



THE SCIENCE FOUNDATION FOR PHYSICS WITHIN THE UNIVERSITY OF SYDNEY

2001 Professor Harry Messel International Science School

1 – 14 July 2001

Impact Science

SCHOLARSHIP INFORMATION

If you are interested in science and the impact it has had and will have on society, then the 2001 Professor Harry Messel International Science School will be of interest to you. This Science School gathers together 140 top science students from nine countries (Australia, China, Japan, Malaysia, New Zealand, Singapore, Thailand, United Kingdom and United States of America) for two weeks of lectures, laboratory tours and experiments, and social events.

The lecturers have been selected on their international reputations and their ability to communicate and will be discussing the impact their research area has had, or is likely to have, on our society. The topics covered by the 2001 International Science School are: Polymers; Astrophysics; Computers and Artificial Intelligence; Communications; Nanotechnology and Quantum Computers; and Genetics. Additional lectures include the innovation process and the future of science.

All students are competitively selected at State level, and attendance is by Scholarship only. The Scholarships are valued at approximately \$1,700 and cover return travel within Australia, food and accommodation at St John's College for the duration of the School, all events and activities organised by the Science Foundation for Physics, and a copy of the book of the lectures.

How to apply: Read the attached selection criteria. If you are eligible, fill in the relevant sections of the application form and write an essay (see below). After your parent or guardian has signed the form please pass it to your head science teacher (or equivalent) to fill in the rest of the form. **The form must be sent to the address relevant to your State, as given on page 3.**

ESSAY Each student applying for the Scholarship should attach a short typed statement (NO more than 250 words) outlining their reasons for applying to attend the 2001 Professor Harry Messel International Science School.

DUE DATE Forms arriving later than Thursday 12 April 2001 will not be considered.

Completed applications should be posted to the address given on **page 3** in your State so it will arrive by **Thursday 12 April 2001 at the latest**. *Do not* send application forms to the Science Foundation for Physics.

For further information regarding the 2001 International Science School please contact:-

Dr Jenny Nicholls, Executive Officer, The Science Foundation for Physics; Phone: 02 9351 3622; Fax: 02 9351 7726; email: j.nicholls@physics.usyd.edu.au. Web <http://www.physics.usyd.edu.au/foundation.html>.

CONDITIONS OF ENTRY

1. Scholarship winners must agree to abide by any rules and regulations regarding conduct and behaviour while travelling to and from the Science School and during the Science School program. 2. Scholarship winners who fail to comply with condition number 1 will have their scholarship cancelled. 3. Scholarship winners may be required to attend specific official functions prior to their departure or during the Science School. 4. Scholarship winners will consent to their name and photographs being used in publicity organised for the program or for the Science Foundation. 5. Reserves will be selected in case any student on the initial list is unable to accept the scholarship offered. Applicants selected as reserves will be required to adhere to all conditions. 6. The judges decision in selection of the Scholarship winners will be final. No correspondence will be entered into regarding the choice of Scholarship winners.

SELECTION CRITERIA

The following selection criteria will apply for 2001:

1. Numbers of students

The number of students who will be offered scholarships in each of the states will be:

NSW	VIC	QLD	SA	WA	ACT	TAS	NT
62	10	5	5	5	2	2	2

2. School year level of students

For 2001, students from years 11 and 12 will be considered for scholarships. It is generally expected that applicants will be 15 or older in July 2001, but 14 years olds may be offered scholarships under exceptional circumstances.

3. Selection criteria

The following selection criteria should be used as a guide. (This may vary from State to State depending on State examination requirements.)

- a) Students should achieve the highest award in the top-level syllabi of English, Science and Mathematics in their year 10 exams (e.g. A grade, or > 80% or equivalent).
- b) Applicants should be assessed by their Principals as one of the top science students in their year group at school, and preference should be given to students whose vocational interest is a career in the sciences.
- c) Students should be studying at least 60% Science* and Mathematics subjects in year 11 or 12. If necessary, preference could be given to students studying at least one of Physics and Chemistry.
- d) Students must have supporting comments from their Head of Science Department and/or School Principal.
- e) Students should be clear communicators and be able to represent their school and State at the International Science School.

4. Internet Access

Internet access or lack thereof will not influence the choice of the selection committee.

*Psychology, geography, geology, geophysics, environmental science and computer science are all regarded as science subjects.

For further information please contact Dr Jenny Nicholls, The Science Foundation for Physics. Phone (02) 9351 3622, Fax (02) 9351 7726, email: j.nicholls@physics.usyd.edu.au.

POST APPLICATIONS TO THE ADDRESS IN YOUR STATE GIVEN BELOW TO ARRIVE NO LATER THAN
THURSDAY 12 APRIL 2001:

New South Wales

Mr Jim Scott
Chief Education Officer
NSW Department of Education & Training
Locked Bag 3
RYDE NSW 2112

Phone: (02) 9886 7626
Fax: (02) 9886 7654

ACT

Ms Janet Elliott
Vice-President (Competitions)
Science Educators' Association of ACT
34 Wakelin Circuit
WESTON ACT 2611

Phone: (02) 6205 6011
Fax: (02) 6205 6010

Victoria

Mr Neil Lennie
Chief Executive
Science Teachers' Association of Victoria
PO Box 190
RICHMOND VIC 3121

Phone: (03) 9428 2633
Fax: (03) 9428 4876

South Australia

Mr Mike Roach
President
SASTA Office
1st Floor
211 Flinders Street
ADELAIDE SA 5000

Phone: (08) 8224 0871
Fax: (08) 8224 0805

Western Australia

Ms Jannine Webb
Chairperson, Student Activities
C/- Science Teachers' Association of WA
30 Hasler Road
OSBORNE PARK WA 6916

Phone: (08) 9244 1987
Fax: (08) 9244 2601

Northern Territory

Ms Hilary Fowler
ISS2001 Competition Convenor
Science Teachers' Association of NT
PO Box 1168
NIGHTCLIFF NT 0814

Phone: (08) 8944 8496
Fax: (08) 8947 1010

Queensland

(Private & Confidential)
Mr Paul Parkinson
Queensland Sciencentre
Box 426
ALBERT STREET QLD 4002

Phone: (07) 3210 0341
Fax: (07) 3220 0113

Tasmania

Ms Perviz Marker
ISS2001 Co-ordinator
Science Teachers' Association of Tasmania
Hellyer College
PO Box 668
BURNIE TAS 7320

Phone: (08) 6433 3611
Fax: (08) 6433 3718

IMPORTANT NOTE:

DO NOT send application form to the Science Foundation for Physics. Application forms
MUST be sent to the address in your State as given above.

