



Australian Academy of Science
Documents of Governance

Standing Orders of the Council
Updated 2011

STANDING ORDERS OF THE COUNCIL

I. COMMITTEES OF COUNCIL

(Made 13 December 1978; amended 14 July 1982, 17 October 1984, 8 December 2003.)

1 Application

This Standing Order provides procedures for the establishment and working of all subsidiary bodies of Council.

For the purpose of this Standing Order the term 'Committee(s)' will, unless specific exception is made, include all subsidiary bodies of Council which are defined as follows:

SECTIONAL COMMITTEE

A committee, as provided in the Bye-Laws, to advise Council regarding the qualifications of candidates for election to the Academy.

NATIONAL COMMITTEE

A committee to foster a designated branch of natural science in Australia and to provide liaison with appropriate international scientific bodies.

CONFERENCE ADVISORY COMMITTEE

A committee, under the Standing Orders for the organisation of scientific conferences, to be widely representative of Australian interests in the proposed topic, to define the broad scientific program and outline the arrangements for a scientific conference.

CONFERENCE ORGANISING COMMITTEE

A committee, for an individual scientific conference, responsible to Council for the detailed arrangements for such a conference.

STANDING COMMITTEE

A committee to provide continuing advice on one or more defined aspects of the Academy's activities.

SUB-COMMITTEE

A sub-committee, established for a specific purpose within the province of the parent committee.

AD HOC COMMITTEE

A committee established for a short period to discharge a specific task.

WORKING GROUP

A group to discharge a specific task, for example, the preparation of a report.

This Standing Order will apply also to committees, sub-committees and other subsidiary bodies appointed jointly with another institution, to the extent agreed in writing with that institution.

2 Establishment and termination

All committees will be established and terminated by Council.

3 Membership

- a** Chairs, who will normally be Fellows, and members of all committees will be appointed by Council.
- b** Membership of all committees will be reviewed annually.
- c** The Officers of the Academy will be ex officio members of all committees and will receive, on request, the notice papers and agenda for their meetings. Where appropriate, the membership of committees may also include another member of Council to provide liaison and continuity with Council policy.
- d** Members of committees other than Sectional Committees will be appointed after taking into account the following:
 - i) the membership (including the Chair) of a committee should usually include at least one Fellow: for a committee of six or more members it should usually include at least two Fellows;
 - ii) representatives of relevant outside bodies will be appointed after consultation between Council and the body concerned to ensure effective liaison with such bodies;
 - iii) the membership of committees will be appropriate to the pursuit of the best interests of Australian science, both internationally and nationally;
 - iv) members, other than chairs and ex officio members, of all committees will usually be appointed for a term of three years with possible immediate re-appointment for one further term of three years;
 - v) appointments will be arranged in designated periods so that approximately one third of the members retire each year. In the case of newly formed committees such retirements will begin at the end of the second year;
 - vi) a Chair will usually have served on the committee for at least one year and will be appointed as Chair for a term of three years;
 - vii) whenever possible the next Chair of a National Committee should be designated one year in advance.
- e** The membership of a National Committee will not normally exceed eight.
- f** As provided in the Bye-Laws, Sectional Committees, composed wholly of Fellows, will be appointed by Council not later than 31 July each year. Council, from time to time with respect to these committees, will:
 - i) determine their number;
 - ii) nominate their membership and propose a Fellow, who will not be a member of Council, as Chair. Chairs should not serve for more than two years;
 - iii) provide guidelines if thought necessary;
 - iv) endeavour to ensure that the whole field of the natural sciences is adequately covered by Fellows who are competent to assess the qualifications of candidates.
- g**
 - i) A Fellow who has been a member of a Sectional Committee for four consecutive years will not be eligible for appointment to that committee for the next year;
 - ii) a casual vacancy on a Sectional Committee may be filled by Council at any time;
 - iii) members of Council will not serve on Sectional Committees.

h As provided in the Bye-Laws, a Finance Committee will be appointed annually by Council at its first meeting after the Annual General Meeting. It will consist of the Officers and three other members, one of whom will be a Fellow, with the Treasurer as Chair. In the absence of the Treasurer the Committee will elect one of its members to act as Chair for the meeting. The Treasurer will call upon an independent member (the Deputy Chair) to preside over that section of the committee agenda dealing with strictly audit matters.

4 Terms of reference and role of committees

- a** Terms of reference for committees will be determined by Council and may be reviewed from time to time on the recommendation of the committee itself, or otherwise, to ensure:
- i) regular and continuing advice to Council on designated fields of natural science and other aspects of the Academy's activities;
 - ii) adequate definition of tasks of the committee;
 - iii) any desired limits or extensions to committee activities.
- b** Committees will advise Council on matters within their terms of reference and on other matters referred to them by Council.
- c** Where special matters are referred to a committee, Council will provide adequate terms of reference, indicating the extent to which other Academy committees are concerned, relevant timing considerations, and arrangements to be followed for the authorisation by Council of submissions to outside bodies.
- d** Committees will be informed of Council policy on relevant aspects of their work, including finance, publication, review of reports, education and public action.

NATIONAL COMMITTEES

- e** The functions of a National Committee are to foster a designated branch of natural science in Australia, to serve as an effective link between Australian scientists and overseas scientists in the same field, and to advise Council on these matters. To these ends it will:
- i) provide liaison with appropriate national and international bodies and societies;
 - ii) propose and encourage activities in Australia, either jointly with other bodies or separately;
 - iii) ensure the maximum participation by Australian scientists in relevant activities of the international body;
 - iv) keep the international body informed at appropriate times of Australian opinions and plans.
- f** National Committees will make recommendations to Council on:
- i) the appointment of voting delegates and, where the rules of the international body allow, additional or alternate delegates to international meetings;
 - ii) instructions for the delegate(s), having considered the agenda of the relevant international meeting;
 - iii) nominations of Australian scientists for office in international bodies.

FINANCE COMMITTEE

g As provided in the Bye-Laws the primary function of the Finance Committee is to act as an agent of and an advisory body to Council in relation to financial management, risk management, statutory accountability and audit and financial statement related matters. Its responsibilities, as defined in the Finance Committee Charter, are to inform Council on matters within the Committee's authority, and to provide advice to Council on outcomes and policies relating to these specified areas.

5 Declaration of interest

When offered appointment, and at other appropriate times during a committee's work, the members will be asked by Council to identify any aspect of the work of the committee that relates to their own pecuniary or professional interest. Such declarations will be made available, at the discretion of Council, to other members of the committee.

6 Reports to Council

a The Chair of each committee will make an annual report to Council on the work of the previous year by 15 January covering:

- i) a list of meetings held, and business transacted, with reference to minutes previously submitted to Council;
- ii) meetings of relevant outside bodies, including those of related international unions or other organisations, with details of the Academy's representation at, and contributions to, such meetings;
- iii) in the case of National Committees, office held by Australians in the relevant international body;
- iv) details of the principal issues or activities of the committee during the year and their current standing;
- v) recommendations for continuing Academy activities;
- vi) proposals for future activities;
- vii) recommendations as to membership of the committee including representatives of outside bodies;
- viii) an appropriate budget for the year starting 1 July.

b Reports of sub-committees and other subsidiary bodies should be made through the parent committee.

c Annual reports will be reviewed before presentation to Council as follows:

- i) National Committees, by The Secretaries concerning activities within Australia and collaboration with other national bodies and by the Foreign Secretary regarding liaison with inter-national bodies;
- ii) all other committees by The Secretaries.

Matters of special note will be drawn to the attention of Council. Annual reports may be considered at the Annual General Meeting.

d Finance Committee, through the Chairperson, reports to Council after each Committee meeting. Minutes of all Committee meetings are circulated to Council with the papers.

7 Finance

Committees may incur expenditure only within budgets previously approved by Council.

8 Method of working

- a** The work of committees will usually be carried out by their members, coordinated by correspondence and meetings where necessary (see section 9a below). Members of committees will serve in an honorary capacity.
- b** Where the activities of a committee require the appointment of staff or paid consultants (including writers or editors), recommendations for such appointments will be made to Council. In the case of staff appointments, these will be subject to the Conditions of Employment for staff of the Academy.

9 Meetings

- a** A meeting of a committee may be convened (subject to the provisions of section 7 above and section 9b below) by its Chair at any time and will be convened within 30 days of the Chair receiving a requisition for a meeting. Such a requisition may be signed by any three committee members, one of the Secretaries, or the Executive Secretary under the direction of Council. A requisition may specify a matter which the committee is required to consider. In that case, the committee will consider it and make a report to Council.
- b** The Chair of a committee will consult the Executive Secretary on the convening, timing and financial provisions for a meeting and will ensure that the Secretaries receive a notice paper not later than 14 days before the date of the meeting.
- c** Meetings of committees will be held where practicable in Canberra. They may be held elsewhere, including in association with meetings of national scientific societies, if it is significantly cheaper to do so.
- d** The Executive Secretary, or a member of the Academy's staff appointed by the Executive Secretary, will act as Secretary and attend all meetings of a committee.
- e** As provided in the Bye-Laws, the Finance Committee will meet at least twice in each year, provided that a meeting need not be held if all members of the committee who are in Australia at the time so agree in writing. Members may be convened by the Treasurer or either of The Secretaries. A quorum shall be three, including one member who is not an Officer.

10 Confidentiality

In accordance with the Bye-Laws, all business transacted at a meeting of any committee of the Academy will be treated as confidential to the members of the committee, unless otherwise determined by Council. Notwithstanding the foregoing provision, representatives of outside bodies should keep the members of the bodies that they represent informed of the work of the committee concerned.

11 External action

- a** Formal communications and public statements relating to the work of committees will be channelled through Council. Chairs and members of committees will not communicate directly with external bodies concerning action by the Academy or proposed action by such external bodies, with the following provisos:

- i) that, in the following matters, international communications will be made through the Foreign Secretary of the Academy:
 - a) notifications of membership of Australian National Committees;
 - b) invitations to international bodies to hold meetings in Australia;
 - c) major policy matters or any financial commitment;
 - d) matters on which it is desired that an opinion carrying the full weight of the Academy be expressed;
 - e) nominations of Australians for office in related international bodies;
- ii) that, on any other matters which do not involve a major commitment for Australia or the Academy, the Chair may communicate directly with the related international union or organisation.

II. PUBLICATION POLICY

(Made 14 July 1977; amended 8 December 2003.)

1 General

- a Academy activities should be reflected in appropriate publications, produced as described below, unless specific exception is made, and should maintain a standard of excellence appropriate to the Academy.
- b Publications may comprise or contain material not directly arising from Academy activities, but which is considered to be relevant to the achievement of the Academy's objectives.
- c The term 'publication' refers to printed material and other media.

2 Content

- a The content of publications should reflect the terms of reference and other guidelines provided by Council for those responsible for planning the Academy's activities.
- b In the case of reports of an investigatory nature, procedures and guidelines adopted by Council for their review should be observed.

3 Presentation and design

- a The presentation and design of publications may vary, appropriateness of format being preferred to strict uniformity, although attention should be given to the development of consistency of presentation. Illustrations should be used appropriately for text and covers.
- b The presentation of the same material in different forms as a means of increasing both the extent of dissemination and the range of readership on individual topics should be retained as an option.

4 Style

Guidelines on style should be adopted as a contribution to excellence of production.

5 Production

Economy in production should be actively sought and, in particular, an increase in demand to secure lower unit costs and selling prices.

6 Timing

Planning and procedures should be developed to ensure that all publications are produced with the minimum of delay, especially those resulting from symposia and conferences.

7 Promotion

The Academy's publications should be promoted actively to secure the widest possible circulation in Australia and overseas.

8 Financial aspects

- a** The publication program should be managed to ensure that it is financially self-supporting, although Academy policy considerations may lead to individual publications being distributed free or sold at a loss.
- b** The prime purpose of Academy publications is to disseminate scientific knowledge. If this is achieved effectively the number of copies required will normally exceed the financial break-even point.

III. CONDUCT OF MEETINGS OF THE COUNCIL

(Made 24 June 1955; amended 11 December 1964, 8 December 2003.)

1 Dates of meeting

These will be determined for the ensuing year at the last (March) meeting of each Council. The dates so determined will not be altered subsequently, save for grave reason such as probable lack of a quorum; any such alteration will be made only upon the order of the Chair of the projected meeting.

2 Agenda

These will be prepared by The Secretaries. The order of business will be:

- a** Approval of the minutes of the previous meeting.
- b** Matters arising from the minutes.
- c** Actions required by the Bye-Laws.
- d** Items of business put forward by Officers.
- e** Items put forward by members and of which brief outlines have been received at the office of the Academy at least 14 days before the meeting accompanied by a statement of any action to be proposed. Items accompanied by recommendations for specific action will take precedence over items for which only discussion is proposed.
- f** Report of any action taken by the Officers in anticipation of approval by the Council.

3 Notice to members of business to be considered

The agenda will be sent to all members at least ten days before a meeting. A supplementary agenda, containing items covered by section 2d-f above, may be sent to members four days before the meeting.

4 Minutes

Draft minutes approved by The Secretaries will be presented at the following meeting of Council for approval.

5 Suspension of Standing Orders for the conduct of meetings of Council

These orders may be suspended during a meeting for any portion of that meeting, provided such suspension is formally proposed and seconded and is agreed to by at least three-fourths of the members present.

IV. TRAVELLING EXPENSES

(Made 7 October 1955; amended 22 February 1957, 3 April 1959, 14 February 1964, 17 March 1967, 16 October 1975, 13 December 1990, 8 December 2003.)

1 Application

This Order will apply only when travel is authorised by Council, an Officer or the Executive Secretary and when the claimant has travelled exclusively on Academy business.

Unless otherwise determined by Council, fares and either overnight or meal allowances will be paid for attendance at Annual General Meetings, meetings of Council, meetings of Officers and Executive Secretary, and meetings of Standing Committees.

2 Fares

Economy class airfares or first-class rail fares may be paid together with transfers (taxi, bus or parking) to and from terminals. Travel by the claimant's own car may be paid for at a rate determined by Council from time to time, provided the cost does not exceed the economy airfare.

Notwithstanding the above paragraph, first-class or business class airfares may be paid on the decision of an Officer.

3 Overnight and daily allowances

Costs of accommodation and meals may be paid for nights spent away from home within Australia on Academy business when it is not possible to travel to and from an event on the same day, but excluding any night spent in transit. Such travel expenses claims may be paid within limits set by Council and based on the Australian Taxation Office Reasonable Allowances amounts.

For overseas travel, expenses may be paid based on the Australian Taxation Office Reasonable Allowance amounts.

4 Meal allowance

While absent on Academy business and when no overnight allowance is payable, reimbursement may be sought for the cost of meals within limits set by Council and based on the Australian Taxation Office Reasonable Allowances amounts.

V. CONDITIONS OF EMPLOYMENT

(Made 16 November 1955; amended 17 October, 5 December 1979, 17 October 1984, 26 June 2003.)

Because of its length the Standing Order is not printed here. Copies are supplied to members of staff and are available on request.

VI. ADMINISTRATIVE ARRANGEMENTS

(Made 7 October 1960; amended 20 July 1962, 10 June 1971, 12 July 1989, 8 December 2003, 2 December 2010.)

- 1 Trust funds and similar endowments administered by the Academy will be levied.
 - a For larger funds, as defined by Council from time to time, 1.5 per cent of the value of the fund, including accumulated income, at the end of the preceding financial year, or
 - b For smaller funds 1.75 per cent of the value of the fund.
- 2 The fund will receive a return each year based upon the capital and accumulated income in the fund and on the interest rate calculated on the basis of the Academy's percentage return on its investment portfolio in the same year.

VII. SCIENTIFIC CONFERENCES

(Made 15 February 1963; amended 11 December 1964, 20 March 1968, 14 February 1969, 3 December 1970, 12 February 1971, 15 September 1972, 20 February 1976, 13 April 1978, 15 July 1981, 17 February 1983, 11 July 1984, 22 October 1986, 8 December 2003.)

1 Application

This Standing Order is to be observed for all conferences sponsored by the Academy.

2 Sponsorship

In considering whether or not to grant Academy sponsorship to a proposed scientific meeting Council will be influenced by some or all of the following factors:

- a Contribution to the advancement of scientific knowledge.
- b Appropriateness of timing in relation to the international status of the subject.
- c Importance of the subject for the development of Australia in relation to national or regional problems.
- d Scale and scientific quality of Australian work.
- e Stimulation of Australian work.
- f Number and quality of overseas scientists likely to attend.
- g Other benefits to Australia or Australian science.

3 Support for sponsored conferences

In granting sponsorship to a conference, the Academy gives general approval to the scientific content of the conference but takes no responsibility for its organisation or financing. Assistance with specific aspects of the conference may be provided as described in sections 5 to 8 below. Council will nominate at least one member of the committee responsible for the scientific program of the conference.

4 Procedures

- a** Council should be informed of tentative proposals as early as possible.
- b** Proposals should normally be made to the Council through a National or other Academy committee.
- c** Council recognises that for some international meetings the 'intention to invite' may have to be foreshadowed many years in advance. In such cases the advice of Council should be sought before any action is taken which may later involve the Academy. If substantial financial support, including a Commonwealth grant is required, an invitation can only be made conditionally unless prior guarantees have been received.
- d** When a definite request for sponsorship is made to Council the following details should be given:
 - i) reasons for sponsorship (see section 2 above);
 - ii) outlines of the scientific scope of the meeting and the supporting programs;
 - iii) estimated number of the participants from Australia and from overseas. If there is to be any differentiation in status of the participants (eg, observers), this should be indicated;
 - iv) organisational arrangements;
 - v) proposed Budget;
 - vi) proposed publication arrangements (see section 5 below).

5 Publications of proceedings

Where it is appropriate that proceedings of a sponsored conference should be published, the Academy may undertake direct publication with the agreement of and on terms to be agreed with the organising committee.

6 Financial arrangements

Council may approve bridging loans to sponsored conferences, from the Conference General Reserve, in specific cases and under terms to be approved individually by the Treasurer.

7 Donations

The Academy may accept donations towards the scientific aspects of sponsored conferences under the Academy's tax deductibility arrangements, subject to specific conditions including Council's prior written approval for the use of the funds so accepted.

8 Visas

Where sponsored conferences come within the purview of the International Council of Scientific Union's Rules for the Free Circulation of Scientists, the Academy will assist the organising committees of sponsored conferences in the application of those rules, in the obtaining of visas for bona fide scientists wishing to participate in sponsored conferences, and in liaison on these matters with the Department of Foreign Affairs.

9 Independent action and public statements

Formal communications and public statements related to the conference, other than about the program and participants of a conference, will only be made with the Academy's prior approval.

VIII. CONFIDENTIAL ARCHIVES

(Made 23 March 1966.)

1 Application

This Order applies to the following material which will be designated the Confidential Archives of the Academy:

- a** Referees' opinions of former candidates for election to Fellowship.
- b** Personal records prepared and submitted by Fellows.
- c** Such other material as may be designated from time to time by the Council.

2 Access

- a** No person will have access to the Confidential Archives referred to in section 1a above until after the death of the subject.
- b** No person except the subject will have access to the Confidential Archives referred to in section 1b above until after the death of the subject.
- c** Subject to paragraphs a and b of this section, access to Confidential Archives may be granted only by approval of Council, limited in each case as Council may think fit.

IX. ADMINISTRATIVE ARRANGEMENTS FOR SCHOOL SCIENCE PROJECTS

(Made 10 September 1981; amended 8 December 2003.)

Council is aware that individual school science projects, from inception to completion, span several years and that the feasibility of the original proposal may not have been fully tested when the project is approved. Timing, publication proposals and financial provisions may subsequently require modification. The following arrangements have been designed to ensure the orderly progress of projects and that proposals for necessary modifications are dealt with effectively, flexibly and quickly.

For any school science project, or similar activity, established by Council the following arrangements will apply:

1 Project Committee

- a** A Project Committee (the Committee) will be established by Council with terms of reference that specify:
 - i) the nature, extent and timing of the project or activity;
 - ii) the expected product(s) of the activity;
 - iii) any follow-up activities to be undertaken in conjunction with, or following the completion of the main activity;
 - iv) the Committee's management responsibilities for the activities defined in paragraph a (i-iii) of this section.

- b** Thereafter the Committee will be responsible to Council for:
- i) carrying out its terms of reference within the approved timetable;
 - ii) preparing a detailed timetable for the project and submitting it to Council for approval;
 - iii) revising the timetable if required by events, and resubmitting it to Council;
 - iv) reporting to Council on each of its meetings (paragraph d of this section);
 - v) providing direction to the Project Director;
 - vi) submitting annual budgets to Council, and requesting variations in such budgets whenever necessary;
 - vii) preparing, in consultation with the Project Manager and the Publications Manager, an assessment of the publishing aspects of the project in the form approved by Council and submitting it to Council;
 - viii) keeping all approved publications proposals under review and seeking Council's prior agreement to any departure from the approved content, extent, timing or cost;
 - ix) authorising material for publication, in accordance with approved proposals.
- c** The Committee will meet as often as necessary (normally at least twice yearly) to keep under close review:
- i) the progress of each of the project activities;
 - ii) any changes in extent or timing of these activities;
 - iii) the progress of authorised publications and any changes from the plan;
 - iv) the financial implications of such changes;
 - v) the project's budget for the current and future years.
- d** The Committee will report to Council through the minutes of its meetings, on the matters for which it is responsible (paragraphs b and c of this section).

2 Project Director

- a** For any project for which a Project Director, Supervising Editor, Project Officer, Consultant or similar staff member is appointed, they will be subject to the direction of the Project Committee and responsible to the Project Manager for:
- i) the development of the project within the approved extent and timing including publications resulting from it, in the latter case in collaboration with the Publications Manager;
 - ii) writing, collecting from other authors, and editing material for publication, within the specification in the publications' proposal(s) approved by Council;
 - iii) supervising and directing writing, re-writing, editorial and other tasks assigned by the Project Committee (with the approval of Council) to other authors and editors;
 - iv) obtaining suitable illustrative material for approved publications and, in consultation with the Publications Manager, supervising the preparation of the necessary artwork;

- v) carrying out or supervising other tasks associated with the project as may be approved from time to time by Council, on the recommendation of the Project Committee;
- vi) supervising, directing and reporting on the work of such other project staff, including field officers, editors or consultants as may be approved from time to time by Council, on the recommendation of the Project Committee; and
- vii) keeping the Chair of the Project Committee and the Project Manager closely informed of the progress of all work for which they are responsible and for advising them without delay of any likely departures from approved timing, extent and costs of the project and its associated publications.

3 Publications Manager

The Publications Manager will be responsible to the Executive Secretary for:

- a** Advising and collaborating with the Project Committee in developing the concept of the publication or publications to be produced by the committee including the format and related matters.
- b** Consulting with and advising the Project Committee on the preparation of publications proposals for submission to Council, and in the preparation of any supplementary proposals.
- c** Preparing detailed costings for planned publications on the basis of the best information available at the time, including information on student numbers and other advice from the Project Committee and its Director, and for including these costings in the Academy's budget estimates.
- d** Maintaining continuing liaison with the Project Committee, project staff and editorial groups during the development of the material, including participation as necessary in meetings of the Project Committee or editorial groups.
- e** Keeping the committee and staff of the project, the Publications Management Committee and the Project Manager informed of the schedules for the production of publications associated with the project, of the details of costing and prices and of all potential or actual departures from approved timing, extent and costs of these publications.
- f** Collaborating with the Project Committee in the production and dissemination of material promoting the individual publications resulting from the project.
- g** The publication of authorised material within the approved specifications and financial limits, subject to the supervision of the Publications Management Committee.

4 Project Manager

A Project Manager will be nominated and will be responsible to the Executive Secretary for:

- a** Ensuring that the approved program of the Project Committee is executed in accordance with the directions of Council.
- b** Communicating to the Project Committee the policies and specific decisions of Council concerning the project.
- c** Acting as secretary to the Project Committee.

- d** Reporting to the Executive Secretary on the progress of the project and on any departures from the authorised plan as to content, extent or timing, and the financial implications of such departures.

X. INVESTMENT POLICY

(Made 14 July 1999; amended 8 December 2003, January 2006)

- 1** The Academy's goal is to build a secure financial base through the long-term growth of an investment portfolio, and to provide annual income for current activities. This policy provides for the investment of the Academy's financial assets.

ASSET SELECTION

- 2** The Academy's funds may be invested:
 - a** in the purchase, or upon mortgage, of land of any tenure in any State or Territory; and
 - b** in the purchase or subscription of (including the purchase of rights to subscribe for) the shares, stock, debentures, notes and other securities and obligations of any company listed, or listing, on the Australian Stock Exchange or any other stock exchange approved by Council from time to time, subject to the procedures and rules below; and
 - c** in interest-bearing securities, bills, cash funds or deposits issued or managed by an organisation endorsed for the purpose by Council with the advice of the Finance Committee; and
 - d** in any Trust or Fund, listed or unlisted, investing in any financial instrument in Australia or overseas, subject to approval of each Trust by Council.
- 3** The Academy currently holds a significant part of its financial assets directly or indirectly in the form of equities, with the object of securing long-term capital growth. The balance of the portfolio may be placed in interest-bearing investments of various terms in approved institutions and companies. The proportion of the Academy's funds going into each broad class of assets will be decided by Council after advice from the Finance Committee.
- 4** The Academy does not invest directly in property except for its own use.

INTEREST-BEARING SECURITIES

- 5** Holdings of interest-bearing investments will be limited to:
 - a** Commonwealth Government guaranteed securities, with no limit on holdings;
 - b** State and semi-government approved institutions with State government guarantees but with no Commonwealth Government guarantee – with a maximum of 20 per cent of the face value of the interest-bearing portfolio in any one institution;
 - c** Approved Australian banks (List A), and institutions with credit ratings of at least A+ (for long term investments) and A-1 (for short term investments) – with a maximum of 15 per cent of the face value of the interest-bearing portfolio in any one institution;

- d** Industrial companies which have similar credit ratings to those above, with a maximum of 10 per cent of the face value of funds invested in interest-bearing securities to be invested in any one stock. The total of all investments in this category will not exceed 30 per cent of the interest-bearing portfolio.

All references to maximum proportions of funds to be held in any sub-class of investments will apply at the time a decision to purchase is made.

FINANCE COMMITTEE

- 6** The role of the Finance Committee is established by Bye-Law III 13. Its powers include advising Council on investments. Without limiting the generality of the provisions of Bye-Law III 13, Council will seek the advice of the Committee on:
 - a** the institutions and companies to be placed on or removed from Lists A ;
 - b** the proportion of the Academy's funds to be allocated to the various classes of assets;
 - c** the strategy for, and particular decisions about, the purchase or sale of investments, subject to section 7 below.

APPROVAL OF PURCHASES AND SALES

- 7**
 - a** Purchase or sale of investments may be made by the Treasurer after advice from the Finance Committee. All such purchases will be reported to Council.
 - b** Between meetings of the Finance Committee, the Treasurer and the President, or, in the case that either is unavailable, the Treasurer or President and one other member of the Finance Committee, may agree to individual purchases or sales of investments other than those specified in paragraph c of this section up to a maximum value of \$250,000 each with a limit of \$800,000 for the total of all such purchases or sales between meetings of the Executive Committee which may authorise additional purchases or sales.
 - c** The Treasurer or President acting alone, or, in the case of their unavailability, any other Officer, may authorise the purchase of interest-bearing investments from the proceeds of the maturing of an investment, subject to the restrictions provided in sections 5 above.

XI. BODEN RESEARCH CONFERENCES

(Made 23 October 1980; amended 27 May 1981, 16 October 1985, 6 July 1994, 14 December 1994.)

Whereas Dr A Boden AO FAA, Governing Director of Hardman Australia Pty Ltd and of Science Press, has placed at the disposal of the Academy the means of establishing an annual series of research conferences in the biological sciences commencing in 1981, the following regulations are adopted:

- 1** There will be a series of specialist research conferences in biology, to be called the Boden Research Conferences.
- 2** Each year invitations will be issued to all relevant scientific societies to propose topics for the Boden Conferences. The committee referred to in section 3 below may also initiate proposals. Proposals should be in the following form:
 - a** a tentative program, with the names of possible participants;

- b** a brief statement concerning the aims, value and timeliness of such a program, including an indication of support from the local scientific community and of the importance of the program for Australian science;
 - c** the names of joint organisers;
 - d** a proposed budget.
- 3** Council, after receiving advice from a committee appointed for the purpose, may select proposals for any one year and appoint:
 - a** the sponsoring scientific society, or societies; and
 - b** the organisers.
 - 4** The organisers of the approved conferences will be responsible for the organisation of the conferences, and the sponsoring scientific society(ies) will receive, administer and be accountable to Council for the sum allocated to the meeting.
 - 5** Council will establish a fund for the purpose of supporting the Boden Research Conferences, with authority to accept contributions from sources other than the gift by which the fund is to be established in the first instance.
 - 6** While the fund remains in excess of \$100,000 charges on the fund for administration will not exceed 2 per cent of the fund in any financial year, and interest accruing will be credited to the fund.

XII. ELIZABETH AND FREDERICK WHITE RESEARCH CONFERENCES

(Made 22 October 1986; amended 17 December 1996, amended 2 April 2009.)

Whereas the late Lady (Elizabeth) White MBBS, and the late Sir Frederick White FAA FRS, have placed at the disposal of the Academy the means of establishing a series of research conferences in the physical and mathematical sciences related to the solid earth, the terrestrial oceans, the earth's atmosphere, solar-terrestrial science, space sciences and astronomy, commencing in 1987, the following regulations are adopted:

- 1** There will be a series of specialist research conferences to be called the Elizabeth and Frederick White Research Conferences, with the purposes of:
 - a** advancing at the most fundamental level the understanding of the chosen subject;
 - b** endeavouring to introduce to Australian research a new aspect or new direction not hitherto undertaken;
 - c** encouraging the participation of overseas scientists.
- 2** Council will maintain a capital fund for the purpose of providing seed money for the Elizabeth and Frederick White research conferences with authority to accept contributions from sources other than the gift by which the fund was established in the first instance.
- 3** Charges on the fund for administration will not exceed 2 per cent of the fund in any financial year. Interest accruing will be credited to the Fund.
- 4** Each year invitations will be issued to all relevant scientific organisations and societies to propose topics for these conferences. The committee referred to in section 5 below may also initiate proposals. Proposals should be in the following form:
 - a** a tentative program, with the names of possible participants;

- b** a brief statement concerning the aims, value and timeliness of such a program, including an indication of support from the local scientific community and of the importance of the program for Australian science;
 - c** the names of two joint organisers;
 - d** a proposed budget;
 - e** a formal undertaking from the two joint organisers that on acceptance of their proposal by Council the conference will be called an Elizabeth and Frederick White Conference and advertised as such.
- 5** Council, after receiving advice from a committee appointed for the purpose, may accept one proposal.
 - 6** The organisers of the approved conferences will be responsible for the organisation of the conferences, and the sponsoring scientific organisation(s) will receive, administer and be accountable to Council for the sum allocated to the meeting.
 - 7** At any time after the expiration of ten years from the date when this Standing Order is made the Council may from time to time review the purpose of the Conferences in the light of conditions and needs then existing and, if thought fit, may amend the purpose of the Conferences in such a manner as it will in its absolute discretion consider appropriate provided that such amended purpose will assist in the advancement of science.

XIII. THE FENNER CONFERENCES ON THE ENVIRONMENT

(Made 21 October 1987; amended 12 July 1989.)

Whereas Professor FJ Fenner AC CMG MBE FAA FRS, and Mrs Fenner have placed at the disposal of the Academy the means of establishing a series of conferences on issues in the conservation of the natural environment in Australia and its environs, the following regulations are adopted:

- 1** There will be a series of conferences, to be called the Fenner Conferences, with the purpose of bringing together those with relevant scientific, administrative and policy expertise to consider current environmental and conservation problems in Australia, and thereby contributing to the formation of policies which can alleviate some of the environmental problems that confront Australia.
- 2** Each year invitations will be issued to all relevant scientific societies and research institutions in Australia to propose topics for these Conferences. The committee referred to in section 3 below may also initiate proposals. Proposals should be in the following form:
 - a** a tentative program, with the names of possible participants;
 - b** a brief statement concerning the aims, value and timeliness of such a program, including an indication of support from the local scientific community and of the importance of the program for the conservation of Australia's natural environment;
 - c** the names of two joint organisers;
 - d** a proposed budget.
- 3** Council, after receiving advice from a committee appointed for the purpose, may select one proposal for any one year and appoint:
 - i) the sponsoring organisation, or organisations; and
 - ii) the organisers.

- 4 The organisers of the approved conferences will be responsible for the organisation of the conferences, and the sponsoring scientific organisation(s) will receive, administer and be accountable to Council for the sum allocated to the meeting.
- 5 Council will establish a fund for the purpose of supporting the Fenner Conferences, with authority to accept contributions from sources other than the gift by which the fund is to be established in the first instance.

XIV. SELBY FELLOWSHIP

(Made 9 October 1959; amended 16 February 1968. Re-written 9 December 1976.)

Commencing in 1959, HB Selby Australia Ltd placed at the disposal of the Academy the means of establishing a junior research fellowship to be known as the Selby Fellowship. The Fellowships were normally awarded every second year to young overseas graduates of high promise and proven capacity for research to undertake a year's work in a laboratory of a university or other research institution in Australia.

Beginning in 1977, and in recognition of the greater availability of junior fellowships to enable promising overseas scientists to undertake research in Australia and of the need to provide an increased exchange at a more senior level, the donors and the Council have agreed to alter the awards to senior short-term fellowships to enable distinguished overseas scientists to undertake public lecture/seminar tours and to visit scientific centres in Australia. Accordingly, the following regulations are adopted:

- 1 There will be a Selby Fellowship to be awarded to distinguished overseas scientists to enable them to undertake public lecture/ seminar tours and visit scientific centres in Australia.
- 2 The Fellowship will be awarded by the Council of the Academy on the recommendation of a committee appointed by Council.
- 3 The Fellowship will be tenable for visits to Australia of between two weeks and three months duration and will normally be awarded once a year.
- 4 The following expenses will be provided in connection with the Fellowship:
 - a direct return airfares between the Fellow's city of residence and Australia;
 - b airfares within Australia for an itinerary approved by Council;
 - c a daily allowance at the rate determined by Council from time to time for Fellows of the Academy;
 - d such expenses incidental to the award as will be approved by Council.

XV. GEOFFREY FREW FELLOWSHIP

(Made 3 December 1970.)

Whereas Mr GSV Frew, Chairman of Varian Techtron Pty Ltd, has personally donated \$25,000 to the Academy for the purpose of endowing fellowships to enable distinguished overseas scientists to participate in the Australian Spectroscopy Conferences and to visit scientific centres in Australia, the following regulations are adopted:

- 1 There will be a Geoffrey Frew Fellowship to be awarded to distinguished overseas scientists to participate in the Australian Spectroscopy Conferences and to visit scientific centres in Australia.

- 2 The Fellowship will be awarded and the length of tenure determined by the Council of the Academy on the recommendation of the relevant National Committee.
- 3 The Fellowship will be tenable for visits to Australia of not less than two weeks and not more than three months.
- 4 The following expenses will be provided for the Fellow:
 - a direct return airfares between their city of residence and Australia;
 - b airfares within Australia for an itinerary approved by Council;
 - c a daily allowance at the rate determined by Council from time to time for Fellows of the Academy.
- 5 The sum referred to in the preamble will be paid into a Geoffrey Frew Fellowship Fund and will be invested in such manner as the Council will from time to time decide.
- 6 The income of the Fund will be available for the expenses of the Fellowship. Council may from time to time decide to add accumulated income to the capital of the fund.

XVI. RUDI LEMBERG TRAVELLING FELLOWSHIP

(Made 18 February 1977; amended 20 October 1977, 11 December 1991.)

Whereas Mrs Hanna Lemberg has donated \$50,000 to the Academy for the purpose of endowing a travelling fellowship to commemorate the contributions of Professor MR Lemberg FAA, to science in Australia, such Fellowship to be awarded to overseas and Australian scientists of standing to visit scientific centres in Australia and deliver lectures and to be known as the Rudi Lemberg Travelling Fellowship, the following regulations are adopted:

- 1 There will be a Rudi Lemberg Travelling Fellowship to be awarded to overseas or Australian scientists of standing to visit scientific centres in Australia and to deliver lectures. The Fellow may be drawn from any field of biology but special consideration should be given to those areas in which Professor Lemberg had an especial interest, namely biochemistry, conservation and the Australian flora. The purpose of the fellowship is (a) to enable overseas scientists of standing to visit Australia, and while based primarily at one centre, to visit other scientific centres in Australia, to deliver lectures and where appropriate, to deliver lectures to the general public; (b) to enable Australian scientists of standing to spend a similar period within Australia away from their own institutions visiting scientific centres, delivering lectures and, where appropriate, delivering lectures to the general public.
- 2 The Fellowship will be awarded and the length of tenure determined by the Council of the Academy on the recommendation of a Lemberg Travelling Fellowship Committee which will be appointed by Council from time to time and will include two members nominated by the Australian Society for Biochemistry and Molecular Biology, Inc.
- 3 The Travelling Fellowship will be tenable for visits to and within Australia of not less than two weeks.
- 4 The following expenses will be provided:
 - a for overseas Fellows, direct return airfares between their city of residence and Australia;
 - b airfares within Australia for an itinerary approved by Council;
 - c such expenses incidental to the award as will be approved by Council.

- 5 The sum referred to in the preamble will be paid into a Rudi Lemberg Travelling Fellowship Fund and will be invested in such manner as the Council will from time to time decide.
- 6 The income of the Fund will be available for the expenses of the Fellowship. Council may from time to time decide to add accumulated income to the capital of the Fund.
- 7 At any time after the expiration of 25 years from the date when this Standing Order is made the Academy may from time to time review the purpose of the Fellowship in the light of conditions and needs then existing and, if thought fit, may amend the purpose of the Fellowship in such manner as it will in its absolute discretion consider appropriate provided that such amended purpose will assist in the advancement of science and will be appropriate to ensure the continuance of the Fellowship as a commemoration of the scientific work of Professor Lemberg.

XVII. GRAEME JAMES CAUGHLEY TRAVELLING FELLOWSHIP

(Made 5 July 1995; reviewed and amended 3 December 2009.)

Whereas it was the desire of Council in 1995 to collaborate with the CSIRO Division of Wildlife and Ecology, the Australasian Wildlife Management Society and the New Zealand Crown Research Institute Manaaki Whenua-Landcare Research to commemorate the work of Graeme James Caughley *FAA*, by promoting research in ecology and its practice in wildlife management, the following regulations are adopted:

- 1 The Graeme Caughley Travelling Fellowship is to be awarded to an ecologist resident in Australia or New Zealand to visit scientific centres in countries other than Australia or New Zealand and to deliver lectures. The Fellow may be drawn from the field of ecology but special consideration should be given to those areas in which Graeme Caughley had an especial interest, namely population ecology of wildlife and/or its scientific management. The purpose of the Fellowship is to enable Australasian ecologists to spend a period away from their own institutions and to share their expertise with scientists in other countries.
- 2 The Graeme Caughley Fund (the Fund) was set up by the Academy in 1995 to receive donations resulting from an appeal conducted for the above purposes of the Award. The Fund is invested in such a manner as Council does from time to time decide.
- 3 The Fellowship is awarded, and the length of tenure determined, by Council after advice from a Graeme Caughley Travelling Fellowship Committee, which is appointed by Council from time to time and is chaired by a Fellow of the Academy, expert in a discipline appropriate to the purposes of the Award.
- 4 Income accruing to the Fund is retained within the Fund and distribution of income and/or capital for the expenses of the Fellowship is made at the discretion of the Council after receiving advice from the Committee.
- 5 All expenses of administering the Fund and all expenses incurred in making the award are to be met from the Fund.
- 6 After a period of ten years from the date of this Standing Order Council may again review the award.

XVIII. COLLABORATION WITH THE AUSTRALIAN ASSOCIATION FOR THE WEIZMANN INSTITUTE OF SCIENCE

(Made 27 May 1981.)

Whereas it is the desire of Council to collaborate with the Australian Association for the Weizmann Institute of Science (the Association) in promoting collaboration between scientists in Israel and in Australia, and in particular between Australian scientists and the Weizmann Institute of Science, and whereas the Association has provided an endowment for this purpose, the following regulations are adopted:

- 1 There will be a fund set up by the Academy known as the Weizmann Institute Fund (the Fund), to receive donations for the above purpose.
- 2 An Advisory Committee will be appointed by the Council of the Academy after consultation with the Board of Management of the Association to advise Council on the use of the Fund.
- 3 Grants from the Fund may be made by the Council of the Academy after receiving advice from the Advisory Committee.
- 4 Grants from the Fund may be made in any field of the natural sciences.
- 5 Applications for grants from the Fund will be solicited by Australia-wide advertisements in newspapers and other appropriate media.
- 6 All expenses incurred in making the grants, including for meetings of the Advisory Committee and for administrative expenses, will be met from the Fund.
- 7 Interest accruing to the Fund will be retained within the Fund.

XIX. 25TH INTERNATIONAL GEOLOGICAL CONGRESS FUND

(Made 8 December 1977.)

Whereas Council has established a fund to be called the 25th International Geological Congress Fund (referred to hereafter as 'the Fund') to comprise the balance remaining in the account of the 25th International Geological Congress, the income and capital of the Fund may be disposed of as follows upon the decision of Council, having received advice from a Committee (referred to hereafter as the 'Fund Committee') to be appointed annually by Council after consultation with the relevant National Committee and the President of the Geological Society of Australia.

- 1 The income of the Fund will be devoted to the support of scientific meetings, other than international congresses, and public lectures to be held in Australia and within the area of the Earth Sciences, except that in the year in which an International Geological Congress is held, the annual income from the Fund will be devoted towards making awards to assist promising geologists from Australia and New Zealand to attend the Congress.
- 2 The capital of the Fund may be made available, after consultation with the Fund Committee, to meet deficits on international scientific conferences for which the academy has financial responsibility (under Standing Order XII) that cannot be met from the Conference General Reserve Fund.
- 3 The major activities to be supported from the income of the Fund will be announced at the time of each International Geological Congress, together with a report of activities so supported since the last Congress, including awards made to geologists from Australia and New Zealand to attend the Congress.

- 4 Activities to be supported from the income of the Fund will include visits to Australia by overseas scientists, those from New Zealand and Papua New Guinea being particularly appropriate.

XX. 13TH INTERNATIONAL BOTANICAL CONGRESS FUND

(Made 19 October 1983; amended 17 October 1984.)

Whereas the Council has established a 13th International Botanical Congress Fund to receive the surplus of the 13th International Botanical Congress, the following regulations are adopted:

- 1 The capital of the fund may be made available by decision of the Council to meet deficits on any international conference for which the Academy has financial responsibility (under Standing Order XII) where those deficits cannot be met from the Conference General Reserve.
- 2 The income of the Fund may be disposed of by decision of the Council after receiving advice from the relevant National Committee.
- 3 The income may be used to support activities within the plant sciences including activities proposed by the National Committee as part of its work.
- 4 In the case of support for individual botanists participating in conferences or meetings, such as the International Botanical Congresses, applications for grants will be solicited by advertisements and recommendation by the Committee will be on the basis of open competition.
- 5 All expenses of administering the Fund and of making grants from it will be met from the Fund.

XXI. 29TH INTERNATIONAL CONGRESS OF PHYSIOLOGICAL SCIENCES FUND

(Made 17 October 1984.)

Whereas Council has established a fund to be called the 29th International Congress of Physiological Sciences Fund (referred to hereafter as the Fund) to comprise the balance remaining in the account of the 29th Congress of the International Union for Physiological Sciences, the following regulations are adopted:

- 1 The capital of the Fund may be made available by decision of the Council to meet deficits on any international conference for which the Academy has financial responsibility (under Standing Order XII) where those deficits cannot be met from the Conference General Reserve Fund.
- 2 The income of the Fund may be disposed of by decision of the Council after receiving advice from the relevant National Committee.
- 3 The major activity to be supported from the income of the Fund will include support of young physiologists to attend meetings of the International Union for Physiological Sciences including General Assemblies, Congresses and Regional meetings.
- 4 The income of the Fund may also be used to support other activities proposed by the National Committee as part of its work.
- 5 All expenses of administering the Fund and of making grants from it will be met from the Fund.

XXII. HONORIFIC AWARDS

(Made 11 July 2001; amended 8 December 2003; 28 June 2007, 8 September 2007, 6 March 2008, 17 June 2010, 3 March 2010, 2 December 2010.)

- 1** Pursuing its purpose 'to establish and maintain standards of scientific endeavour and achievement in the natural sciences in Australia and to recognise outstanding contributions to the advancement of science', the Academy has established a number of honorific awards.

There are two categories of honorific awards:

- a** awards for research, at either a senior or junior level;
- b** the Academy Medal.

- 2** Over time, Council will achieve a balance between the various disciplines, but in the medium-term an unbalanced distribution will be tolerated.

- 3** Senior awards recognise achievement over a career of whatever length.

The senior awards are:

Thomas Ranken Lyle Medal for research in mathematics or physics (1956);

Matthew Flinders Medal and Lecture for research in the physical sciences (1956);

Macfarlane Burnet Medal and Lecture for research in the biological sciences (1969);

Mawson Medal and Lecture for research in the Earth sciences (1979);

Ian Wark Medal and Lecture for applied research (1987);

Jaeger Medal for research in the Earth sciences (1989);

Haddon Forrester King Medal for research in mineral exploration (1992);

Hannan Medal for research in the mathematical sciences (1994);

David Craig Medal for research in chemistry (1999).

- 4** Junior awards are directed at researchers still establishing their reputations, and of a quality that makes it probable that they will in due course be elected to Fellowship. Candidates must be no more than 40 years of age in the calendar year of nomination, except, at the discretion of Council, in the case of significant interruptions to a research career. Proposers of candidates for junior awards whose ages exceed the upper limit stipulated will be asked to address the nature and length of interruptions to the candidates' research careers.

The junior awards are:

Pawsey Medal for research in physics (1965);

Gottschalk Medal for research in the medical sciences (1976);

Frederick White Prize for research in the physical, terrestrial and planetary sciences (1981);

Le Fèvre Memorial Prize for research in chemistry (1989);

Moran Medal for research in statistics (1989);

Fenner Medal for research in biology, excluding the biomedical sciences (1997);

Dorothy Hill Award for research in the Earth sciences (2001);

Ruth Stephens Gani Medal for research in human genetics (2007);

Anton Hales Medal for research in Earth sciences (2009);

Christopher Heyde Medal for research in the mathematical sciences (2010).

Recipients of junior awards will receive at least \$1000.

- 5 The Academy Medal for contributions to science and technology was established in 1990. It may be awarded to a person outside the Fellowship for outstanding contributions to science by means other than the conduct of scientific research.

6 New awards

In considering proposals for new awards Council will have regard to the fields of science already covered, and define the subject area of the new award as widely as possible.

7 General administrative arrangements

- a All awards established since 1969 have been based on dedicated funds. The capital and income of each fund must meet all expenses of its award. The frequency of any award may be varied by Council according to the funds available. Funds are invested by the Academy according to Standing Order X.
- b To establish a new named award, the capital required needs to be at least 30 times the amount of the grant proposed for the award.
- c Awards are made by Council after receiving advice from selection committees appointed by Council. Council may accept the advice, ask the Committee for further advice, or make no award.
- d Council may review the award after a period of 10 years from the commencement of the award and may revise the purposes of the award or apply the fund to another purpose provided such amended use assists in the advancement of science or supports the original intent where specified by the benefactor.
- e All funds supporting these awards may accept contributions from sources other than the original gift.

8 Details of individual awards

a Senior awards

- i) *Thomas Ranken Lyle Medal for research in mathematics or physics*

The Thomas Ranken Lyle Medal was instituted in August 1931 by the Australian National Research Council (ANRC). On the dissolution of ANRC the Academy assumed responsibility for the Medal.

The Thomas Ranken Lyle Medal recognises research in mathematics or physics. It honours the contribution to science and industry in Australia by Sir Thomas Ranken Lyle, Professor of Natural Philosophy at the University of Melbourne and Chairman of the Board of the Melbourne Observatory.

The Medal is awarded to researchers in Australia provided that work carried out in countries other than Australia may be taken into consideration if they have spent three of the previous five years in Australia. Work carried out during the whole of the candidate's career may be taken into consideration but special weight is given to recent work. The selection committee consists of Fellows to whom the medal has been awarded previously. The Medal is awarded not more frequently than once in two years.

ii) *Matthew Flinders Medal and Lecture for research in the physical sciences*

The Matthew Flinders Medal and Lecture recognise researchers of the highest standing in the physical sciences, and honour the contributions of Australia's early scientific researchers. The Lecture is given at an Annual General Meeting of the Academy, and alternates with the Burnet Lecture.

iii) *Macfarlane Burnet Medal and Lecture for research in the biological sciences*

The Macfarlane Burnet Medal and Lecture recognise researchers of the highest standing in the biological sciences and honour the contribution to science in Australia of Sir Macfarlane Burnet OMKBE MD FAA FRS Nobel Laureate, an immunologist and Director of the Walter and Eliza Hall Institute of Medical Research. The Lecture is given at an Annual General Meeting of the Academy and alternates with the Flinders Lecture.

iv) *Mawson Medal and Lecture for research in the Earth sciences*

The Mawson Medal and Lecture recognise research in the Earth sciences and honour the contribution to science in Australia by Sir Douglas Mawson FAA FRS, geologist and Antarctic explorer. The award is made to a scientist normally resident in Australia.

The selection committee consists of the President of the Geological Society of Australia, the Chair of the National Committee for Solid Earth Sciences and two members appointed by Council. The Lecture is delivered at the time of each convention of the Geological Society of Australia, and is published.

v) *Ian William Wark Medal and Lecture for applied research*

The Ian Wark Medal and Lecture recognise research which contributes to the prosperity of Australia where that prosperity is attained through the advance of scientific knowledge or its application, or both. They honour the contribution to Australian research of the late Sir Ian Wark CMG CBE FAA FTSE, a chemist who was Chief of the CSIRO Division of Industrial Chemistry. The award is normally made biennially and the Lecture is delivered in an appropriate State capital city and may, at Council's discretion, be repeated in other cities.

vi) *Jaeger Medal for research in the Earth sciences*

The Jaeger Medal recognises research on the solid Earth or its oceans carried out in Australia, or having some connection with Australian Earth science, and includes the application of mathematics, physics, chemistry and biology that contribute to a better understanding of the solid Earth or its oceans. It honours the contribution to science in Australia of the late Professor John Conrad Jaeger FAA FRS, who was Professor of Geophysics at the Australian National University. Work carried out through a candidate's career is taken into consideration but special weight is given to recent work. The award is made not more frequently than once in two years. The selection committee is chosen from Fellows to whom the medal has already been awarded, and any other Fellows appointed by Council. The expenses of the award are met from the book royalties Professor Jaeger bequeathed to the Academy.

vii) *Haddon Forrester King Medal for research in mineral exploration*

The Haddon Forrester King Medal recognises original and sustained contributions to Earth and related sciences of particular relevance to the

discovery, evaluation and exploitation of mineral deposits, including the hydrocarbons. It honours the contribution of the late Haddon King, as Director of Exploration for CRA, to the search for mineral deposits in Australia.

The award is made to scientists resident in Australia or elsewhere, and awarded not more frequently than once in two years. The selection committee consists of a Fellow of the Academy in the chair and nominees of the Australian Academy of Technological Sciences and Engineering, the Australasian Institute of Mining and Metallurgy, the Geological Society of Australia and the Royal Society of New South Wales. The funds for the award were donated by Haddon King's family, colleagues and friends, and CRA Ltd. In 2007 the Rio Tinto Group commenced financial contributions to the fund under a 5-year agreement.

viii) *Hannan Medal for research in the mathematical sciences*

The Hannan Medal recognises research in any of the fields of statistical science, pure mathematics, applied mathematics and computational mathematics. It honours the contribution to time series analysis of the late Professor EJ Hannan FAA, Professor of Statistics at the Research School of Social Sciences of the Australian National University. The award is made for research carried out mainly in Australia. Work carried out through a candidate's career is taken into consideration but special weight is given to recent research. The award is made in each of these fields in turn – statistical science, pure mathematics or applied mathematics and computational mathematics, and may not be awarded in two consecutive years. The funds for the award were donated by the family, friends and colleagues of the late Professor EJ Hannan.

ix) *David Craig Medal for research in chemistry*

The David Craig Medal recognises research in any branch of chemistry. It honours the contribution to chemical research of Emeritus Professor David Craig AC FAA FRS, Professor of Theoretical and Physical Chemistry, Research School of Chemistry of the Australian National University. The Medal is awarded to active researchers for contributions to chemistry. Awardees are expected to deliver lectures in a number of cities in Australia. Funds for the award were donated by Professor Craig's friends and colleagues and the University of Sydney.

b Junior awards

i) *Pawsey Medal for research in physics*

The Pawsey Medal recognises research in physics. It honours the contributions to physics of the late Dr JL Pawsey FAA, Assistant Chief of the Division of Radiophysics, CSIRO. The award is made annually and is restricted to candidates who are normally resident in Australia and for research conducted mainly in Australia.

ii) *Gottschalk Medal for research in the medical sciences*

The Gottschalk Medal recognises research in the medical sciences. It honours the contributions to the medical sciences of the late Dr A Gottschalk FAA, Principal Research Scientist at the Walter and Eliza Hall Institute of Medical Research. The award is made annually and may not be made to a Fellow of the Academy.

The award is restricted to candidates who are normally resident in Australia and for research conducted mainly in Australia.

- iii) *Frederick White Prize for research in the physical, terrestrial and planetary sciences*
 The Frederick White Prize recognises research in the physical sciences (physics, astronomy or chemistry), or the terrestrial and planetary sciences. It honours the contributions to Australian science of the late Sir Frederick White FAA FRS, Chairman of CSIRO. In making the award Council takes into account the actual or potential contributions of the research to community interests, to rural or industrial progress or to the understanding of natural phenomena that have an impact on the lives of people. The award is made not more frequently than once in two years.
- iv) *Le Fèvre Memorial Prize for research in chemistry*
 The Le Fèvre Prize recognises basic research in chemistry. It honours the contributions to physical chemistry of the late Professor RJW Le Fèvre FAA FRS, Professor and Head, School of Chemistry of the University of Sydney. The Prize is awarded annually at a function of the Royal Australian Chemical Institute. The funds for the Prize were donated by the late Dr CG Le Fèvre.
- v) *Moran Medal for research in statistics*
 The Moran Medal recognises research in statistical science. It honours the contributions to science of Professor PAP Moran FAA FRS, Professor of Statistics in the Research School of Social Sciences of the Australian National University. The award is for research carried out mainly in Australia. Council determines the frequency of the award which may not be awarded in two consecutive years. The Moran Fund was established by Professor Moran's friends, colleagues and family.
- vi) *Fenner Medal for research in biology, excluding the biomedical sciences*
 The Fenner Medal recognises research in biology, excluding the biomedical sciences. In any year, Council may limit the award to one or more particular sub-fields of biology, such as the animal, plant or environmental sciences. It honours the contributions to science by Professor FJ Fenner AC CMG MBE FAA FRS Director of the John Curtin School of Medical Research and of the Centre for Resource and Environmental Studies. The award is made annually and is restricted to candidates who are normally resident in Australia and for research conducted mainly in Australia. It may not be awarded to a Fellow of the Academy.
- vii) *Dorothy Hill Award for research in the Earth sciences*
 The Dorothy Hill Award supports research by female researchers in the Earth sciences. It honours the contribution to Australian Earth science of the late Professor Dorothy Hill AC CBE FAA FRS. Professor Hill was Professor of Geology at the University of Queensland, and the first woman President of the Academy. The award may be made annually, for research carried out mainly in Australia. It is restricted to candidates who are normally resident in Australia and who have the potential to further contribute to a better understanding of Australian Earth science. The selection committee consists of at least two Fellows of the Academy, one as chair, the President of the Geological Society of Australia and one other Earth scientist appointed by Council. The funds for the Award were donated by friends, colleagues and students of Professor Dorothy Hill, Brisbane Girls' Grammar School, the University of Queensland, the Geological Society of Australia, and local industry.

viii) *Ruth Stephens Gani Medal for research in human genetics*

The Award recognises research in human genetics and honours the contribution to science in human cytogenetics by the late Ruth Stephens Gani. Its purpose is to recognise distinguished research in human genetics, including clinical, molecular, population and epidemiological genetics and cytogenetics. The award will be made annually and is restricted to candidates who are normally resident in Australia and for research conducted mainly in Australia. The funds for the Award were donated by Ruth's husband, Professor Joseph Gani FAA.

ix) *Anton Hales Medal for research in the Earth sciences*

The Anton Hales Medal recognises distinguished research in the Earth sciences. It honours the contributions to the Earth sciences by the late Professor Anton L Hales FAA FRAS who was the founding director of the Research School of Earth Sciences in the Australian National University. The award may be made annually to candidates who are normally resident in Australia and for research conducted mainly in Australia. The funds for the Award were donated by Ian and Pam McDougall.

x) *Christopher Heyde Medal for research in the mathematical sciences*

The Christopher Heyde Medal recognises research excellence in the mathematical sciences and honours the contributions to mathematics by Professor Christopher Charles Heyde AM DSc Hon DSc(Syd) FAA FASSA. Professor Heyde was the Foundation Dean of the School of Mathematical Sciences at the Australian National University, and Professor Emeritus of Statistics at Columbia University, New York.

The award may be made annually, and is restricted to candidates who are normally resident in Australia. In recognition of Professor Heyde's broad interests in the mathematical sciences the award is offered in one of three fields on a rotating basis – pure mathematics; probability theory, statistical methodology and their applications; and applied, computational and financial mathematics. The funds for the Award were donated by the Heyde family.

9 Academy Medal for contributions to science and technology

The Academy Medal recognises outstanding contributions to science by means other than the conduct of scientific research by a person outside the Fellowship who has, by sustained efforts in the public domain, significantly advanced the cause of science and technology in Australia or who has, or is deemed to have, made a substantial contribution to the Academy. Council may decide to award an Academy medal after the proposal by the President of a candidate. In milestone anniversary years (generally every 25 years), the medal may be awarded to up to three persons. Normally, the medal would be awarded no more frequently than once in three years.

10 Lloyd Rees Lecture

In 1990 Council agreed on the proposal of Sir Alan Walsh FAA, to initiate a series of lectures by distinguished researchers in chemical physics, to recognise the contributions of the late Dr ALG Rees FAA, to science, industry and education.

Since the first Lloyd Rees Lecture in Melbourne in 1991, the lectures have been held at intervals of about two years. They are supported by funds contributed by the family, friends and colleagues of the late Dr Rees.

Council may review the Lectures after the 10th Lecture and if it so wishes apply the funds available to another purpose to assist the advancement of science.

XXIII. MARGARET MIDDLETON FUND FOR ENDANGERED AUSTRALIAN NATIVE VERTEBRATE ANIMALS

(Made 24 September 2009.)

Whereas Dr Margaret Middleton has placed at the disposal of the Academy a capital sum to support research into the conservation biology of vertebrate animals native to Australia, with the objective of better understanding the causes of their decline and the means for their recovery, the following regulations are to be adopted:

- 1** There shall be a Margaret Middleton Fund to be invested as the Council shall from time to time decide so as to provide an annual income and to maintain the real value of the capital fund. The capital may be augmented by bequests from other donors, who wish to support the purposes of the Fund.
- 2** Each year applications shall be invited from biologists for support of research on endangered vertebrate animals native to Australia.
- 3** Council shall appoint a Selection Committee, comprising specialists in the field of wildlife biology and chaired by a Fellow of the Academy, who will adjudicate on the basis of criteria agreed to by Council. These shall include the status of the species, the quality of the proposal and the likely outcome of the research for the better management and survival of the species to be investigated.
- 4** The amount awarded to each recipient, and the number and frequency of awards, shall be determined by Council from time to time with the aim of maximizing the Fund's benefits to its expressed purposes.
- 5** Anytime after fifteen years from the date of this Standing Order Council may review the activity, in the light of conditions and needs then existing, and may vary the activity, bearing in mind the purpose of the Fund as stated in the preamble to this Standing Order.

