



The Lighthouse

November 2004

Elyria/Lorain Section 814
Mission Statement

To advance community and member quality excellence through educational opportunities, non-competitive information exchange, networking, forming alliances and leadership growth



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Chair's Message

Opportunities I was having dinner with some of my associates from Lubrizol, CWRU and NASA-Glenn about two weeks ago. We could all clearly remember when the various local television news broadcasts boldly proclaimed to be from the "best location in the nation". Greater Cleveland ... the best location in the nation è a land of opportunity within a land of opportunity. The steel mills and automotive industry along with their vast supporting infrastructure were literally waiting to hire us as we came out of high school. This area was truly loaded with opportunities: quality products made by quality people.

We started discussing some of the efforts by the Society of Manufacturing Engineers (SME), iCleveland and the Lerner Center (Cleveland Clinic Foundation). Last week, SME sponsored FabTech, a global trade show and seminar series in traditional manufacturing, at the I-X Center. The same week, The Cleveland Clinic and National Cancer Institute

hosted two national level medical conferences in Greater Cleveland. Quality remains at the epicenter of traditional and non-traditional businesses.

SME's FABTECH International (last week at the I-X Center) is the largest and longest running annual metal forming and fabricating event in North America. Its mission is to bring the buyers and sellers of metal forming and fabricating technologies together in an environment that facilitates and accelerates their interaction and professional development. This year's show featured geometric tolerancing, X-ray based compositional analyses, computer systems to bring quality (especially LEAN) to any size shop floor along with numerous opportunities to tour Lincoln Electric. State-of-the-art equipment for stamping, pressing, spin-forming, hydro-forming, water-jet cutting and laser cutting were on display and operational. The seminars covered many topics including steel types, LEAN applications, safety and reliability confirmation, environmental concerns and entrepreneurial operation. We certainly have come a long way since the simple tally sheet.

(i)Cleveland (.org) is a network of college students and area professionals focused on keeping the best and brightest minds in Northeast Ohio. Their mission is to ensure a talent-rich region (Greater Cleveland) that helps achieve economic growth by providing us with access and connections to area employers and an appreciation of this region as a great place to live. Lorain County Community College and Cuyahoga Community College offer enormous opportunities along with the certification classes, workshops and facility tours offered through Elyria-Lorain ASQ Section 814.

Dr. Marcia Jarrett, Director of the Research Education Office at the Lerner Research Institute, is working with the Cleveland Technical Societies Council (in which ASQ 814 is a member) to draft proposals to train Greater Cleveland's inner-city teachers. The program would focus on three areas:

stem cell research, genomics , and proteomics. The Cleveland Clinic staff would teach the classes, and attendees would receive a stipend and credit for the training. The Cleveland Clinic's BioMEMS lab, doctors, engineers and scientists at Lorain-Cuyahoga's many colleges as well as industrial labs work together on numerous projects on the micro- and nanoscales. Obviously, quality is at the heart of these efforts.

Local efforts include curing cystic fibrosis (CF) and growing artificial bone. Copernicus Therapeutics, a Cleveland biotechnology company, is developing "DNA compaction" to "squeeze" the CF gene small enough to pass through pores in the cell nucleus. Which are, about 100,000 times smaller than a human hair. Dr. Steven Eppell, (working on artificial bone in the CWRU nano-orthopedics department) will be talking to us this spring about his joint efforts with John Carroll University on hierarchical learning teams. Beyond medical applications, the MEMS Academy is helping to extend quality principles, specific skills and entrepreneurial spirit to the micro- and nano-scale

for silicon chip fabrication, accelerometers (automotive air bag actuators) and sensors.

Perhaps one of the greatest opportunities in Greater Cleveland is the "Institute of the Great Outdoors". The "Cleveland Metroparks" is an excellent resource that few other areas can claim. Personally, I cannot speak highly enough about their programs. The many planetariums in the area made last week's total lunar eclipse even more of an event. Northern Ohio still boasts world leadership in paints and polymers. We even had an opportunity to see President George Bush in Westlake and Senator John Kerry (with Bruce Springsteen) in Cleveland. The traditional opportunities may not be as strong as they once were, but with preparation and coordination I can see the Elyria-Lorain region (and Greater Cleveland) regain its position as the "best location in the nation" è made even greater through diversity.

I look forward to seeing YOU take advantage of greater opportunities at our future activities !

Yours in Quality and Innovation,
Marc Kelemen, CQM
Section 814 Chair

Marketing Yourself to Prospective Employers Class

November 6th, 2004

The purpose of this class is to help those that are unemployed, soon to be unemployed, actively looking, passively looking, etc. In other words, this class is for everyone who would like to improve their probability of finding a new opportunity. It is open to members and non-members. This class will consist of a 4-hour workshop designed to help prospective candidates with their resume, personal presentation, working with recruiters, using the Internet, etc. The fee is \$20.00.

Deadline for application is November 4th. Contact Michael Haessly if you are interested at 440-725-1022.

Meeting November 10th

ASQ and Healthcare

By Steve Pettyjohn.

The skyrocketing cost of health care has become an issue in this presidential campaign. It is a subject that impacts all of us. American manufacturing companies are at an extreme disability in competing in the global market place due to their health care costs. Federal, state and local governmental budgets are stressed to the breaking point. Learn about the role of the American Society for Quality and it's Health Care Division in addressing this pressing issue. Our speaker has over 20 years of experience in the subject and is also a long time ASQ member. Steve Pettyjohn is no stranger to our section as he has been a guest speaker on two prior occasions.

Speaker's Biography

Steve Pettyjohn is President of Quality Assist Consulting where he provides consulting and training services for organizational improvement to a wide variety of clients from manufacturing to service to sales including: hospitals, steel companies, metal fabricators, libraries, school systems, auto parts manufacturers, local and

county governments, and others. He has considerable experience in assisting clients develop team-based organizations and quality systems to improve customer satisfaction, improve quality and productivity, and become more effective in the global market place. Steve has worked with over 40 systems development projects. During the 1990's, he worked with a number of companies to develop quality systems and achieve ISO and QS-9000 certification and registration.

Steve's background includes over 25 years of experience as a line manager, executive and a project manager working with organizations in the insurance industry, health care and information technology/systems development areas. He has first hand personal experience in forming and managing teams, training, overcoming obstacles, dealing with the fears of middle management and focusing on improving performance for customer satisfaction.

Steve is an active member of the American Society for Quality. He is currently the Regional Councilor for the ASQ Health Care Division's Region 8, which includes Western Pennsylvania, Eastern Ohio and West Virginia. He has helped organize regional health care conferences and been a speaker at several ASQ events. Steve has served as Chair of the Cleveland Section's Executive Committee (2000-2001), on the Program Committee (chairman from 1994-1996, 2002-2004), Public Information/Media Chair (1998-1999), and the Education Chair and First Vice-Chair (1999-2000) where he continues to teach courses in *ISO/QS9000 Documentation and Implementation*, *Transitioning to ISO 9000/2000*, *Cost of Poor Quality*, *Certified Quality Auditor*, *Certified Quality Manager*, *Process Mapping*, *Root Cause Analysis*, *Project Management*, and *Strategic Planning*. He is currently an instructor at Cleveland State University and has been an adjunct professor at Ashland University, a guest lecturer at Indiana University, Purdue University, John Carroll University, and Baldwin - Wallace College. He is a Certified Quality Manager, a Certified Quality Auditor and a Certified Quality Improvement Associate by the American Society for Quality and certified by the Registrar Accreditation Board as a Quality Management System Lead Auditor. Steve has a BS in Education and History from Indiana University along with an MBA from IU.

LifeShare Blood Drive



Everyone from the American Society of Quality who donates blood to LifeShare Community Blood Services from Sept. 1, 2004 to October 31, 2004 will be entered into a raffle for a Juran Book. Each donor must write "American Society of Quality" on line number 13 of the donor registration form in order to participate in the raffle. To make an appt. to donate or to find a conveniently located donor center, call 1.866.644.5433. LifeShare has nine donor facilities across the region. At the November 10 meeting, all those in attendance who gave blood during this special promotion will receive a fun, 100 percent cotton, limited edition T-shirt in appreciation.

LifeShare is one of the oldest, most respected charities in Northeast Ohio. Donated blood remains in the community where it was given.

Winter Team Building Activity

ASQ Section 814 will be having a Winter Team Building Activity at Dave & Buster's in Westlake on Dec 8 at 6:30PM. All we'll tell you now is "**become a private detective @ D&B!**" A Roast Beef Buffet will be provided including Horseradish sauce, House salad, Red skin mashed potatoes, Garden vegetable medley, Corn O'Brien, Fresh baked rolls and butter, Lemon herb grilled chicken breast. A nominal fee will be charged for this activity.

Winery Tour

We will be having a winery tour of J.Christ Winery in Avon this autumn. Details to follow. The tentative date is Thursday, December 9, 2004, starting around 5:00 PM.

Contact Marc Kelemen if interested.

Your Executive Committee

Position	Name	e-mail
Chair /Program Chair	Marc Kelemen	Mjk99@earthlink.com MarcP.Kelemen@energizer.com
Vice Chair/Education Chair	Michael Haessly	Haessly@myepath.com
Secretary/Treasurer	Mark Murphy	Mark.murphy@sunmed.com
Recertification Chair	Thomas Copeland	Thomascopeland@juno.com
Newsletter Editor/Internet Liason	Michael Haessly	Haessly@myepath.com

Statistics Humor

by Bruce White

- A statistician is someone who loves to work with numbers but doesn't have the personality to be an accountant.
- What do you call a statistician on drugs? A high flyer.
- How many statisticians does it take to change a lightbulb? 1-3, alpha = .05
- There is no truth to the allegation that statisticians are mean. They are just your standard normal deviates.
- Did you hear about the statistician who invented a device to measure the weight of trees? It's referred to as the log scale. -
- Did you hear about the statistician who took the Dale Carnegie course? He improved his confidence from .95 to .99.
- Why don't statisticians like to model new clothes? Lack of fit.
- Did you hear about the statistician who was thrown in jail? He now has zero degrees of freedom.
- Statisticians must stay away from children's toys because they regress so easily.
- The only time a pie chart is appropriate is at a baker's convention.
- Never show a bar chart at an AA meeting.
- The last few available graves in a cemetery are called residual plots.
- Old statisticians never die, they just undergo a transformation.
- How do you tell one bathroom full of statisticians from another? Check the p-value.
- The most important statistic for car manufacturers is autocorrelation.
- Some statisticians don't drink because they are t-test totalers. Others drink the hard stuff as evidenced by the proliferation of box-and-whiskey plots.
- The Lipton Company is big on statistics--especially t-tests.
- A husband and wife, both statisticians, had the misfortune of passing away within a day of one another. They had always planned to be buried side by side. Unfortunately, the funeral home got them mixed up with another husband and wife with similar wishes. This became known as the first case of split-plot confounding.

Events Calendar 2004-2005

Elyria-Lorain Section 814 ASQ: 2004-05 Event Schedule

Item	Date	Day	Venue	Starts	Organize!	Assist.	Speakers-topics	MaxWell	AAO Stats
EC	13-Jul	T	D&B	530 PM	Marc K		Calandar, SMP, SOA, CD's, Vote on CTSC	n/a	n/a
EC	26-Jul	M	D&B	530 PM	Marc K		Confirm dates and calendars, approved SOA	n/a	n/a
EC	5-Aug	R	Elyria MFG	530 PM	Mike R		SMP review, business plan, Confirm dates and events	n/a	n/a
Reg	25-Aug	W	E-HI	530 ?	Marc K		Section Calandar Kick Off; Networking	Law# 10	Ep # 8
CTSC	14-Sep	T	Great Lakes		Marc K	Mark M	Collaboration meeting with ACS,AIChE,IEEE,ASM,ASME	n/a	n/a
Reg	15-Sep	W	E-HI	6:00 PM	Marc K		Ron Harmon: Thinking Statistically	Law# 11	n/a
Tour	16-Sep	R	Bonne Bell	1-2 PM	Roy D	Kim, Tom	Bonne Bell tour (Westlake) Adv Reservation reqd	n/a	n/a
Civic	1 Sept - 1 Nov				Kim S		ASQ-LifeShare Blood Drive	n/a	n/a
EC	29-Sep	T	Elyria MFG	530 PM	Mike R	Marc K	Submit SMP + Budget to natl; Finalize Dec 8		
Class	5 Oct +	T	L-3-C		Mike H		CQE class: Oct 7-Dec 2 (Tues) UNDERWAY	n/a	n/a
CTSC	12-Oct	T	Flat Iron		Marc K	Mike H	Board of Governors @ Flat Iron	n/a	n/a
Reg	13-Oct	W	E-HI	6:00 PM	Mark M		Ken Murphy: Poka Yoke: Improving quality through innovative error proofing	Law# 12	n/a
Civic	23-Oct	Sat	CSU	2:00 PM	ACS	AIChE	Galileo Players at Cleveland State	n/a	n/a
Workshop	6-Nov	Sat	L3C ?		Mike H	Roy D	4 Hr: "Marketing Yourself to Future Employers"	n/a	n/a
Reg	10-Nov	W	E-HI	6:00 PM	Marc K		Steve Pettyjohn: ASQ & HealthCare	Law # 13	n/a
EC									
Reg	8-Dec	W	D&B	630-1030	EC		Winter Network; Team building Mission @ D&B		
Class	Jan-Feb	tbd	tbd	tbd	Mike H	Marc K	CQT class:	n/a	n/a
Workshop	5-Jan	Sat			Mike R	Mark M	Quality Practicum (RU's) @ Brew Kettle	n/a	n/a
Workshop	January	R	Winery	530?	Tom C		Quality Practicum (RU's) @ J.Christ Winery	n/a	n/a
Reg	12-Jan	W	E-HI	6:00 PM			Mike Crossen aka Mr. Pareto Head	Law # 14	
Workshop	Spring	Sat			Kevin Z	Marc K	8 Hr. Who moved my cheese?	n/a	n/a
Reg	9-Feb	W	E-HI	6:00 PM	Kim S, Mike R		Kim Shumyla: Good Manufacturing Practices Lynn DuPuy: QS-ISO-TS	n/a	n/a
Workshop	Spring				Mike H		LEAN- Practical application	n/a	n/a
EC									
Class	Spring	S			Mike H		Six Sigma Black Belt	n/a	n/a
Reg	9-Mar	W	E-HI	6:00 PM			Ken Street (NASA+SAS): Spectroscopy for Kids and Adults that can Behave like Kids	Law # 15	
Reg	13-Apr	W	E-HI	6:00 PM			Dr Steven Eppell (CWRU): Hierarcgical learning teams	Law # 16	
Tour							TBD	n/a	n/a
Reg	11-May	W	E-HI	6:00 PM	Marc K		Thomas Love (CWRU) Multivariate Control	Law # 17	n/a
EC									
Reg	8-Jun	W	Hi meadow	530 ?	Marc K		Picnic: Saturday ??		
Next	class		community		workshop			rev 10-27-04	

Certification Calendar 2004-2005

Elyria/Lorain Section 814

Certification/Exam Dates

Classes are always offered in conjunction with the certification and require a minimum of 6 students.
If less than 6 students register for a class it may be canceled.

Exam Date	Dec. 4, 2004	March 5, 2005	June 4, 2005	Mar. 6, 2004	October 22, 2005
Registration Date	Oct. 1, 2004	January 7, 2003	April 1, 2005	Jan. 9, 2004	August 19, 2005
Mechanical Inspector Certification (CMI)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Quality Auditor Certification (CQA)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Quality Auditor Certification-Biomedical (CQA-Biomedical)					
Quality Auditor Certification-HACCP (CQA-HACCP)					
Quality Engineer Certification (CQE)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Quality Improvement Associate Certification (CQIA)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Quality Manager Certification (CQM)		XXXXXX		XXXXXX	
Quality Technician Certification (CQT)		XXXXXX		XXXXXX	
Reliability Engineer Certification (CRE)		XXXXXX		XXXXXX	
Six Sigma Black Belt Certification (CSSBB)		XXXXXX		XXXXXX	
Software Quality Engineer Certification (CSQE)	XXXXXX		XXXXXX		XXXXXX
Calibration Technician Certification (CCT)	XXXXXX		XXXXXX		XXXXXX

Placement Section - Current Opportunities

Referred by: Michael Haessly - 440-725-1022

Position	Location	Contact
Director Of Quality	Austin, TX	Ken Alley - 866-277-4049 #214 kenalley@mribaltimore.com
Regional Quality Managers	Atlanta, GA	
Senior Quality Engineer Aerospace Manufacturing	Cleveland, Ohio	Clara Ginn Managing Partner Ginn & Associates P. O. Box 5067 Tampa, FL (813) 645-4224 clara@mriginn.com
Quality Manager	York, Pa	Rick Tyler FEP PLASTICS SEARCH GROUP Divisions of Future Executive Personnel, Ltd Rick@fepsearchgroup.com http://www.fepsearchgroup.com
Corporate Quality Engineer (PI)	Manchester, Mi	
Senior Metal Stamping Quality Engineer For A New Automotive Facility	Western Kentucky	Thanks, Rodney Hosford 850-656-8444 Fax 850-942-2783 Rodney@Mrrecruiter.Com
Compliance Consultant Require 50-60% travel.	Home based (located anywhere in the US)	Patrice Perry, Sr. Recruiter MAGIC BioPharm Resources 3500 Piedmont Road, Suite 110 Atlanta, GA 30305 (404) 233-0925 office (866) 827-5132 X123 office (770) 912-2229 cellular (404) 231-9778 fax patrice.perry@magiccorp.com www.magiccorp.com
Director of Quality Assurance	Undisclosed	Clifton Johnson Associates Suite 725 One Monroeville Center Monroeville, PA 15146 412-856-8000 cj@cliftonjohnson.com
Sr. Quality Engineer	SC	Richard Lodge, SPHR Sr. Executive Recruiter Fortune Personnel Consultants of Charlotte 315 Main Street, Ste. C Pineville, NC 28134 Phone: 704-889-1100 or 1-800-210- 8121 rlodge@fpccharlotte.com www.fpccharlotte.com

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MEETING: November 10th, 2004