



OPERATIONAL RESEARCH SOCIETY MEDAL GUIDELINES

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1. Introduction

This document lays out the guidelines for all the OR Society's medals and awards.

In the main, the Society's awards are administered by the Awards Panel which is formally appointed by the Board. The process for selecting Beale medal winners and new Companions has been allocated to the President Elect / Past President's committee as this should have more experience and knowledge of the OR community to select winners. The processes for these awards are still documented here.

2. Beale Medal

2.1 Introduction

This award is named in memory of E M L Beale. It is designed to give formal recognition to a sustained contribution by one person to Operational Research in the United Kingdom.

The President Elect's / Past President's Committee (PEC/PPC) takes responsibility for this award.

2.2 Eligibility

All persons other than members of the President Elect / Past President's committee (PE/PPC) who, at the time of application, have at least ten years' working experience, based in the United Kingdom, of Operational Research in industry, commerce, government, or in a University teaching or research post, are eligible for consideration. Existing holders of the Beale Medal may be considered, provided that the contribution forming the subject of the entry is in a different area or is substantially differentiated from the basis of the previous award in some other manner.

2.3 Award

The award shall consist of a medal cast in bronze and appropriately inscribed, together with an appropriate citation. No more than one Beale Medal may be awarded in any year.

2.4 Entry

Candidates may nominate themselves, be nominated by a member of the Operational Research Society, or be nominated by the President Elect's / Past President's Committee. In respect of each nominee the required submission is a statement describing the sustained contribution made by the candidate to Operational Research, which must have extended over a period of at least five years. The contribution may be to the philosophy, theory or practice of Operational Research, or to some combination of those areas. The contribution must be such as to have advanced significantly the knowledge, understanding or practice of the subject. The statement must be endorsed by at least six independent sponsors, who shall be members of the Operational Research Society and shall have appended their names and signatures to it.

2.5 Selection

In any year, the award will be made to the individual who, in the opinion of the PE/PPC, has made the most outstanding sustained contribution to Operational Research. The committee may, if necessary, take advice from outside specialists in the field, who are independent of the nominee. The decision remains the responsibility of the committee alone. The committee may decline to make an award if it considers that none of the entries is of sufficient merit.

2.6 Independence of Committee Members

During their term of office, members of the President Elect / Past President's committee may make nominations, but they may NOT sponsor nominees.

2.7 Procedures

The whole process is the responsibility of the President Elect / Past President's committee.

A call for nominations shall be published in February issue of *Inside OR*, distributed to members at the end of January.

The President Elect / Past President will make an announcement at the March / April meeting of General Council, asking for nominations (in the strictest confidence). PE/PPC may use this occasion as an opportunity to meet to discuss nominations and to seek proposers where not already suggested.

PE/PPC may request suggestions from appropriate quarters which might include the committees of Regional Societies and Special Interest Groups. The PEC/PPC will also itself generate the names of possible medalists. The entire above procedure should be on terms of strictest confidentiality. No-one (including possible medalists) outside the committee should be informed of what names were under consideration.

Suggested names should be accompanied by the supporting statement and the sponsors' endorsements. The closing date for receipt of nominations shall be 30th April to allow the PEC/PPC to discuss them at Board/General Council/Committee meetings.

PE/PPC should remove any ineligible nominations and create a shortlist for the award, ensuring that all the necessary paperwork has been submitted. The shortlists should be emailed to Board members to ensure there are no unforeseen 'issues' with the candidates, and for comments which might help the committee prioritise the shortlist. Again, these comments must be given in the strictest confidence.

The committee shall convey its decision and supply a citation to the Secretary & General Manager no later than 10th October.

The Secretary & General Manager shall then inform the candidate(s) of the outcome and arrange for the award to be announced in *Inside OR* and for the certificate(s) to be made. The presentation shall normally take place at the Blakett Lecture.

It is current practice that announcements relating to the Beale Medal shall be published on the Society's website as well as in *Inside OR*.

3. Companionship of Operational Research

3.1 Introduction

The Companionship of Operational Research should be awarded for sustained support and encouragement for the development of Operational Research or for those in influential positions who are in broad sympathy with the subject area. Such contributions might be through public or private activities.

The President Elect's / Past President's Committee (PEC/PPC) takes responsibility for this award.

3.2 Selection/Eligibility

Companions are normally expected to fall within one of the following categories:

- a) Senior managers in the private sector or public sector (including government) who have a record of long term encouragement of OR within their own organisations. This category includes senior figures in consultancy firms with a strong OR component. A positive factor is evidence of personal involvement in OR Society events.
- b) Senior non-OR academics who have a record of long-term encouragement for operational research within their own institutions. These should normally be at or near Vice-Chancellorial level.
- c) Eminent persons in related disciplines. (Statistics, economics, computing, systems are among those which are likely candidates.) A potential candidate might be expected already to have received some recognition as leader in his or her field.
- d) Noted public figures. This excludes active politicians. However ex-politicians (for example, those rehabilitated by lengthy service in the House of Lords) might be considered.
- e) Those who have given outstanding or otherwise inadequately recognised service to the OR Society. A positive factor is involvement in international OR societies. Ex-Presidents are normally excluded until after a further extended period of service to the Society or the subject.
- f) Leaders of Operational Research societies in foreign countries.

Those who hold the Society's Silver/Beale Medal should not *normally* be considered for Companionship of Operational Research.

3.3 Award

Council resolution 16 December 1997 determined that:

- all future Companions shall receive a scroll;
- all existing and future Companions shall receive an annual invitation to the Blackett Lecture and the dinner following;
- existing Companions shall retain the right to free attendance at ORS conferences, but this right is not extended to future Companions; and
- all existing and future Companions shall be offered the option of honorary membership for life under the terms of Article 7 (which does not confer voting rights).

3.4 Procedures

The whole process is the responsibility of the President Elect / Past President's committee.

A call for nominations shall be published in February issue of *Inside OR*, distributed to members at the end of January.

The President Elect / Past President will make an announcement at the March / April meeting of General Council, asking for nominations (in the strictest confidence). PE/PPC may use this occasion as an opportunity to meet to discuss nominations and to seek proposers where not already suggested.

PE/PPC may request suggestions from appropriate quarters which might include the committees of Regional Societies and Special Interest Groups. The PEC/PPC will also itself generate the names of possible Companions. The entire above procedure should be on terms of strictest confidentiality. No-one (including possible Companions) outside the committee should be informed of what names were under consideration.

Suggested names should be accompanied by a brief supporting statement. The closing date for receipt of nominations shall be 30th April to allow the PEC/PPC to discuss them at Board/General Council/Committee meetings.

PE/PPC should remove any ineligible nominations and create a shortlist for the award, ensuring that all the necessary paperwork has been submitted. The shortlists should be emailed to Board members to ensure there are no unforeseen 'issues' with the candidates, and for comments which might help the committee prioritise the shortlist. Again, these comments must be given in the strictest confidence.

The committee shall convey its decision and supply a citation to the Secretary & General Manager no later than 10th October.

The Secretary & General Manager shall then inform the candidate(s) of the outcome, asking if they are willing to accept the award, then arrange for the award to be announced in *Inside OR* and for the certificate(s) to be made. The presentation shall normally take place at the Blakett Lecture.

It is current practice that announcements relating to the Companionships shall be published on the Society's website as well as in *Inside OR*.

4. President's Medal

4.1 Introduction

The President's Medal is awarded for the best account of successful OR practice entered for the competition and presented at the Society's Annual Conference.

4.2 Eligibility

Anyone who has experience of OR practice, and is able to provide verification of the work that they are presenting as a piece of real practice which they have undertaken, may enter. If an author has been awarded a President's Medal on a previous occasion, this does not debar the contribution from consideration.

4.3 Award

The award shall consist of a medal, cast in bronze and suitably inscribed, together with an appropriate citation. If the contribution selected for the award is the product of more than one author, then all authors will receive the appropriate award, but the citation will make clear that this is a shared award.

4.4 Entry

Candidates must, in the first instance, make a submission not exceeding two sides of A4, describing the piece of successful real OR practice which forms the subject of the entry. This is to be accompanied by names and contact details of two referees, one a member of the Operational Research Society, the other a client, who are in a position to testify as to the accuracy of the submission and the fact that the work described was done by the candidate(s).

Members of the Awards Panel may be required to stimulate the submission of papers from time to time. This could be through the Heads of OR Forum, or via the conference Stream Organisers for example. Flyers inviting entries will generally be placed in *Inside OR* in the months of January through to May (if necessary) prior to each conference.

One member of the Panel may be required to act as a point of contact to answer any queries arising.

4.5 Selection

Finalists will be selected by the Awards Panel from among those entering, on the basis of the outline submissions and references. The criteria for assessment shall include:

- The level of demonstrable benefit
- The impact and innovation
- The likely longevity of the solution
- The excellence of the OR process
- The intellectual and novel content of the solution

Priority will be given to recent, successfully implemented work.

The award of the President's Medal will be determined at the annual conference by a judging panel which shall review the submitted material and listen to the presentations of their work that the finalists are required to make at the conference. The medal will be awarded for the entry which in the judgement of the panel makes the best contribution to the practice of Operational Research, taking into account the submitted material, the quality of the work, the quality of the presentation and the opinion of the audience, which shall be sought.

4.6 Conditions

Conditions of the award are that:

- finalists will present their work at the Operational Research Society's annual conference.
- unless inappropriate the author(s) of the winning paper will facilitate the writing up of their work, if necessary with the help of a journalist, with a view to publication in *OR Insight* or *Inside OR* and as part of a booklet promoting the award.

4.7 Procedures

The award will be advertised each year in *Inside OR*. The closing date for the receipt of outline submissions will be 30th June. The Awards Panel will select the finalists by 31st July and will convey their decisions the Secretary & General Manager, who shall notify the candidates and the annual conference committee of the decisions. Finalists will be reminded of the requirement to present their work at the annual conference.

A special judging panel will decide on the award of the medal. This panel shall consist of the (1) President or the President Elect / Immediate Past President; (2) a disinterested senior practitioner; (3) a further disinterested practitioner. The winner will be announced at the annual conference and the award will normally be presented at the Blackett Lecture.

4.8 Current Awards Panel practice

At the September meeting the publicity programme is determined. Publicity is generally published in January to May issues of *Inside OR*.

The deadline for entries is **30th June**.

After 30th June the Secretary & General Manager acknowledges receipt of entries. Members of Awards Panel review entries via email in July to select finalists to go forward for presentation at the annual conference. Secretary & General Manager informs all candidates of decisions. Members of the panel of judges are selected by the President.

At the annual conference, the selected entries are presented. The judging panel decides the winner and announces its decision at the conference dinner.

No later than 10th October a citation is sent to Secretary & General Manager together with the name(s) of the winner(s). Medals are ordered for presentation at the Blackett Lecture.

It is current practice that announcements relating to the President's Medal shall be published on the Society's website as well as in *Inside OR*.

5. Goodeve Medal

5.1 Introduction

This award was named in memory of Sir Charles Goodeve, one of the founders and pioneers of civilian Operational Research after World War 2, and a leader for many years of the OR Club and Society.

The Goodeve Medal is awarded in recognition of the most outstanding contribution to the philosophy, theory or practice of OR published in the Journal of the OR Society (JORS) or OR Insight (ORI), within the relevant year.

5.2 Eligibility

Only contributions to the preceding year's volume of the relevant journals may be considered. Contributions having a member of the Awards Panel as an author are eligible; however that member should withdraw from the judging and subsequent decision. There are no other restrictions on the eligibility of authors. If an author has been awarded a Goodeve Medal on a previous occasion, this does not debar the contribution from consideration.

5.3 Award

The award shall consist of a medal, cast in bronze and suitably engraved, together with an appropriate citation. If the contribution selected for the award is the product of more than one author, then all authors will receive the appropriate award, but the citation will make clear that this is a shared award.

5.4 Entry

No entry is required. The Awards Panel will consider all eligible contributions as a matter of course.

5.5 Selection

The Goodeve Medal will be awarded to the contribution which in the judgement of the Awards Panel makes the most outstanding contribution to the philosophy, theory or practice of Operational Research. If the Awards Panel judges that none of the eligible contributions reaches a sufficiently high standard of excellence to merit the award of a Goodeve Medal, then no award shall be made.

5.6 Procedures

A reviewing sub-panel consisting of two or three members of the full Awards panel will be appointed. It is the responsibility of the reviewing sub-panel to scan all the issues of the relevant journals for the previous year, in order to make a recommendation to the Awards panel. The full Awards panel shall resolve any 'deadlock' in the rankings. The panel shall arrive at its final decision no later than 30th September. The Chair of the Awards Panel shall, no later than 10th October, forward to the Secretary & General Manager the name(s) of the winner(s), if any, and the citation. The Secretary & General Manager shall then inform the winner(s) and arrange for the award to be announced in *Inside OR* and for the medals to be made. The presentation of medals shall normally take place at the Blakett Lecture.

5.7 Current Awards Panel practice

January:

Allocate reviewing tasks to the members of reviewing sub-panel, who are each charged with producing, **by 31st May**, a shortlist of potential winners from the issues they have reviewed. Each issue should be considered by at least two of the reviewers. The relevant editors will also be asked to submit a shortlist of 'worthy' papers.

June virtual meeting (via email):

Initial shortlists from the reviewing sub-panel and the editors' recommendations are combined. If a member of the sub-panel has emerged as a short-listed author, they must be replaced at this stage. The members of the sub-panel review all the shortlisted papers and produce rankings by **31st August**.

The following criteria are used:

- impact on the real world, including OR / IS community (actual impact)
- relevance to the real world (potential impact)
- degree of innovation
- quality of technical content
- quality of writing.

Each reviewing sub-panel member ranks each paper on a 1 – 5 scale under each criterion. The scores are aggregated to obtain an initial ranking, which is then discussed in order to arrive at a final ranking. If the discussions between the sub-panel members cannot be concluded satisfactorily, the debate is opened up to the full Awards panel. In order to help resolve disputes, referees' reports may be obtained for the relevant papers.

September meeting:

The Awards panel reviews the rankings and determines a winner. A citation is prepared and forwarded to the Secretary & General Manager together with the name(s) of the winner(s) by **10th October**. Secretary & General Manager orders medals for presentation at the Blackett Lecture.

It is current practice that announcements relating to the Goodeve Medal shall be published on the Society's website as well as in *Inside OR*.

6. Stafford Beer Medal

6.1 Introduction

This award is named in memory of Stafford Beer, a world leader in the development of systems ideas, especially management cybernetics, and President of the OR Society 1970-71.

The Stafford Beer Medal is awarded in recognition of the most outstanding contribution to the philosophy, theory or practice of Information Systems and / or Knowledge Management published in the European Journal of Information Systems (EJIS) or Knowledge Management Research & Practice (KMRP) within the relevant year.

6.2 Eligibility

Only contributions to the preceding year's volume of the relevant journals may be considered. Contributions having a member of the Awards Panel as an author are eligible; however that member should withdraw from the judging and subsequent decision. There are no other restrictions on the eligibility of authors. If an author has been awarded a Stafford Beer Medal on a previous occasion, this does not debar the contribution from consideration.

6.3 Award

The award shall consist of a medal, cast in bronze and suitably engraved, together with an appropriate citation. If the contribution selected for the award is the product of more than one author, then all authors will receive the appropriate award, but the citation will make clear that this is a shared award.

6.4 Entry

No entry is required. The Awards Panel will consider all eligible contributions as a matter of course.

6.5 Selection

The Stafford Beer Medal will be awarded to the contribution which in the judgement of the Awards Panel makes the most outstanding contribution to the philosophy, theory or practice of Information Systems and / or Knowledge Management. If the Awards Panel judges that none of the eligible contributions reaches a sufficiently high standard of excellence to merit the award of a Stafford Beer Medal, then no award shall be made.

6.6 Procedures

A reviewing sub-panel consisting of two or three members of the full Awards panel will be appointed. It is the responsibility of the reviewing sub-panel to scan all the issues of the relevant journals for the previous year, in order to make a recommendation to the Awards panel. The full Awards panel shall resolve any 'deadlock' in the rankings. The panel shall arrive at its final decision no later than 30th September. The Chair of the Awards Panel shall, no later than 10th October, forward to the Secretary & General Manager the name(s) of the winner(s), if any, and the citation. The Secretary & General Manager shall then inform the winner(s) and arrange for the award to be announced in *Inside OR* and for the medals to be made. The presentation of medals shall normally take place at the Blackett Lecture.

6.7 Current Awards Panel practice

January:

Allocate reviewing tasks to the members of reviewing sub-panel, who are each charged with producing, **by 31st May**, a shortlist of potential winners from the issues they have reviewed. The relevant editors will also be asked to submit a shortlist of 'worthy' papers.

June virtual meeting (via email):

Initial shortlists from the reviewing sub-panel and the editors' recommendations are combined. If a member of the sub-panel has emerged as a short-listed author, they must be replaced at this stage. The members of the sub-panel review all the shortlisted papers and produce rankings by **31st August**.

The following criteria are used:

- impact on the real world, including OR / IS community (actual impact)
- relevance to the real world (potential impact)
- degree of innovation
- quality of technical content
- quality of writing.

Each reviewing sub-panel member ranks each paper on a 1 – 5 scale under each criterion. The scores are aggregated to obtain an initial ranking, which is then discussed in order to arrive at a final ranking. If the discussions between the sub-panel members cannot be concluded satisfactorily, the debate is opened up to the full Awards panel. In order to help resolve disputes, referees' reports may be obtained for the relevant papers.

September meeting:

The Awards panel reviews the rankings and determines a winner. A citation is prepared and forwarded to the Secretary & General Manager together with the name(s) of the winner(s) by **10th October**. Secretary & General Manager orders medals for presentation at the Blakett Lecture.

It is current practice that announcements relating to the Stafford Beer Medal shall be published on the Society's website as well as in *Inside OR*.

7. K.D. Tocher Medal

7.1 Introduction

This award is named in memory of K.D. Tocher, who made a significant contribution to the field of discrete-event simulation by developing the basis on which much modern software is built via his General Simulation Program. He is the author of "The Art of Simulation" (1963), a formative book in the field.

The K.D. Tocher Medal is awarded in recognition of the most outstanding contribution to the philosophy, theory or practice of simulation published in the Journal of Simulation within the relevant two year period.

7.2 Eligibility

Only contributions to the preceding two year's volumes of the relevant journal may be considered. Contributions having a member of the Awards Panel as an author are eligible; however that member should withdraw from the judging and subsequent decision. There are no other restrictions on the eligibility of authors. If an author has been awarded a K.D. Tocher Medal on a previous occasion, this does not debar the contribution from consideration.

7.3 Award

The award shall consist of a medal, cast in bronze and suitably engraved, together with an appropriate citation. If the contribution selected for the award is the product of more than one author, then all authors will receive the appropriate award, but the citation will make clear that this is a shared award.

7.4 Entry

No entry is required. The Awards Panel will consider all eligible contributions as a matter of course.

7.5 Selection

The K.D. Tocher Medal will be awarded to the contribution which in the judgement of the Awards Panel makes the most outstanding contribution to the philosophy, theory or practice of simulation. If the Awards Panel judges that none of the eligible contributions reaches a sufficiently high standard of excellence to merit the award of a K.D. Tocher Medal, then no award shall be made.

7.6 Procedures

A reviewing sub-panel consisting of two or three members of the full Awards panel will be appointed. It is the responsibility of the reviewing sub-panel to scan all the issues of the relevant journals for the previous year, in order to make a recommendation to the Awards panel. The full Awards panel shall resolve any 'deadlock' in the rankings. The panel shall arrive at its final decision no later than 30th September. The Chair of the Awards Panel shall, no later than 10th October, forward to the Secretary & General Manager the name(s) of the winner(s), if any, and the citation. The Secretary & General Manager shall then inform the winner(s) and arrange for the award to be announced in *Inside OR* and for the medals to be made. The presentation of medals shall normally take place at the Blakett Lecture.

7.7 Current Awards Panel practice

January:

Allocate reviewing tasks to the members of reviewing sub-panel, who are each charged with producing, **by 31st May**, a shortlist of potential winners from the issues they have reviewed. The relevant editors will also be asked to submit a shortlist of 'worthy' papers.

June virtual meeting (via email):

Initial shortlists from the reviewing sub-panel and the editors' recommendations are combined. If a member of the sub-panel has emerged as a short-listed author, they must be replaced at this stage. The members of the sub-panel review all the shortlisted papers and produce rankings by **31st August**.

The following criteria are used:

- impact on the real world, including OR / IS community (actual impact)
- relevance to the real world (potential impact)
- degree of innovation
- quality of technical content
- quality of writing.

Each reviewing sub-panel member ranks each paper on a 1 – 5 scale under each criterion. The scores are aggregated to obtain an initial ranking, which is then discussed in order to arrive at a final ranking. If the discussions between the sub-panel members cannot be concluded satisfactorily, the debate is opened up to the full Awards panel. In order to help resolve disputes, referees' reports may be obtained for the relevant papers.

September meeting:

The Awards panel reviews the rankings and determines a winner. A citation is prepared and forwarded to the Secretary & General Manager together with the name(s) of the winner(s) by **10th October**. Secretary & General Manager orders medals for presentation at the Blackett Lecture.

It is current practice that announcements relating to the K.D. Tocher Medal shall be published on the Society's website as well as in *Inside OR*.

8. PhD Prize

8.1 Introduction

The Society has introduced an award for the "Most Distinguished Body of Research leading to the Award of a Doctorate in the field of OR".

8.2 Eligibility

The first award will be made at the OR Society Annual Conference in September 2009. This is an annual award with the qualifying period being the calendar year during which the PhD (DPhil) was defended / approved. The qualifying period for nominations runs from 1st January until 31st December for each specific year. The thesis being submitted for consideration must have been examined at a UK University within the relevant time period. The PhD student is NOT required to be a member of the Society.

8.3 Award

The winner of the award wins a cash prize of £1500. There could also be **up to** two runners up who would receive £500. In addition the successful candidates would be expected to present their work at the annual conference of the OR Society. A significant contribution towards to cost of the conference would be available to all prize winners. The winner would also have their name engraved on the George Paterson shield as a permanent record of their achievement.

The Committee may decline to make an award if it considers that none of the entries is of sufficient merit.

8.4 Entry

There are three elements to this:

1. A nomination from the External Examiner of the thesis. This should be about 750 words in length and illustrate how the work done meets the criteria for this award.
2. An extended abstract written by the student. This should be about 1000 words in length and contain a summary of the work done and how it contributes to the academic development of the subject area. The abstract should be clearly understandable to an informed lay reader. A list of published (including those submitted for publication) works as a result of the research should be included as an Appendix.
3. A report from the supervisor of the student. This should contain a list of people involved in the viva along with five potential advisors who are able to comment authoritatively on the quality of the research.

8.5 Selection

The PhD Prize Selection Committee will meet to produce a shortlist from the entries submitted. The Selection Committee select a winner and up to two runners-up based on refereed reviews of the shortlisted dissertations.

The criteria for the award are as follows:

- How conceptually robust the research is, in terms of all relevant theory from all relevant disciplines
- The level of originality in terms of the synthesis provided, and the new insights it has developed

- How relevant the work is in terms of potential implementation
- Why the methodology adopted during the research is better when compared to alternative approaches to the issues addressed
- The clarity of explanation with appropriate links to all relevant literature
- The extent to which it provides a platform for further related developments

8.6 Conditions

Conditions of the award are that:

- finalists will present their work at the Operational Research Society's annual conference.
- unless inappropriate the author(s) of the winning paper will facilitate the writing up of their work, if necessary with the help of a journalist, with a view to publication in *OR Insight* or *OR Newsletter*.

8.7 Procedures

The award will be advertised each year in *Inside OR*. The closing date for the receipt of submissions will be 31st January. The PhD Prize Selection Committee will meet in February to produce a shortlist from the entries submitted. The supervisor of each selected entry will be required to supply the OR Society with two paper copies of the dissertation for each shortlisted dissertation. Each dissertation is sent to two independent referees, selected for their expertise in the particular field of research. The Selection Committee meet in June to select a winner and up to two runners-up, based on the reports of the referees.

The winners will be notified of the requirement to present their work at the annual conference. The overall winner will be announced at the annual conference and the award will normally be presented at the Blakett Lecture.

8.8 Current Awards Panel practice

The publicity programme is determined at the Award Panel meeting in September. Relevant copy is submitted for inclusion in *OR Inside*. After 31st January, the Secretary & General Manager acknowledges receipt of entries. Members of PhD Prize Selection Committee review entries to select a shortlist in February. Referees are selected to review the full dissertations of the shortlist. The Selection Committee meet in June to review the referees' reports and to select the winners.

Winners are invited to present their work at the Society's Annual Conference in September where the winner is announced.

Citation is sent to Secretary & General Manager. The George Paterson shield (plus individual shield) is engraved for presentation at the Blakett Lecture.

It is current practice that announcements relating to the PhD Prize shall be published on the Society's website as well as in *Inside OR*.

9. Distinguished Scholars Award : National Contributions to IFORS Triennial

Conferences

9.1 Introduction

IFORS Conferences include national contributions from member Societies. It is the practice of the OR Society to support distinguished scholars selected to present National Contributions on behalf of the United Kingdom.

9.2 Eligibility

Persons who have at least ten years' working experience, based in the United Kingdom, of Operational Research in industry, commerce, government, or in a University teaching or research post at the time of application are eligible for consideration. Members of the Awards Panel may apply, but must withdraw from any discussion concerning the award. No person may win more than one Distinguished Scholars Award.

9.3 Value

The OR Society will pay reasonable costs of travel, subsistence, and conference fees up to a maximum of £3000 in total, to be shared between a maximum of three authors (one author per National Contribution), selected to present the papers representing the National Contributions from the UK.

9.4 Entry

Applicants wishing to be considered for this award are required to submit an extended abstract of a paper which they intend to present at the conference.

9.5 Selection

The award will be made to the author(s) of up to three extended abstract(s) which, in the judgement of the Awards Panel, will lead to the paper(s) of the highest merit. The Awards Panel may make no award if none of the abstracts submitted is of sufficient merit. Merit will be assessed on the basis of both a contribution to the development of the subject, and a proper representation of good OR in the UK.

9.6 Conditions

Conditions of the award are that:

- the author(s) of each National Contribution will prepare a paper, based on the submitted abstract, and present it at the Conference
- for each National Contribution the paper will be submitted for publication in the official proceedings of the Conference.

All claims for reimbursement of conference fees, and reasonable travel and subsistence costs incurred in attending the IFORS Triennial conference must be fully substantiated by receipts and accompanied by appropriate documentation to show that the above conditions have been fully complied with.

9.7 Procedures

Upon receipt from IFORS of the invitation to submit National Contributions, the Secretary & General Manager shall place an announcement in *Inside OR* inviting submissions. The closing date for abstracts is to be set so that the Awards Panel can make its choice and inform the successful candidate(s) in time for the nomination to be submitted to the conference organisation.

At the closing date the complete set of extracts will be forwarded to all members of the Awards Panel for consideration and decision. The Awards Panel shall report their decision to the Secretary & General Manager at least two weeks before the deadline set by IFORS. The Secretary and General Manager shall inform the candidate(s) and the conference organisers by the due deadline, and shall arrange for the result to be announced in *Inside OR*.

9.8 Current Awards Panel practice

It is current practice that announcements relating to the National Contributions to IFORS shall be published on the Society's website as well as in *Inside OR*.

10. Donald Hicks Scholarship

10.1 Introduction

This scholarship is instituted in memory of Donald Hicks, OBE, a major contributor to Operational Research and the first Treasurer of the OR Society, who died in January 1986.

It is designed to enable a 'young' OR Society member with at least two years' working experience of Operational Research to attend and present a paper at a EURO K or IFORS Triennial Conference.

10.2 Eligibility

Persons with no more than ten years' experience in OR (including time spent in postgraduate OR education) who have at least two years' working experience based in the United Kingdom, of Operational Research in industry, commerce, government, or in a University teaching or research post at the time of application are eligible for consideration. Members of the Awards Panel may not apply. No person may win more than one Donald Hicks Scholarship.

The use of 'young' as a descriptor in this award implies no restriction in terms of age, but refers solely to the length of experience in the field.

10.3 Value

The scholarship will cover the conference fee, together with reasonable travel and subsistence costs incurred in attending the EURO K or IFORS Triennial Conference in the year of the award, up to a maximum total of £500 in the case of conferences held in Europe and £1000 for other conferences.

10.4 Entry

Candidates may nominate themselves, or may be nominated by a member of the Operational Research Society who is a supervisor, head of OR, head of department or occupies some other responsible role. In respect of each nominee the required submission is: a detailed curriculum vitae, names and contact details of two independent referees who must be members of the Operational Research Society, and an extended abstract of a paper which they intend to present at the conference.

10.5 Selection

The scholarship will only be awarded to a 'young' OR worker of outstanding promise. The successful candidate's abstract should show promise of leading to a paper important to the development of OR. Subject to these requirements the Awards Panel shall make the award to the person who it considers, on the basis of the submitted documentation, to be the most meritorious candidate. At its discretion, the Awards Panel may make no offer if it considers that none of the candidates are of sufficient merit.

10.6 Independence of Committee Members

During their term of office, members of the Awards Panel may not make nominations, nor may they provide references for nominees.

10.7 Conditions

Conditions of the scholarship are that:

- the person to whom the scholarship is awarded has his/her abstract accepted;
- he/she presents a paper, based on the submitted abstract, at the conference;
- he/she submits the paper to one of the Society's refereed journals for publication, unless the paper is to appear in the published proceedings of the conference

All claims for reimbursement of conference fees, and reasonable travel and subsistence costs incurred in attending the IFORS or EURO conference must be fully substantiated by receipts and accompanied by appropriate documentation to show that the above conditions have been fully complied with.

10.8 Procedures

Upon receipt from EURO or IFORS of the call for papers for the conference, the Secretary & General Manager shall arrange for an announcement to be published in *Inside OR*, inviting nominations by a date chosen so as to enable the Awards Panel to adjudicate on the applications and for the successful candidate to be informed by the date on which the Conference Programme Committee announces acceptance of abstracts. The Secretary & General Manager shall acknowledge receipt of all nominations. At the closing date the set of completed nominations will be forwarded to all members of the Awards Panel for consideration and decision. The chair of the Awards Panel shall report the name of the successful nominee to the Secretary & General Manager, who shall inform the candidate and arrange for an appropriate announcement to be placed in OR Newsletter.

10.9 Current Awards Panel practice

It is current practice that announcements relating to the Donald Hicks Scholarships shall be published on the Society's website as well as in *Inside OR*.

11. May Hicks Award

11.1 Introduction

The OR Society funds its annual awards for student projects from a generous bequest from the estate of Mrs May Hicks, wife of Donald Hicks, OBE, a major contributor to Operational Research and the first treasurer of The OR Society.

11.2 Eligibility

Entries are invited from any eligible courses. Masters courses in OR or Management Sciences are automatically eligible. Other courses should, before contemplating entry, seek confirmation of their eligibility from the Society.

11.3 Value

The prizes for the competition will be: 1st prize £1000 plus up to two runners up of £250 each.

11.4 Entry

Entries should be made by the Course Director or a faculty member acting on his/her behalf (and not by students direct). One entry per 15 students on the course, or part thereof, is allowed.

Projects entered should be OR projects carried out for a client organisation (and not, for example, desk research carried out within the university). Joint projects are allowed.

The initial entry should consist of the following:

- a summary of not more than two pages of the project and its effects;
- endorsement of the project's effectiveness by the organisation which hosted the project; and
- an endorsement by an independent academic (e.g. the external examiner) of the project's quality.

Anonymised (as to the clients) entries will be accepted. In such cases, the endorsement should be submitted as a private communication to the chair of the awards committee.

11.5 Selection

The judging panel will shortlist the entries. Project reports may be requested for shortlisted entries, so a final decision can be reached on the winners. The panel may, at their discretion, make site visits or invite students to present their work.

11.6 Current Awards Panel Practice

Winners will be encouraged to present their work at an OR Society conference and to publish the work in one of the Society's publications. The OR Society may also publicise the winning entries through its publications and the website.

Entries should be submitted electronically to gavin.blackett@thorsociety.com to arrive **no later than 31st January**.

12. EURO Summer / Winter Institute Scholarships

12.1 Introduction

These scholarships are designed to enable 'young' operational researchers (normally up to two, but the number is subject to stipulations imposed by the particular Institute) to attend and present a paper to the EURO Summer / Winter Institute of the relevant year.

12.2 Eligibility

Persons with no more than ten years' experience in OR (including time spent in postgraduate OR education) who have at least two years' working experience based in the United Kingdom, of Operational Research in industry, commerce, government, or in a University teaching or research post at the time of application are eligible for consideration. No person may be awarded more than one EURO Summer / Winter Institute Scholarship.

The use of 'young' as a descriptor in this award implies no restriction in terms of age, but refers solely to the length of experience in the field.

12.3 Value

The scholarship will cover reasonable travel costs up to a maximum of £250 incurred in attending the EURO Summer / Winter Institute.

(NB. EURO and the host Society for the Institute meet all costs within the host country.)

12.4 Entry

Candidates may nominate themselves, or may be nominated by a member of the Operational Research Society who is a supervisor, head of OR, head of department or occupies some other responsible role. In respect of each nominee the required submission is a detailed curriculum vitae, names and contact details of two independent referees who must be members of the Operational Research Society, and a previously unpublished paper written by the candidate and which they intend to present at the Institute.

12.5 Selection

Scholarships will only be awarded to 'young' OR workers of considerable promise within the topic of the Institute. The successful candidates' papers should be important to the development of OR within the topic area. The Awards Panel may, if necessary, take advice from an outside specialist in the field, who is independent of all the candidates. The decision remains the responsibility of the committee alone. Subject to the above, the Awards Panel shall award scholarships to the people who are the most meritorious candidates within the topic of the Institute. At its discretion, the Awards Panel may decide not to put forward candidates for all, or any, of the available places if insufficient nominees are of appropriate merit.

12.6 Independence of Committee Members

During their term of office, members of the Awards Panel may not make nominations for a scholarship, nor may they provide references for nominees.

12.7 Conditions

Conditions of the award are that:

- the nomination shall be accepted by the Academic Committee of the Institute
- the recipients presents the submitted paper at the Institute
- the recipient takes full part in the Institute, including the preparation of papers for the European Journal of Operational Research

All claims for reimbursement of reasonable travel costs incurred in attending the EURO Summer / Winter Institute must be fully substantiated by receipts and accompanied by appropriate documentation to show that the above conditions have been fully complied with.

12.8 Procedures

Upon receipt from EURO of the call for papers for the Institute, the Secretary & General Manager shall arrange for an announcement to be published in *Inside OR*, inviting nominations by a date chosen so as to enable the Awards Panel to adjudicate on the applications, for candidate(s) to be informed of the Awards Panel's recommendations and for the successful candidatures to be submitted to the Academic Committee of the Institute by the specified deadline.

12.9 Current Awards Panel practice

It is current practice that announcements relating to the EURO Summer / Winter Institutes shall be published on the Society's website as well as in *Inside OR*.

13. Simpson Scholarships

13.1 Introduction

These awards were instituted in memory of Professor Michael George Simpson, President of the OR Society 1978-79 and Head of the Department of OR at Lancaster University, who died in 1983.

They are designed to enable one or two outstanding 'young' operational researchers to attend the OR Society Young OR Conference, and to encourage them to present papers on their work in OR.

13.2 Eligibility

Persons with no more than ten years' experience in OR (including time spent in postgraduate OR education) who have at least two years' working experience based in the United Kingdom, of Operational Research in industry, commerce, government, or in a University teaching or research post at the time of application are eligible for consideration. In the case of multiple authorship of a submitted paper, all of the authors must meet these conditions, although only one of the authors will receive the award. Members of the Awards Panel may not apply. No person may be awarded more than one Simpson Scholarship.

The use of 'young' as a descriptor in this award implies no restriction in terms of age, but refers solely to the length of experience in the field.

13.3 Value

The award will cover the conference fee, and reasonable travel and subsistence costs incurred in attending the Young OR conference in the year of the award for one of the authors of each selected paper.

13.4 Entry

Candidates may nominate themselves, or may be nominated by a member of the Operational Research Society who is a supervisor, head of OR, head of department or occupies some other responsible role. The submission is to comprise an extended abstract of a paper which the author(s) intend to present at the conference, names and contact details of two independent referees, one a member of the Operational Research Society, the other a client unless inappropriate, who are in a position to testify as to the accuracy of the submission and the fact that the work described was done by the candidate(s). In respect of each candidate a detailed curriculum vitae is required, and in the case of multiple authorship of a submitted paper, the submission must also include a statement detailing the contribution that each author has made to the work described.

13.5 Selection

Scholarships may be awarded in respect of up to two submissions which in the judgement of the Awards Panel describe work of the greatest merit. In the case of multiple authorship, the committee may at its discretion award the scholarship to the author who, in the committee's view, is most deserving of it based on the contribution made to the work and the candidate's record of achievement in operational research; or if it considers that all authors are equally deserving it may award an open scholarship and allow the authors to decide which of them shall take it up.

13.6 Independence of Committee Members

During their term of office, members of the Awards Panel may not make nominations, nor may they provide references for nominees.

13.7 Conditions

Conditions of the scholarship are that:

- the author(s) will present a paper, based on the submitted abstract, at the conference
- the author(s) will either submit the paper to one of the Society's refereed journals for publication, or will facilitate the writing up, if necessary with the help of a journalist, of their work with a view to publication in *OR Insight* or *InsideOR*.

All claims for reimbursement of conference fees, and reasonable travel and subsistence costs incurred in attending the Young OR conference must be fully substantiated by receipts and accompanied by appropriate documentation to show that the above conditions have been fully complied with.

13.8 Procedures

At the time of the Call for Papers for the Young OR conference, the Secretary & General Manager shall arrange for an announcement to be published in *Inside OR*, inviting nominations by a date chosen so as to enable the Awards Panel to adjudicate on the applications, for candidate(s) to be informed of the Awards Panel's recommendations and for the successful candidatures to be notified to the conference committee in time for inclusion in the conference invitation programme. The Secretary & General Manager shall also arrange for the award of the scholarship(s) to be announced in *InsideOR*.

13.9 Current Awards Panel practice

It is current practice that announcements relating to the Simpson Scholarships shall be published on the Society's website as well as in *Inside OR*.

14. Elsie Cropper Grants (Books for Sandwich Students)

14.1 Introduction

These grants were instituted in memory of Elsie May Cropper, a senior member of the Operational Research Executive (ORE) of British Coal, who died in service in 1989, aged 44 years. Elsie had always been a strong supporter of sandwich students who worked for a year in industry as part of their degree courses.

14.2 Eligibility

Students who are studying Operational Research at undergraduate level at a British University, and who are engaged upon a 12 month industrial placement in the field of OR in the UK are eligible.

14.3 Value

The value of each grant shall be £100.00. The number of grants in any year shall normally be limited to twelve.

14.4 Entry

Students eligible for the award and wishing to apply should make a submission, which is to include the name of the university attended, the title of the degree course being undertaken, the OR-related subjects that have been and will be studied, a brief description (maximum 250 words) of the work being undertaken during the industrial placement, and a letter from the employer confirming the applicant's employment status and university.

14.5 Selection

A grant may be made to any applicant who, in the judgement of the Awards Panel, meets the criteria for eligibility. In the event of there being more applications than there are grants available, the committee may select candidates on the basis of the most deserving, first come first served, or such other equitable criteria as it may decide to apply. At its discretion, the Awards Panel may make no offer if it considers that none of the candidates are eligible.

14.6 Condition

It is a condition of the grant that the money awarded be expended on the purchase of books or other relevant materials such as CD ROMs or software required by the recipient for the final year of their studies.

14.7 Application

Entries should be submitted by email unless infeasible. Attachments should take the form of Word (doc) files. Please send entries to gavin.blackett@theorsociety.com, to arrive no later than 30th April.

APPENDICES

Appendix A: Document Control

Version History

<i>Version</i>	<i>Date</i>	<i>Comments</i>
1.0	February 2007	First draft prepared by Gavin Blackett
1.1	May 2007	Revisions following J. Ranyard's comments
1.2	December 2008	Intro of PhD prize, changes to Beale/Companion and President's Medal
1.3	March 2009	Revision of Beale / Companion following Board meeting (23/2/09). Minor corrections elsewhere.

Document Distribution

<i>Name</i>	<i>Location</i>	<i>Responsibility</i>	<i>Action / Information</i>
Awards Panel	ORS	Awards	

Document Reviewed By

<i>Name</i>	<i>Location</i>	<i>Responsibility</i>
J. Ranyard	Lancaster Univ.	Chair of Awards Panel
ORS Board	ORS	Formal sign-off

Source File Location

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