



### Chairman's Message

Summer is over and the activity schedule is pretty well planned out for the remainder of the year.

**Sept 28:** Some of us will be attending a tour of Xcellsis Fuel Cell Engines up in Vancouver, BC.

**Oct 23:** We will be touring Advanced Digital Information Corporation, (ADIC). It will be a good opportunity to see what one of the leaders in their industry is doing along the supply chain management arena.

**Nov 15:** Our technical presentation will be at The Harris Group in Seattle. This will be a two-part meeting with one presentation being on Manufacturing Execution Systems while the other part of the meeting will be a presentation on the Manufacturing Technology Advisory Group.

There are still plenty of opportunities for involvement at a variety of different areas. Please contact any of the chapter officers if interested. The more people that are involved will enable the chapter to deliver value to the members in a more efficient manner so please think about it.

Tim Bond  
Chapter 39 Chair

#### 2001 OFFICERS – SME CHAPTER #39

Tim Bond – Chairman  
Tom Kato – Chair-Elect (2001 Chair)  
Mary Lynch – Treasurer  
John Erickson - Secretary  
Chapter voice mail (206-781-4207)  
<http://chapters.sme.org/039/index.html>

### Call for Nominations for Officer with Nominating Committee Contact

Elections to be held at November meeting. Proposed Slate of Officers for year 2002, Chapter 39 submitted by the nominating committee.

Chair Elect: Andrew Cross  
Secretary: Frank Lisa  
Treasurer: Nancy Randall

The chapters can nominate other candidates and present them to the nominating committee at least 30 days prior to the annual meeting. Please submit candidates to the nomination committee chairperson via Tom Kato by e-mail at: [tom.kato@boeing.com](mailto:tom.kato@boeing.com)

### The Society of Manufacturing Engineers Western CANAM Region 14 presents: Finding Tomorrow's Leaders: Off-the-Chart Leadership Results™

- Do you have what it takes to be an effective leader?
- Do you know how to lead change in non-stop chaos?
- Do you know the difference between managing and leading?

You've been hired to get results so results matter. Off-the-Chart Leadership Results™ is a full day, SME sponsored workshop that distills over 60 years of combined research to help you achieve higher leadership performance, increased morale, and exceptional productivity

## Visit Our Local Student Chapters





in a world of chaos and change.

The bottom line is that you will receive the inspiration, enlightenment, and how-to's for increasing leadership effectiveness in a challenging world.

*This is being offered as part of the Western CANAM Region 14 Chapter Officials Conference being held October 12-15, 2001.*

Send Registration Form to:

Mike Miller  
1550 W. Battaglia Rd.  
Eloy, AZ 85231  
Phone - 520-466-1439  
Fax - 520-466-4224

E-mail - michael\_miller@marleyct.com

Or Register on-line at:

<http://chapters.sme.org/14/index.htm>

### **Professional Certification Demonstrates Manufacturing Engineering Mastery**

To demonstrate professional mastery among manufacturing engineers, SME offers Certification programs through the Manufacturing Engineering Certification Institute (MECI/SME). MECI/SME offers programs in three areas:

- **Certified Manufacturing Technologist (CMfgT)** - recognizes competence in the fundamentals of manufacturing, including mastery of mathematics, applied sciences, computer applications and engineering design.
- **Certified Manufacturing Engineer (CMfgE)** - demonstrates comprehensive knowledge of manufacturing processes and practices, including mastery of product and tool design, support operations, integration and control, and management.
- **Certified Enterprise Integrator (CEI)** - acknowledges proficiency in leading the implementation of complex business changes

using information technology to enhance products, processes and services.

The SME Home Page ([www.sme.org](http://www.sme.org)) publishes study resources and sample Certification tests. These are graded on-line with immediate scoring.

### **SME EDUCATION FOUNDATION The foundation of our future workforce**

The Education Foundation of SME (SME-EF) recently awarded over \$245,000 in scholarships to 60 of the best and brightest engineering and technology students across the country.

"In support of a strong manufacturing base for the future, SME is working to better prepare tomorrow's practitioners meet the accelerated technical and business needs of the 21<sup>st</sup> century," said Randy Maiers, director of SME-EF. "Through our scholarship programs, SME is encouraging some of the best and brightest students to choose a career in manufacturing."

SME-EF is gearing up for the 2001 scholarship cycle. New scholarship awards have been made available and the Foundation looks forward to awarding more scholarships than ever before! Information regarding available scholarships for 2001 can be found on the SME-EF Web site at [www.sme.org/foundation](http://www.sme.org/foundation), or contact Ami Ross at (313) 271-1500, Ext. 1702 or via e-mail at [rossami@sme.org](mailto:rossami@sme.org).

### **Manufacturing is Cool Website Offers Career Direction, Scholarships, Self-Assessment and More**

SME created a new manufacturing and technology-oriented web-site, [manufacturingiscool.com](http://manufacturingiscool.com), that shows engineers and mentors how and why a career in manufacturing is cool, competitive and desirable. Sections on salaries, learning institutions, scholarship programs and summertime camps are designed to help young people explore the



diversity of challenging and interesting careers in manufacturing engineering and technology.

The web site offers many opportunities for K-12 students to improve their scientific and technology awareness by encouraging them to apply classroom knowledge to a real-world technical career. These include: virtual reality tours of companies; volunteering opportunities by participating in competitive events such as the Internet *Science and Technology Fair*, and collaborating with students and teachers to develop "Project Homepages."

For guidance counselors interested in providing information on scholarship programs or salaries, the web-site lets them evaluate colleges and universities with accredited degree programs (in manufacturing engineering or technology) and investigate scholarship opportunities. In addition, summer camps based on manufacturing engineering challenges and videos and career information are also offered.

Log on today at  
[www.manufacturingiscool.com](http://www.manufacturingiscool.com)

### **SME YOUTH PROGRAMS PARTNERSHIPS**

Technology is exploding. Competition is based on a worldwide market. Employees are expected to know more and to demonstrate higher levels of competence. Too many students lack math, science and reading skills even for basic manufacturing jobs.

The goal we share is to enhance the employability of students by advancing the message that manufacturing is important and that it presents interesting, desirable, challenging and rewarding careers.

SME's strategic education directions are to:

- Improve K-12 student interest in manufacturing
- Enhance student appreciation of the importance of manufacturing as a creator of wealth
- Act as a manufacturing enterprise "myth

buster" and replace myths with realities of today's manufacturing enterprise

- Extend programs and relationships with other professional groups

Through the SME Manufacturing Education Plan, SME is seeking "best" programs and resources that enhance manufacturing literacy and increase interest in manufacturing careers. SME is interested in stimulating partnerships to help improve the manufacturing workforce.

The Manufacturing Education Plan Ad Hoc Committee on K-12 programs researched K-12 programs and established a new website, [www.manufacturingiscool.com](http://www.manufacturingiscool.com) that identifies key resources. Programs matching SME's goals were selected and supported with partnerships.

[www.manufacturingiscool.com](http://www.manufacturingiscool.com) contains information for teachers to strengthen programs at school, build relationships inside and outside of education and provide ideas to bridge the gap between knowledge and skills.

Students find colleges to attend, sources for scholarship money, math and science games and competitions.

Guidance counselors find out about the future of manufacturing, what a manufacturing engineer is and where a student can go for information on careers in manufacturing.

Parents find colleges and universities that teach manufacturing, contact names at schools, salary and wage information and summer camps

*Unleash Your Potential-  
Harness Your Future*

**Log On**

to Professional Resources  
at the SME Home Page

*Resources, Solutions, Training & More*



[www.sme.org](http://www.sme.org)



on computer technology, engineering, math and science and technology.

### **Manufacturing Technology Advisory Group**

#### ***MTAG Expands Work-based Learning Opportunities For Students***

The Manufacturing Technology Advisory Group ([MTAG](#)) member companies are working in partnership with selected MTAG high schools and colleges for work-based learning opportunities for students and educators. Currently approximately 10 companies will offer manufacturing tours, guest speakers, training modules, and other support for students/educators in 15 selected MTAG high schools with manufacturing and/or engineering career interests. MTAG businesses intend to provide services to more than 300 juniors and seniors in Seattle, Everett, Tacoma, and vicinities. "Because manufacturing companies and teachers have united to educate students, the number of MTAG high school students who will learn about manufacturing will triple by the end of the 2001-2002 school year," said Fred Schuneman, Assistant Human Resource Director at Interstate Brands Corporation and a MTAG business member.

MTAG was formed in 1992. One of the group's accomplishments is the identification of basic manufacturing core competencies for entry level manufacturing employees/students. MTAG high schools are schools that have taken the core competencies and integrated them into the curriculum. Participating colleges are those who have articulation agreements with the high schools for some of the manufacturing and/or engineering courses or with companies that provide internships resulting in college credits for qualifying students. MTAG businesses include Alpha Precision Machining Inc., The Boeing Company, Fluke, GM Nameplate, Hobart Machined Products, Inc., Insulate Windows,

Interstate Brands Corporation, and others.

The primary partner schools selected for their outstanding manufacturing programs are: Auburn, Cleveland, Emerald Ridge, Gov. John Rogers, Ingraham, Juanita, Kent Meridian, Lake Stevens, Lincoln, Lindberg, Mountlake Terrace, SeaTac Occupational Skill Center, Sno-Isle Skill Center, Spanaway Lake and West Sound Technical Center.



*This is a picture of almost all of our school partners with a few Boeing partners.*

Additionally, 10 alternate schools were selected and will receive limited opportunities until more businesses join the program. They are Auburn Riverside, Ballard, Chief Sealth, Fife, Gig Harbor, Issaquah, Monroe, Rainier Beach, Sumner and West Seattle.

MTAG would like to offer more opportunities to more students. "It is up to us [business] to give students a chance to understand manufacturing technology today is interesting and can provide salaries that support almost any lifestyle. Until we help students, educators and parents understand our industry, manufacturing businesses will continue to spend increasing dollars to scour the world to find the employees needed by our companies", stated Lynn Brown,



# Society of Manufacturing Engineers

## SEATTLE CHAPTER 39 BULLETIN September 2001

Boeing Educational Partnerships and MTAG  
Chairperson.

Please contact Lynn Brown at  
[lynn.g.brown@boeing.com](mailto:lynn.g.brown@boeing.com) or 206-852-8024 for  
more information.

© Copyright 2001



*This is a picture of two interns in our Aviation  
Systems training project*

MTAG is asking other Manufacturing businesses to join in the efforts to educate our youth. If your company or manufacturing organization can provide a person to support this effort (approximately 4-8 hours per month) then please join us. We are looking for businesses to provide one or, hopefully, more of the following services:

Company Tour/s

Guest Speaker/s

Volunteer/s to help teach a manufacturing related module at a school

Mentor/s or Job Shadow opportunities

Project ideas or assignments & materials for classes

Internship opportunities (paid or unpaid)

Other support as possible

MTAG has built a website to help coordinate these activities. The website address is <http://www.mtag-wa.org>. Your participation will result in a valuable community service and possibly a workforce pool of qualified workers for the future.



*This is a picture of some of the business part-  
ners.*



### Advertising Rates and Contact

	1x	4x	trim size
Full Pg	400	1400	8x11
1/2 pg	200	700	8x5
1/4 pg	100	350	4x5
1/8 pg	50	190	2x 2 1/4
post card	35	140	2x 1 3/4
web page	35	140	2x 13/4

When talking to our bulletin advertisers, please mention that you saw the ad in the SME Bulletin!

**Bill Forde**  
(H) 425-337-4179  
wildfire@geminico.com  
12231 44<sup>th</sup> Drive SE  
Everett, WA 98208

### ASKO PROCESSING, INC.

Established 1967

#### SPECIALIZING IN INDUSTRIAL METAL FINISHES

- Plating •Anodizing •NDT Inspection
- Passivating •Shot Peening •Hard Chrome
- Painting & EMI Coatings
- Dry Film Lubricants •Powder Coatings
- Silk Screening •Plastic Media Paint Strip

**434 North 35th  
Seattle, WA 98103  
206-634-2080**

**CUSTOM POWDER  
METAL FABRICATORS**

## **Western Sintering**

**BOB RECTOR  
P/M DESIGN ENGINEER**

**2620 STEVENS DR.  
RICHLAND, WA 99352-1798  
PHONE (509) 375-3096  
FAX (509) 375-3594  
wesinter@owt.com**

*ISO 9002 Certified*

### INDUSTRIAL SUPPLY

## **E. F. BAILEY CO.**

*Manufacturing Solutions*

We  
specialize  
in  
vendor managed  
inventory.

Phone: (206) 762-4840  
Toll Free: (800) 262-8260  
Fax: (206) 762-4764  
5610 4th Avenue South  
Seattle, Washington 98108