

Society of Manufacturing Engineers
SME Chapter 51

Serving North and West Texas



Meeting Date: Friday, March 25, '05

PROGRAM BULLETIN

March 2005

Check out our Chapter Web Site at:
<http://chapters.sme.org/051/>

This months meeting is on Friday afternoon, March 25, 2005.

Statement from our Chairman

February 20-26 was National Engineers week. Manufacturing Engineers (ME's) provide the vital link between manufacturing designs and production. ME's apply experience and education to find the most cost efficient ways to produce reliable quality products. Some ME's are responsible for designing the tooling to support the detail and assembly build process. ME's also coordinate with all other disciplines as required to ensure internal and external customer satisfaction. ME's may be project managers, often overseeing a certain part, part family or defined section of a project from womb to tomb. In celebration of National Engineers week, Chapter 051 joins SME International by saluting all of you dedicated to the challenging and rewarding Manufacturing Engineering profession.

Chapters 051 and 195 had an excellent tour of Bell Helicopter on February 15th. Bell has a long tradition of providing quality commercial and military products and is currently developing the new U.S. 101 Helicopter, which will be the U.S. Presidents new Marine One transportation fleet. Bell showed us great hospitality including a promotional video and refreshments at the conclusion of the tour. I want to extend our gratitude to Bill Jones for arranging the tour. Please checkout details of the tour in the Chapter bulletin report drafted by our Secretary, Joey Lester.

Chapter 051 Leadership met with SME Headquarters representatives on February 17th in Arlington, TX. The main topic involved hosting a Professional Development Conference in DFW in Fall 2006. We are looking for volunteers to support the one or two day event. Please check out the PDC link on the Chapter homepage and contact me if you can help serve your chapter. Please also take a moment to review the SME National homepage and get the most out of your SME membership (<http://www.sme.org/cgi-bin/getsmepage.pl?new-sme.html&&SME&>). I'm still working on a plant tour for March so please check the Chapter website <http://chapters.sme.org/051/> for current information. Have a great manufacturing month!

Sincerely,

David Hildreth

SME North Texas Chapter 51 Chair 2005

(817) 266-5027 Cell

(800) 491-4187 Pager



MARCH 2005 MEETING NOTICE

Date: Friday, March 25, 2005

Time: 1:30 pm

Place: Bureau of Engraving and Printing
Western Currency Facility Tour and Visitor Center
9000 Blue Mound Road
Fort Worth, TX 76131
(817) 231-4000 (local)
1-866-865-1194 (toll-free)

Program:



You are welcome to the Bureau of Engraving and Printing's Western Currency Facility Tour and Visitor Center. Here you will learn all about U.S. paper currency, and best of all, you can actually see billions of dollars being printed as you walk along an enclosed walkway suspended over the production floor. Before or after your tour, enjoy two floors of interactive exhibits showcasing the history of currency and the intricacies of the printing process. Other features of the Visitor Center include a theatre film, a gift shop, and a vending and rest area.

GENERAL TOUR INFORMATION

The free, 45-minute guided tours are available Monday through Friday. Tour features include displays and exhibits showing the history of U.S. paper currency, the production process and its technology, an informative 15-minute film of the production process, a quarter-mile long elevated walkway tour overlooking the currency production floor, the Moneyfactory Gift Shop, and three live demonstration exhibits; a turn-of-the-century spider press, a mutilated currency redemption desk, and an engraver's bench.

Agenda: 1:30 PM – Tour Start



RSVP: Please RSVP to David Hildreth (817) 777-6425 or notpar99@sbcglobal.net

Directions: **From Denton:**
Take I-35W South towards Fort Worth and merge onto US 287N /US 81N (Exit 60). Exit FM 156 (second exit) and turn left (south) onto FM 156/Blue Mound Road. Proceed one mile and turn left into the visitor's parking lot.

From Downtown Dallas:
Proceed west on Interstate 30 to Loop I-820N (Exit 21B). Proceed on Loop I-820 to I-35W North (Exit 16A) toward Denton. Proceed north on I-35W to Hwy. 287/81 (Exit 60) to Decatur. Proceed north on Hwy. 287/81 to FM 156 (second exit). Turn left (south) onto FM 156/Blue Mound Road. Proceed one mile turning left into the visitor's parking lot.

From North Dallas:
Take I-35E south to Loop 12 South (Exit 436). Proceed to Hwy 183 West toward Irving/DFW Airport. Proceed west on Hwy 183 to Loop I-820W. Proceed on Loop I-820W to I-35W North (Exit 16A) toward Denton. Proceed north on I-35W to Hwy. 287/81 (Exit 60) to Decatur. Proceed north on Hwy. 287/81 to FM 156 (second exit). Turn left (south) onto FM 156/Blue Mound Road. Proceed one mile turning left into the visitor's parking lot.

From South Fort Worth:
Take I-35W North toward Downtown Fort Worth and proceed north to US 287N/US 81N (exit 60) toward Decatur. Exit FM 156 (second exit) and turn left (south) onto FM 156/Blue Mound Road. Proceed one mile and turn left into the visitor's parking lot.

From West Fort Worth:
Take I-30E and merge onto I-820N (Exit 5B). Proceed on Loop I-820W to I-35W North (Exit 16A) toward Denton. Proceed north on I-35W to Hwy. 287/81 (Exit 60) to Decatur. Proceed north on Hwy. 287/81 to FM 156 (second exit). Turn left (south) onto FM 156/Blue Mound Road. Proceed one mile turning left into the visitor's parking lot.

Note: FM 156 may also be called Blue Mound Road.



Financial Report Feb. 2005

Starting Balance--Feb. 01		\$2,196.72
INCOME		
6001-Advertising		
6081-Interest	\$0.34	
TOTAL INCOME		\$0.34
EXPENSES		
7213-Postage&Shipping	\$146.72	
7241-Printing	\$72.88	
7245-Bank Fee	\$13.00	
7317-Meetings	\$35.00	
TOTAL EXPENSES		<u>(\$267.60)</u>
Balance Forward--Feb. 28		\$1,929.46

Respectfully Submitted by:
Douglas Miles
Treasurer



FEBRUARY'S BELL HELICOPTER PLANT TOUR

Date: 15 February 2005

Time: 5:30 p.m. – 8:45 p.m.

Meeting Location: Bell Helicopter Plant Tour

In Attendance: 25 members

Special Announcements

- A special thank you to Wayne Sissom and Bill Jones at Bell Helicopter for the outstanding plant tour.
- Special guest Ed Willmen a member of SME since 1953, also a 30 year retiree from Bell Helicopter joined us for the tour.

Plant Tour

The tour took place at Bell Helicopter headquarters in Fort Worth, Texas.

A little history...

- Bell has produced 30,000 aircraft to date.
- They have 6,500 – 7,000 employees.
- There are 3 production facilities: Fort Worth Texas, Amarillo Texas and Malibro Canada.

Tour Facts...

- Bell recently acquired a contract to build the 427 helicopter for the US Army.
- The V-22 composite blade is the only leading edge heated blade in the world.
- The V-22 composite blade holds around 34,000 pounds.
- The V-22 composite blade costs between \$120,000 - \$150,000 a piece.
- The V-22 composite pylon laminate weights 275 lbs. less than a steel pylon
- Bell Helicopter makes several types of blades for helicopters, for example: the composite life time blade and the metal blade with a 3,300 hour life span.
- The electrical shop at Fort Worth does 55% of the V-22 work using only 22 people on 1 operating shift.
- The Huey II and the OH58D process 20 day turn-arounds. These aircraft are from the war in Iraq.
- A 430 helicopter costs around \$6 million. Operating expenses to run this helicopter are \$1,000 per hour for every flight hour.
- Bell Helicopter is eagerly anticipating news regarding the US 101 helicopter contract. This helicopter was flown by the Mayor of Amarillo, Texas! The Mayor was using the helicopter for a sight seeing expedition of his ranch. There was a moment of panic when the helicopter was feared down!



MARCH 2005 EXECUTIVE COMMITTEE MEETING

1. **Date:** 8 March 2005

Time: 7:00 p.m.

2. **Meeting Location:** Shady Oaks Barbeque

3. **Reports:**

Chair: David Hildreth not present tonight, attending a funeral of a close friend.

Chair-Elect: Brett Garrett standing in as Chair tonight.

Planning: US Mint Tour March 25th

Treasurer: Report sent by D. Miles was reviewed and approved.

Secretary: Joey Lester

Bulletin & Advertising: To be deferred until April meeting.

Certification: see Jeff Robinson for materials. See also new business minutes.

4. **Old Business:** Read

New Business:

- *Jeff proposed a weekend retreat study group cram session at NT at Arlington for certifications prepping.*
- *Need to define more clearly Plant Reps? Get new members & help companies participate with that and plant tours. Defer until next meeting for Rudy.*
- *20-25 Mb is our space for Ch. 051 Website*
- *As of this meeting no tour site for March yet. TBA*
- *Defer Website suggestions until next meeting.*

7. **Special Announcements:** None

8. **Adjournment:** 7:42 p.m.

Today's Attendance:

1. Brett Garrett
2. Joey Lester
3. Jeff Robinson
4. Ed Wellman



2005 SME Chapter 51 Officers & Committee Chairs

David Hildreth	<i>Chairman</i>	(817) 777-6425 (W) (817) 845-0305 (C) notpar99@yahoo.com
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Open	<i>Secretary</i>	
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Jeff Robinson	<i>Webmaster</i> <i>Certification Chairman</i>	(903) 813-1746 ext. 1872 (W) (940) 736-8429 (C) notes4jeff@hotmail.com
Norm Williamson	<i>Public Relations Chairman</i> <i>Plant Rep. Liaison</i>	(214) 630-6660 (W) (214) 546-1772 (C) sales@hodie.com
Open	<i>Membership Chairman</i> <i>Advertising Chairman</i>	



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FIRST CLASS

