

SPRING 2022

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Letter From the Chair-Ed May

Greetings and Welcome to the Year 2022:

We survived a very difficult 2021. I am confident that working together we can make 2022 a much better year.

In 2021 we managed to:

- Hold 12 Virtual Executive Board Meetings – with minutes issued.
- Hold 12 Virtual General Section Meetings – each with a Speaker.
- Host the Virtual Spring Quality Conference - featuring 8 speakers, which attracted 220 attendees.
- Bring quality training to clients.
- Update the website – making it more user friendly, communicative and providing content of value to our members.
- Make great use of Constant Contact to notify a growing list of ASQ members of our General Section Meetings and Spring Quality Conference.
- Host a virtual tour of the Makerspace at NJIT and be represented at an on-site tour there.
- Coordinate with ASQ Section 300 Metro.

For 2022, we re-elected myself as Chair, Archana Kakirde as Vice Chair, Linda Lanotte as Secretary and Nick Perez as Treasurer. We continue to be assisted by a dozen excellent board members.

We created a Business Plan and Budget for 2022. The Business Plan includes:

- Expand Voice of the Customer Activities to Attract and Retain Section Members
- Increase the number of Section 304 Members in My ASQ
- Re-establish relationship with student branches at NJIT, Stevens Tech and Rutgers.
- Reinvigorate the Education Committee by publicizing the depth and breadth of in-person and virtual ASQ Certification Preparation Classes and other Quality Oriented Courses offered to individuals and corporate clients.
- Switch back to face-to-face General Section Meetings, at local restaurants, offering an excellent, live or virtual speaker or tour, nine months of the year (subject to the constraints of the Pandemic).
- Hold the Section 304 Spring 2022 Quality Conference virtually, as done in the year 2021.
- Continue to welcome members of other ASQ Sections to attend Section 304 events.
- Continue to improve the Section 304 Executive Board.

Our great hope for 2022 is that we can resume face-to-face activities which bring our members together and add value to members as individuals and in their careers.

Spring Quality Conference

Thursday, April 14, 2022 On Zoom

ASQ Section 304 North Jersey will be hosting its annual Spring Quality Conference on Thursday, April 14, 2022 on Zoom. Mark the date!

Last year's Quality Conference attracted 220 virtual attendees. This year's Conference will, once again, be free to all ASQ Members and non-members. No registration is required. Recertification Units will be offered. Our theme is "Quality still does not have to be taxing".

The Zoom Event will begin at 8:30 AM and end at 5:30 PM. Ed May will be hosting and moderating all day long. Just like last year, there will be one speaker, every hour on the hour. Speakers will speak at 9AM, 10AM, 11AM, 12 Noon, 1 PM, 2 PM, 3 PM and 4 PM. The 9AM Speaker will be the Keynote Speaker. Ed will open the Conference at 8:30 AM and close the Conference at 5:30 PM.

The names of the speakers, their bios and presentation topics will be posted soon. Stay tuned!

Recertification Units

Recertification Units are used by ASQ to recertify people who need to renew their ASQ Certification every 3 years. Instead of taking the ASQ Exam again, people can accumulate RUs over a 3 year period.

These ASQ Certifications require recertification:

- Calibration Technician (CCT)
- Food Safety and Quality Auditor (CFSQA)
- Medical Device Auditor (CMDA)
- Manager of Quality/Organizational Excellence (CMQ/OE)
- Master Black Belt (CMBB)
- Pharmaceutical GMP Professional (CPGP)
- Quality Auditor (CQA)
- Quality Engineer (CQE)
- Reliability Engineer (CRE)
- Software Quality Engineer (CSQE)
- Six Sigma Black Belt (CSSBB)
- Supplier Quality Professional (CSQP)

Recertification by journal with RU credits requires that you obtain 18 recertification units within your 3-year certification period. You may accumulate the 18 RU credits from professional activities that increase your knowledge of the Body of Knowledge or are job enhancing.

These activities include:

- Attend an ASQ Section Meeting
- Attend an ASQ Section Conference
- Join an ASQ Section Committee
- Teach an ASQ Course for your Section
- Take an ASQ Course taught by your Section
- Work in A Quality Related Position
- Earn an ASQ Certification
- Publish a Quality Article
- ASQ Membership itself

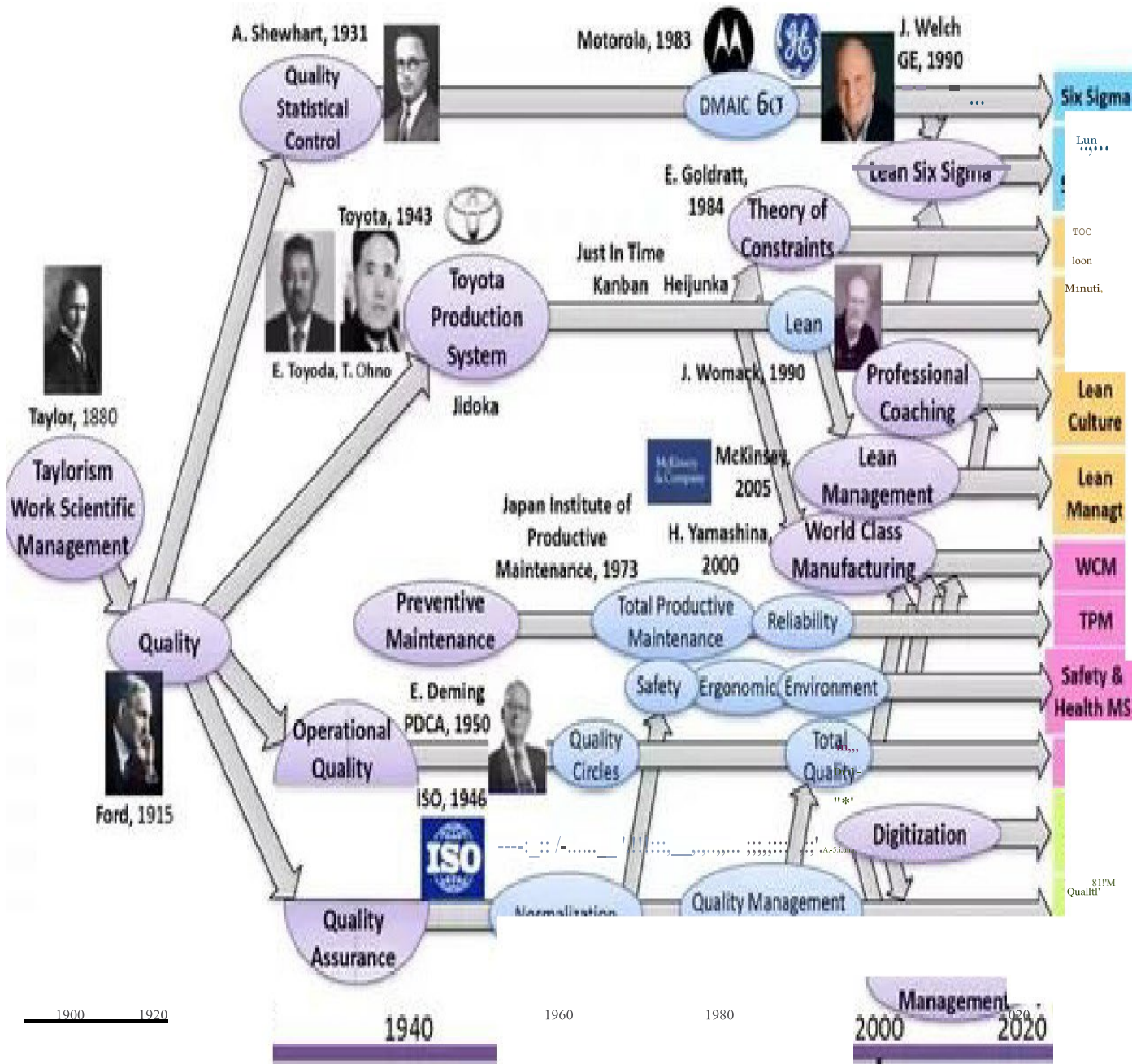
Perspectives On Quality

Adapted from a presentation “A Short History of ASQ and the Quality Profession” by **Roderick A. Munro, November 17, 2021**

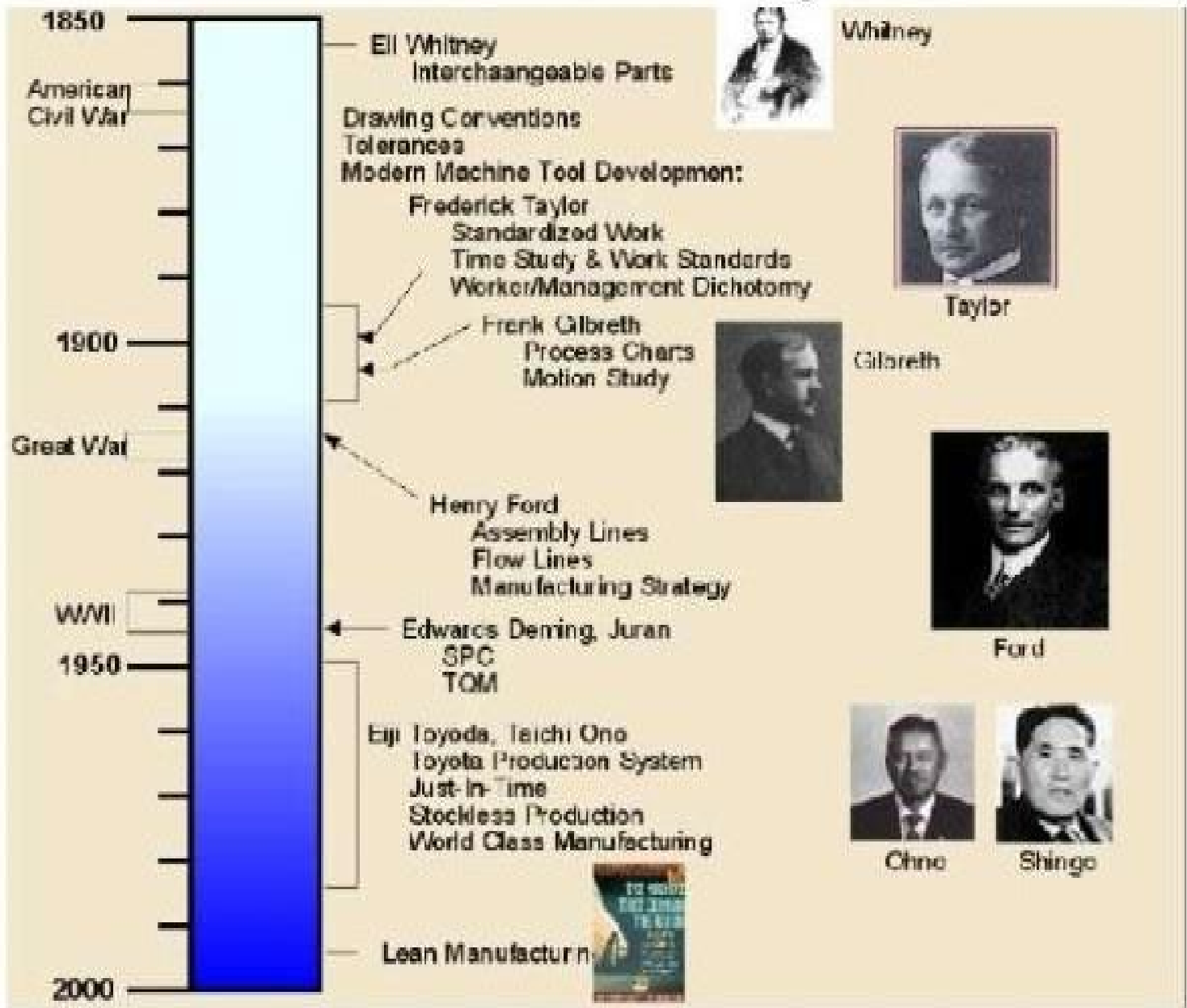
- Juran’s A History of Managing for Quality
- 1750 UK Industrial Revolution – LR 1760
- Fredrick Taylor – Henry Ford
- Shewhart – First Control Chart 5/16/1924
- Hawthorne Plant – Cicero, Illinois
- 1950’s Japan – Deming & Juran
- 1980 – If Japan Can, Why Can’t We
- 1980’s – Quality Explosion in USA
- 1990’s, 2000’s, 2010’s – Future ???
- ISO 9001:TBD

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A Brief History of Lean



History Timeline for Lean Manufacturing



Timeline Details

1924	Walter A. Shewhart, a statistician at Bell Laboratories, developed the control charts, and principles of statistical process control
1925	Sir Ronald Fisher published the book, <i>Statistical Methods for Research Workers</i> , and introduced the concept of ANOVA
1927-1933	Elton Mayo starts the Hawthorne Studies at Western Electric plant in Cicero IL
1930s	Statistical Quality Control (SQC) – application of statistics to quality control
1931	Shewhart publishes <i>Economic Control of Quality of Manufactured Products</i>
1937	Joseph Juran introduced the Pareto principle as a means of narrowing on the vital few
1940	The acceptance sampling plan was developed by Harold F Dodge and Harry G Roming
1943	Kaoru Ishikawa developed the cause and effect diagram (Ishikawa or fishbone diagram)
1944	Industrial Quality Control Vol 1 No 1 July 1944 – Society of Quality Control Engineers with cooperation of the University of Buffalo
1944	Dodge & Roming publish <i>Sampling Inspection Tables Single and Double Sampling</i>
February 16, 1946	The American Society for Quality Control (ASQC) was formed
May 1946	The Union of Japanese Scientists and Engineering (JUSE) established
February 23, 1947	The International Organization for Standardization (ISO) founded Geneva, Switzerland
1947	Dr. W. Edwards Deming was sent to Japan to help Japanese rejuvenate their industries
1948	Shewhart Medal First Awarded by ASQC
November 9, 1949	USA Military Procedure MIL-P-1629, Procedures for Performing a Failure Mode, Effects and Criticality Analysis (FMECA) forerunner to Mil-Q-1629 Procedures for Performing a FMECA (later the FMEA) – 1974, 1977, MIL-STD 1629A:1980



The Top Names in Quality (Above)

ASQC Minutes February 16, 1946

“When the history of the beginnings of quality control development in this country is written, February 16, 1946 will be an important date. On that date representatives of 17 local quality control societies and leaders in the field met at the Edison Electric Institute in New York City for the announced purpose of launching the American Society for Quality Control.”

The North Jersey Section 0304

- Recognized 1964/1965 Membership Year
- 1994 Larry Turbett Memorial Scholarship
- Inspector / Technician of the Year Award
- ASQ North Jersey Newsletter
- Full Slate Of Officers In Website Records
- Active Section Website –

Quality Explosion – Turnaround

June 24, 1980	NBC aired the television documentary "If Japan Can, Why Can't We?" narrated by Lloyd Dobyns – https://www.youtube.com/watch?v=vcG_Pmt_Ny4
1980s	Professor Noriaki Kano developed the Kano model which classifies customer preferences into five categories: Attractive, One-Dimensional, Must-Be, Indifferent, Reverse
1980	QCI International was founded by Donald Dewar
1981	Lancaster Medal First Awarded by ASQC
1981	<i>Quality Digest</i> – first issue published under the title <i>Quality Circle Digest</i>
@ 1981	Eastern Michigan University developing first Master in Quality with Ford Motor Co & W. Edwards Deming
1982	<i>Out of the Crisis</i> , published in 1982, Deming offers a theory of management based on his famous 14 Points for Management
@ 1982	Transformation of American Industry – jointly developed by Ford Motor, Jackson Community College & W. Edwards Deming
1984	The Register of Lead Assessors is created and evolves to the International Register of Certificated Auditors (IRCA)
1984	October is designated National Quality Month by USA Congress
1985	NASA Excellence Award is established
1985	Total Quality Management – USA Department of Defense drive for organizational improvements
1986-1988	Six Sigma formulated by Bill Smith in Motorola
1986	Masaaki Imai established the Kaizen Institute to help Western companies introduce Kaizen concepts, systems and tools
March 15, 1987	ISO issued the first version of the ISO 9000 series. (ISO 9001:1987)
1987	Malcolm Baldrige National Quality Award was established.
1987	<i>Quality Circle Digest</i> drops "Circle" from its name to become <i>Quality Digest</i>
1988	ASQ Certified Quality Auditor established
1988	ISO 9001:1988 Quality management systems – Requirements – 2 nd 1994, 3 rd 2000, 4 th 2008, 5 th 2015, 6 th 2022
1988	Motorola becomes the first company to win Malcolm Baldrige National Quality Award
1988	Ford Motor Company created Supplier Quality Improvement (SQI) – first pre-launch supplier program in the USA (tied to APQP) – merged with SQA in 1993

Items Of Note

2015	ISO issued the ISO 9001:2015 & ISO 14001:2015 under Annex SL
2015	ISO 9001:2015 Quality management systems - Requirements
2016	International Automotive Task Force (IATF) - IATF 16949:2016
2015	ISO 14001:2015 Environmental management systems - Requirements
2017	The CQI launches the inaugural International Quality Awards
2017	Hromi Medal First Awarded by ASQ
2018	ISO 45001:2018 Occupational Health and Safety management systems - Requirements - replaces OHSAS 18001
2019	ISO 22301:2019 Security and resilience - Business continuity management systems - Requirements released
2020	COVID-19 world wide pandemic - things become more virtual

Ed May Bio Spring 2022

Ed May is an American Society for Quality Certified Six Sigma Black Belt (ASQ CSSBB), Certified Manager of Quality / Organizational Excellence (CMQ/OE), Certified Quality Engineer (CQE), Certified Quality Auditor (CQA) and Certified Supply Quality Professional (CSQP) who spent several decades in the manufacturing industry before establishing himself in 2001 as a quality consultant, adjunct professor and on-site instructor. He is an ASQ Senior Member, nominated for Fellow Status, who joined ASQ in 1989.

At Section 304 Ed has served as Scholarship Chairman, a member of the Education Committee, and a member of the Spring Quality Conference Committee. He has taught various Quality and Certification Courses at company locations. Ed has been a frequent speaker at Section General Meetings and at the Spring Quality Conference. Ed is serving as Chair of ASQ Section 304 North Jersey for the years 2021 and 2022.

Before becoming a quality consultant, Ed held various positions in engineering, manufacturing, and quality management in local manufacturing companies. For the last dozen years, Ed has taught courses in Business, Quality Systems and Statistics for the

School of Management and the Engineering Technology Department at NJIT. He teaches Six Sigma Courses for NJIT's PDEE Professional Development & Executive Education.

Ed's consulting company, MAYplewood CONsulting, specializes in conducting internal audits for ISO 9001, AS 9100, ISO 14000, ISO 22716, etc. Ed earned his BE from Stevens Tech and his MBA from Harvard Business School. Ed brings a unique combination of academic rigor and real world experience to his students and clients. His passion for Quality is well known.

Letter From The Editor

It is with great pleasure that we present to you, the membership, a continuation of our chapter newsletter presented quarterly. This edition after a few years of hiatus presents historical background of the ASQ and our chapter. In the future we plan to have more detail on upcoming events, background on members and articles prepared by the membership.

Feel free to forward to me your comments, articles for inclusion, additional topics that you would like to see in the newsletter. As we adjust to the changes in the pandemic, we wish you a very safe and healthy season.

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