

Pick 'N' Place

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Longest Serving Member RetiresOur Sincere Thanks

Since the beginnings of this Association as the Australian SMT Association in July 1988, one of the founding members **Edward Hale** has served on the Executive Committee. Ed's drive to provide quality technical information to help the electronics industry adopt SMT, combined with the contacts of Rick Short (Indium Corporation US) and assistance from Wayne Needs (then with Alcatel) and Dianne Hunt bought about the very first SMT Symposia in Melbourne and Sydney. These symposia were combined with small but well received exhibitions in each venue and the success of these programs led to the formation of the ASMTA now the SMCBA.

Ed has been the SMCBA Vice President (or as it was noted at the time in the Pick 'N' Place newsletter – President of Vice!), Technical Committee Chair, Conference Chair and the SMCBA's representative on the IPC's Surface Mount Council. Ed has been responsible for bringing experts such as Jim Baker, Happy Holden, Chuck Bauer, Steve Vandervoort, Tucker Garrison, Allen Chia and Rick Short (to name just a few) to Australia.

Ed has presented at several SMCBA Technical Meetings in Australia and New Zealand, was instrumental in setting up the Australasian SMT Academy at which he was also one of the presenters. He has presented at SMTA International and the Pan Pacific Microelectronics Symposium also serving on the Technical Program Committee for this Symposium. He forged the SMCBA's international affiliation agreement with the SMTA and regularly attended SMTA meetings in the US on behalf of the SMCBA at his own expense.

Many will not be aware of Ed's involvement on behalf of the industry in the International Technology Agreement negotiations. As a result of Ed's efforts, the Department of Foreign Affairs and Trade presented an additional 15 items to the WTO meeting in Geneva for consideration for inclusion in the ITA2 Tariffs and Trade Agreement.

In recent times Ed has not been in the best of health and he and wife Kay closed their business (Advanced Material Technologies) earlier this year. Ed resigned his position on the Committee at the end of April and his main concern was that the SMCBA is able to find someone to fill his role on the Executive Committee.

In recognition of Ed's service to the electronics industry in Australia and New Zealand and in particular to the SMCBA, the Executive Committee unanimously agreed to rename the SMCBA's Most Innovative Surface Mount Product Award (which is presented annually by the SMCBA at Austronics - formerly Elenex) as the *Edward Hale Surface Mount Product Award*. Without his efforts the industry would not have the SMCBA today providing the range of services and benefits it now offers.

On behalf of all Members of the Association we wish Ed, Kay, Cheryl and Natalie the very best.

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International Affiliate **SMTA** Member **IPC** & Licensed Distributor Administrator Australasian Chapter



IPC Approved Training and Certification Centre

IPC Standards: The following standards have been recently published by the IPC and are available through the SMCBA:

J-STD-006A Requirements for Electronic Grade Solder Alloys and Fluxed and Non-Fluxed Solid Solders for Electronic Soldering Applications

IPC-TR-486 Report on Round Robin Study to Correlate Interconnect Stress Test (IST) with Thermal Stress/Microsectioning Evaluations for Detecting the Presence of Inner-layer Separations

IPC-2315 Design Guide for High Density Interconnects and Microvias

IPC-2511A Generic Requirements for Implementation of Product Manufacturing Description Data and Transfer Methodology

IPC-2512A Sectional Requirements for Implementation of Administrative Methods for Manufacturing Data Description

IPC-2514A Sectional Requirements for Implementation of Printed Board Manufacturing Data Description

IPC-2515A Sectional Requirements for Implementation of Bare Board Product Electrical Testing Data Description

IPC-2516A Sectional Requirements for Implementation of Assembled Board Product Manufacturing Data Description

IPC-2517A Sectional Requirements for Implementation of Assembly In-Circuit Testing Data Description

IPC-2518A Sectional Requirements for Implementation of Part List Product Data Description

IPC-2531 Standard Recipe File Format Specification

IPC-2615 Printed Board Dimensions and Tolerances

IPC-6012A Performance Specification for Rigid Printed Boards

IPC-6015 Performance Specification for Organic Multichip Module Structures (MCM-L)

IPC-7530 Guidelines for Temperature Profiling for Mass Soldering (Wave and Reflow) Processes

IPC-9252 Guidelines and Requirements for Electrical Testing of Unpopulated Printed Boards

New Video – Training Program – VT-54C ESD Training and Operator Certification – Produced in cooperation with the ESD Association

IPC Training Videos – Previews now available on CD – call the SMCBA for details.

For price and availability on IPC standards and other publications contact Andrew Pollock at the SMCBA on Tel: (03) 9568 0599 or email pollocka@smcba.asn.au

AUSTRONICS 2001

Austronics, formerly known as Elenex Australia, is held in conjunction with the Surface Mount conference each year. This year the exhibition is in Hall 1 at the Sydney Exhibition Centre, Darling Harbour from September 18 to 20.

Details on Austronics can be found at:

<http://www.ausexhibit.com/austronics>

Interested in exhibiting at Austronics?

SMCBA members are offered a \$20 per sqm discount for space only or shell scheme stands at Austronics – for details call John Psalidas on phone 03 9261 4521 (61 3 9261 4521).

CONFERENCE IN FREMANTLE

The SMCBA has been invited to present a paper on industry standards, training and certification at a conference being conducted by the Challenger TAFE in Fremantle WA on June 21, 2001.

Other topics to be covered include BGA Design, Assembly and Rework

For details on the conference please call Terry McNeil at Challenger TAFE on phone: 08 9239 8118

IPC Approved Training and Certification Centre Established by the SMCBA

The Surface Mount and Circuit Board Association (SMCBA) has won Government and Industry support for the establishment of an IPC Certification Centre in Australia.

The SMCBA received a grant from the Department of Communications, Information Technology and the Arts under the Test-IT Program. The grant has assisted the SMCBA to acquire Licences from the IPC, Association Connecting Electronics Industries in the United States, for the conduct of Registered Instructor Programs. Train the Trainer programs for the J-STD-001 "Requirements for Soldered Electrical and Electronic Assemblies", IPC-A-610 "Acceptability of Electronic Assemblies", and the IPC-7711 "Rework of Electronic Assemblies" & IPC-7721 "Repair and Modification of Printed Boards and Electronic Assemblies" can now be offered by the SMCBA throughout Australia and New Zealand. The SMCBA expects to add another Licence to the list in the near future for the PCB manufacturers. This Licence will be for the IPC-A-600 standard "Acceptability of Printed Boards".

The Association is delighted to have won Government assistance and industry support for the establishment of a Certification Centre. The SMCBA Certification Centre is the only licenced centre in Australia and will be a valuable resource for the electronics industry in this region. What this immediately means to the industry is that it no longer needs to send people to the USA for this training or to use overseas Instructors to conduct Registered Instructor courses in Australia and New Zealand. Another benefit is that people currently holding Instructor Certificates can be re-certified locally through the SMCBA.

Two Master Instructors have been approved by the IPC for instructor training and they will conduct programs for the SMCBA throughout Australia and New Zealand.

The Australian and New Zealand electronics industry has almost universally embraced IPC standards for design, fabrication, assembly and test of electronics products. The establishment of a Certification Centre in Australia is going to provide important infrastructure in this region that will support the electronics industry to educate its people about internationally accepted process and reliability standards and tests prescribed in IPC standards.

These standards based training programs have been operating successfully in the United States, Europe and the UK for some time now and have resulted in a better educated workforce, improved work practices, more effective implementation of the standards and productivity gains for industry. We can expect similar benefits to flow on to the industry here as companies embrace these programs.

The certification centre licences expand the programs and services that the SMCBA has been successfully providing to the electronics industry since 1988. The Association already holds an IPC Licence to conduct the IPC Designers Certification program. Some 55 designers in Australia and New Zealand have to date successfully completed programs run by the SMCBA and they have joined ranks with the other 1044 Certified Interconnect Designers worldwide. In addition to these certification centre licences the SMCBA is an IPC licenced distributor and has been supplying the industry with standards and training materials for 10 years.

For further details on the instructor courses contact the SMCBA on 03 9568 0599. These courses will be conducted around Australian and in New Zealand.

Surface Mount 2001

Preliminary Program

The following presentations have been confirmed for
Surface Mount 2001
Sydney – September 18-20, 2001
at the **Powerhouse Museum, Darling Harbour**

Tuesday September 18:

8.30 am to 5.00 pm **Soldering Reliability Issues** – Dr Laura Turbini

Venue: Coles Theatre, Powerhouse Museum

8.30 am to 5.00 pm **Design for Manufacturing** – Vern Solberg

Venue: Target Theatre, Powerhouse Museum

5.00 to 6.00 pm – **Industry Forum on Components** – new developments, trends and supply

7.00 pm – **Conference Dinner** – aboard the South Steyne, Harbourside Jetty, Darling Harbour

Wednesday September 19:

8.30 am to 5.00 pm **Applying SPC to the SMT Line** – Bill Messina

Venue: Coles Theatre, Powerhouse Museum

8.30 am to 5.00 pm **Practical Aspects of Lead-Free Rework and Repair**
– Terry Clitheroe

Venue: Hall 1 Seminar Room, Lower Level Darling Harbour Exhibition Centre

8.30 am to 5.00 pm **High Speed PCB & System Design**
– Lee Ritchey (Day 1 of a 2 day workshop)

Venue: Target Theatre, Powerhouse Museum

Thursday September 20:

8.00 am - SMCBA Annual General Meeting – Breakfast meeting

Technical Presentations on new developments. Venue: Coles Theatre

Further details to follow.

9.00 am to 5.00 pm **High Speed PCB & System Design**
– Lee Ritchey (Day 2 of a 2 day workshop)

Venue: Target Theatre, Powerhouse Museum

Interested in Sponsorship Opportunities? Call 03 9568 0599 to find out more

**IF YOU NEED ACCOMMODATION FOR SURFACE MOUNT 2001 YOU CAN
FIND THIS ON THE 'CONFERENCE' PAGE AT www.smcba.asn.au**

Position Vacant
Standard Communications
6 Frank St. Gladesville

A position has become available for a SMT Operator at our Gladesville plant. Standard Communications is an O.E.M. company that does not do sub-contract work and works one 8 hour shift per day. Overtime is generally available if requested. We pay above award wages after the satisfactory completion of a three month probationary period.

Previous experience in set up, operation and maintenance of screen printers, conveyors, and pick and place robots and reflow ovens is required. Must be capable of working without supervision and must have knowledge of SMD components, footprints and packaging including computer literacy. Experience on any of the following is desirable but not essential:

1. Yamaha 20/21 and Hyper series
2. Tenryu FV7100
3. Samsung CP40/CP45

Contact Darby Jarvis at
djarvis@gme.net.au
02 9844 6666 ext 593 ph.
02 9844 6683 fax.

Send it out with Pick 'N' Place:

SMCBA Corporate members are able to send out information with Pick 'N' Place – limit one page. Additional material can be mailed out with the SMT Magazines.

If you are interested please contact Andrew Pollock on 03 9568 0599.