

Montreal Section 0401 Newsletter

November 1995

Volume 47 Issue 3

Chairman's Message

Sam Weissfelner - Chairman, Montreal Section

s this issue of our Newsletter goes to press, I am happy to report another successful Satellite Broadcast for Quality Month, 1995. The ASQC Montreal Section (0401), and Section Québecoise (0404), as well as the Association for Quality and Participation (AQP), combined their efforts to make this event a full day of interesting speakers and presentations. I would like to take this opportunity to commend Chuck Altman and his associates for the time and effort contributed to make this event the success

A second item of interest I wish to report on concerns the continuing efforts that are underway to establish within Canada an independent association to certify and register quality auditors. A survey distributed earlier this year through the Ottawa Section of ASQC has helped to determine the level of interest for this project. Presentations are now to be made to the Standards Council of Canada and Industry Canada, to obtain the necessary national support to make this exercise a reality. I will continue to keep you informed of developments in this area as they occur.

I'd like to close my column this month with a note to our members concerning some of the various committees that your section supports. Our ISO Committee and Newsletter staff are currently looking for additional support to help out in some of their activities. If you have some background in either of these areas, or if you simply wish to become more involved with some of your section activities, please do not hesitate to contact me directly. We'll be sure to put your talents to good use o

CQE, CQA & CQM refresher courses

David Tozer, Chair Education

his year as in the past, the ASQC (Montreal Section) will be sponsoring refresher courses in preparation for the March CQM and the June CQE, CQA exams.

Courses will start 1 January 1996 for the CQM and will start the 31 January 1996 for CQE and CQA. Course leaders will be:

- Chuck Altman—CQM, 630-4877
- Gilbert Coll (QMI Accredited)—CQA, 695-3310
- Dr. David Tozer—CQE, 694-2830

To register, please complete the form on page 4 of this Newsletter or contact one of the people indicated above.

Courses will be held at MacDonald College, Ste.-Anne-de-Bellevue and the deadline for registration is 20 December 1995. The course costs and schedules for the courses

(Continued on page 3)

Quality month - what happened?

Charles Altman - Chair - Quality Month

it was.

his year's Quality Month conference (an all-day event held October 26, 1995) in Montreal was attended by both seasoned professionals and by students new to the quality field. The speakers and their topics were interesting and presented a series of new methods and some things to consider

when implementing, and more importantly, when maintaining a quality system. The satellite broadcast was seen by an estimated audience of over 250,000. My special thanks to Lorne Zakaib, Nathalie Fortier, Youssef A. Youssef and Bernard

Lamarre for being our speakers. A special thanks also to Mr. R. Papineau—DG of Ecole Technologie Superieure for the use of the school's facilities. The comments that were overheard from participants were most

favorable and so we are pleased to have provided another successful event. This event was the first collaborative effort in which the Montreal Section, the Section Québecoise and the Association for Quality and Participation (AQP) worked together. Judging from the results, we expect that it will not be the last.

One question that was asked more than once by many of the participants and organisers alike was, "How come there are not more quality professionals here?"

If you were one of the people not attending this important

event in our calendar, then the question can only be answered by you. Mr. Zakaib, in his presentation used the phrase, "Leaders must walk the talk". You will have to decide yourselves whether or not you do!

Would you like to make a difference?

9

Due to some of our members moving away from the Montreal area, we have some vacant seats on the ISO

Committee Executive at need to be filled.

We are in the process of recruiting new members for the Montreal Section Committee and would like you to join. Join our ISO team and help us make а difference. For more information please contact Roger Guitar at (514) 699-1134_Q



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AMERICAN SOCIETY FOR QUALITY CONTROL MONTREAL SECTION (0401)

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OFFICERS 1995/96

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Charles CHEUN

SMP Coordinator: Douglas MORGAN

Quality Month& Koality Kid: Charles ALTMAN

Awards: Jean-Pierre AMIEL

Liason with Section Québécoise: Gilbert COLL

Director: Youssef YOUSSEF Due to the tight timing - we are providing advance notice of information that you can schedule your time for the

DECEMBER EVENT

WHAT: A discussion on "The New Quality Professional" with guests: Lionel Hervieux—Director, Quality, STCUM-CEM; Douglas Morgan—KRAFT, General Foods; Gerry Davidson—Quality Management Consultant, LEYCOM Inc.

Over the past 10 years there have been many changes in the application of quality in industry. We have evolved from organised quality control, to quality assurance and more recently to quality management systems. These systems all have one thing in common—people. However, these systems do not share the same philosophy regarding how to best work with people, especially in the area of the quality professional.

Total Quality Management (TQM) concepts recognise that other strategic areas of a company have an impact on the quality of the end product as well as future sales. At the same time there has been a move towards downsizing large businesses, reducing middle management and outsourcing any services. This means that quality professionals are no longer the only people promoting quality as a means of survival or evolution of a company. Both management and quality professionals are now expected to be involved in team building, motivation and problem solving activities as well as financial concerns.

Questions we'd like to ask our guests include:

⇒ What impact do these changes have on the individuals working in the primary areas of quality?

⇒ What is the profile of the new quality professional?

⇒ What is really their role in the organisation?

⇒ What are the tools that will have to have or acquire?
 ⇒ What future changes in the organisation will affect them and their role(s)?

WHEN: December 12, 1995. 18h00.

WHERE: Dorval Airport Hilton.

CONTACT: Paola L. Hawa, Chair of Programs and Arrangements, to confirm your participation or to get

more information at (514) 695-5541.

DEADLINE: Receipt to RSVP by December 8, 1995.

COST: This event will cost \$25.00 and includes a hot and cold buffet. NOTE: payment in cash or

check required at the door.

"I sometimes give myself admirable advice, but I am incapable of taking it."

-Mary Wortley Montagu

Introducing new courses in Environmental Management using DIS/ISO 14000

developed and presented in collaboration with experts, Envirotest & Enviro-conseil

Also announcing a new partner in training; TRISO International will present Accademia Qualitas courses in Ontario.

For more information, (514) 333-5767



Accademia Qualitas



(Continued from page 1) are as follows:

b organisational structures

c quality functions

e management styles

d change agents

- CQM \$600.00 per person, 2 hours per week for 8 weeks. Courses will be held on Thursdays.
- CQE \$800.00 per person, 3 hours per week for 10 weeks. Courses will be held on Tuesdays.
- CQA \$600.00 per person, 2 hours per week for 8 weeks. Courses will be held on Wednesdays.

Cheques are to be made payable to 'ASQC Montreal Section'. A full refund will be made for cancellations made up to two weeks prior to the first seminar. All other cancellations will be made but will include a \$50.00 cancellation charge. The course material covered for each of the courses is indicated below.

CQE Course b quality guidelines b determination of insp. points b corrective action Probability and Statistics c budgeting for quality kinds of inspection follow-up and close out of building quality into design **Fundamentals** interpreting results corrective action a presentation and description procurement quality function corrective action d types of audit of data in-process and finished selection and training of Reliability, Maintainability and b principals of probability product **Product Safety** personnel Quality Management and Product c discrete prob. distributions purposes of testing a basic concepts continuous distributions Liability method of inspection b product design, development inspection and test planning functions testing equipment and production sampling distributions nonconforming material test data maintainability customer complaints Quality Cost Analysis statistical inference d product safety h regression and corr. analysis educ. & training for quality a definition of quality cost areas e software Statistical Quality Control product liability law and planning or quality cost Quality Information Systems prevention a control charts programme a planning the system software reliability b acceptance sampling cost data collection and b accuracy and precision **Experimental Design Techniques** functional concepts Metrology Systems tabulation standards and traceability a basic concepts trend analysis and corr. action d role of the computer metrology control systems & b one factor experiments business reports to mgmt. Motivation and Human Factors requirements frequency of defects vs. c Taguchi methods a quality motivation - employees Quality Planning and measurement techniques quality costs human factors approach d basic equipment available quality cost impr. systems c motivation and workmanship Management Inspection and Testing Methods Quality Auditing a total quality control concept basic principals of industrial a classification of characteristics psychology o a auditing prod. & syst. quality b audit protocol scoring checklist **CQA** Course o auditee rights Certification Overview auditor professionalism m non-scoring checklist Audit Report and Follow-up auditor competence checklists & records a certified auditor exam a management principals communications (listening, b code of ethics functional checklists quality functions independence) Introduction to Quality Auditing developing checklists quality objectives observation q checklist examples a auditing terms and defs. quality considerations b pure auditing terms objectivity **Audit Performance** time management judging a responsibilities h inspection principals (purpose c additional definitions of inspection, seriousness d audit overview pitfalls opening meeting e audit purpose and benefits planning and preparation use of checklists classifications) a audit planning verification sampling principals (MIL-STDaudit philosophy audit authority h types of audits (system, е interviewing 105E, MIL-STD-414) process, product, int/ext) auditing costs audit tools statistical concepts (central organisational audit training field inspection tendency, process capability, third party audit audit scheduling discovery sampling j specific objective audits probability distributions) notification of audit sample inspection control charts (types of general audit matrix tracing & flowcharts system audit matrix audit preparation charts, interpretation rules) h organisational team selection caucus meetings problem solving m ISO9000/Q90 standards n ISO10011 synopsis functional team selection observations and findings brainstorming audit team preparation m post audit preparation u process flow charts Auditor Skills & Conduct k organisational checklist g pareto diagrams o exit meeting a auditor responsibilities **CQM Course** business functions customer partnerships leadership responsibilities **Quality Standards** g internal communcations customer techniques quality staffing issues a Malcolm Baldridge Award Strategic Quality Planning multi-customer management job descr. responsibilities C b ISO standards a quality plan conflict resolution team empowerment c total quality management system variation customer retention team formation and evolution d continuous improvement quality function mission **Project Management** team management e cycle time reduction quality function priority a project panning Training and Education b project implementation re-engineering org. performance goals a top down support quality principals and policies g supplier management Continuous Improvement strategic planning h customer service g resource requirements a quality improvement tools training subgroups & topics Organisations and their Functions Customer Satisfaction and Focus quality costs training needs c trend analysis a organisational assessment a types of customers post training evaluation

process improvement

Human Resource Management.

process mapping

f measurement issues

classic training tools

technical training tools o

b customer driven organisation

c customer expectations

d customer relationships

e customer identification

A Warm Welcome to our New ASQC Members

Denis Martin - Chair membership

	START	
NAME	DATE	COMPANY
Gerald A. Baillargeon	September 1995	Inst. of Quebec & Trois Riviere
Yves Bouffard	September 1995	Projean Inc.
Sylvain Boulanger	September 1995	Canstar Sports Inc.
Susan J. Filipcic	September 1995	Dupont Canada
Lucia Fusaro	September 1995	Concordia University, EDP
Jean-Marie Gonthier	September 1995	Hydro Quebec
Ada Mourelatos	September 1995	Met-Chem Canada Inc.
Mihai Stanoiu	September 1995	National Tool Hardening
Philip Wong	September 1995	Northern Telecom
Singu Babu Yerra	September 1995	Concordia University

New publications from the ASQC Quality Press

Integrating Reengineering with Total Quality, by Joseph N. Kelada, 1996, 481 pages, 6" x 9", hardcover, item H0896, Member price \$36.00, list price \$40.00, available November 15, 1995.

ISO 9000 for Software Developers, Revised Edition, by Charles H. Schmauch, 1995, 167 pages, 6" x 9", hardcover, item H0901, member price \$40.50, list price \$45.00.

The Best on Quality, Volume 6, John D. Hromi, editor, 1995, 372 pages, 6" x 9", hardcover, item H0897, Member price \$38.50 list price \$43.00.

Eight-Step Process to Successful ISO 9000 Implementation: A Quality Management System Approach, by Lawrence A. Wilson, 1996, 358 pages, 6" x 9", softcover, item H0878

Quality Award for Canadian

Reprinted from India Abroad- New York, NY

adhav Sinha, a technical development officer with the Manitoba Department of Labour in Winnipeg, Canada, was selected this year by the American Society for Quality Control (ASQC) the recipient of its Eugene L Grant Award.

He was cited for his significant and many years of extensive contributions in develop-

ing and teaching several total quality management curricula for government, industry and academia. Sinha was honored at a special ceremony of the ASQC's Annual Quality Congress on May 22 in Cincinnati. Ohio, attended by over 5000 quality professionals from 40 countries around the world.

ents of the award have included management gurus such as the Americans Joseph Juran and Harold Hodge, and Japanese Kaoru Ishikawa and Yoshio Kondo o



\\	demoer price \$31.50, list price \$35.00, available November 15, 1995	
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:	Registration Form	
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÷	3383 boul des Sources,	
÷	Dollard des Ormeaux, Quebec,	
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ISO 9000 TRAINING FOR SERVICE ORGANIZATIONS



SGS International Certification Services Canada Inc.

SGS International Certification Services Canada Inc. is proud to announce its ISO 9000 course for Service Organizations.

SGS ICS Canada Inc., a wholly owned subsidiary of SGS Canada Inc., offers assessment, registration, and training services to the ISO 9000 Series of Standards, environmental standards and QS 9000. SGS ICS Inc. has affiliated offices in 59 countries covering North America, South America, Europe and the Asia-Pacific Rim. Worldwide, we have Registered over 4000 companies.

WHO SHOULD ATTEND:

Service Organization personnel who are involved in the development and implementation of a Quality System. The course is valuable to Executives, Quality Managers, ISO 9000 Co-ordinators and Quality professionals.

OBJECTIVES:

This 2 day course provides an overview of the ISO 9000 Series of Standards, the benefits to Service Organizations and the interpretation and application of ISO 9000 using ISO 9004-2: Guidelines for the Service Industry.

CONTENT:

- → ISO 9000 Series of Standards
- → Interpreting and applying ISO 9000 using ISO 9004-2
- ♦ Benefits to Service Organizations
- ◆ Documentation and implementation of the Quality System
- ♦ The Registration process
- ♦ Evaluating a Registrar's experience in the service sectors

COURSE FEE: \$795.00 + GST

For more information or to reserve space, please contact Donna Jarvie, Training Administrator.

Call Toll Free: 1-800-636-0847

Please see schedule for course dates and locations.



Suite 300, 5925 Airport Road, Mississauga, Ontario L4V 1W1

Phone: (905) 676-9595 Fax: (905) 676-9519



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ISO 9000 Quality Systems Training

Call 1-800-636-0847 for a complete brochure of our Courses.

Internal Auditor	\$795.00*
November 14th - 15th	Toronto
December 4th & 5th	Toronto
December 6th & 7th	Vancouver
7 - 8 décembre en Français	Montréal
December 14th & 15th	Kitchener/Waterloo
January 17th - 18th	Toronto
February 5th - 6th	Toronto
12 - 13 février en Français	Montréal
March 4th - 5th	Toronto
March 14th - 15th	Montreal
April 3rd - 4th	Toronto
April 9th - 10th	Montreal
April 11th - 12th	Kitchener/Waterloo
15 - 16 avril en Français	Montréal
May 2nd - 3rd	Toronto
June 6th - 7th	Kitchener/Waterloo
August 15th & 16th	Vancouver
21 - 22 ao û t en Français	Montréal
September 5th - 6th	Kitchener/Waterloo

Quality Systems Docume	entation	\$645.00
November 15th & 16th	Vancouv	er
December 6th & 7th	Toronto	
December 12th & 13th	Kitchene	r/Waterloo
February 1st - 2nd	Kitchene	r/Waterloo
March 11th - 12th	Kitchene	r/Waterloo
April 17th - 18th	Vancouv	er
June 3rd & 4th	Montrea	l

l	Lead Assessor, IRCA/RAI	3	\$1495.00*
-	20 - 24 novembre en Français	Montréal	
	November 27th - Dec. 1st	Toronto	
	December 4 - 8	Montreal	
	December 11th - 15th	Vancouver	
	January 22nd - 26th	Toronto	
	Jan 29th - Feb 2nd	Montreal	
	February 19th -23rd	Toronto	
	Feb 26th - Mar 1st	Montreal	
	March 18th - 22nd	Toronto	

ISO 9000 F	or The Sei	rvice Sector	\$795.00*

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November 16th & 17th	Kitchener/Waterloo
December 18th & 19th	Montreal
February 14th - 15th	Toronto
February 14th - 15th	Vancouver
March 13th - 14th	Kitchener/Waterloo
April 1st - 2nd	Toronto
April 25th - 26th	Toronto
April 29th - 30th	Montreal
May 7th - 8th	Vancouver

*GST will be added to all prices
Eligible for SQDM credit, Reg#: 06F102700-1



Additional Courses Offered

TickIT Lead Auditor Course
Date(s) to be Announced

- Introduction to BS7750 Environmental Standard
- ISO 9000 Executive Overview
- Introduction to TickIT

All of our courses can be customized for in-house presentations.

Please contact Donna or Jim in the Training Department at:



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TQM Transforms the Classroom

REPRINT - Management Review, September 1995, article by Martha H Peak

This is the first of a continuing four-part series on quality in the classroom.

W

hen asked to name the greatest problem facing America today, most business executives respond that our

young people are not receiving the training necessary to be the "knowledge workers" who will keep our businesses and our nation globally competitive in the 21st century.

Responding these concerns, America has made a tremendous effort to improve · public education. Over the past 50 years, we have pumped increasing sums of money, hired more administrators, adopted new social strategies and then waited a decade to review the results before repeating the same tactics. "Obviously, we must be working on the wrong things," said Lloyd Dobyns, a writer who specialises in the quality movement, at the Fourth National Governor's

Conference for Quality in Education last spring in Albuquerque.

Instead of repeating the old fixes, the nearly 1,000 educators at the conference were invited to put aside conventional wisdom and "reinvent" their schools: "imagine that your school was destroyed tonight and you had to rebuild it tomorrow," said Dobyns. How would you design it? The answers at the conference ran the gamut:

- Rethink class arrangement: "We divide students into 'manageable' classroom groups for administrative reasons, not learning ones." said teacher and quality innovator David Langford. The traditional cookie-cutter school layout was developed in the Industrial Revolution after the factory model, when students were needed to fill low-skilled jobs on the production line. It was not designed to teach high-level skills.
- Rethink the curriculum: Not only is our curriculum another Industrial Revolution holdover; it is also highly arbitrary. According to Langford, algebra is taught prior to geometry because turn-of-the-

century educators made the decision based on alphabetical order.

Rethink our assessment mechanisms: A students ability to choose between multiple choice options on a test does not translate into the kinds of creative thinking skills needed today. Standardised exams are coming under increasing attack as not in

BRIEFCAS

Consider the

dichotomies in

American public

⇒ We urge students to get their

high school diploma, but businesses

that hire low-skilled labor make little

distinction about the degree in their

⇒ We ask teachers to teach sex education

and values education, and then complain

⇒ We complain that schools are not

graduating young people prepared for the

workforce, yet judge schools by their

college acceptance rates, not the number

of their graduates who are job-ready.

that they don't teach the "basics".

school policy:

hiring practices.

sync with the knowledge-base of our increasingly diverse student body; some top colleges are beginning to phase out use of the SAT.

- · Rethink the class calendar: the ninemonth school calendar is another holdover from an agrarian economy in which children were expected to take part in farming activities. Today, public-school children need afternoon and summer programs that will bring their daily schedules more harmony with those of their working parents.
- Rethink the daily schedule: Forty-five minute classes mean that a great deal of time is spent taking attendance and moving between

classes and less on actual teaching. Many innovative schools are experimenting with fewer, longer class periods.

It's no coincidence that discussions echo the interest on "reinvention" now under way in

American business After all, many corporate leaders have proved willing to provide money and expertise in their own communities to public help our education system, and it is inevitable quality processes that had helped effect change the business community would be transferred to the educational landscape. It is also inevitable that the same reasons that TQM is less than a "magic bullet" in business mean that quality processes cannot cure all the ills of our public school system.

But progress is being made, and adherents claim that these quality processes can improve education in these ways:

Town or the last

TQM OFFERS A SYSTEMATIC APPROACH TO PRACTICE CONTINUOUS IMPROVEMENT.

This means that TQM educators are not working alone, but can draw on the full participation of all stakeholders in the school—students, parents, teachers and administrators, and the business people who hire the graduates.

TOM PROVIDES A SET OF STATISTICAL TOOLS for uncovering the causes of low test scores or high dropout rates. Using quality methodologies, educators can uncover and deal with the root causes of these problems rather than try to "fix" the outcomes.

TQM DEMANDS QUALITY WORK.
While this may seem obvious, it has farreaching consequences in the
classroom, because it means that the quantity
of a student's work is no substitute for the
quality of that work. This means that
completing two well-thought-out assignments
can teach the student more than a half-dozen
quickly prepared ones.

TQM PROVIDES A COMMON VOCABULARY FOR EDUCATORS AND BUSINESS EXECUTIVES.

Except that educators have rewritten the third segment of W. Edward Deming's Plan-Do-Check-Act cycle so that it now reads Plan-Do-Study-Act, business executives and educators can "talk TQM" using a common vocabulary. this is critical if business professionals are to get involved in school improvement processes.

Next issue - "Johnny Appleseed" the growth of quality processes in public schools o

POSTE DISPONIBLE

PYRAMID TRANSIT

Directeur Assurance Qualité

Division manufacturière d'une multinationale européenne réputée dans le domaine du transport recherche un spécialiste pour prendre en charge la gestion de son Système Assurance Qualité. Le candidat choisis aura comme premiers défis d'implanter les normes ISO 9002.

Qualifications:

- Ingénieur bilingue ou équivalent.
- Expérience en Assurance Qualité.
- Connaissances des Normes ISO 9002.
- A du leadership et aime relever les défis.

Faire parvenir votre CV au:

Relations Humaines de Pyramid Transit 2070 Route TransCanada, Dorval, H9P 2N4

Nous ne communiquerons qu'avec les personnes sélectionées pour entrevue.

NOVEMBER EVENT

WHAT:

"You've got to be crazy to be in quality", A dinner talk by Michel David.

A study of recent research on social behaviour indicates that the principals upon which ISO-9000 Quality System Standards are based might be counter-cultural to North American values and training. At the same time, customer satisfaction studies now indicate that your most loyal customers are the ones that have had problems with you in the past. The presentation will elaborate on these two principals and other interesting facts, that when all taken

together will lead any sane person to conclude that "You've Got To Be Crazy To Be In Quality".

WHEN:

November 21, 1995. 18h00.

WHERE:

Dorval Airport Hilton.

CONTACT: Paola L. Hawa, Chair of Programs and Arrangements, to confirm your participation or to get more information at

(514) 695-5541.

DEADLINE: Receipt to RSVP by November 17, 1995.

COST:

This event will cost \$25.00 and includes a hot an cold buffet. NOTE: payment by cash or check at the door

DECEMBER ----- The New Quality Professional

JANUARY -----ISO 9000, Second Round Table

FEBRUARY ----- Software Quality MARCH -----Ouality in Government

-General Assembly - Award night -Team Problem-Solving Olympics

For more on the coming events; locations, times, costs, and details of the events themselves, keep an eye on this area of the Newsletter. We will make every effort to keep you advised of what is coming up in plenty of time for you to plan your schedule so that you can participate.

3383 boul. des Sources, Suite 401 Dollard des Ormeaux, Quebec, H9B 1Z8

STAMP

Address sticker

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