Council was substituted for the previous "Union Council" and this student body, which promotes and co-ordinates student extra-curricular activities, broadened its scope. Within it a sports association and a clubs and societies committee were formed.

The Students' Representative Council continued the publication of its newspaper "Chaos" and also produced its first student magazine, "Orpheus".

## 9. FINANCE

In 1962 the funds provided by State and Federal Governments for recurrent purposes were as follows:

|                              | <i>State</i><br>£ 000's                        | <i>Commonwealth</i><br>£ 000's                 | <i>Total</i><br>£ 000's                        |
|------------------------------|--|--|--|
| States Grants (Universities) |  |  |  |
| Act No. 106 of 1960          | 591  | 319  | 910  |
| States Grants (Universities) |  |  |  |
| Act No. 51 of 1962           | 4  | 3  | 7  |
|                              | <hr style="width: 50px; margin: 0 auto;"/> 595 | <hr style="width: 50px; margin: 0 auto;"/> 322 | <hr style="width: 50px; margin: 0 auto;"/> 917 |

In January 1962 a carefully prepared case was submitted requesting increased grants in 1962 and 1963. Following discussions with the Australian Universities Commission additional Recurrent Funds were provided as follows for 1963:

|                   | <i>State</i><br>£ 000's | <i>Commonwealth</i><br>£ 000's | <i>Total</i><br>£ 000's |
|-------------------|-------------------------|--------------------------------|-------------------------|
| Monash: Recurrent | 212                     | 114                            | 326                     |

These funds were earmarked for expenditure on the faculties of Engineering and Medicine and on the library.

The faculty of Medicine will also benefit by the funds provided for the provision of accommodation in the teaching hospitals. The provision made is as follows:

|                                | <i>State</i><br>£ 000's | <i>Commonwealth</i><br>£ 000's | <i>Total</i><br>£ 000's |
|--------------------------------|-------------------------|--------------------------------|-------------------------|
| <i>Alfred Hospital</i>         |                         |                                |                         |
| Buildings                      | 250                     | 250                            | 500                     |
| 5% Furniture Vote              | 12½                     | 12½                            | 25                      |
| Equipment                      | 12½                     | 12½                            | 25                      |
| <i>Prince Henry's Hospital</i> |                         |                                |                         |
| Buildings                      | 17½                     | 17½                            | 35                      |
| 5% Furniture Vote              | 1                       | 1                              | 2                       |
| Equipment                      | 5½                      | 5½                             | 11                      |

|                                  |      |      |     |
|----------------------------------|------|------|-----|
| <i>Queen Victoria Hospital</i>   |      |      |     |
| Buildings                        | 87½  | 87½  | 175 |
| 5% Furniture Vote                | 4½   | 4½   | 9   |
| <i>Royal Children's Hospital</i> |      |      |     |
| Buildings                        | 22½  | 22½  | 45  |
| 5% Furniture Vote                | 1    | 1    | 2   |
| Equipment                        | 2    | 2    | 4   |
| <i>Totals</i>                    |      |      |     |
| Buildings                        | 377½ | 377½ | 755 |
| 5% Furniture Vote                | 19   | 19   | 38  |
| Equipment                        | 20   | 20   | 40  |

Legislation making provision for the above funds was included in the States Grants (Universities) Act No. 51 of 1962 and in a further States Grants (Universities) Bill which was before Parliament at the time of its adjournment in December 1962.

A summary of income and expenditure for the year is given as an appendix to this Report.

*Submission to Australian Universities Commission  
for 1964-66 Triennium*

Early in 1962 much time and thought were devoted to this submission, and in July the Australian Universities Commission visited the University to discuss and consider it at first-hand. Recurrent funds requested by the University were —

1964 £4,145,000

1965 £4,993,000

1966 £5,912,000

*Student Fees*

During 1962, the single overall fee of £135 per annum for a full-time undergraduate student in any faculty was maintained.

Part-time fees per subject were set as follows:

|             | <i>Arts, Economics and<br/>Politics</i> | <i>Science</i> | <i>Engineering</i> | <i>Medicine</i> |
|-------------|---|----------------|--------------------|-----------------|
| First Year  | £37½                                    | £50            | £50                | £50             |
| Second Year | 50                                      | 75             | N.A.               | N.A.            |
| Third Year  | 50                                      | N.A.           | N.A.               | N.A.            |

No change was made in regard to fees for Master's degrees and the degree of Ph.D., which remained at £45 and £30 respectively.

*Salary Scales*

The University, in common with other Australian universities, has been concerned during the year about existing salary levels. The

recruitment of staff of the proper calibre is, and is bound to be, increasingly difficult, especially for a new university struggling to establish itself in a situation in which remuneration fails to keep pace with financial rewards in other fields. For this reason it is hoped that current attempts to establish some improved form of machinery for determining salaries will quickly meet with success.

#### *Superannuation Schemes*

During 1962 final arrangements were completed for three grades of superannuation to operate as follows:

| Type of Scheme                                | <i>Academic and<br/>equivalent<br/>administration<br/>staff<br/>(Scheme A)</i><br>Life Assurance<br>Policies | <i>Non-academic<br/>staff<br/>(Scheme B)</i><br>Life Assurance<br>Policies | <i>Female secre-<br/>tarial and<br/>clerical staff<br/>(Scheme C)</i><br>Investment |
|---|--|--|---|
| University's contri-<br>bution % of<br>salary | 10   | 5  | 5   |
| Member's contribu-<br>tion % of salary        | 5  | 5  | 5   |

## 10. GIFTS AND DONATIONS

The following bequests have been received by the University:

£300 from the estate of the late Miss Sarah S. McCutcheon.

£500 from the estate of the late Patrick Brennan for the departments of Microbiology and Pathology at Alfred Hospital.

£500 from the estate of the late Mr. Joe White for the purchase of books for the library.

£5,000 from the estate of the late Mrs. J. H. Poolman.

The following gifts have been received by the University:

A tri-carb spectrometer and preparative ultra centrifuge valued at £10,000 sterling from the trustees of the Wellcome Trust, for the department of Biochemistry for research.

An electro-encephalogram, valued at more than £3,000, from the Nicholas Institute, for Veterinary and Medical research in the department of Zoology and Comparative Physiology.

Transformers valued at approximately £3,000 from Wilson Transformers Co. Pty. Ltd., for the faculty of Engineering.

£1,000 from the Thomas Baker (Kodak), Alice Baker and Eleanor Shaw Benefactions for apparatus for the professors of Medicine and Surgery.

£1,880 from the National Health and Medical Research Council to the department of Biochemistry for research.

£20,000 from Messrs. J. C. and A. W. Stewart in memory of their father, the late Sir Alexander Stewart.

\$3,800 from the Lilly Research Laboratories to the department of Biochemistry.

The cost (about £160) of a dark room for the Hall of Residence from the Oakleigh Rotary Club.

\$8,000 from Merck, Sharp and Dohme, to the department of Biochemistry for research, together with \$2,000 to enable Professor J. Bornstein to undertake a lecture tour in the U.S.A.

£500 from Broken Hill Pty. Ltd., to the department of Physics for the construction of an Argon Arc furnace.

£591 from Messrs. W. B. and O. McCutcheon for the establishment of a garden or court.

£800 from the Myer Foundation, to the department of Modern Languages, towards the cost of a catalogue "French Culture in the Libraries of Melbourne".

Grants from the Australian Institute of Nuclear and Scientific Engineers of £550 and £2,000 for research in the departments of Engineering and Physics respectively, together with a contribution of £3,750 towards a pulse height analyzer.

£400 research grant from the Social Science Research Council of Australia for research in the department of Politics.

£1,000 from the Pfizer Corporation, U.S.A., for research in the department of Biochemistry.

£5,000 from the State Electricity Commission for the purchase of equipment for the faculty of Engineering.

£534 from the National Health and Medical Research Council for research in the department of Biochemistry.

£1,475 from Rothman's University Endowment Fund for research in the department of Physics.

Two postgraduate fellowships in the department of Physics, value £2,700, from General Motors-Holden Ltd.

£1,000 being the first of five annual gifts from Messrs. K. G. Hooker, P. A. Morawetz and F. W. Olver for scholarships in the faculty of Arts and Economics and Politics.

£10.10.0., being the first annual Ramsay Prize for Practical Biology from W. Ramsay (Surgical) Ltd.

In addition to the above, there have been many gifts of books to the library.

The following gifts were promised to the University:

£20,000 from the Rural Credits Development Fund of the Reserve Bank for the establishment of a chair of Agricultural Economics.

Research grants totalling £4,732 from the National Heart Foun-

dation of Australia for work in the department of Physiology.

£5,889 from the National Health and Medical Research Council to the department of Biochemistry.

£1,350 from the National Health and Medical Research Council to the department of Anatomy.

£5,830 from the National Health and Medical Research Council to the department of Physiology.

A Medical school training grant of £1,500 from the National Health and Medical Research Council.

£2,750 from the Anti-Cancer Council of Victoria to the department of Biochemistry for research on breast carcinoma.

DM.2,000 from the West German Institute for Foreign Relations to the department of Modern Languages towards the publication of an anthology of German Australians.

5,000NF from the Compagnie Francaise des Petroles to the department of Modern Languages towards the cost of publication of a French quarterly.

£3,000 from the estate of the late William Charles Angliss for the chaplaincy service.

£1,445 from the Radio Research Board for research in the department of Physics.

## 11. PUBLICATIONS

The following were published in 1962:

MATHESON, J. A. L. (Vice-Chancellor) (with SINCLAIR, C. G.): The place of a general purpose digital computer at Monash University. *Computer World*, I, no. 1 (May 1962) 2.

### FACULTY OF ARTS

#### *Department of English*

BRADLEY, D. — Australia Through the Looking Glass: Patrick White's latest novel. *Overland*, XXIII, Autumn 1962, 41-45.

The Season at Sarsaparilla: Patrick White's 'Charade of Suburbia'. *Meanjin Quarterly*, XXI, 4, 1962, 492-4.

#### *Department of History*

BOLTON, G. C. — Australia's urban society. *Hemisphere*, VI, 6, 2-7. The choice of the Speaker in Australian Parliaments. *Parliamentary Affairs*, XV, 3, 355-64.

BROADHEAD, H. S. — J. C. Watson and the caucus crisis of 1904. *Aust. Journal of Politics and History*, VIII, May 1962, 93-7.

KNOX, B. A. — The provision of legal advice, and Colonial Office reorganization, 1866-7. *Bulletin of the Institute of Historical Research*, XXXV, Nov. 1962, 178-97.

*Department of Modern Languages*

- LAUFER, R. M. A. (with SOUTHWELL, B. and KIRSOP, W) — French Culture in the Libraries of Melbourne: The State Library of Victoria, Baillieu Library, University of Melbourne, Monash University Library. Monash University, 1962. 8 vo., 2 vols., 727 pp.
- BARRELL, R. A. — Deutsche Philosophische Lehnwörten im Französischen, *Muttersprache*, July-August 1962, 221-9.
- BROOME, P. — The introversion of Henri Michaux: his aims, techniques and shortcomings. *Nottingham French Studies*, I, no. 2, October 1962, 34-44.
- KIRSOP, W. — The legend of Bernard Palissy, *Ambix IX*, III, October 1961 (published Autumn 1962), 136-54.  
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Two unrecorded Brennan items. *Biblionews*, XV, no. 3 (193rd issue) March 1962.
- KELLER, E. — Franz Werfel. 120 pages. Keller Verlag Aarau (Switzerland) 1958.  
Thomas Mann and Democracy. Paper read at the A.U.L.L.A. Congress in Canberra, August 15-22 1962. Summary in *Proceedings of the Eighth Congress of the Australasian Universities Language and Literature Association* issued by the Australian National University Canberra, 1963.
- BODI, L. — The function of 'Exotizismus' in the poetry of Freiligrath and Heine. (Paper read at the 8th A.U.L.L.A. Congress, Canberra, 1962. Summary in *Proceedings of the Eighth Congress*, 14-15.)  
Book reviews in *Meanjin*, I, 1962, 123-27, and *AUMLA*, XVIII, November 1962, 280-82; 275-77.

*Department of Philosophy*

- GRANT, L. B. — D. M. Armstrong's "Perception and the Physical World" (critical notice). *Australasian Journal of Philosophy*, XL, August 1962, 220-229.
- McGECHE, J. E. — S. A. Grave's "The Scottish Philosophy of Common sense" (critical notice). *Australasian Journal of Philosophy*, XL, August 1962, 229-235.
- MITCHELL, D. J. — Some comments on ethical distinctions. *Philosophical Quarterly*, XIII, January 1963, 39-48.
- RANKIN, K. W. — The Philosophy of C. D. Broad, ed. P. A. Schilpp (critical notice). *Mind*, LXXI, January 1962, 117-123.

## FACULTY OF ECONOMICS AND POLITICS

*Department of Economics*

- CLUNIES ROSS, A. I. — Disarmament proposals. *Dissent*, II, no. 4, 7-12.

- COCHRANE, D. — Growth and stability. Chapter III in *Economic Growth in Australia*, Angus and Robertson, 1962.
- Report on Committee of Enquiry into *The Conduct of Wool Sales at Portland* (Victorian Government Printer), 1962, iv + 233 pp.
- MOFFATT, G. G. — The Australian import licensing system 1952-60. *Australian Economic Papers*, I, no. 1, September 1962, 119-137.
- RICHARDS, R. A. — On administrative decentralization. *Public Administration*, XXI, no. 1, March 1962. 55-78.

*Department of Politics*

- DAVIS, S. R. — Politics in plenty. *A.P.S.A. News*, May 1962.
- FEITH, H. — *The Decline of Constitutional Democracy in Indonesia* (Ithaca, N.Y.), Cornell University Press, 1962.
- MARTIN, R. M. — The authority of trade union centres: the Australian Council of Trade Unions and the British Trades Union Congress. *Journal of Industrial Relations*, IV, no. 1, April 1962, 1-19.
- Australian trade unionism, 1961. *Journal of Industrial Relations*, IV, no. 1, April 1962, 61-65.

FACULTY OF ENGINEERING

- CRISP, J. D. C. — The dynamics of supercircular multiple-pass atmospheric braking. *Acta Astronautica*, 8, Fasc. 1.
- MURRAY, N. W. — A general method of analyzing axisymmetric discontinuous shells. *The Engineer*, 213, no. 5548 (May 25, 1962).
- The direct design of grillages. Chap. 10 of *Intro. to Structural Problems in Nuclear Reactor Engineering*, Pergamon (1962).
- SINCLAIR, C. G. — The limit deposit velocity of heterogeneous suspensions. *Proc. Third Congr. Europ. Fed. Chem. Eng.* (June 1962), A68.
- SINCLAIR, C. G. (with MATHESON, J. A. L.) — The place of a general purpose digital computer at Monash University. *Computer World*, I, no. 1 (May 1962), 2.

FACULTY OF MEDICINE

*Department of Anatomy*

- BARRETT, B. — The length and mode of termination of individual muscle fibres in the human sartorius and posterior femoral muscles. *Acta Anat.*, 48 (1962), 242-257.
- SCHOFIELD, G. C. — Experimental studies on the myenteric plexus in mammals. *J. Comp. Neur.*, 119 (1962), 159-186.
- SCHOFIELD, G. C. and BIELSCHOWSKY, M. — Studies on megacolon in piebald mice. *Aust. J. Exp. Biol., Med. Sci.*, 40 (1962), 395-404.
- WILSON, A. S. — A year in the Australian inland. *Scot. Med. J.* (August 1962), 360-365.



*Department of Biochemistry*

- BORNSTEIN, J. — The effect of a growth promoting pituitary polypeptide on the metabolism of isolated tissues and muscle extracts of the rat. *Perspectives in Biology*, eds., Cori, Foglia, Leloir and Ochoa (Elsevier Publishing Company), 1962.
- LINNANE, A. W. — Studies of the origin of yeast mitochondria. *The Journal of Cell Biology*, **13** (1962), no. 2.  
A simple high-speed blender for the disintegration of microorganisms. *Biochem. Biophys. Acta*, **59** (1962).
- LOWTHER, D. A. — Chemical aspects of collagen fibrillo-genesis. *International Reviews of Connective Tissue Research*, vol. 1 (Academic Press, New York), 1962.

*Department of Physiology*

- BENTLEY, G. A. — Studies on sympathetic mechanisms in isolated intestinal and vas deferens preparations. *Brit. J. Pharmacol.*, **19** (1962), 85-98.
- McINTYRE, A. K. — Central projection of impulses from receptors activated by muscle stretch. In *Muscle Receptors*, ed. D. Barker, Hong Kong (Hong Kong University Press), 1962.  
Cortical projection of impulses in the interosseous nerve of the cat. *J. Physiol.*, **163** (1962), 46-60.

## FACULTY OF SCIENCE

*Department of Chemistry*

- HEFFERNAN, M. L., BROWN, R. D. and COLLER, B. A. W. — Studies of the molecular-orbital theory of chemical reactivity — I.  
The significance of auxiliary inductive parameters in the Huckel M-O theory. *Tetrahedron*, **18** (1962), 343-348.
- HEFFERNAN, M. L. and BLACK, P. J. — Proton magnetic resonance spectra of  $A_2B_2$  systems. *Australian J. Chem.*, **15** (1962) 862-864.
- YOUATT, JEAN — The metabolism of isoniazid pyridine aldehydes by mycobacteria. *Australian J. Exp. Biol.*, **40** (1962) 191.  
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- EASTWOOD, F. W. — General survey of instrumental techniques. *Proc. Aust. Chem. Inst.*, **29** (1962) 405. See also Todd. Contribution to international symposium, Brussels (June 1962), *Industrie Chimique Belge*, no. 12 (1962).
- WILSON, I. R. W., KITCHING, W., and SMITH, R. H. — Kinetics of the decomposition of sulphur dicyanide in aqueous solution. *Australian J. Chem.*, **15** (1962) 211.

- O'DWYER, M. F., EL BAYAUMI, A. and STRICKLER, S. J. — Observation of anomalous phosphorescence — fluorescence intensity ratio in excitation of upper electronic states of certain aromatic hydrocarbons. *J. of Chem. Physics*, **36** (1962) 1395.

*Department of Mathematics*

- WATTERSON, G. A. — Some theoretical aspects of diffusion theory in population genetics. *Ann. Math. Stat.*, **33** (1962) 939-957.  
Time series and spectral analysis. *Proc. Seventh Conf. on design of Experiments*. U.S. Army Research Office (1962) 1-16.

*Department of Physics*

- BOLTON, H. C. (with FAWCETT, W. and GURNEY, I. D. C.) — The electric field in crystals: the refractivity of rutile. *Proc. Phys. Soc.*, **80** (1962) 199.
- BOLTON, H. C. (with WEISS, J. J.) — Hypochromism in the ultra violet absorption of nucleic acids and related structures. *Nature*, **195** (August 18, 1962) 666.
- COATES, D. (with NASH, W. F.) — Sea level momentum spectra of muons. *Aust. Journal of Physics*, **15** (1962) 420.
- COATES, D. (with BULL, R. M., RASTIN, B. C. and NASH, W. F.) — The design of flash tube arrays. *Supp. to Nuovo Cimento*, **23** (1962) 39.
- COATES, D. (with BULL, R. M., RASTIN, B. C. and NASH, W. F.) — A computer method for the analysis of flash tube data. *Supp. to Nuovo Cimento*, **23** (1962) 28.
- MCDONELL, J. A. (with CARO, D. E. and SPICER, B. M.) — *Modern Physics*. Edward Arnold (1962), London, viii + 222 pp.
- McLAREN, A. C. (with BROWN, R. N.) — The mechanism of the thermal transformations in solid ammonium nitrate. *Proc. Roy. Soc.*, London, **266A** (1962) 329-343.  
The thermal transformations in solid thallos nitrate. *Acta Cryst.*, **15** (1962) 977.  
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- TROUP, G. J. — Nuclear magnetic resonance and preferred orientation in hot-pressed polycrystalline BeO. *Phys. Letters*, **2** (1962) 9.  
Design of multimode waveguide cavities for solid state masers. *Proc. I.R.E. Australia* (1962) 166.
- TROUP, G. J. (with THYER, J. R.) — Electron spin resonance in neutron-irradiated polycrystalline beryllium oxide. *Proc. Phys. Soc.*, **79** (1962) 409-415.

*Department of Zoology and Comparative Physiology*

MARSHALL, A. J. — Revision of Parker & Haswell's *A Textbook of Zoology*, vol. 2, 7th ed., Macmillans, London.

Editorship and chapter authorship of *The Biology and Physiology of Birds*, 2 vols. Academic Press Ltd., New York.

WILLIAMS, W. D. — The geographical distribution of the isopods *Asellus aquaticus* (L) and *A. meridianus* Rac. *Proc. Zool. Soc. Lond.*, **139** (1962) 75-96.

The genus *Asellus* in Britain. *Nature*, **193** (1962) 900-901.

Some remarks on phenotypic variation and genetic isolation in *Asellus Crustaceana*, **3**, part 4 (1962) 279-284.

Notes on the ecological similarities of *Asellus aquaticus* (L.) and *A. meridianus* Rac. (Crust., Isopoda). *Hydrobiologia*, **20**, no. 1 (1962) 1-30.

A note on the sexual pleopods of *Asellus Crustaceana*, **4**, part 3 (1962).

The Australian freshwater Amphipods. I. The genus *Austrochiltonia* (Crustacea: Amphipoda: Hyalellidae). *Aust. J. Mar. Freshw. Res.*, **13**, no. 2 (1962) 198-216.

DORWARD, D. F. — Comparative biology of the white booby and the brown booby *Sula* spp. at ascension. *Ibis 103b*, (1962) 174-220.

Behaviour of boobies *Sula* spp. *Ibis 103b* (1962) 221-234.

## LIBRARY

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## 12. CONCLUSION

Whilst, inevitably and properly, the immediate establishment of the University must be the main preoccupation of all concerned, problems of the future cannot be ignored, and one of Council's final acts in 1962 was the appointment of a committee to consider the ultimate size of the University. It is on behalf of the Council of a University thus confronting the present and the future that I have the honour, Your Excellency, of presenting this report.

R. R. BLACKWOOD,  
Chancellor.

# MONASH UNIVERSITY

## (I) STATEMENT SHOWING INCOME AND EXPENDITURE FOR ALL PURPOSES FOR THE YEAR ENDED DECEMBER 31, 1962

|   | Recurrent  | Grants and Donations | A.U.C. Special Capital Grants | 5% Furniture Vote | Buildings   | Total       |
|---|------------|----------------------|-------------------------------|-------------------|-------------|-------------|
| <b>INCOME</b>                               |            |                      |                               |                   |             |             |
| State Government Grants—                    |            |                      |                               |                   |             |             |
| Received this year                          | 523,477    |                      | 41,500                        | 125,500           | 1,473,000   | 2,163,477   |
| Add Accrued for this year                   |            |                      |                               |                   | 139,828     | 139,828     |
| Less Adjustment o/a previous year's accrual |            |                      | 4,810 Cr.                     | 30,983 Cr.        |             | 35,793 Cr.  |
| Commonwealth Government Grants—             |            |                      |                               |                   |             |             |
| Received this year                          | 319,000    |                      | 41,500                        | 125,500           | 1,913,955   | 2,399,955   |
| Add Accrued for this year                   | 4,000      |                      |                               |                   | 53,000      | 57,000      |
| Less Adjustment o/a previous year's accrual |            |                      | 4,810 Cr.                     | 30,982 Cr.        | 604,127 Cr. | 639,919 Cr. |
| Student Fees                                | 71,986     |                      |                               |                   |             | 71,986      |
| Union Fees                                  | 9,839      |                      |                               |                   |             | 9,839       |
| Grants and Donations                        |            | 62,098               |                               |                   |             | 62,098      |
| Sundry Income                               | 5,554      |                      |                               |                   |             | 5,554       |
| <b>TOTAL INCOME</b>                         | 933,856    | 62,098               | 73,380                        | 189,035           | 2,975,656   | 4,234,025   |
| Deficit (Dr.) or Surplus (Cr.)              | 83,159 Dr. | 19,487 Cr.           | 35,187 Cr.                    | 62,807 Cr.        | 316,204 Dr. | 281,882 Dr. |
| £   | 1,017,015  | 42,611               | 38,193                        | 126,228           | 3,291,860   | 4,515,907   |

|                                 | Recurrent | Grants and Donations | A.U.C. Special Capital Grants | 5% Furniture Vote | Buildings | Total   |
|---------------------------------|-----------|----------------------|-------------------------------|-------------------|-----------|---------|
| <b>EXPENDITURE</b>              |           |                      |                               |                   |           |         |
| Teaching Departments—           |           |                      |                               |                   |           |         |
| Salaries & Associated Expenses  | 411,990   | 20,253               |                               |                   |           | 432,243 |
| Supplies & maintenance          | 82,532    | 5,404                |                               |                   |           | 87,936  |
| Equipment & Furniture           | 170,622   | 16,954               |                               |                   |           | 187,576 |
| Special Research Equipment      |           |                      | 38,193                        |                   |           | 38,193  |
| Library—                        |           |                      |                               |                   |           |         |
| Salaries & Associated Expenses  | 37,548    |                      |                               |                   |           | 37,548  |
| Books, Journals & Binding       | 39,112    |                      |                               |                   |           | 39,112  |
| Equipment                       | 724       |                      |                               |                   |           | 724     |
| Administration Expenses         | 2,671     |                      |                               |                   |           | 2,671   |
| Central Administration—         |           |                      |                               |                   |           |         |
| Salaries & Associated Expenses  | 77,323    |                      |                               |                   |           | 77,323  |
| Advertising & Appointment Costs | 34,538    |                      |                               |                   |           | 34,538  |
| Equipment & Office Machines     | 3,016     |                      |                               |                   |           | 3,016   |
| c/forward                       | 860,076   | 42,611               | 38,193                        |                   |           | 940,880 |

## STATEMENT I — continued

|   | Recurrent   | Grants and Donations | A.U.C. Special Capital Grants | 5% Furniture Vote | Buildings | Total     |
|---|-------------|----------------------|-------------------------------|-------------------|-----------|-----------|
| EXPENDITURE b/forward                           | 860,076     | 42,611               | 38,193                        |                   |           | 940,880   |
| Printing & Stationery                           | 5,189       |                      |                               |                   |           | 5,189     |
| Ceremonies & Publications                       | 1,220       |                      |                               |                   |           | 1,220     |
| Other Expenses                                  | 6,155       |                      |                               |                   |           | 6,155     |
| General Administration—                         |             |                      |                               |                   |           |           |
| Vehicle Expenses                                | 2,376       |                      |                               |                   |           | 2,376     |
| Cleaning (incl. Equipment)                      | 31,197      |                      |                               |                   |           | 31,197    |
| Power & Fuel                                    | 25,083      |                      |                               |                   |           | 25,083    |
| Building Furnishings, Maintenance & Alterations | 25,789      |                      |                               | 126,228           |           | 152,017   |
| Grounds Maintenance & Equipment                 | 11,951      |                      |                               |                   |           | 11,951    |
| General Services & Associated Costs             | 15,393      |                      |                               |                   |           | 15,393    |
| Telephone & Postage                             | 8,986       |                      |                               |                   |           | 8,986     |
| Student Services                                | 12,699      |                      |                               |                   |           | 12,699    |
| Other Expenses                                  | 9,164       |                      |                               |                   |           | 9,164     |
| Buildings—                                      |             |                      |                               |                   |           |           |
| Site Development                                |             |                      |                               |                   | 361,298   | 361,298   |
| New Buildings                                   |             |                      |                               |                   | 2,930,562 | 2,930,562 |
| Site Acquisition                                | 1,737       |                      |                               |                   |           | 1,737     |
| TOTAL EXPENDITURE                               | £ 1,017,015 | 42,611               | 38,193                        | 126,228           | 3,291,860 | 4,515,907 |

# MONASH UNIVERSITY

## (II) STATEMENT OF SOURCES AND APPLICATION OF FUNDS

|  | 1958/59        | 1960             | 1961             | 1962             | Progressive Totals to 31/12/1962 |
|--|----------------|------------------|------------------|------------------|----------------------------------|
| <b>I. SOURCES</b>                          |                |                  |                  |                  |                                  |
| 1. State Government Grants—                |                |                  |                  |                  |                                  |
| Recurrent                                  | 16,050         | 40,000           | 554,000*         | 523,477          | 1,133,527                        |
| Buildings and Site                         | 316,035        | 962,000          | 1,113,110        | 1,612,828        | 4,003,973                        |
| 5% Furniture Vote                          |                |                  | 30,983           | 94,517           | 125,500                          |
| Special Research Equipment                 |                |                  | 4,810            | 36,690           | 41,500                           |
| <b>Total State Government</b>              | <b>332,085</b> | <b>1,002,000</b> | <b>1,702,903</b> | <b>2,267,512</b> | <b>5,304,500</b>                 |
| 2. Commonwealth Government Grants—         |                |                  |                  |                  |                                  |
| Recurrent                                  |                | 60,750           | 233,000          | 323,000          | 616,750                          |
| Buildings and Site                         |                | 382,500          | 1,981,515        | 1,362,828        | 3,726,843                        |
| 5% Furniture Vote                          |                |                  | 30,982           | 94,518           | 125,500                          |
| Special Research Equipment                 |                |                  | 4,810            | 36,690           | 41,500                           |
| <b>Total Commonwealth Government</b>       |                | <b>443,250</b>   | <b>2,250,307</b> | <b>1,817,036</b> | <b>4,510,593</b>                 |
| 3. Student and Union Fees and Other Income |                | 342              | 47,637           | 87,379           | 135,358                          |
| 4. Grants and Donations                    | 260            |                  | 2,292            | 62,098           | 64,650                           |
| <b>TOTAL FUNDS AVAILABLE</b> £             | <b>332,345</b> | <b>1,445,592</b> | <b>4,003,139</b> | <b>4,234,025</b> | <b>10,015,101</b>                |

\* Includes special equipment grant of £104,000.

## STATEMENT II — continued

|  | 1958/59        | 1960             | 1961             | 1962             | Progressive<br>Totals to<br>31/12/1962 |
|--|----------------|------------------|------------------|------------------|--|
| <b>II. APPLICATION</b>                     |                |                  |                  |                  |  |
| 1. Recurrent Purposes                      |                |                  |                  |                  |  |
| (a) Salaries and Other operating expenses  | 2,366          | 70,664           | 486,996          | 796,672          | 1,356,698                              |
| (b) Equipment, Books, etc.                 | 2,488          | 97,377           | 389,246          | 220,343          | 709,454                                |
| 2. Site Acquisition and Development        | 305,030        | 90,202           | 140,860          | 361,298          | 897,390                                |
| 3. Buildings                               | 15,926         | 756,356          | 2,705,182        | 2,930,562        | 6,408,026                              |
| 4. Equipment Purchased from Building Funds |                |                  | 108,000          |                  | 108,000                                |
| 5. 5% Furniture Vote                       |                |                  | 61,965           | 126,228          | 188,193                                |
| 6. Special Research Equipment              |                |                  | 9,620            | 38,193           | 47,813                                 |
| 7. Grants and Donations                    | 260            |                  |                  | 42,611           | 42,871                                 |
| <b>TOTAL FUNDS APPLIED</b> £               | <b>326,070</b> | <b>1,014,599</b> | <b>3,901,869</b> | <b>4,515,907</b> | <b>9,758,445</b>                       |
| <b>III. Deficit (Dr.) or Surplus (Cr.)</b> |                |                  |                  |                  |  |
| 1. Recurrent                               | 11,196 Cr.     | 66,949 Dr.       | 41,605 Dr.       | 83,159 Dr.       | 180,517 Dr.                            |
| 2. Grants and Donations                    |                |                  | 2,292 Cr.        | 19,487 Cr.       | 21,779 Cr.                             |
| 3. Capital                                 | 4,921 Dr.      | 497,942 Cr.      | 140,583 Cr.      | 218,210 Dr.      | 415,394 Cr.                            |



# MONASH UNIVERSITY

## (III) STATEMENT OF BALANCES AT DECEMBER 31, 1962

|                                       |                  |                           |                  |
|---------------------------------------|------------------|---------------------------|------------------|
| Sundry Creditors and Accrued Expenses | 238,445          | Cash in Hand and at Banks | 52,137           |
| Accumulated Funds —                   |                  | Short Term Investments    | 200,000          |
| Unspent Donations                     | 21,779           | Debtors and Prepayments   | 237,664          |
| Government Grants                     | 234,877          | General Endowment Fund    | 5,300            |
|                                       | <u>£ 495,101</u> |                           | <u>£ 495,101</u> |

### AUDITOR-GENERAL'S CERTIFICATE

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

The books and accounts of the Monash University for the year ended 31st December, 1962, have been audited by officers acting under my direction.

In my opinion, the statements of accounts herewith numbered (I) to (V) are true and correct.

R. W. GILLARD

Auditor-General

13/8/1963

## (IV) MONASH UNIVERSITY TRUST FUNDS

## SCHEDULE OF TRUST FUNDS AT DECEMBER 31, 1962

|  |                      |
|--|----------------------|
| Melbourne & Metropolitan Board of Works Inscribed Stock — 1/1/70 | 5,000. 0. 0.         |
| Commercial Bank of Australia Ltd.                                | 1,266.13. 4.         |
|  | <u>£6,266.13. 4.</u> |

## STATEMENT OF INCOME AND EXPENDITURE FOR YEAR ENDED DECEMBER 31, 1962.

|                         |                    |
|-------------------------|--------------------|
| Income                  |                    |
| Interest Received       | 266.13. 4.         |
| Expenditure             | Nil                |
|                         | <u>£266.13. 4.</u> |
| Balance carried forward |                    |

## (V) MONASH UNIVERSITY STUDENTS' LOAN FUND.

## STATEMENT OF INCOME AND EXPENDITURE FOR YEAR ENDED DECEMBER 31, 1962

|                                      |                    |
|--------------------------------------|--------------------|
| Income                               |                    |
| Initial Grant from Monash University | 500. 0. 0.         |
| Expenditure                          | Nil                |
|                                      | <u>£500. 0. 0.</u> |
| Balance carried forward              |                    |



