

CHEMICAL EDUCATION ACTIVITIES 2006

RACI Chemical Analysis Competition

Available to senior secondary students (11 & 12)
Teams of 3 students perform accurate and precise titrations to obtain least group error
There are 3 phases : school, state and national

To enter schools should contact the competition coordinator, Ian McMahon to indicate the number of teams for entry. A tax invoice / entry form will be sent to the involved schools.

This contact should be made during term 1. Closing date is the first week term 2. Schools will receive samples shortly after.

School results due end of week 9 term 2.

State and national phases in term 3 &4 (TBA)

Costs per school are **\$7 for first team** and **\$5 for subsequent teams**.

Contact Ian McMahon Ph : 83525811
Fax : 82342467

email : ian.mcmahon@tsc.sa.edu.au

Some information available on web-site:

www.raci.org.au/sa and follow links to "chemical education"

Excellent performing teams gain plaques for their schools and individual certificates. All other students who participate at national level receive a gold or silver medallion.

RACI Crystal Growing Competition

This RACI sponsored competition is incorporated as a category within the Oliphant Science Awards. Open to all age categories (R-12).

Participants grow crystals from **potash alum** for some weeks and a logbook must be kept. Crystals must be submitted with logbook and final report and be judged for cash prizes and certificates.

Conditions for entry are indicated on the page headed "Crystals" in the OSA online booklet as well as at www.raci.org.au/sa. (including costs)

Queries regarding growing crystals may be directed to Ian McMahon
email : ian.mcmahon@tsc.sa.edu.au

RACI Publications (ChemMatters, Chemistry Review)
PO Box 749 Blackwood SA 5051

RACI Chemical Murder Mystery

Available to year 10 students (a small number of students per school). Students from different schools form teams which gain evidence from different kinds of forensic procedures to determine who killed the "professor".

Held at Flinders University during the last week of school term 2.

Schools may enter after receiving official mailout.

While the event is well sponsored and country students are subsidised to attend, costs per student are \$5 to cover meal costs.

D. R. Stranks Memorial Student Lecture

This lecture is aimed at senior secondary students. A lecture – demonstration delivered by a noted scientist in a chemistry related field. Topic usually related to year 12 curriculum.

Generally held in August / September at a University venue. Costs per student are \$2. Schools will be contacted by mail regarding entry.

RACI Merit Certificates

Certificates and an opportunity to become a student member of the RACI are awarded to students who gained 20 / 20 in SSABSA Chemistry the previous year.

FOR TEACHERS

Professional Development Workshops

Workshops related to the year 12 curriculum will continue following the successful 2001-04 series.

The nature of each workshop, costs and venue will be promoted by mailout on each occasion. For information contact Bob Morton on email : rjmorton@adelaide.on.net

Centenary of Federation Teaching Awards in Chemistry

Annual award for recognition of teaching excellence in Chemistry in the primary & secondary sector. Award is Certificate and \$500. 4 copies of application to RACI Branch by 30 April (*See website*) <http://www.raci.org.au/national/awards/centenaryteach>



