



Welcome to the February 2009 issue of the Newsletter! Your local provider of information and learning opportunities related to quality professionals.

MEMBERSHIP MEETING

LOCATION:

Microtel inn (east)
12211 Gateway Blvd W, El Paso
(Between Zaragoza and Joe Battle)

SCHEDULED HOUR: 6:30 pm-8:30 pm

DATE: February 18, 2009

SPEAKER: Miss Dianne Jones, Principal of Transmountain Early College High School

TOPIC: Early College High School

MEETING IS FREE FOR EVERYBODY (MEMBERS OR NON-MEMBERS) AND THE
SPEAKER STARTS AT 7:00 P.M.

We start our social hour at 6:30p.m.

NOTICE – Science Fair Judges needed:

If you can help, please contact Joe Lissberger

Work Phone: (915) 831-2892

Fax: (915) 822-1869

e-mail: jlissber@elp.rr.com

Sun Country Science Fair

UTEP Memorial Gym

Feb. 28, 2009

Starts at 8:00 AM

THE CHAIR SPEAKS

JOE LISSBERGER

Once again we are coming upon the period when we must nominate new officers for the section—each year we are prone to waiting until the last moment before we do anything. This is not the

way for an organization to operate properly and as a quality-related organization it is about time that we step forward and perform in a quality fashion. For the section to do this then, we must nominate for the section's four elected positions persons who are both eligible and willing to take on these positions. These positions are, Chairperson, Vice Chairperson, Treasurer (can only serve for 2 years) and Secretary. We must have all nominations presented to the section by e-mail or paper ballot; no nominations will be accepted from the floor on election meeting night.

Another point I would like to bring up is a survey that ASQ ran on "Section Satisfaction and Loyalty Study." The response to this survey was released last week and the response from Section 1401 was 3 members who took the time to fill out the survey and respond. Although this was not the smallest response it sure was not very good for a section of 175 members. I hope that there are more than three people in our section who are interested enough in the section to help us move forward and improve on the Quality Profession. Friends and colleagues please provide input in the section so that we, the executive committee, can give you what you need and want from the section.

AUTOMOTIVE SECTION
HECTOR LUGO

Thanks to all our members interested in this section and the following is from our problems with this tough economy:

Tony Cervone, a top spokesman for General Motors as it battled bankruptcy rumors and won U.S. rescue loans, is leaving the automaker. Cervone, 46, will join UAL Corp., parent of United Airlines, as chief communications officer and senior vice president, United said in a statement.

Steve Girsky, a former Wall Street analyst and General Motors adviser, is a leading candidate to help oversee federal loans to automakers, *The Detroit News* reported today. The Obama administration is considering Girsky for second-in-command on the auto team or for a position on the restructuring board for GM and Chrysler LLC, the paper said, citing unidentified sources.

Despite of that, strong sales of the Sonata sedan and Santa Fe crossover helped Hyundai stand with only two other brands in recording higher U.S. sales in January compared with January 2008. The other two gainers were Hyundai's sister brand, Kia, and Subaru. Hyundai reported sales of 24,512 vehicles in January, a 14.3 percent

increase over January 2008. Kia sales rose 3.5 percent. Combined, Hyundai and Kia were up 8.9 percent in a U.S. market that plunged 37.1 percent.

EDUCATION SECTION

KIM PRIES

What is the 'reductive approach'? The reductive approach occurs when we analyze a system by breaking it down into component parts and assume that what we have sliced out the pie is equivalent to the pie. This approach is the most common method used in scientific analyses and many so-called "root cause analyses." It has the advantage of defeating a problem in detail; that is, by breaking the elephant into bite-size chunks, we are able to eat it.

The defect with the reductive approach should be obvious to practitioners of designed experiments. One thing we lose is the ability to discern interactions among the components. Another potential issue lies with a concept called emergent properties—in many cases, the pie is greater than the sum of its parts. In short, the interactions dominate the behavior of the system and invalidate the reductive approach. Consider a single-celled creature called the 'slime mold.' When nutrients are scarce, the individual cells of the mold will agglomerate to create a somewhat grotesque mass (that's why we call it a mold!). This mass can function as a larger organism and even solve complex problems like maze traversal to find food. Yet, nobody would predict this behavior from examination of the single-celled creature in isolation.

Reductive approaches need to be questioned to see if they are appropriate to circumstances. For those of us involved with manufacturing, the question must be asked during root cause analyses and formal corrective actions. It doesn't pay to see the same problem again in six months!!

MANAGEMENT SYSTEMS

By Alfonso Enriquez

More companies are integrating their quality system with the environmental and the health and safety system. Where I work we recently added to our ISO 9001 certificate the ISO 14001 for environmental and the OHSAS 18001 for occupational health and safety certificates, these three were integrated under the PSA 99: A public available specification for integrated management systems. Integrating these systems has economic advantages, these are some of them: 1) Just one management review, I work before in a company

that had one management review for the environmental system and one management review for the quality system; 2) Reduced number of internal audits, 3) reduced number of external audits.

There are also gains in the transfer of knowledge from one system to the others.

The concept of a safety culture goes back to the Chernobyl nuclear accident.

Cooper ⁽¹⁾ explains that the safety culture model includes the external and the internal factors, and takes the Bandura Reciprocal model to explain that the mutual interaction among, the Management System, the Individual Psychological factors and the way the organization really works.

Narayanan ⁽²⁾ has expressed that: "Following standards cannot create a quality culture; it comes about a single minded pursuit of excellence"

CCC ⁽³⁾ report that : "Operations and quality managers familiar with the process (safety culture) and its success saw no reason why the same principles could not be used to reinforce their ongoing quality effort.

In summary the Quality area has exported some concepts and tools to other disciplines, now it seems that Quality might import the culture concept from the safety field.

1. Cooper M.D. (2000) Towards a Model of Safety Culture. Safety Science 36.

2. Srijayan Narayanan Iyer, ASQ World Conference on Quality and Improvement procedures. May 2006

3. Culture Change Consultants Inc.
<http://culturechange.com/quality.html>

RE-CERTIFYING AND ASQ CERTIFICATIONS

STEVEN SCHAFER

Out of a total of 11 member(s) whose certifications expired June 2008, 2 lost their certifications, 1 member(s) re-certifications are being processed and 8 member(s) completed their re-certifications.

The 2 members that did not re-certify changed jobs and decided to not re-certify.

Out of a total of 15 member(s) whose certifications expired December 2008, 8 will lose their certifications if they do not re-certify by the end of June 2009, 2 member(s) re-certifications are being processed and 5 member(s) completed their re-certifications.

Out of a total of 8 member(s) whose certifications will expire June 2009, 8 will lose their certifications if they do not re-certify by the end of December 2009, 1 member(s) re-certifications are being processed and 3 member(s) completed their re-certifications.

Members can re-certify early! As long as you have enough points to re-certify early, you can. Your Certifications will be extended 3 years beyond the certification expiration date you currently have for your certification. So you don't lose anything by re-certifying early. Out of a total of 7 member(s) whose certifications will expire December 2009, 7 will lose their certifications if they do not re-certify by the end of June 2010, 0 member(s) re-certifications are being processed and 0 member(s) completed their re-certifications.

If anyone has questions on how to re-certify to extend their ASQ Certifications and/or how to synchronize them if they have more than one, please let me know. Re-certifying by exam now costs more money, since the prices went up January 2005 and is a lot more difficult than re-certifying. You can reach me, the Re-Certification Chair, at 915-612-7392 during working hours and at 915-584-0033 after hours. Both numbers have answering machines and if I don't answer, I will call you as soon as I can. You can also reach me via the Internet at spikequate@sbcglobal.net. I am ready to help with any questions you might have about Re-Certifying or about any ASQ Certifications you might have, call me. The Re-Certification Journal is at the following link and will guide you in the re-certification process <http://www.asq.org/certification/recertification/rucredits/index.html>

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Active Job Orders

The following is a list of our hottest current job orders. If any would appear to be of interest to you and a fit for your experience please contact us for more details. We would also invite you to check out all of our open jobs at www.markentpersonnel.com.

Tom's Jobs

Project Engineer – Hardware/Software Design – 4562 – Automation Controls – Madison, WI to \$100,000

Mechanical Design – Heavy Weldments - 4552 – Structural Steel – Minneapolis, MN to \$75,000

Electrical Engineer – Assemblies – 4563 – Design and Assembly Liaison – Baraboo, WI to \$60,000

Mechanical Project Engineer – 4551 – Small plastic/metal components design – Oshkosh, WI to \$78,000

Mechanical Design Engineer – 4566 – Electro-mechanical Assemblies, CAD – Mauston, WI to \$60,000

Mark's Jobs

Product Development Engineer – 4555 – Consumer products R&D – Milwaukee, WI to \$92,000

Quality Manager – 4564 – Industrial transmissions and gear boxes – Beloit, WI to \$70,000

Mechanical Design Engineer – 4567 – Industrial transmissions and gear boxes – Beloit, WI to \$70,000

Kelly's Jobs

Controls Engineer – 4160 – Systems Integration/PLC/HMI programming – Racine, WI – to \$80,000

Process Controls Engineer – 4130 – PLC/HMI programming/Systems Integration – St. Paul, MN – to \$80,000

Process Engineer – 4544 – food/dairy equipment/Design/AutoCad – Stevens Point, WI to \$80,000

Tom G's Jobs

IT Sales Executives- 4542- Provide IT outsourcing services to Healthcare industry - Madison to \$120K

Affiliate Jobs

Quality Engineer – 01636407 – Medical device manufacturer – Milwaukee, WI to \$70,000

Mechanical Engineer – 01624954 – 3+ years design experience in the Industrial oven industry, Milwaukee, WI to \$80,000

QA Manager – 01628008 - BS Life Sciences and 5+ years of consumer product Chemical Industry - Green Bay, WI to \$70,000

HVAC component Engineer – 01622788 – B.S. Engineering and experience with automotive HVAC preferred, Western, WI to \$85,000

Manufacturing Engineer – 01618368 – B.S. Engineering and 3+ years lean manufacturing experience for plastics industry – Waukesha, WI to \$65,000

Senior Project Engineer – 01634469 – BSEE and 5 + years in vehicle electrical systems – fuel injection or engine controls – Milwaukee, WI to \$98,000

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Potential meeting and dinner schedule

YEAR	MONTH	DAY	TOPIC	LOCATION
2009	March	21	Forrest Breyfogle – Six Sigma	Board Room of The El Paso Community College ASC located where the old Tonka Toy Factory used to be
2009	March	18	Desalinization plant tour. Also, nomination of new officers for 2009-2010	TBD
2009	April	15	Vision testing equipment	TBD
2009	May	20	HACEP (Housing Authority) tour	5300 E Paisano
2009	June	24	Unknown	TBD
2009	July	22	Executive Committee Meeting 1	TBD
2009	August	19	Executive Committee Meeting 2	TBD

**2008-2009 OFFICERS and COMMITTEE
CHAIRS**

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Our Section is on-line! Make a suggestion – win a FREE meal! <http://asq1401.org>