

3 December 2001

C E M M S A



THE UNIVERSITY OF ADELAIDE

CEMMSA NEWS



NEW EQUIPMENT

CEMMSA is excited to announce the purchase of three new items that will enhance the centre's capabilities.

Firstly, the **Cameca SX51 Microprobe** software upgrade. The software was installed two weeks ago and has proved to be a beneficial purchase for all users of the Microprobe.

CEMMSA will also house a new **EBSP, Electron Backscatter Pattern** generator. This unit will be an added feature to the Philips XL30 FESEM and includes comprehensive mapping features for geological and metal samples. Features include imaging and analysis of orientation maps, legends, histograms, pole figures and inverse pole figures.

Another item on order is the **Cressington High Resolution Sputter Coater**. The traditional coating method of carbon/gold will be replaced by a thin layer of chromium for a high resolution result. Gold and Platinum/Palladium coating will also be available.

Free trial of EM PACT from LEICA

This high pressure freezer is located in CEMMSA's preparation laboratory and is available for use until February 2002. Biological samples can be placed into two types of specimen holders.

1. Copper tubes (350µm diameter, 16mm length)
2. Flat Discs (1.2mm diameter, 200µm deep)

Samples recommended to try are suspensions, botanical samples, brain/nervous tissue and cell cultures.

Cryo-sectioning and freeze substitution can also be done in CEMMSA. For further details for bookings and techniques contact Lyn Waterhouse on 8303 4074 or lyn.waterhouse@adelaide.edu.au

FEE INCREASES FOR 2002

Please note the new fees for CEMMSA as of 1 February 2002. Grant applicants prior to this increase will be charged at the old rate. Notification is required.

New rates 2002 Based on instrument hire per hour

Student of Adelaide University	\$8.00
Student of Other Institution *	\$17.00
Staff of Adelaide University	\$33.00
Staff of Other Institution *	\$50.00
Corporate *	\$180.00
Corporate with Operator *	\$220.00
* will incur GST	

Special points of interest:

- Don't forget the 17th Australian Conference on Electron Microscopy from 4-8 February 2002 at the Adelaide Convention Centre. Get in before Christmas to secure your place in any of the nine workshops. Numbers are filling fast.

We would love to see you all supporting the conference and expressing the expertise of your EM in this state.

Visit www.adelaide.edu.au/CEMMSA/acem17