

A Century of Quality

1904

- December 24, Joseph Juran born in Braila, Romania to Jakob and Gitel Juran.

1905

- March, Sadie Shapiro (wife) born.

1909

- Jakob Juran arrives in Minneapolis

1912

- August, the rest of the Juran family leaves Europe through the port of Antwerp, Belgium to Quebec.
- August 22, the Juran family enters the United States. Take up residence in Minneapolis.
- Joseph Juran (henceforth referred to as Juran) begins schooling at the Prescott School.

1913

- Juran works as a newsboy, selling the 'Tribune' in the morning and the 'Journal' in the afternoon; as a shoeshine boy roving the streets; as a grocery clerk.

1914

- *World War I begins in Europe.*

1915

- Juran works at an ice-house as bookkeeper.

1916

- Juran works as a packer at Boutelle Brothers.

1917

- Family moves to 2916 East 25th Street, Minneapolis, replete with indoor plumbing and toilets.
- Juran becomes a US citizen.
- Works as an errand boy for State Prohibition Commission.
- *United States enter World War I.*

1918

- *World War I ends.*

1920

- Juran graduates from high school in the June Division, as one of 20 honour students from a class of 226.
- September 4, mother dies at age 40.
- Two younger sisters are placed in orphanage.
- Jakob Juran operates a shoe repair shop.
- Juran enters University of Minnesota as electrical engineering student.

1921

- Takes chess championship at University of Minnesota.

1922

- Juran works as an electrician's helper at CB&O Railroad.
- *Vilfredo Pareto dies.*

1924

- June, Juran graduates from University of Minnesota with BS in Electrical Engineering.
- Starts at Hawthorne Works.
- Assigned to Inspection.
- Meets Sadie Shapiro at train station.

1925

- June 26, marries Sadie Shapiro.
- Juran is commissioned into Signal Reserve.

1926

- Begins to apply SQC to manufacturing.

1928

- Juran writes pamphlet, 'Statistical Methods Applied to Manufacturing Problems'.
- Designs training course at Hawthorne.

1929

- Promoted to 'Supervisor of engineers doing inspection staff work involving time study, job evaluation, wage determination, budgeting, application of theory of probabilities to inspection practices, quality audits'.

1931

- January 2, father dies of a heart attack.
- Promotion. Supervises 'engineers engaged in investigation of shop difficulties, customers' quality complaints and disposition of defective products. Also supervision of time study, job evaluation, and wage determination work.'
- Begins attending Loyola University to study law.

1932

- *Worst year of Depression. Layoffs at Hawthorne Works.*

1934

- Promotion. Supervises 'inspection of purchased materials and of electrical laboratory.'

1935

- Juran receives a JD degree from Loyola University.

1937

- Promoted to head of Industrial Engineering Department. Responsible for all factories of the Western Electric Co.
- Moves to corporate headquarters in New York.
- Articulates Pareto Principle.

1941

- March 11, Office of Lend-Lease Administration (OLLA) established.
- *December 7, Pearl Harbour attacked.*
- December 25, Juran asked to serve temporarily as Assistant Administrator for the Lend-Lease Program in the Foreign Economic Administration.
- *US enters World War II.*

1942

- May, cross-functional team at OLLA begins to meet.
- October, the committee makes its report.

1943

- Juran helps prepare report on OLLA activities to Congress.
- Begins to plan his new career.

1945

- July 3, Juran resigns from Western Electric.
- September 1, leaves OLLA. Serves as professor and chairman of Department of Industrial Engineering at NYU.
- *World War II ends.*
- *Occupation of Japan begins.*

1946

- Consults with Gillette.
- *Japanese Union of Scientists and Engineers (JUSE) forms Quality Control Research Group.*
- *American Society for Quality Control is founded.*

1947

- *W Edwards Deming invited to Japan by Supreme Command for the Allied Powers (SCAP) to help in the 1950 consensus.*

1948

- Juran lectures at Sweden's Royal Institute of Technology.
- *Peter Drucker advises GM to get into quality.*

1949

- Teaches course at NYU: 'Management of Inspection and Quality Control'.
- Creates course on 'Managing for Quality' through AMA.

1950

- Quits NYU.

1951

- 'Quality Control Handbook' published by Mc Graw-Hill.
- *First Deming Prize awarded in Japan.*

1952

- Juran is invited to visit Japan by Kobayashi, at ASQC meeting in New York.
- *American occupation of Japan.*

1953

- Juran visits Australia and conducts a series of lectures.

1954

- July-August, Juran delivers lectures in Japan.
- Receives Alumni Medal, University of Minnesota.

1956

- Publishes 'Lectures in Quality Control' (in Japanese).

1960

- Publishes 'Lectures in General Management' (in Japanese).

1961

- Receives Edwards Medal from ASQC.
- Receives Scroll of Appreciation from JUSE.

1962

- Second edition, 'Quality Control Handbook' published.

1964

- Publishes 'Managerial Breakthrough', McGraw Hill.

1965

- Tells an audience in Stockholm that Japanese will achieve world leadership in quality within two decades.

1968

- Receives Medal of Technikhaza, Esztergom, Hungary.
- Named Honorary Member of ASQC.

1970

- Publishes 'Quality Planning and Analysis' (with Frank M Gryna), McGraw Hill.

1974

- Third edition of 'Quality Control Handbook' published.
- End of CCS seminars in Japan.

1975

- Juran estimates that Japan draws even with US on quality.

1976

- Addresses Institute of Quality Assurance at Imperial College, London University.

1979

- Founds the Juran Institute. Serves as chairman. Creates and markets 'Juran on Quality Improvement' videos.

1980

- Estimates that Japan is ahead of the US on quality.
- June 24, 9:30 pm "If Japan Can... Why Can't We?" broadcast on NBC.

1981

- Receives the Second Class order of the Sacred Treasure from Emperor Hirohito.

1983

- Inducted to AMA Wall of Fame.

1986

- Founds the Juran Foundation and serves as chairman.
- Testifies before Congress in regard to establishment of Malcolm Baldrige National Quality Award.
- Begins four-year service on the Baldrige Board of Overseers.
- *Malcolm Baldrige National Quality Award established.*

1987

- Becomes chairman emeritus of the Juran Institute. A. Blanton Godfrey named chairman.

1988

- Fourth edition of 'Quality Control Handbook' is published.

1989

- Publishes 'Juran on Leadership for Quality: An Executive Handbook', Free Press.

1992

- Receives National Medal of Technology for Technology Management in ceremony with President George Bush. Cited for 'development of key principles and methods by which enterprises manage the quality of their products and processes'.
- Publishes 'Juran on Quality by Design', Free Press

1993

- Third edition of 'Quality Planning and Analysis' published.

1995

- Publishes 'A History of Managing for Quality', ASQC Quality Press.

2004

- Publishes 'Architect of Quality', McGraw Hill.
- July, Indian Merchants' Chamber honours Juran.
- December 24. Dr Joseph M Juran is 100.

2005

- March, Sadie Juran is 100.

2008

- February 28, Dr Joseph M Juran trans-migrated.