

A BRIEF HISTORY OF THE PHILADELPHIA SECTION AMERICAN SOCIETY FOR QUALITY CONTROL

PHILADELPHIA SECTION A.S.Q.C. THE DECADE OF THE 40's.

The formation of a National Quality Control Organization was encouraged by units of the War Production Board after World War II was underway. Spearheading the effort was Holbrook Working, Chief Officer of Production Research and Development, supported by his Deputy Chief, Richard A. Wolff, and by Dr. Edwin A. Olds, who was a Consultant to the WPB.

In 1943, the Office of Production Management (OPM) of the War Production Board organized a staff to present a series of training programs titled "Quality Control by Statistical Methods." The staff was selected from various colleges and industry. One of the members of this staff was Professor I. S. Hoffer from Temple University in Philadelphia.

Early records show that one of the first efforts of OPM was a seven day conference in August 1943 in Washington. The teaching staff included W. Edwards Deming, a mathematician with the Bureau of Census and Irwin S. Hoffer, a professor of Statistics at Temple University, amongst others.

Twenty-two private sector organizations from the Philadelphia area attended this conference as well as representatives of government and educational organizations from the Philadelphia area.

Around this time, Professor Hoffer had been meeting with a small group of local Quality and Inspection personnel at Temple. In these early meetings at Temple, Mr. Harry Poole of Brown Instrument Co. volunteered to act as the Secretary of this group. Many of Mr. Poole's letters and correspondence still exist to document the beginnings of the formal Quality organization in the Philadelphia area.

On January 8, 1944, Lt. Col. Steadman, of the Philadelphia Quartermaster Depot, wrote Harry Poole about arranging a meeting with an "Ad Hoc" committee consisting of himself, W. R. Reeves of RCA and Professor Hoffer for the purpose of discussing the possibilities of structuring an organization that would focus on quality issues.

Secretary Poole notified the "Temple group" that Lt. Col. Steadman scheduled a meeting for May 19, 1944 to discuss the formation of a quality organization and enclosed ideas for discussion.

Meanwhile, similar efforts were proceeding in other areas of the country.

On June 16, 1944, Secretary Poole received a letter from Walter S. Oliver, Treasurer of a Detroit group, outlining the work they had done which led to the formation of the "Society of Quality Control Engineers of Michigan."

On July 6, 1944, Secretary Poole responded to Mr. Oliver's letter saying Philadelphia was establishing a formal quality organization and listed our local officers as follows:

- | | |
|---------------------|---|
| Chairman | Lt. Col. Frank M. Steadman MC
Phila. Quartermaster Depot |
| Vice Chairman | Burnell S. Garrett
Scott Paper Co., Chester, Pa. |
| Secretary-Treasurer | Harry W. Poole
Brown Instrument Co., Phila., Pa. |
| Technical Advisors | Prof. Irwin S. Hoffer
Temple University, Phila., Pa.

Dr. A. I. Peterson
RCA Camden, New Jersey |

The Detroit Section began taking the lead in encouraging the various local groups to form a National Society. L. P. Eisenhart, Dean of the graduate school, Princeton University, was active in the effort to create a national organization and he enlisted the support of the National Research Council in Washington DC.

Under Mr. Oliver's direction, a meeting was held in Pittsburgh, Pa. on October 26, 1944 where the formation of a national organization was discussed. Eighteen prominent "quality professionals," including Lt. Col. Steadman of Philadelphia, participated. Elaborate minutes of the meeting were prepared and circulated.

On November 20, 1944, Mr. Oliver issued a memo to all who received copies of the Pittsburgh meeting minutes to review them carefully and return any comments to him by December 10, 1944 so a wrap-up for a National organization could be started by January 1, 1945.

Also in November 1944, Mr. Holbrook Working of the Office of Production Research and Development of the War Production Board issued a memorandum on a Proposal for the Organization of a National Society for Quality Control. This memorandum was circulated for consideration to the chairmen of the twenty major industrial areas.

In 1944 and early 1945, the independent quality groups in the country continued to hold regular meetings but made no move toward formal organization because of the attention that the National Research Council was focusing on the formation of a National Society.

It was on March 9, 1945 that Dean Eisenhart and Chairman of the Sub-committee of the National Research Council (N.R.C.) wrote the secretaries of 15 active groups requesting they each submit the names of five outstanding National Quality Control men plus one representative from their section. The Philadelphia Group submitted the following names of Members-At-Large:

E. M. Schrock
W.A. Shewhart
A. I. Peterson
W. E. Deming
J. Manuele

Section Representative H. W. Poole

The general organizing Committee met in Princeton June 27, 1945. The representatives of the 15 groups voted and elected five directors-at-large who were to begin the national organization. The members selected were:

Dr. W. A. Shewhart - Chairman
M. A. Brumbaugh
Joseph Manuele
E. G. Olds
W. E. Wareham

Dr. Shewhart began very soon to call the entire Committee (Members-at-Large and 15 representatives) to begin work on an

acceptable National Constitution for the 15 groups plus five more independent groups.

On August 4, 1945, Colonel Steadman indicated to Messrs. Schrock and Poole that he wanted to arrange for the Philadelphia group to elect officers for the 1945-1946 season. Also, he suggested that since the National effort was not going so well, our group should be more formally organized. Accordingly, a Philadelphia constitution was developed and a slate of officers was nominated. At the September meeting the following officers were elected for the 1945-46 season, I. S. Hoffer - Chairman, E. M. Schrock - Vice Chairman, F. R. Bailey - Secretary, and J. A. Jones - Treasurer.

A local constitution was adopted (after three changes) at the same meeting in September 1945.

On August 17, 1945, Dr. Shewhart, who was struggling to find a common ground for launching a national organization, received a letter from Harry March of the Indiana group which read as follows: "I have read and re-read all the correspondence on this organization project. It calls to mind the experiences of a group of men over 150 years ago who were trying to draw up a constitution for a loosely held group of colonies. Nearly all had ideas as to what should be in--or out. And some became very arbitrary, some said in essence, "If you won't go my way, I won't go at all." We are everlastingly grateful that those men finally saw that their project was too big for any

selfishness, false pride, or local prejudice to be permitted to wreck their efforts. True, after the constitution was drafted and adopted they found it was not enough, they had to have a bill of rights. We believe we should go ahead regardless of any defections at this time. We should bring the men together-and soon-and organize with such power as the local societies gave in by their ballots." Dr. Shewhart accepted Mr. Marsh's suggestion and proceeded with organizing a National Society.

On November 27, 1945, to promote interest in Quality Control, Secretary Bailey issued a letter to Philadelphia industry announcing a December 14, 1945 Quality Control Meeting titled "Executive Night." The speaker was Mr. J. Manuele, Director of Quality Control of Westinghouse Electric Corporation who spoke on "Management Interest in Quality Control." Membership of the Philadelphia Section at this point was 42. Twenty-five members and 113 business people attended!

Meanwhile, at the national level, in February 1946, Dr. Shewhart called a special meeting of the Organizing Committee in New York for the purpose of adopting a National Constitution. Nineteen Quality Control groups attended.

E. M. Schrock represented the Philadelphia Group. He made his official report at the Philadelphia March 15, 1946 meeting as follows:

"The Committee met and voted to dissolve and vest their full strength in the American Society for Quality Control. The constitution was adopted, officers were elected and various committees were appointed."

At the April 18, 1946 meeting of the Philadelphia Section A.S.Q.C. the following officers were elected for the 1946-47 season: I.S. Hoffer - Chairman, F. R. Bailey - Vice Chairman, E. M. Schrock - Secretary, J. A. Jones - Treasurer. Professor Hoffer requested that the existing Philadelphia Society constitution be modified to agree with the National Constitution and be ready for adoption at our next meeting. The document was prepared and was adopted at the May 17, 1946 meeting.

Following the establishment of a National Society for Quality Control and the adoption of the revisions to the Philadelphia Section Constitution, the emphasis now shifted to increased membership.

The Membership Committee wanted top grade speakers as a drawing card. So W. Edward Deming was scheduled for October 18, 1946 meeting. His title then was listed as "Adviser in Sampling, Executive Officer of the President, Bureau of the Budget." His talk was titled "Some Recent Developments in Sampling in Social and Economic Surveys."

The November, 1946 meeting speaker was Joseph M. Juran. This was another Executive Night with members of management invited to attend. Mr. Juran's title was "Professor and Chairman, Department of Administrative Engineering, New York University." His subject, "A Case History of Application of Quality Control in a group plant."

Membership and adjustment of dues occupied the activity of our executive committee for the remainder of the 1946-47 season. One important member signed up in the Philadelphia Section was Dr. C. C. Balderston, Dean of the Wharton School of Finance and Commerce, University of Pennsylvania.

During the next few years, the fledgling local chapter concentrated on expanding membership, collecting dues and presenting excellent speakers.

The "First Regional Quality Control Conference" held September 17, 1948, launched the 1948-1949 session. It was sponsored by the Philadelphia and the Delaware Sections. It was called a Quality Control Clinic and it was held at Temple Community College. The principle speakers were: Dr. Martin A. Brumbaugh, Bristol Laboratories, Ralph E. Warham, A.S.Q.C. National President, Colonel Leslie E. Simon, Ballistic Research Laboratory, Aberdeen Proving Grounds, and Joseph E. Manuele, Westinghouse Electric Co. This conference was a major success. Approximately 250 people of management status attended.

The 1949 "Executive Night" meeting was held on May 27 and featured Dr. J. M. Juran, from New York University. His subject was "Installing and Operating Quality Control in a going plant."

Toward the end of the decade, several working committees were formed. One important result of the working committees was the introduction of a series of short problem solving clinics to be held just prior regular scheduled meetings. These clinical sessions have been continued to the present time and are now called "Early Bird" sessions.

The first Quality Control Regional Conference held jointly by the Philadelphia and Delaware sections was so successful that the Second Quality Regional Conference was organized and held on February 16 and 17, 1950. It too was well attended.

Thus the early days, i.e. the 1940's, came to a close with the Philadelphia Section of the American Society For Quality Control fully functional - in fact not all that different in structure from the organization that exists today. In addition, we were a significant force in the formation of the national organization and can be proud of the fact that we contributed to the creation of the foundation on which the A.S.Q.C. was built.

PHILADELPHIA SECTION A.S.Q.C THE DECADE OF THE FIFTIES

The decade of the fifties witnessed explosive growth and maturing of the Quality Control movement. National ASQC membership grew from 2,638 on June 30, 1949 to 11,200 on June 30, 1959 and the number of ASQC sections grew from 35 to 107 over the same period. Technical Divisions were chartered to expand the technical and professional competence in specialized fields. The following six divisions were formed during the 1950's: Textile, Chemical, Administrative Applications, Aircraft, Automotive, and Electronics. In addition, the Reliability Engineering Technical Committee and the Metals Technical Committee (ferrous and non-ferrous) were formed to service members in those fields. ASQC became affiliated with the American Association for the Advancement of Science with its over one million membership. A new journal, "Technometrics," jointly sponsored by ASQC and the American Statistical Association, was initiated to further advance the theory and practice of statistical methods in industry and commerce. A. V. Feigenbaum was instrumental in formulating the philosophy underlying Total Quality Control and considerable effort along these lines was pioneered in the General Electric Company. Feigenbaum's books, "Quality Control--Principles, Practices and Administration," 1951 and "Total Quality Control--Engineering and Management," 1961 added breadth and maturity to the Quality Control field.

Important technical advances were made in this period. Reliability Engineering, including the use of the Weibull Distribution (1951), in working with design engineers on new products was found to be essential in the Total Quality concept. The field of Statistical Experimental Design, so useful in Research & Development process control, was expanded greatly in this period. Two significant publications, "Evolutionary Operation" (1957) by G. E. P. Box and "The Design and Analysis of Industrial Experiments" edited by O. L. Davis, (1954), spurred the utilization of efficient planned experimentation in industry.

The Philadelphia Section participated fully in the growth and maturing of the Quality Control field during these times. Industrial Statistics courses at Temple University Community College and Graduate School (Professor Irwin S. Hoffer, E. B. Haden and A. R. Crawford) and at University of Pennsylvania (Professor Dr. Morris Hamburg), expanded the technical competence of many Philadelphia Section members. At least 17 Philadelphia Section members obtained the level of Fellow during this period, including F. R. Bailey, J. Braverman, Allen R. Crawford, S. S. Hart, E. B. Haden, Irwin S. Hoffer, R. E. Inglis, A. C. Irvine, R. M. Jacobs, Leo J. Jacobson, W. J. Masser, J. Mehalek, H. W. Poole and E. M. Schrock.

Table I provides data on the National ASQC membership, and Section growth during the 1950's and Table II lists a few of the outstanding speakers at the Philadelphia Section monthly meetings during this decade.

A special accomplishment of the Philadelphia ASQC Section during the decade of the 50's was the planning and execution of the 7th Annual ASQC Convention held at the Philadelphia Convention Hall on May 27, 28 and 29, 1953. This convention was a huge success, with the largest paid attendance of 2,481 of at least the first 20 annual conventions! The General Chairman was W. J. Masser. Other convention committee chairman were J. Mehalek, Publicity; J. V. Hart, Registration; G. R. Geiger, Arrangements; A. R. Crawford, Program; E. M. Schrock, Proceedings; S. Wirtschafter, Exhibits; A. F. Botske, Reception; and F. R. Bailey, Secretary-Treasurer.

The Keynote Address was given by Philadelphia's Man of the Year: Frank N. Piasecki, Chairman, Piasecki Helicopter Corporation. The 34 moderators and 78 speakers included the "Who's Who" of the Quality Control World of the 1950's. Included were: J. M. Juran, W. E. Deming, A. J. Duncan, B. B. Day, I. S. Hoffer, E. C. Harrington, R. S. Bingham, W. P. Pabst, Jr., Benjamin Epstein, E. H. MacNiece, A. V. Feigenbaum, Ralph Wareham, Dorian Shainin, B. H. Lloyd, M. A. Brumbaugh, J. Manuele, A. B. Mundel, P. S. Olmstead, S. S. Wilks and W. R. Weaver.

In addition, local management representative H. T. Hallowell, Jr., President of Standard Pressed Steel Company and C. R. Scott, Jr., Manager of Otis Elevator, participated.

One disappointment occurred during the planning of the 7th Annual Convention. A plan was formalized for the establishment of an exhibit in the Franklin Institute to honor Dr. W. A. Shewhart and the establishment of ASQC. Dr. Shewhart's original blue mixing bowl and metal-rimmed white chips used in the development of the theoretical foundation of Shewhart Control Charts were offered for inclusion in the exhibit. However, at a meeting with Miss Bessie Day and other national ASQC representatives, the planned exhibit was canceled due to lack of ASQC Headquarters' financial support.

We managed growth during the 50's and began a tradition of providing our members with the opportunity to meet and learn from the very best Quality Experts in the world through our many educational opportunities.

TABLE I

1950 - 1960

NATIONAL ASQC MEMBERSHIP AND SECTION GROWTH

<u>Year</u>	<u>Membership</u>	<u>Sections</u>
6/30/50	3,510	42
6/30/51	4,245	48
6/30/52	6,109	60
6/30/53	7,430	71
6/30/54	8,548	80
6/30/55	8,780	86
6/30/56	9,673	92
6/30/57	10,497	97
6/30/58	11,063	102
6/30/59	11,200	107

TABLE II

OUTSTANDING SPEAKERS AT PHILADELPHIA. MONTHLY MEETINGS DURING THE 50'S

DR. MARTIN BRUMBAUGH, Director, Department of Statistical Analysis, Bristol Labs

SIMON COLLIER, Director of Q.C., Johns-Mannville Corporation & National President A.S.Q.C.

DR. A. V. FEIGENBAUM, "Total Quality Management," Originator, G.E.

DR. MORRIS HAMBURG, University of Pennsylvania Professor

DR. J. S. HUNTER, Princeton University

LEO J. JACOBSON, International Resistance Co.

DR. J. M. JURAN, Consultant on Q.C. and Management

DR. ELLIS R. OTT, DR. MASON E. WESCOTT & ALLEN R. CRAWFORD Rutgers University

WARREN PURCELL, Rath & Strong

DR. HARRY G. ROMIG, Co-author of "Sampling Inspection Tables" Bell Telephone Labs

LEONARD A. SEDER, Chief Q. C. Eng., Gillette

DORIAN SHAININ, Rath & Strong

DORIAN SHAININ, Chief Inspector, Hamilton Standard Div., United Aircraft Corporation

PROF. JOHN W. TUKEY, Princeton Univ. & Bell Tel. Labs

DR. FRANK WILCOXON, Lederle Labs of American Cyanamid Co.

PHILADELPHIA SECTION A.S.Q.C. THE DECADE OF THE 60'S

The 1960's were a period of transition and accelerated growth for our profession and our Section. Until this time, Quality Control had been primarily concerned with inspection and sampling. The 1960's introduced the concepts of Quality Management and Quality Assurance, and the Philadelphia Section was right in the middle of it all. Quality Assurance addressed things that happen before production instead of what happened after. New applications of statistics were developed, concerns for Calibration and Measurement Assurance emerged and the development of Management Systems for quality started.

The decade was strongly influenced by military and space procurement. The Philadelphia area was a key focus with the General Electric Missile and Space business located in Philadelphia and King of Prussia, RCA in Moorestown and Camden, The Philadelphia Naval Shipyard and the Defense Supply Agency and many industrial companies supporting this market. The Department of Defense and NASA both developed new quality management requirements. These created a need for an enormous amount of education and training for our members and government employees. The Section started a small training class at the Defense Supply Agency in South Philadelphia to help people understand and apply the new military Quality Management Standard, MIL-Q-9858. Thirty

people at a time was too small a scale to meet the needs of industry and DOD so the Section organized a "MIL-Q-9858 SEMINAR" which was held at the Cherry Hill Inn. More than 350 participants from government and industry attended! This effort led to a National Seminar on Military quality requirements that was held at more than 150 locations throughout the nation and lasted for more than ten years. Donald Ekvall and Harry Griener, both from Philadelphia, were the major organizers and leaders of these seminars. The training at DSA was one of the early beginnings of the Section's strong Education Program.

Many of the concepts to support the move to Quality Assurance were developed by Section members and presented at the Section's Annual Symposiums and the Society's Annual Technical Conference (now the Quality Congress). The concept of Quality Auditing was first presented at a Section's Annual Symposium in 1967 and later incorporated as a cornerstone of the Educational Training Institute's Quality Auditing course. Another concept promoted at our Section symposium was the use of computers for effective tracking and analyzing of data. The strong support for dramatic and radical changes in the Quality Profession contributed to the selection of Philadelphia as the location for the 22nd Annual Technical Conference in 1968 chaired by our own Jules Mehalik.

Many other new ideas matured in this decade, i.e., Quality Costs, Reliability, Quality Auditing, Calibration and Measurement Assurance and Vendor Relations are a few. Section members were in lead positions in all of these areas.

During the decade the Section grew from about 400 members to more than 600. Monthly Section meetings were typically held at the Mannheim Cricket Club in the Germantown section of Philadelphia, At these meetings luminaries of the quality profession, including such visionaries as Dr. Joseph M. Juran, presented their dynamic new approaches to the Section membership.

The Section was also a leader in creating a section management award, the SADDORIS AWARD, for excellence in section management. Though the Section never received this award, we were consistently in the top ten sections in the country each year.

Our annual Symposium also prospered and grew in size and scope during the 60's. Each year attendance was substantial, in no small measure due to outstanding keynote speakers such as Val Fiegenbaum and Bill Golumski. As a result of our success, the location was moved to Villanova University for most of the 1960's. The University supported our education program and brought more skills to bear on both the technical and management concerns of the Section.

One of the highlights of the decade for our Section was the recognition of Joseph Beezer as a Fellow of the Society in 1960.

At the end of the decade the Section was strong and poised for more and even greater challenges -- and as we moved into the 1970's we had an organization established that was well positioned to address these challenges including one of the greatest challenges of all to the quality profession - to place a man on the moon by the end of the next decade.

PHILADELPHIA SECTION A.S.Q.C. THE DECADE OF THE 70'S.

During the 1970's, quality consciousness began to envelope this country as the consumer became more aware of what could be expected from foreign sources. American business tried to "put on the mantle of quality" for marketing purposes, even though upper management still did not accept the quality mindset as a practical and workable business philosophy. The quality profession experienced considerable turmoil as quality related functions expanded and senior quality personnel were promoted or transferred. The Philadelphia Section of ASQC addressed this business atmosphere by offering extended education and training courses. The standard presentations that evolved included our Basic Quality Control Courses, the Inspection & Gaging Workshop, a Reliability Seminar, a Quality Control Refresher Course (for those taking examinations for Certified Quality Engineers), and our annual one day Quality Symposium. This broad program along with our monthly Section Meetings attracted increased attention from the greater Delaware Valley which in turn helped us exert greater influence on local industry. Greater sophistication of internal section management was displayed during the 1970's in various ways. Official organizational charts in 1971/1972 made each officer directly responsible for the performance of specific committees. Professional Development, started in 1970 to assist eligible people to upgrade from Associate to Member, and from Member to Senior Member grades continued through the early 1970's and was quite

successful. The large reservoir of Senior Members helped Philadelphia attain an enviable 25 members who were elected as "Fellows."

The practice of having "Early Bird Sessions" was restored to section meetings in 1971/1972, utilizing past chairmen or outside experts supplied through the Philadelphia Section Board of Directors. During this same period, the practice of having a "head table" limited to the speaker(s) and section officers was discontinued, and the officers and committee chairmen were instructed to distribute themselves among the various tables to achieve maximum interaction with section members and guests. In 1972/1973, 90 new members were enrolled, making the Philadelphia Section second in ASQC in attracting new members that year.

Also during 1972/1973, the Board of Directors was requested to establish guidelines for an official Section Archivist, and Ralph Reeves was appointed to this post. The monthly Executive Committee meetings were used each month as Section Management reviews, with several committee chairmen attending each meeting. Each committee's performance was compared to the Section Management Plan and the combined national and local calendar. Guidelines and responsibilities were developed and documented for all Symposium Committee Officers.

Action was taken in May 1973 to show a telephone listing for "American Society for Quality Control" in the white pages of the five major local telephone directories, using Gage Lab Corporation's telephone number through the courtesy of Max Unis. This allowed local or visiting members and business non-members to make contact with an ASQC member for securing more information. The Philadelphia Section was the only ASQC group to have a telephone listing other than ASQC National Headquarters in Milwaukee!

In May 1973, Alfred Wall (RCA) was elected an ASQC Fellow and Harry Belding (who had been serving as ASQC Regional Director for Region 5) was elected an Executive Director of ASQC starting July 1973.

Typical monthly Section meetings during the early 1970's included the all-day Quality Symposium in November, plus dinner meetings during the other months except for the summertime. There were typically two plant tours, a Ladies' night, a Management night and joint meetings with other technical societies or ASQC Divisions. A sampling of 1974/1975 events included an October plant tour to the Salem Nuclear Generating Station in Hancock's Bridge, New Jersey, the social event in December as a Christmas dinner dance at the Forest Inn in Ambler, PA. and a plant tour to Nabisco Bakeries. All events were well received.

Max Unis (Gage Lab Corporation) was elected an ASQC Fellow in May 1975.

In 1975/76 several policy changes were made or reinstated. This included adding milestones to a combined national/local calendar and asking the Board of Directors to assign mentors to counsel each Executive Committee officer and committee chairman. Each committee chairman was required to officially appoint a vice-chairman to eliminate "one man" committees and ensure back-up and likely succession. Automatic pre-registration of all officers and committee chairmen for all monthly section meetings was reinstated with specific action needed to cancel for just cause and finally the possibility of establishing an educational scholarship award and/or a student loan from our Section Development Fund was explored.

On December 2, 1975 a Charter was ratified to permanently establish an Education Steering Committee for the Philadelphia Section, to establish policies/guidelines for all educational courses regarding administration and instructional standards, to critically review all section courses/symposia for continuation or modification, to establish a five year educational plan and to conduct a future needs appraisal of industry and professional developments. The first people to serve in this Education Steering Committee capacity were: Bob Jones (Chairman), Bill Christman, Al Dettore and Bob Morrison. Several policies and guidelines were developed by this Steering Committee throughout 1976 and 1977.

In January 1976, a contest was proposed to create a logo for the Philadelphia Section with a \$50.00 U. S. Savings Bond for first prize. The winning entry was selected in May 1976 as submitted by Joe Schnell of Honeywell. The logo is the Capital letter "Q" with the Liberty Bell contained within and "ASQC Philadelphia Section" inscribed on the "Q." This logo was first used for the 1976/1977 Section Program and was also used nationally in advance publicity for the 31st Annual Technical Conference held in Philadelphia in May 1977. This logo is still used today. In February 1976, arrangements were completed for Section exemption from Pennsylvania and New Jersey sales taxes. (Some things never change).

During 1976/1977 the Philadelphia Section was the third largest Section in ASQC (trailing Chicago with 862, and Orange Empire, California with 715). Philadelphia supported efforts to establish a new section centered in Millville, New Jersey. Official organizing was underway by January 1977 culminating in the creation of the South Jersey Section. Joe Farnan passed away on May 9, 1977 after a prolonged bout with cancer of the larynx. A few days before his death, Section Chairman Howard Wintling presented Joe with official notification of his attaining the grade of Fellow in ASQC. Al Dettore (Temple University) also achieved Fellow status and was honored at the 31st Annual Conference. Before the end of the 1976/1977 program year, Philadelphia membership had grown to 648.

During the 1977/1978 program year, initial planning was underway to sponsor a Quality Control contest within the Junior Achievement program. Due to coordination problems with Junior Achievement, this did not materialize until our 1978/1979 program year. In January 1978 our Section arranged a plant tour of VIZ Corp. for 11 students from Algeria in cooperation with the Washington Section. Dick Dobbins achieved Fellow status and was honored in May 1978 at the 32nd ATC in Chicago. Initial planning was started on honoring Joe Farnan in some significant manner. In 1978/1979 it was decided to initiate an annual event - the "Joseph F. Farnan" commemorative lecture and this was included 1979/1980 program year.

PHILADELPHIA SECTION A.S.Q.C THE DECADE OF THE 80'S

During the eighties, the Philadelphia Section continued to serve A.S.Q.C. as one of its most active Sections. After sponsoring the South Jersey Section as a new section Philadelphia still had a membership of over 750 members. This was quite significant because the overall membership of A.S.Q.C. was around 25,000.

In order to keep pace with the ever expanding scope of responsibility of the Quality profession, the Philadelphia Section introduced courses such as Statistics, Quality Management and Statistical Process Control (SPC). The eighties was also the era of "Self Awareness in Quality." U.S. Industry had to deal with the stigma of poor quality products when compared with imported products from Japan and the rest of the world. NBC presented a White Paper on Quality - If Japan Can, Why Can't We - on national television which helped launch the Quality Revolution in the U.S. Dr. Deming a quality folk hero in the rest of the world became a celebrity in his own country.

The Philadelphia Section started a joint effort with Drexel University in the presentation of two courses, Quality Management I and Quality Management II. The courses were successful and that they initiated a stronger tie with Academia. Credit courses in Quality were now being offered and a significant step was taken by Drexel

University when they unveiled their MBA program with a concentration in Quality. Drexel University started a student branch with the advice and guidance of the Philadelphia Section. Two of our Fellows, Dick Dobbins and Bob Jones, were major catalysts in this undertaking.

The Board of Directors, consisting of Past Chairpersons and continued to serve as an advisory group for the Section. The Section also promoted liaison with the Philadelphia Science Council by funding a cash award to selected High School students who excelled in the field of Science. The Harry Belding Scholarship was instituted for children of members of the Section who excelled in academics. The first recipient was Christina Cianfrani, daughter of Charles Cianfrani. The annual scholarship continues to be an important part of the Section's activities since promoting and encouraging quality causes has been a primary goal of the Philadelphia Section from its inception.

Promoting Quality also had some drawbacks. On January 22, 1987 the Section sponsored an all day session on Taguchi Methods. That day was also the day of one of the most severe snowstorms to hit the Delaware Valley and many of the attendees were forced to extend their stay at the hotel where the session was held.

The biggest annual educational event of the Philadelphia Section during the 80's was the Quality Symposium, held in the fall.

Attendance at these sessions rose to over 300 attendees during the 1980's. The topics were reflective of the times and included the most progressive thinkers and innovators in the Quality profession.

The decade of the eighties also produced the Section's first woman Chairperson in Marie Trethaway who is still active in Section activities. The trend continued into the nineties with Susan Garza and Jacqueline Anderson assuming top leadership roles in the Section.

During the 1980's the Section provided the National organization with many leaders in the various Technical Divisions and Speakers for the Annual Quality Congresses and this trend has continued into the nineties, reflecting a continuation of a strong and viable Section.

PHILADELPHIA SECTION - A.S.Q.C. THE DECADE OF THE 90's.

As the Philadelphia Section enters the decade of its fiftieth anniversary, we see continued significant growth, some important "firsts" and many interesting changes occurring in our profession and within our Society. Membership in the Section has grown to around the 2,000 mark for the first time in history. This steady growth in membership has signaled a need for a complementary growth in services and the Section has responded.

Our education curriculum has expanded to sixteen offerings including new courses on the *Malcolm Baldrige Award Criteria*, *Employee Involvement for Total Quality Management*, and *Principles of ISO 9000*. To handle the growing curriculum and to emphasize long-range planning, our Education Committee has re-organized into three teams - the first time we have used of a team structure in the administration of Section business.

Because the need for information on the topic of quality doesn't take a summer vacation, the Section expanded publication of our newsletter from nine months to twelve months. The newsletter also has a new look and a new name - *The P.S.Q. Review* (Philadelphia Section Quality Review). Through the use of personal computer technology, desktop publishing software and a dedicated editorial staff, continual improvement of the newsletter is a goal for the 1990's.

To keep information flowing, we have also expanded our monthly meetings from a nine month to a twelve month format to offer our members more opportunities to learn and network. We are also now offering our members the opportunity to attend the broadcast of the ASQC Quality Forum each October during National Quality Month. And, we are experimenting with new themes and formats for our Annual Symposium and Technical Symposium.

The 90's also saw the creation of a new Division in the ASQC National Structure - the Measurement Quality Division and the Philadelphia Section was a major contributor to its formation. This Division actually dates to the early 70's when Max Unis was instrumental in the organization of the Metrology Technical Committee and one of its early Chairmen. In May, 1991, the Technical Committee formally was chartered as the Measurement Quality Division primarily due to the efforts of Sal Scicchitani of Gage Labs. Sal was the chairman for the first two years and guided it quickly from nothing to a significant Division, with a current membership of 6,500.

An important initiative of the last few years was the expansion of the Student Branch of A.S.Q.C. at Drexel University. Since its inception, the Drexel Student Branch has worked diligently to sponsor events and bring important speakers to the university setting so that our future "quality leaders" have opportunities to learn from the experts. It is fitting that Dr. Joseph Juran, who was a speaker in the decade

of the 40's, returned to our Section in the 90's at a reception hosted by the Student Branch of Drexel. The Philadelphia Section has acted as sponsor and advisor to the Student Branch and was proud to fund a quality library for the students at Drexel University. The library is dedicated to the memory of the esteemed, departed fellows of the Philadelphia Section - a living tribute to those who shared their knowledge with so many of us during their lifetimes.

We have a perfect track record in the 90's when it comes to participation in the Section Management Program (SMP) of ASQC. This is the program sponsored by ASQC National that encourages effective Section administration. The SMP replaced the Sadores Award program which served the Society well for many years. We have successfully achieved a Level IV designation - the highest designation - each year in this decade. Through the application of continual improvement techniques and teamwork. We intend to continue to achieve this designation into the 21st century.

While we are still in the first half of the 90's decade we know that to keep moving forward, we need to continue to blend the wisdom and experience of our long-time members and leaders with new ideas and approaches of our new members and emerging leaders. Through a combination of wisdom, youth, enthusiasm and experience, we will be able to achieve our vision of being considered the premier Quality organization in the Delaware Valley. We have been this source for the past 50 years, we are this source today and

we are well positioned to continue to perform this role but if and only if we are willing to continually address the challenge of change that will relentlessly confront our Society and our national. The challenge is formidable but the heritage and foundation forged over the past 50 years has prepared us to successfully address the challenge.

to be inserted in this writeup:

THE ANATOMY OF A TECHNICAL CONFERENCE
ASQC'S 31ST ANNUAL TECHNICAL CONFERENCE
PHILADELPHIA - MAY 16-18, 1977

Twice before in the history of the Philadelphia Section, ASQC had held its Annual Technical Conference in Philadelphia; the 7th ATC in 1953, and the 15th ATC in 1961. For the past events, the Host Committee General Chairman was Bill Masser in 1953 and Julius Mehalek in 1961. Both previous conferences were conducted in a very professional manner. By 1977, however, the society had grown tremendously, and so had each succeeding conference regarding attendance, technical complexity and international importance. Over 2000 registered attendees were expected for the three day event comprised of a daily common opening plenary session followed by seven simultaneous 90 minute technical tracks with one morning session and two in the afternoon. The evenings would have a pre-conference reception on Sunday, a social evening on Monday and the annual grand banquet on Tuesday. ASQC business and technical groups would hold individual meetings starting the Saturday before the conference and continuing day and night to the close of the conference Wednesday afternoon. Multiple plant tours and family tours were held each day, using chartered buses. Space was needed for over 200 exhibitors, plus audio-visual aids, room monitors, and wireless communication systems. The logistics were horrendous!!

Over 600 guest rooms were reserved at the Marriott plus 400 at the Holiday Inn across City Avenue. That wasn't enough and other blocks of rooms were obtained at King of Prussia and center city with shuttle buses flitting between locations for the registrants, family and exhibitors from dawn to midnight. Signs were needed to help people find their way to the various technical, social and meeting locations. To properly prepare and plan for an event of this magnitude, Jerry Braverman was appointed General Chairman of the Host Committee in December 1974, 2-1/2 years before the appointed conference! He sought and appointed all other Host Committee members by May 1975 (see Table I). The first organizational meeting of the full Host Committee was held in August 1975 at the Marriott to review the critique of the 29th ATC in San Diego in May 1975. Several other meetings were held and separate preliminary work by the individual chairmen occurred until full, regular monthly meetings started in June 1976. Most Host Committee members attended the 30th ATC in Toronto in May 1976 meeting with (and assisting) their counterparts in the Toronto ATC. Committee meeting frequency was increased to weekly for the last 1-1/2 months prior to the actual conference.

Several important ASQC "firsts" were introduced by our host committee for this ATC which have had a lasting influence on the subsequent annual conferences (now called the Annual Quality Congress or AQC). These innovations included:

- Better liaison between the host committee and Milwaukee headquarters than ever before experienced.
- Conference rooms for the technical sessions were assigned according to forecasted attendance based on advance registrations rather than our perceived "prestige."
- A system of reduced registration fees for advanced registrations (at least 3 weeks before conference) to encourage early registration and to improve cash flow.
- Arrangements to open normally closed restaurants, lounges or bars to serve a light breakfast or lunch.
- Greater autonomy to the Host Committee to address issues previously dictated by ASQC headquarters staff.

TABLE I

Philadelphia Section Host Committee for 31st ATC:

General Chairman - Jerry Braverman (US Army Armaments R&D Command)

Vice Chairman - Albert G. Dettore (Temple University)

Treasurer - George J. Branin (RCA Corp.)

Secretary - Mary E. Wolcott (ARCOS Corp.)

Publicity - William H. Anderson (General Electric Co.)

Arrangements - Richard K. Dobbins (Honeywell Inc.)

Family Program - Doris Branin & Virginia Dobbins (Co-Chairs)

Exhibits - Alfred T. Altopiedi (Phila. Naval Shipyard [PNS])

Plant Tours - Max J. Unis (Gage Lab Corp.)

Advisory - Julius Mehalek (Retired) & Stanley Wirtschafter (PNS)

Special Events - Thomas P. Davis (C & D Batteries)

Phila. Section Liaison - Howard W. Wintling (RCA Corp.)

Technical Program Chairman - Casimer A. Scott (General Elec. Co.)