

Quality Education in Chicago
Training History of the ASQ(C)

By
William L. Lieberman

Each of the individual Quality Societies, which banded together in 1946 to form the American Society for Quality Control, was originally created to further members' knowledge. Although there have been varying degrees of emphasis over the years, the original objectives have always remained part of the Society's programs.

In 1946, the Chicago Section began its "Intensive Two-Day Workshop in Statistical Quality Control" which has continued as an annual event to the present day. The original Two-Day Workshop was presented by Professors Irving Burr (Purdue University), John Henry (the University of Illinois), Lloyd Knowler (the University of Iowa) and Mason Wescott (then at Northwestern University). These four men wrote the Two-Day Workshop Manual, now in its third revision, which is still used in this program today (The Law of Large Numbers has not been repealed). Over the years, additional men have presented the Two-Day Program: Gayle McElrath (the University of Minnesota) and Charles Hicks and Nicholas Relich (both from Purdue University). As the original Two-Day Instructors retired, Chicago Section members began to present the Program and provide additional material in a Manual Supplement. Latter Instructors include Ronald Pollard, Charles Pheatt, William Lieberman, Earl Szymanski, John Blazejak and Edward Krch.

In the "Early Days" of the quality profession, instruction in the techniques of Quality Control was available almost exclusively from ASQC Section and Society programs. By and large, educational institutions were not interested in the subject and professional consultants in the field were not as numerous as they are today. Consequently, initial offerings of the Two-Day Program brought hundreds of students each year. For many years, the Chicago Section and the Chicago Association of Commerce and Industry jointly sponsored the Section's Two-Day Program; Charles Matz represented the Section and Devore Sholes represented the Association in this continuing activity.

The Two-Day Program was and is an annual offering of a training workshop. The Section's Monthly General Meetings began as presentations of specific applications in Statistical Quality Control and have evolved into opportunities for professional enhancement in a broader spectrum of managerial topics

By 1954, the Section's Educational Program had become a series of two-hour lectures each month separate from the General meetings. Each hour of the Educational Program was devoted to a different topic; in many instances, the two nightly topics were related. These programs were presented in Room 218 of the University of Illinois Chicago Campus at Navy Pier. Under the direction of Bill Lieberman with the administrative assistance of Joe Lisy, a different person presented each of the lectures.

Also in 1954, Dr. Marjorie Sutherland presented for the first time the Section's "Advanced Course" in Statistical Quality Control methods. Although it was not described nor presented as such, this course was an introduction to the subject now

popularly called “DOE,” Design of Experiments. Marjorie based this program on the text “Statistical Methods for Chemists” by W. J. Youden, and arranged for Dr. Youden to come to Chicago to present the final lecture and to speak at the Section’s General Meeting that month.

Marge’s “Advanced Course” was presented at the Wahl-Henius Institute on Fullerton Avenue. Bob Tenney, who would serve as Section Chairman in 1956-1957, was Director of the Institute, which was devoted to research in brewing.

In 1955, direction of the Educational Program was assigned to Robert Storer assisted by Bill Lieberman. Bob retained the two-hour lecture format but presented each of the lectures himself; the result was a marked increase in continuity throughout the yearlong program.

In the 1956-1957 year, Bill chaired the Basic Educational Program and Mae-Goodwin Tarver chaired the Advanced Educational Program, both under the supervision of the Section Executive Board. Bill was directed to involve as many people as possible in this Section activity. It was expected that the material presented would have continuity provided by using a detailed topic outline, which had been approved by the entire lecture staff. The idea was a good one, but, like many socio-political theories, it did not take into account human nature. Each lecturer presented whatever he thought pertinent without regard to prior outline agreement.

In 1957-1958, a 10-week course in Inspection Techniques was added to the curriculum. Due to the work of Dave Petigrew, Mike Sone, Frank Colby, George Alukal, Tom Banasiak, John Hoffman, Walter Neuhengen, Howard Van Meter and others, this one course developed, over a number of years, into a series of 10-week courses and one-day workshops

In 1958 and 1959, Marge Sutherland, assisted by Mae-Goodwin Tarver and Rosemarie Meyer, presented a 16-week course entitled “Geometric Statistics”. Marge, Mae and Rosemarie were helped by Bill Lieberman and Joe McConville in the background. This program used physical models to illustrate the geometry of data collection designs.

Mae, Bill and Ralph Haertel, an exceptionally gifted instructor, also presented class sessions in Statistical Quality Control topics. Frequently, the three worked in the same session speaking interchangeably.

Following Marge, Mae was appointed Educational Chairman. She realized that the practice of having a different person in charge of Section Educational Activities each year caused considerable discontinuity from year to year. Consequently, Mae suggested to the Section Executive Board that the Educational Chairman serve continuously for a number of years with the appointment being reconfirmed each year by the Board. The suggestion was adopted and subsequently written into the Section’s Bylaws. Mae Tarver was the first Educational Chairman to operate under this arrangement. The Semi- Permanent Educational Committee was renamed the Chicago Section Institute for Quality Control Engineering Training and Mae became its first Director.

In 1961 Mae contacted five of the universities in the Chicago Area to determine if academic courses in quality control were available locally. She discovered that only three of the five schools had such courses and in each instance successful work in calculus was a prerequisite for class enrollment. Since the vast majority of people working in the quality control field did not meet this requirement, most of the persons actually doing quality work were not able to qualify for additional instruction. Knowledge of higher mathematics is helpful in understanding the theoretical underpinnings of Statistical Quality Control but such knowledge is certainly not needed to make useful applications of Control Charts, Acceptance Sampling Procedures and Experimental Designs.

In order to provide to local quality personnel more formal training than was currently available, Mae proposed that the Section's Educational Programs be offered in a series of sixteen-week courses taught by a recognized instructor from a Section-approved course outline using a standard quality control textbook and culminating in receipt of a Section Certificate earned by a written examination. The Executive Board accepted Mae's proposal and the Section's educational format was established. Gil Sorber became the first Instructor in the new program and the chosen text was Eugene L. Grant's *Statistical Quality Control*. A significant feature of the statistical courses was work by a team of volunteers lead by Frank Colby who returned graded homework to students the day the papers were turned in together with printed solutions. Unfortunately, for lack of personnel this helpful practice was discontinued during the middle 1980s.

The Educational Programs served not only the Chicago and Fox Valley Sections but also students from as far away as Freeport, Illinois, and Beloit, Wisconsin. These hardy souls drove to Navy Pier each week for the Tuesday night classes.

During the 1963-1964 year, Howard Boe and Bill Lieberman developed and presented the Section's first program in Quality Management. This took the form of a weekly discussion seminar held at the Sherman Hotel with attendance limited to Quality Managers and Directors. Subsequently, Mike Sone administered a classroom program in Quality Management. Presently, several managerial courses are under the supervision of an Associate Director for Management Training.

In 1965, the University of Illinois opened its new campus at Chicago Circle. The Section used these new facilities for one year and then moved to Northeastern Illinois University in the 1966-1967 year. In 1970, classes were again moved, this time to Carl Schurz High School, which is operated by the City of Chicago Board of Education. In 1971, the Chicago Section began a pleasant, 15-year association with North Park College and Theological Seminary (now North Park University). The Section's relationship with each of these educational institutions was one of a renter of classroom space. In each instance, the programs of these hosts eventually expanded to a point at which they needed the space being used by the Section.

In 1967, when Mae Tarver was appointed to the Society's Education and Training Board, William Lieberman became the Section's Training Institute Director. Bill supervised the training activities until 1980 when he also undertook a five-year term on the Society ETB. Perhaps the most significant change during this period was the granting of reimbursement for food and travel expenses to instructors and staff who regularly expended personal time and materials in the weekly evening training

classes. Bill maintained that helping others by teaching was a professional obligation, not an additional source of revenue; he was finally forced to recognize that one should not endure continual personal expense in discharging the responsibility.

In 1980, John Blazejak assumed direction of the Section's training efforts. Under Jack's leadership, the scope of course topics was expanded, Saturday morning classes were instituted at Nazareth Academy in LaGrange, Illinois, the instructional and service staffs were enlarged and instructors received payment for their services as well as their expenses. Jack's daughter, Mary Beth Blazejak, served as administrative Site Manager at Nazareth. The Chicago Section Educational Program became a model of professional society education and, indeed, several other Sections have, with many modifications, adopted this pattern. Jack has written a summary of his recollections of his directorship, which is appended to this history.

In 1983, Jack Blazejak resigned the Training Directorship and the Site Manager at North Park College, Robert Blaney, became the Education Chairman. At this time, Charles Pheatt wrote an extensive, three module Statistical Quality Control manual for use by the Section. In 1985, Bob Blaney left the Chicago area causing the Section to look for a new training head. Ronald Pollard was willing to assume the responsibility and the Section owes him a debt of gratitude for stepping in on short notice and continuing its educational program. Ron has also added his thoughts here.

In 1990, George Alukal was appointed TI Director. George controlled the Institute in a participative manner using more of the experience and expertise of the Associate Directors. During George's administration, Saturday classes moved from Nazareth Academy to the Arlington Heights campus of Roosevelt University.

Bill Lieberman was again selected to be the Director of the Section's educational programs in 1994. At this time, evening classes at Wright College in Chicago were added to the roster of courses. During his tenure, responsibility for class registration and record keeping was shifted from volunteer and part-time workers to an experienced, professional secretary, Judy Ahlberg.

In 1997, Andrew Weiss undertook the Director's duties. In 1998, courses continued at Wright and Roosevelt but association with Nazareth Academy terminated and the Section began to offer courses at Triton College; in 1999, only Triton and Roosevelt were used.

It must be emphasized that the relationship between the Section and each of the Colleges and Universities where courses have been presented was always that of renter and landlord. Although Marge Sutherland and Mae Tarver did hold and Manu Vora and Rama Shankar do now hold faculty status at Illinois Institute of Technology, there has never been an academic association with any of the host institutions. In the 1980s, the Section Executive Board directed the Training Institute to explore the possibility of an affiliation with North Park College; the question was never raised and has not been broached in any context since.

In the 2000-2001 year, there was no single TI Director. The four Associate Directors, George Alukal, Tom Banasiak, Bill Lieberman and Tim Surratt, managed the educational activities jointly. For this year, classes were held entirely at Triton College.

At the beginning of 2001-2002, the Section Chair, John Joyce appointed Peggy Bowling to the Director's position. At a meeting of the Associate Directors, John stated that Peggy, with his help, would serve for two years and at the end of that time she would succeed to the Section Chair and would appoint John TI Director. However, in the autumn of 2002, John Joyce left the Chicago area. Consequently, Peggy Bowling, the Vice-Chair for Section Affairs, succeeded to the Chair and Jack Blazejak stepped in again to serve as TI Director.

During the 2001-2002 year, courses began to be presented at Harper College northwest of the city as well as at Triton.

William L. Lieberman

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ASO Chicago Section Training Institute Chronology

John “Jack” Blazejak

Chicago Section Training Institute Director – 1980 to 1983

In reviewing my directorship of the Training Institute for this historical overview I had to start by explaining one of my first decisions. The action I took was to recognize the director who had just preceded me. Mr. William L. “Bill” Lieberman had held the position for the prior 13 years. It was because of Bill’s commitment to education that our Chicago Section had such an outstanding series of course offerings.

In recognition of Bill’s service to the TI, I recommended and got approval from the Board that we honor Bill yearly with the William L. Lieberman Scholarship Award. This award is given to the student in the Basic SPC class who scores the highest in homework, attendance and final exam.

My role with education in the Chicago Section, though, began as manager of the Certified Quality Engineer Review Course, a course that had been developed a few years earlier by Mr. Ralph Quin of Abbott Laboratories. Ralph had put together a ten-week course that brought in speakers with expertise in the areas covered by the exam.

My job was fairly straightforward in that position in that I merely had to maintain the current setup. (Why change something if it’s not broken?) Challenges did present themselves, though. Since every speaker was an expert in some aspect of the quality field, their available hours weren’t always as scheduled. Last minute shuffling of guest instructors became a routine.

The TI Directorship I accepted had left me with a very sound organization to build upon. Bill, Mae- Goodwin Tarver, and Margery Sutherland, my predecessors, had built a fine organization. By the time I took over, our Section was giving a series of weekly courses offered at North Park College in Chicago on the southwest corner of Foster and Kedzie Avenues.

Every Tuesday evening from 6:30 to 9:30, from September through May, we presented courses in three concentrations of knowledge.

- Statistics - Statistical Quality Control I and II
- Inspection - Blue Print Reading and Metrology
- Management - Quality Management and Certified Quality Engineering review

Using standard, off-the-shelf textbooks and manuals prepared by our instructors, these courses were the backbone of our training efforts.

My first year as Director was pretty much running the status quo. However, plans were being developed that would increase the number of courses, course concentrations, locations and offerings within the week. (It seemed that our members wanted additional training, at additional locations, and on additional days.)

The program for my second year was changed to add an additional site at Nazareth Academy High School in LaGrange and to offer our courses on Saturday mornings. This location, with its easy access to the Tri-State Tollway, and the fact that classes were offered on Saturday morning, gave attendance a tremendous boost. (We were drawing students from as far away as Rockford, Illinois, Kenosha, Wisconsin and South Bend, Indiana.) It seemed that our membership wanted education, but they wanted it when their minds were active and awake, and they wanted it with minimum effort in getting there. (I think we all want that.)

Of course, Tuesday evenings were still held at our old friend, North Park College, but the pattern was being established. Saturday attendance records to this day out-pace the weeknight offerings.

At this same time we developed a new model for our course concentrations. We began with the following course schedule that added additional courses to each concentration and added a new concentration in Reliability Engineering.

The schedule now became:

- Statistics - Statistical Quality Control I, II and III.
- Inspection - Blue Print Reading, Geometric Dimensioning & Tolerancing, and Metrology.
- Management - Quality Management, Quality Cost Analysis and Certified Quality Engineering Review.
- Reliability – Reliability Engineering I, II and III.

These new courses and concentrations required specialized knowledge to develop and maintain them. Because of these requirements I felt I needed a new entity in the Training Institute. Associate Directors now became responsible for course development and maintenance in our four concentrations. Without them there would have been no success. The pattern holds true even today.

Of course, expansion places additional resource requirements on any system. We needed additional teachers. To expand our base of instructors we began a yearly program of teacher training for any member who wanted to expand their teaching capabilities. Under the leadership of Associate Directors Bill Booth, Ron Pollard and Dave Pettigrew we began building a base of well-qualified men and women who would become the backbone of our training institute.

Our instructors, many of whom were committing to teach 3 hours per week for 10, 20 or even 30 weeks a year were essentially unpaid volunteers. However, we soon realized that the economic burden we were placing them under was a very unfair practice. As a result, the board granted approval to our providing an honorarium. At times though it barely covered expenses. But, at least it was something.

No one can be in two places at one time. I needed help at each site on a weekly basis. As a result we established another entity called Site Manager. These individuals throughout the years have provided a safe haven for our students in answering questions of an administrative nature. Our Training Institute would not be able to function without these dedicated people.

Ronald L. Pollard

Chicago Section Training Institute Director – 1985 to 1990

Wow! I guess I need to start remembering how the Training Institute was back in the 70s. My memory for names may not be too good but here goes.

When Bob Blaney resigned, I took over the Institute. Now Bill I am unsure of the sequence of events but I can tell you what we did. The Chicago Section about that time had little money and the Institute was not necessarily making money for the section. The format in those days was sixteen- week courses two times a year. After discussions with various members we developed a format of three ten- week sessions for various subjects and we expanded the types of classes that we had. My memory fails me as to how many. We also decided to raise the fees. By having three sessions a year instead of two and charging more than we did for the sixteen-week courses we began to make some money to support additional Section activities.

Now my memory is weak. Somehow John Blazejak was involved and I think he asked me to develop a Reliability course and if he did not someone did. I am not sure whether in doing this assignment I was the Director of the Institute at that time. Anyway, I developed three courses for Reliability. The number of people taking that course was never very large perhaps on the order of ten to twelve people. However the success rate was very high as regards those taking these courses and obtaining their Reliability Certification; it was close to 100% for those who took the exam.

While I was Director, we also revamped the Two-Day program. The original instructors were getting on in age and were planning their retirements; they cautioned us that soon they would not be available. Also, I believe that attendance fell to less than twenty at that time. I had to take the bull by the horns so to speak and replace them with younger instructors. We also updated and supplemented the original Two-Day manual. We also made more modern slides and overheads and expanded the advertisements and raised the cost for attendance at the seminar. All these changes amounted to having attendance increase to over a hundred participants. We were on our way! We also used the talent within the section to perform the teaching! Although I doubt that you have a hundred people every year I believe this program is still successful to this day.

We also continued the practice started by Jack Blazejak of teaching in different locations. Anyway, we had difficulty in obtaining the days we wanted to teach at North Park College; as a result of this problem we moved. We began to get more participation by the members because the locations were better. I believe latter on, this approach was expanded to additional locations in the suburbs.

We hired Frank Colby to serve as permanent Site Manager and I am deeply grateful for his help and assistance. If you notice, I mentioned the word “hired”. When I took over the Training Institute, I continued the policy begun by Jack Blazejak of compensating instructors for more than their personal, out-of-pocket expenses. Part of this was the fact that the Chicago Section had little money to pay people and also the philosophy at the time was that it was expected that as a professional you were obligated to help teach the quality philosophy to new people. Well times change. We began to “make money” from the new training courses and the new Two-Day program. As a result I made a survey of sections around the country and found that many were paying their instructors. I made a decision that the Chicago Section would also do that, at least to the extent that we would cover the Instructors expenses and perhaps a little extra for their efforts. The quality of people available for teaching increased partly for this reason. With more teachers available we also had to continue the program of selection of instructors. One thing leads to another! We also continued a student feedback program to obtain ideas of how good our instructors were and what changes were needed to improve.

George Alukal

Chicago Section Training Institute Director – 1990 to 1994

George Alukal took over as Director of the T.I. at the request of the then Section Chair, Nellie Dujua, when the previous Director, Ron Pollard, resigned. The Board approved the appointment unanimously. When Alukal was elected the Vice-Chair for Section Affairs in 1994, he resigned the post of T.I. Director after four years of service in favor of William (Bill) Lieberman. Bill very graciously agreed to serve as Director (because, he said, “even old dogs can learn new tricks” and this time he wanted to get it right).

During the 1990-1994 period, the T.I. expanded with new courses in ISO 9000, QS 9000 and Certification Refreshers for the CRE, CMI AND CQT. A few successful one-day seminars were also held on Saturdays. Total registration (including the one-day and two-day offerings) reached over 800!

During this time, contractual, in-plant courses were presented at American Decal, U. S. Robotics and Fel-Pro.

With the help of Gil Sorber, a new Saturday morning location was found at the Roosevelt University facility in Arlington Heights; later the Saturday classes moved to Schaumburg when Roosevelt relocated to its own Albert Robbins Campus there.

Every other summer, new instructor selection was done to expand the pool of instructors and to develop new course offerings to serve the changing needs of ASQ members.

The Associate directors, who served selflessly, included William Lieberman, Alex Ratkus, John Nowak, Tom Banasiak and Dennis Diette; the Site manager was Frank Colby and as the T.I. Secretary we had Mary Butkus (for two years), LaVerne Wach (for one year) and Bonnie Moudry (one year term).

Peggy Bowling

Chicago Section Training Director –2001 to 2002

When I was asked to contribute to this historical overview, I questioned the value of what I could contribute as the current Director of the Training Institute since I was the one with the least exposure to its history. When I was first approached about taking on the role of Director, I was not interested. I was just about to finish my second year as Treasurer and to begin what I anticipated to be two terms as Vice Chair of Section Affairs. I had planned to spend that time working on the infrastructure of the Chicago Section Executive Board. The economy was bad, class attendance has fallen by 47 percent since 1944, and the Training Institute had been administered by a committee of four Associate Directors for a year. At that time I had been an instructor for several years but had never been an Associate Director. I did not feel that I was the most qualified candidate for the position. However, after serving as Treasurer for two years, I had a pretty good idea of the activities and finances of the Training Institute; and I was aware that the year that was just ending was on the verge of ending in the red. It was clear to me where the immediate needs of the Training Institute lay.

Although I really did not know what was in store for me, I knew I could count on the support of the very knowledgeable and experienced Associate Directors, so I decided to take the position. I was fortunate that George Alukal and Bill Lieberman were available to answer questions for me. Unfortunately Bill Lieberman resigned as Associate Director shortly after I accepted the position. Bill promised that although he was “retiring”, he would still provide assistance when he was able. Bill’s resignation left a large gap to be filled. Thankfully, Jack Blazejak agreed to serve as Associate Director. Jack was not the only new Associate Director that year. John Joyce also joined the ranks, taking on the certification exam review classes.

There was not much time to make changes before sending out the brochures, but we were able to make quite a few considering the time frame. We added several new courses as well as a much-desired northwest location, William Rainey Harper College in Palatine, and updated the course fees. Due to the financial conditions and the anticipated impact of the economy on an enrollment that had already decreased ~50% in 7 years, it was obvious that some changes needed to be made in order to continue the two-day workshops. We added a couple of one-day workshops and changed the location from a hotel to DePaul University’s O’Hare Campus

In an effort to delight our customers (students), we offered Saturday classes in two locations in the fall and winter along with a third location for Tuesday classes. In the spring, we offered only one location for Saturday Classes, and used the second location for Monday night classes. The suffering economy was taking its toll on enrollment, and the terrorist attacks our country faced in September 2001, had additional negative impacts on the economy. The Training Institute weathered the economic conditions, making accommodations to serve our members during those tough times.

As I write this, we have recently begun our fall trimester for 2002-2003. The economy is still suffering, but our members and staff are strong. We have added more classes including Design of Experiments II and III to compliment the Design of Experiments class which was added last year. We have also developed a new relationship with the Management Association

of Illinois which provides us additional exposure and marketing for our courses as well as providing a new location. We will be offering a two-day workshop this fall in addition to our one-and two-day workshops in the spring.

Recently, we have lost another Associate Director, Tim Surratt, who has been replaced by Rama Shankar. Tom Banasiak is planning to retire as Associate Director after this year. In addition to replacing Tom, we will also be considering new instructors to join our staff. The changes continue as we strive to serve the education and training needs of the members of the Chicago Section of the American Society for Quality. I am anxious to see what lies ahead during this year, the fortieth anniversary of the Training Institute.

Education Committee and Training Institute Staffs – 1954 through 2002

This list of the many people who have contributed to the Chicago Section's continuing educational activities has been taken from existing records and from human memory. Sincere apologies are extended to any persons who have inadvertently been omitted.

Alukal George	Chidel, Richard	Gartland, William O.
Anderson, Milton A.	Ciszewski, Lawrence M.	Gatzke, Walter J.
Andrews, Carolyn P.	Close, Kevin	Gervasio, John
Arellano, Jerry	Colby, Frank J.	Gettemans, John F.
Arora, Navin,	Coleman, Malcolm	Gibbons, Patrick J.
Banasiak, Thomas E.	Cubalchhini, Linda	Giemsoe, Howard
Bartholomees, G. Hugh	DiAngi, Paul J.	Gierke, Dale
Baxter, James D.	Diette, Dennis	Goettel, Robert
Bechtold, Michael	Dittrich, John	Golomski, William A.
Bergrud, Robert W.	Dolan, Daniel	Haas, Robert
Blaney, Robert	Dominguez, Carlos	Haertel, Ralph
Blazejak, John J.	Donovan, William L.	Harper, Frank W.
Boe, Howard E.	Druckman, David	Haskins, Robert W.
Booth, William E.	Druckman, Lynn	Hegde, Shannkar
Bowling, Peggy	Dujua, Nellie G.	Heisner, Stephen W.
Breisch, Walter	Dummer, Sheldon	Henry, John A.
Brooks, Alvin G.	Dyck, Franz W.	Hoffman, Alan B.
Brown, Daniel,	Dymitro, Leo	Hoffman, John
Buettner, David J.	Edfos, Hugh	Ilker, Gary
Burr, Irving W.	Ehelicher, Mark	Ingram, Harry F.
Carr, Kenneth	Florey, Joe	Jacobson, Arthur
Chiarlott, Fred	Freeman, Donald	Joyce, John

Juraszek, George J.	Ng, Austin	Stenecker, Robert G.
Kauffold, Pat	Nowak, John	Straka, Frank
Kawakami, Jay	Ogden, John E.	Storer, Robert
Kipnis, Raymond A.	Pagel, Richard A.	Subbarao, Kishorre
Klappal, Richard	Peach, Robert	Surratt, G. Timothy
Knowler, Lloyd A.	Pearson, Eric	Sutherland, Marjorie L.
Krch, Edward	Perry, Ernie	Sykes, Vincent
Kressner, William	Persky, Burton	Szymanski, Earl T.
Kubala, Roman	Peters, Donald	Tang, Christopher
Kuffner, Peter K.	Pettigrew, David	Tarver, Mae-Goodwin
Langdon, Rush W.	Pheatt, Charles	Tenney, Robert I.
Lauer, John C.	Pollard, Ronald L.	Thompson, Brenda
LeGault, Joseph	Powell, Benny	Tiemstra, Peter J.
Levin, Howard	Quin, Ralph, Jr.	Tollefsen, Wayne
Lieberman, William L.	Ratkus, Alex	Tornberg, John
Lloyd, Robert	Reid, Frank E.	Tozydlo, Ronald
Loss, Robert	Renda, Frank	Trail, Jean
Louer, John C.	Reynolds, Jim	Tralmer, Leonard
Lucas, Bill	Reynolds, Patrick C.	Tremmel, Peter H.
Madziarczyk, William F	Rimkus, Arthur	Vaitekunas, Algis
Majeski, Robert W,	Rivota-Ortega, Eliazer	Van Meter, Howard
Manos, Anthony	Rokosz, Walter	Villatoro, Helmer
Mason, Savannah	Rutkowski, George J.	Vodin, Ulrich
Matz, Charles L.	Ruzicka, George	Wach, Mrs. Laverne N.
Mauch, Peter	Schatz, James	Wayne, John P.
McClory, Michael J.	Schneider, John V.	Weaver, Frank
McInerney, Dennis	Schultz, Thomas	Weiss, Andrew
McMahon, Robert	Shankar, Rama	Weiss, Anna
Mewes, Alfons N.	Sherman, Donald	Wescott, Mason E.
Meyer, Rosmarie	Sieben, Leo R.	Wideman, Richard
Micklewright, Michael	Sing, Harnard	Williams, Robert J.
Miller, John D.	Sone, Miguel A.	Williams, Toni
Miller, Judith	Sotonoff, Morris	Wilson, Steve
Myers, Robert	Spicer, Harold R.	Zdzieba, Kenneth J.
Nero, Leonard	Stankiewicz, Anthony.	Zegel, Doris
Neuhengen, Walter	Starkey, Jess L.	