



NEW HAVEN SECTION 305 FISCAL YEAR 2007-2008

www.asqnewhaven.org



ASQ New Haven Newsletter

March 2008 Issue

BUSINESS LIFE CYCLE, HOW TO ASSESS & REDIRECT

Organizations grow and age with predictable patterns of behavior. Measuring Organizational Effectiveness should not just cover Financial and Operational data. How people work together, how an organization benchmarks change, and how it responds to market changes are just some of the important aspects of the business life cycle stages. This presentation will cover the various stages of the life cycle, how to assess where your company is, and what are the activities to redirect the direction, if needed. The program will be highly interactive, with things for the attendees to do when they return to the plant or office.



Jack Veale is a nationally recognized consultant, business strategist, and speaker who earned his BS in Business Administration from Norwich University in Northfield, VT and his MBA from Boise State University, in Boise Idaho, and his CMC (Certified Management Consultant) from the Institute of Management Consultants. He is also one of only 100 "Fellows" of the Family

Firm Institute's world membership. Early in his career, Jack was CFO of a high growth, \$100 million International Manufacturing/Trading company by age 30. Jack authored "Creating Strategic Innovation," a workbook that guides companies to sustainable sales growth and profitability. Jack and his group have assisted hundreds of companies in many industries, including Manufacturing, offering solutions with strategic planning, succession planning, corporate governance and crisis management. These activities involve an initial assessment, identifying 119 or 270 different operational,

financial, strategic and cultural issues to determine what the top issues are to tackle. Follow-up implementation assistance is usually encouraged, but not required. They also provide management assistance to emerging growth companies in need of business planning, fund raising, and board formation. Jack is a nationally known speaker on privately held, or family business issues and the challenges their businesses face in this highly competitive environment. He has formed and served on several non-profit and for-profit boards, and has served as President of the Connecticut Chapter of the National Association of Corporate Directors (NACD). He has been a member in many associations including: Institute of Management Consultants, American Society for Quality, Alliance of Mergers & Acquisition Advisors, Family Firm Institute, The ESOP association, the National Center for Employee Ownership, the Connecticut Venture Group, The Attorneys for Family Held Enterprises, Turnaround Management Association, Rotary Club International, Connecticut Chapter of the National Machining and Tooling Assoc., and many other associations. Jack and his wife Laurie have been married 25+ years and have two children.

MEETING CONTACTS AND DIRECTIONS

Jim Petropoulos (203)250-3751 or email:

James.Petropoulos@AtlanticInertialSystems.com;

Bill Folsom: (860)557-1805 or email:

William.Folsom@dcma.mil.

Date: March 19, 2008. **Place:** Brazi's Restaurant.

Time: Networking: 5:30; Dinner: 6:00; Speaker: 7:00.

Dinner: Chicken, Beef or Fish. **Cost:** \$25.00. **RSVP by March 17th!!**

ONLINE RESERVATIONS: www.asqnewhaven.org

DIRECTIONS TO BRAZI'S RESTAURANT

From the North: Take I-91S to I-95S at the Long Wharf Exit #46 for Sargent Drive. Brazi's is behind the Mobil Gas Station across from the ramp.

From the South: Simply take I-95N to Long Wharf Exit #46 and take a left off the ramp. Then take a left at the next light under the highway, then a left down Sargent Dr. Follow the rest of the directions as *From the North*.

ZELEM'S ZINGERS

I stumbled upon this website that spouted out an interesting future that should make the quality of lives better. It talked about our computer world reaching a certain phenomenon called the "singularity." This is the term that mathematicians give to a point when equations break down and ceases to have any useful meaning. The rules change. Something completely different happens.

A simple example of a singularity occurs if you try to divide a number by zero. If you divide by smaller and smaller numbers, the results will be larger and larger numbers. But if you divide something by zero you get infinity, which is not a number in the everyday sense. The equation has broken down.

The idea that there might be a singularity in human development was first suggested by the mathematician Vernor Vinge, and subsequently by others, most notably Ray Kurzweil in his book *The Singularity Is Near*. They argue that if computing power keeps doubling every eighteen months, as it has done for the last fifty years, then sometime in the 2020s there will be computers that can equal the performance of the human brain. From there, it is only a small step to a computer that can surpass the human brain. There would then be little point in our designing future computers; ultra-intelligent machines would be able to design better ones, and do so faster.

What happens then is a big question. Some propose that humans would become obsolete; machines would become the vanguard of evolution. Others think there would be a merging of human and machine intelligence—downloading our minds into computers, perhaps. The only thing we can confidently predict is that this would be a complete break from the patterns of the past. Evolution would have moved into a radically new realm.

But this transition, as major as it would be, would not yet be true singularity in the mathematical sense. Evolution whether human, machine, or a synthesis of the two would continue at an ever-increasing pace. Development timescales would continue to shorten, from decades to years, to months, to days. Before long, they would

approach zero. The rate of change would then become infinite. We would have reached a true mathematical singularity. Kind of gives a new meaning of no time to waste, oh well!

FEBRUARY'S FREE TOUR AT TRUMPF

We were first greeted by the President of Trumpf of Farmington Rolf Biekert, where he gave us a brief history and summary of their products and company. Trumpf is an international company spread out through Europe, Asia and North America which mainly produces state of the art industrial manufacturing equipment. Their main headquarters resides in its country of origin, Germany. Their desire to bring about a high performance product in the competitive global market is foremost on their minds. In the last 10 years Trumpf of Farmington has grown at an incredible rate with several facilities under construction, with more yet to come.

Biekert talked a little about their Lean Manufacturing principles under program they call SYNCHRO. In applying Lean they took upon basic commonsense ideals as they worked production rates and company size. He cited a problem in the past where paperwork often was greater in money, time and accumulation than the product itself. Since the adaption of Lean, paperwork no longer is a tedious time-consuming monster. Part of that success was credited with their information and data analysis system that many of you may know as SAP. SAP has also helped them immensely in organizing and scheduling their production flow, using all sorts of tools along the way.

After the president's talk Annette Doyle and Robert Castonguay gave us a demonstration of three major products, all involving complex lasers for cutting, bending, shaping and measuring. The systems worked with such remarkable precision, cutting fine cuts in sheets of metal, so effective, as not to disturb the position of the sheet or objects being cut. Like slicing through butter the lasers whipped through all sorts of shapes almost too good to be true. It was hard to see where problems could happen, since practically all hang-ups were accounted for, even safety. Surrounding all equipment were these laser beam "fencing" posts, so to speak that if broken stopped all activity.

After the demo we toured the plant starting in the shipping department working backwards to small part assembly. As we passed through each assembly position in the process flow, it was refreshing to see how well ordered everything was. Under each major assembly they placed a set of wheels in order to move their parts along. Using this wheel system it reduced a great deal of waiting

time for tedious overhead crane manipulation. The wheels not only moved the product better, it allowed workers to stay busy with little to no down time.

Throughout each station are various data collection points to assist in their overall performance rating for six sigma and like analyses. Working with Kits and a KanBan system as often and practical as possible, waste and shelf space is optimally controlled.

As we moved along it didn't take a genius to figure out a rather interesting scenario, regarding the types of manufacturing equipment they used. In quite a number of their cutting and bending operation they use their *very own laser machines* to do the job. A company that produces industrial laser machines to make their own machines, pretty neat to say the least. Anyway, if you didn't get over to see Trumpf and how they do what they do, you certainly missed out.

JOB OPPORTUNITIES

QUALITY ENGINEERS

Quality Engineers in Auditing ISO and procedure development Quality Construction oversight and management. Total of 6 to 10 positions. Must have 2 college years of Engineering Min and 5 yrs quality experience. Preferred 4 yr degreed candidates. Starting salaries for any of the three types above \$66,000 to \$78,000 per year. Only exceptional candidates would receive an offer at the top end, normal offer expected at about \$70,000. Work week at 35 hours with some night and weekends but very limited (Normal 8 to 4, 5 days a week) with some flexibility to start and leave times.

For more details consult our website link:

<http://www.asqnewhaven.org/employment.html>

CALL FOR INSTRUCTORS!

ASQ New Haven needs instructors to teach our spring courses, if anyone is interested contact Nick Squegila nsquegilia@snet.net. All courses will be held at Honeywell in Northford. *Please submit:*

1. A bio
2. Topic and length (one half day or full day)
3. Course outline
4. Materials that you will use and their cost
5. Your expected compensation
6. Learning objectives
7. Availability: Day(s) of week, month(s)

EDUCATION CHAIR FEEDBACK

Three seminars are under preliminary planning for late spring 2008. However, in order to put the time and effort into the planning I need to know if there is any interest. Please email me and let know of your interest...No commitment.-- nsquegilia@snet.net

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|-------------------------|-------|
| 1. Value Stream Mapping | 4hrs |
| 2. Process Auditing | 4 hrs |
| 3. ISO 9001:2008 | TBD |

NEW MEMBERS! WELCOME ABOARD!

ANDREI BADEA	IRENE BIHL
DIEGO DUSSAN	LAURA E. FUSCO
RAM P. JHUNJA	EKREM KAVGACI
VICTOR LIXIN LEI	FELICIA PIEL
AZUCENA MUNDEN	RYAN MUNDEN
ALEX QUERMORLLUE	CLIFFORD SEIPOLD
CHRISTOPHER STAAB	CHRISTINE WALL

ASQ PROGRAM SCHEDULE FOR 2008

DATE	TOPIC	SPEAKER	PLACE	COMMENTS
MAR 19, 2008	THE BUSINESS LIFE CYCLE	JACK VEALE	BRAZI'S	
APR 9, 2008	PROTECTION FOR INTELLECTUAL PROPERTY ASSETS	RAYMOND J. HUEY & RICK MICHAUD	CASA NOVA, SHELTON	JOINT MEETING W/SOUTHERN SECTION
MAY 21, 2008	EXPECTATIONS VS. REALITY	JIM ROADY	BRAZI'S	

FOR MORE INFORMATION ON MEETING TOPICS/DIRECTIONS VISIT OUR WEBSITE: WWW.ASQNEWHAVEN.ORG. THE MEETING Cost covers each dinner. If you're only interested in listening to the speaker there's no charge. Non-ASQ Members are welcome at no additional cost.

ASQ New Haven
79 Belmont Street
Hamden, CT 06517

BRAIN TEASER: If a cork is put into a glass of water, the cork will almost always drift to the side of the glass. There is one simple way, however, to get the cork to float in the center of the glass (the horizontal center, not the vertical). What is it? Water, the glass, and the cork are all that is required.

Section Chairman: Jim Zelem (203) 392-3049	<u>BOARD MEMBERS</u>	Placement Chair: Gene Contardi (203) 795-6914
Vice Chair, NEQC Rep. and Education: Nick Squeglia (860) 767-1784		Publicity Chair: William Folsom (203) 387-7280
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Membership, Certification and Audit Chair: Randy Messinger (203) 469-5638		Newsletter Chair: Lawrence Spinello (203) 386-3885
MISSION STATEMENT: "PROVIDE NETWORKING, COMMUNICATION AND DEVELOPMENT OPPORTUNITIES TO SUPPORT KNOWLEDGE, SKILLS AND ABILITIES IN QUALITY PRINCIPLES AND CONCEPTS."		

ANSWER: The reason that a cork drifts to the side of a glass is that it floats to the highest point. Since water "clings" to the glass, the highest point is around the edge of the water. To get the cork to float in the middle of the glass, all you have to do is fill the glass as much as possible. The water will form a convex shape above the glass, with the highest point at its center. This is where the cork will settle.