



Society of  
Manufacturing  
Engineers

# Chapter 51 News

## March 2006

### Executive Meeting

March 14 - Steak N' Ale (Arlington near 6  
Flags)

### General Member Meeting

March 28 – Lockheed Martin  
(Fort Worth)

*Serving North and West Texas*

**Since  
1942**



# A Word From the Chair

Team;

Well February has come and gone already. We had a good month. Some not so good news on a few things but you gotta take the bad with the good. We had a great tour of Bell Helicopter over in Grand Prairie where they produce transmissions for their helicopters and the V-22. Our tour guides talked about how they are deeply involved in implementing 6 Sigma philosophies and they showed us where there were tangible improvements in their processes. They mentioned that prior to these efforts, their growth was flat lined and had been so for quite awhile. But with the new processes in place there is and was going to be growth. On a more solemn note, Chapter 195 is no longer. Chapter 051 just received notification that Chapter 195 has been officially merged into 051. I want to extend a personal thanks to all members of Chapter 195, their EXCOM in particular, for all the hard work and effort they put forth in past years. I also want to extend an open invitation to all 195 members to continue to be involved with SME. Chapter 051 is just as much your chapter now as anyone's and I want you to take advantage of it. Our next EXCOM meeting will be 14 Mar 06 at the Steak and Ale in Arlington over by Six Flags. Dinner will start at 6:00. We are also putting together a tour of Lockheed Martin on the west side of Fort Worth for 28 Mar 06. Sign up soon as right now we are limited to only 15 guests. The visitation policy requires us to have one Lockheed Martin employee as a tour guide for every five guests. Right now we only have three employees but we are working on more. All visitors must be over the age of 10 and must be U.S. citizens. Call me at 817-253-9797 to confirm your spot. Well..... don't call after 9:00 at night. The wife will not be impressed. Our chapter is also facing some new challenges. National Headquarters has stopped providing as much funding to the local chapters. National is going through a reorganization and has limited chapter funding to \$255 per year per chapter. Now more than ever your chapter needs you. There are so many things you could help with. Small things that by themselves don't take a lot of time. Please join us at our next meeting and come see what your chapter has to offer. In closing I would like to extend a heartfelt thanks to Jeff Robinson. Jeff has been a great supporter of the Chapter and is responsible for the successful tour we had at Bell Helicopter. Thank you Jeff!

Humbly Yours  
Brett A. Garrett  
2006 Chapter Chair 051

# February Executive Committee Meeting Minutes

1. Merger with 095 official – expected to be complete by next excom meeting.
2. Visitors attended the meeting – one from SAE Texas
3. Other visitor a company recruiter looking for a person with 5 years Rolling Mills experience.
4. SME headquarters has free memberships for higher management positions – these to be given out to plant tour hosts.
5. Machinery companies want to start advertising in our bulletin again - \$10 a month is the suggested charge.
6. LM Aero Tour on the 29<sup>th</sup> – Brett will supply details in an e-mail.
7. Romeo tour postponed until May, University tour being lined up for April.
8. No tours in July or August. Possible Technical presentation in September.
9. SW Manufacturing News – free membership if SME member. Chapter 51 should include an article in every issue.
10. SME now has own Lean certification – Bronze level is out now.
11. SME – SAE reciprocal membership is being looked into.

Thanks!

Mike Kelly

# Financial Report for February 2006

## Financial Report February 2006

Starting Balance--Feb. 01, 2006	2,006.71
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### INCOME

6001-Advertising	\$0.00
6033-HDQ Funding	\$1,367.20
6081-Interest	\$0.59

TOTAL INCOME	\$1,367.79
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### EXPENSES

7213-Postage&Shipping	\$0.00
7241-Printing	\$0.00
7245-Bank Fee	\$0.00
7317-Meetings	\$0.00
7361-Supplies	\$0.00
7389-Travel	\$0.00

TOTAL EXPENSES	\$0.00
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NET ORDINARY INCOME	\$1,367.79
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Balance Forward--Feb. 28, 2006	\$3,374.50
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Respectfully Submitted by:

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Douglas Miles  
Treasurer

# General Membership Meeting

Lockheed Martin  
Fort Worth, Texas

March 28, 2006  
5:45 - Networking  
6:00 PM – Plant Tour

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Hey team;

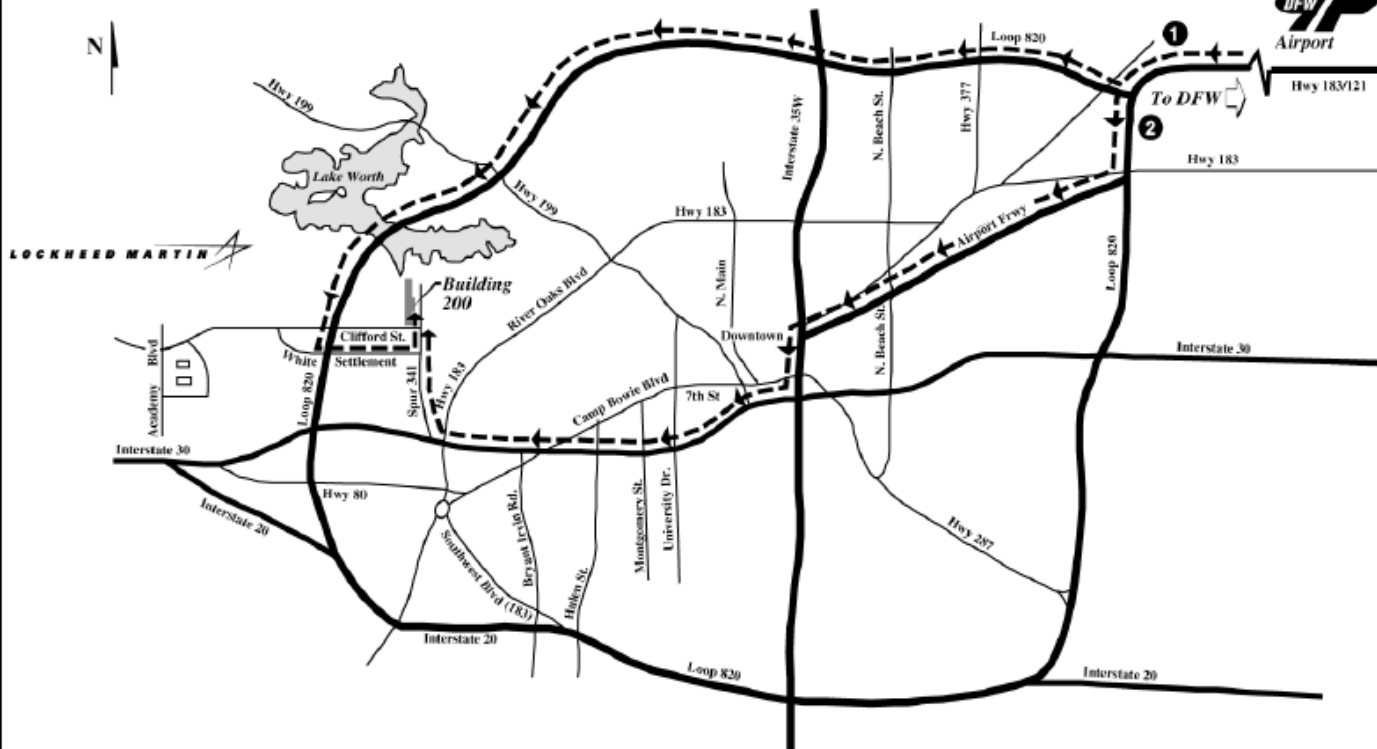
Looks like we are a go for the Lockheed Martin tour on 28 Mar 06. We have enough room and tour guides for 25 guests. **So if you want to come, please call me to confirm your spot 817-253-9797.** The tour will start at 6:00 so try to be there by 5:45 at the latest so we can get everyone signed in. You'll have to show your drivers license, or some other official form of identification, to the guards at the main gate. Just tell them you are coming in for a tour. Study the attached maps closely. You'll want to park in the Visitors Lot E (designated by a black E within a white rectangle as shown on the "Transient Visitor" slide) watch for and follow the signs. It's a controlled access parking area but we can get the exit code from the guards. Everyone who comes as a visitor must be at least 10 years of age and a citizen of the United States. Once you park, head toward Employee gate 6 (Red rectangle with a circled number 6 in it) as shown on the "Transient Visitor" slide. If you have any questions or get lost, call me at the number listed. Look forward to seeing you there.

Brett A. Garrett

**Directions on next 2 pages!**

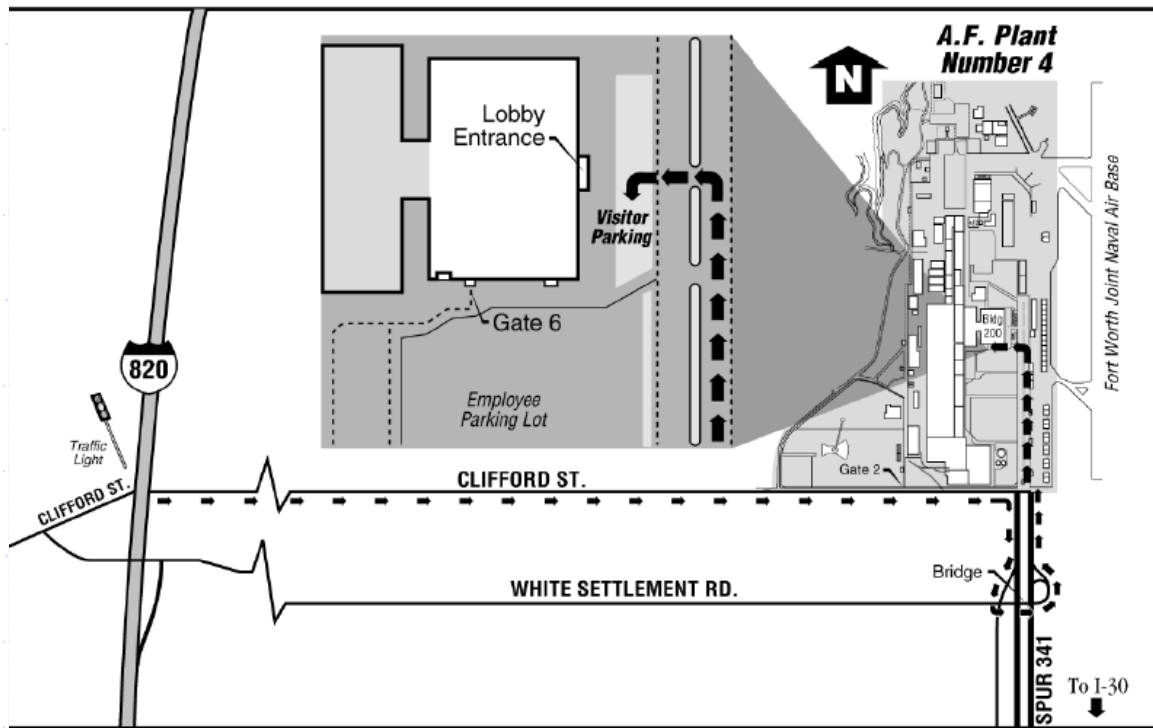
# How To Find Us

## Fort Worth Area Map



- 1** Directions from D/FW Airport to Lockheed Fort Worth Company Air Force Plant #4 . . . Leave D/FW Airport through south entrance. Go West on Hwy 121 to Loop 820 West. Stay on Loop 820 until you reach White Settlement Rd. Exit. Go East on White Settlement Rd. about 2 miles to the Lockheed Martin Way. Turn left and Continue down Lockheed Martin Way through the main gate until you reach Building 200 (white building on the left). Visitor parking is in front (follow signs).
- 2** Leave DFW Airport through South entrance. Go West on Hwy 183/121 (Airport Freeway) until you reach I35W. Go South on I35W 1 Mile and exit West on I30 at the mix master. Go West on I30 and exit on Spur 341 (Lockheed Martin Way) and proceed North through the main Gate until you reach Building 200 (white building on the left). Visitor parking is in front (follow signs).

## From Loop 820 to AFP #4





# Review of February Tour – Bell Helicopter

Tour of Bell Helicopter on Tuesday, February 28<sup>th</sup>. Jeff Robinson, our Chapter Webmaster & Certification Chair works at the Drive Systems Center (Grand Prairie) and helped arrange the tour. The tour was hosted by Robert Pierson, Director of Lean Manufacturing. Thirty members and guests met in the lobby and we all got a good look at some of the products including a working simulation of the V-22 propeller transmission. The Drive Systems Center makes all the gears and transmission assemblies for all of Bells commercial and military rotorcraft. They are ramping-up quickly to meet increased product sales. Corporate is committed to process improvements and is investing large sums of capital to purchase or retrofit equipment and facilities. The division is also hiring about 100 people per month. They are incorporated Lean technology to become more efficient and competitive. We split up into two groups and toured the Milling Shop, Transmission Assy work cell, Material Processing cell, Carrier cell, gear cell and engineering offices. By creating work cells, point of use stock items, Kanban pull inventory, Visual image systems, First-in First-out boards, modular transportation carts and Transactional Process Improvements, Bell has greatly improved throughput and quality. They started by implementing \* 5S and are in the process of moving many machines, which were formerly contained in separate departments, into work cells. The average employee is 52 years old and has 27 years with the company. The Lean process improvements have been challenging to implement due to high-growth and organizational culture obstacles. Mr. Pierson said it, “was like trying to change a tire on a moving car”. The tour ended with a Q&A session and everyone who attended enjoyed the tour.

\* **5S** is a reference to five Japanese words that describe standardized cleanup:

- Seiri (整理): tidiness, organization. Refers to the practice of sorting through all the tools, materials, etc., in the work area and keeping only essential items. Everything else is stored or discarded. This leads to fewer hazards and less clutter to interfere with productive work.
- Seiton (整頓): orderliness. Focuses on the need for an orderly workplace. Tools, equipment, and materials must be systematically arranged for the easiest and most efficient access. There must be a place for everything, and everything must be in its place.
- Seiso (清掃): cleanliness. Indicates the need to keep the workplace clean as well as neat. Cleaning in Japanese companies is a daily activity. At the end of each shift, the work area is cleaned up and everything is restored to its place.
- Seiketsu (清潔): standards. Allows for control and consistency. Basic housekeeping standards apply everywhere in the facility. Everyone knows exactly what his or her responsibilities are. House keeping duties are part of regular work routines.
- Shitsuke (躰): sustaining discipline. Refers to maintaining standards and keeping the facility in safe and efficient order day after day, year after year.

Have a great month and I hope to see you at the next tour,

David Hildreth, CMfgE

SME Chapter 051 Bulletin Editor - 2006

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**Open**	<i>Membership Chairman</i> <i>Advertising Chairman</i> <i>Program Chairman</i>	



WHERE MANUFACTURING  
COMES TOGETHER<sup>SM</sup>