



California Society for Healthcare Engineering, Inc.

**CSHE'S HISTORY...
1970-2000**

...as I remember it.

By Bill Schneider

ACKNOWLEDGEMENT

In 2000 Roger Richter, Executive Director of California Society for Healthcare Engineering, Inc. suggested that I consider writing the history of CSHE. At first I hesitated, recalling that this would cover a thirty-year period. Giving it a second thought, I have always had a strong interest and involvement in the Society so decided to take on the chore.

Carol Voss, was the first Executive Secretary of CSHE in the 70's. She was a tremendous help in editing the copy concerning those formative years and I say many, many thanks Carol for your support.

Barbara Schneider, Executive Secretary and eventually Executive Director, helped to jog my memory concerning events in the 80's.

Finally, the Newsletters were a great source of information with reference to the growth and activities of the Society during this 30-year period.

All of this would never have been put on paper without the support and help of my wife Barbara who did all of the word processing for the final text. Thank you for your help in capturing the history.

Finally, I apologize for any oversights and errors with names and events. I tried to recognize as many people as possible who contributed to the growth and success of the Society. The words reflect what the eyes and ears of one person saw and heard as things happened and became history.

Bill Schneider

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**A JOURNEY OF MORE THAN THIRTY YEARS
FROM....
CALIFORNIA HOSPITAL ENGINEERS ASSOCIATION
TO
CALIFORNIA SOCIETY FOR HEALTHCARE ENGINEERING,INC.**

The 70's

What are these two names? They are the original and the present titles of a professional society for healthcare engineering which has grown and developed exponentially in California for over thirty years. In the following pages, we hope to cover the chronological story of this society as best as we can recall, relying on old Newsletters and multiple memories.

On October 28, 1955 four hospital engineers, Ray Copper of St. Francis Hospital, San Francisco, David Arnst of St. Luke's, San Francisco, Paul Baker of Merritt Hospital, Oakland and Frank Jameson, San Jose Hospital, met to discuss the formation of what they then called the Northern California Hospital Plant Operations Association. In April 1956 the 11 charter members elected Ray Copper as first president, Gerry Moeller of Children's Hospital in San Francisco, vice-president, and Frank Jameson of San Jose Hospital, secretary-treasurer.

The Los Angeles Metropolitan chapter was formed in 1959 with 21 charter members. With help from Joe Davis the Inland Chapter began with 8 charter members from Riverside and San Bernardino counties in January 1967. The two chapters periodically met jointly for educational programs.

At a Western Hospitals conference in 1969, Bob Mack of the SF chapter and Tom DuBoise of the Los Angeles chapter discussed the possibility of forming a statewide organization. At the Western Hospitals Conference in San Francisco in April of 1970 it became a reality. Carol Voss was named State Secretary/Newsletter Editor and the first board members of the new organization, California Hospital Engineers Association (CHEA), were elected:

Bob Mack, San Jose Hospital - Chairman
Tom DuBoise, La Mirada Community Hospital - Vice Chairman
Howard Meiners, Hollywood Presbyterian Hospital - Secretary
Henry Pontziou, El Camino Hospital, Mountain View - Treasurer
Harold Flinn, Brookside Hospital, San Pablo
Leonard Kanturek, St. Luke's Hospital, San Francisco
Bill Terry, Children's Hospital, San Francisco

The first official business of this board was to send a letter to every hospital administrator in the state announcing the formation of CHEA and urging them to have “their engineering staff represented in the membership to assure professional excellence which every hospital administrator desires to provide for patients”. The letter told of over 100 hospitals represented in CHEA and that the goals of the society were “...to provide continuous education concerning equipment and codes through seminars, institutes, monthly chapter meetings and newsletters; to strive for more efficient plant operation, and to better qualify the engineering department head to assist in making decisions regarding the mechanical operation of the hospital.”

The organization’s logo, created to symbolize its vision, was inscribed “Better Patient Care Through Progressive Engineering Knowledge” and with this and the stated goals as the main impetus of the newly formed group, the annual Institute, an educational and networking opportunity, was created.

Bill Terry took over as state chairman in 1971 and Bob Mack undertook the task of staging the first Institute, with the State Secretary assisting. Prior to the first Institute held in May 1972 at the Miyako Hotel in San Francisco, San Diego became fourth in the chapter lineup with 14 charter members. The June 1972 CHEA newsletter reported the following:

“Seventy-one hospital engineers from 59 California hospitals gathered for 2 days - evaluation sheets overwhelmingly indicated that Chairman Robert Mack and the State Board had scored a ‘direct hit’ of success. Eight programs ranging from engineering management to electrical hazards drew applause - one of the highlights of the two-day session was the banquet on Thursday evening and an impromptu barbershop quartet accompanied by an engineer’s talented wife/pianist. As the Miyako was a Japanese hotel, so was the cuisine, and a legend was born when Ray Nemeth of St. Joseph’s Hospital in Orange, CA led an evaluation sheet crying “NO MORE GREEN TEA ICE CREAM!”

The second annual Institute was held in the fall of 1973, once more at the Miyako, but from then on subsequent institute locales alternated among the Los Angeles, San Francisco and San Diego areas in April or May of each year. The popularity, scope and attendance grew steadily.

The seven-member state board, composed of the chapter presidents, vice presidents and the past state chairman, met quarterly but quickly realized that a two-year chairmanship term would be more productive. Bill Terry was re-elected to a second term in 1972-73 and Joe Davis, then of Loma Linda University Medical Center and president of the Inland Chapter, was elected third chairman. The total annual budget, based on chapter dues, contributions and profits from the Institute, was set at \$4,500.

Bill Schneider of Kaiser Foundation Hospitals in Oakland, president of the San Francisco chapter, was elected State Chairman in 1975. At this point, the organization claimed 290-hospital engineer a member in 180 hospitals and it was apparent that this growth

necessitated some major changes - most notably the name change to the California Society for Hospital Engineering, Inc. This change was intended to more clearly define a membership open to facility, biomedical and telecommunication engineers, all of whom work closely together in medical center management. It also prompted some highly intense discussions throughout the chapters. Bill Schneider met with the Los Angeles chapter to clarify the name change. After much discussion, Bob Piepenbrink of Kaiser Hospital Los Angeles, president of the Los Angeles chapter, made the motion to accept this name change, and a new chapter in the organization's history was begun. The budget was increased to \$7,500 to cover the cost of reprinting all of the society materials and the official red logo color was chosen as a take-off on "IBM blue". A graphic artist was hired to design the membership brochure, Newsletter masthead, and stationery. The organization was now prepared for growth that was to take place in the next five years.

The third Annual CSHE Institute was held in May 1974 aboard the Queen Mary in Long Beach, California. The Board of Directors asked Bill Schneider to establish a Code Review Committee, which would report changes in current and/or new regulations to the membership through a code newsletter. Contacts were established with the California Department of Health, Joint Commission, and the National Fire Protection Association. Bill Walker, Pacific Medical Center, Long Beach and John Pryor, Kaiser Permanente, San Diego joined Bill as members of the CSHE State Code Review Committee. In the spring of 1975, the code review newsletter became a regular part of the Society's quarterly newsletter. This effort was the beginning of a very strong advocacy program on behalf of the Society and it continues today. The duties of State Editor Carol Voss were expanded to include those of State Executive Secretary of CSHE, handling membership files, information retention and distribution.

The fourth Annual Institute was held in April 1975 at the Holiday Inn, San Francisco with the annual banquet at the Naval Officers' Club on Treasure Island. Rounding everyone up to return on the chartered buses was a memorable event in itself, only bested by the songfest returning to San Francisco.

And then everything went red! Bill Schneider felt strongly and with the Board of Directors' support, it happened with the spring '76 edition of the newsletter printed in red. Bill always used a red felt pen during his term. As part of the change, all printed materials, stationery, and the newsletter banner were redesigned and the very first membership brochure was developed at the same time, all printed in red, of course. The brochure described the purpose of the Society and encouraged individuals to join CSHE for the benefits that could be derived from a professional society. It was a great public relations tool with both marketing and educational value.

From the very beginning, the Society encouraged plant operations, biomedical engineering and telecommunications personnel to join the Society because all, if not actually a part of the hospital engineering department, worked together frequently. In late 1975, the northern and southern chapters of the California Medical Instrumentation Association, through the efforts of Frank Yip, expressed an interest in becoming two chapters under the California Society for Hospital Engineering umbrella. The Board

strongly endorsed this merger as both disciplines worked closely together in the health care setting and State Chairman Bill Schneider and Frank Yip worked closely to resolve how these two new chapters would mesh with the existing chapters and the State Board.

Keith Siprelle, a member from Travis AFB, helped to expand our Code Review activities in early 1976 by attending code committee activities held by various state agencies and reporting their actions to keep our members up to date on proposed regulatory changes.

Pete Ritter chaired the fifth Annual Institute, held in San Diego in May 1976. Those who attended will never forget the Wild Animal Park tour when it poured rain and all the attendees were attired in trash bags with holes cut for head and arms for protection. CSHE's fifth chapter, Orange County, with 16 members, was established with Leroy Sydnes as ad hoc President and Ken King as ad hoc Secretary/Treasurer. By August 1976, our membership totaled 265.

The State Board of Directors voted to pursue a category of hospital engineering under the California Registered Professional Engineering Board. Bill Schneider held several meetings with the State Board of Registration in Sacramento, which, although it recognized the unique field of hospital engineering, felt that it had many overlaps with the mechanical and electrical engineering disciplines. They also observed that very few colleges and universities offered a four-year degree program in hospital engineering, which is a consideration for establishing a professional engineering classification. As a result, the CSHE Board elected not to pursue state registration.

Art Smith and Malcolm Ridgway were the only California attendees at the NFPA meeting in Cincinnati in November 1976 when the Healthcare Section of NFPA was established. Arch Gilchrist, President of ASHE at that time, was appointed first Chairman.

By January 1977 the Society had grown to 304 members, representing 196 California hospitals. The "State Chairman's Column" was started by Bill Schneider during his term in office as a means of communicating the State Board's actions to the membership and continues as a feature of the Newsletter today. The spring of 1977 saw Norm Martinson of U.C. Medical Center, San Diego becoming the fifth CSHE State Chairman with the following chapter presidents as members of the Board of Directors:

Al Goddard, Goleta Valley Community Hospital, Central Coastal Chapter
Tony Corona, Riverside General Hospital, Inland Chapter
Ray Nemeth, Downey Community Hospital, Los Angeles Chapter
Ken King, Los Alamitos Hospital, Orange County Chapter
Dave Petree, Mercy Hospital, San Diego Chapter
Frank Neves, Saint Francis Hospital, San Francisco Chapter

In 1977 the San Fernando Valley Engineers' Council as "Engineer of the Year" recognized Bill Schneider and Joe Davis of San Diego was elected the ASHE Region 9 Director. In July of that year, Central Valley became the seventh chapter when Bill

Schneider and Norm Martinson met with an ad hoc group from that area to elect the following as officers: President - Jim Wilson of St. Joseph's Hospital; Vice President - Al Meteny of Manteca Hospital; Secretary/Treasurer - Wes Palmquist of Emanuel Medical Center. At the July Board meeting, a Long Range Planning Committee was established and chaired by Norm Martinson with Joe Davis, Tony Corona and Bill Schneider as members. This effort developed into the custom of "One Day State Board Planning Meeting" held every two years and which continues to this day. This process helped to assess the Society's goals and objectives in order to serve the members' needs.

The sixth Annual Institute was held April 13-15, 1977 at the Sheraton Universal Hotel in North Hollywood, CA. It was a very successful institute with 115 attendees. Steve Dondo chaired the event.

The Newsletter continued to thrive with pictures and print in *red*. It became the vehicle for the ASHE Region 9 report as well as the State Code Chairman's report. Carol Voss, State Executive Secretary provided her column "The Ramblings". The summer edition of the Newsletter carried Carol's announcement of accepting the position of Public Affairs representative for Kaiser Permanente's Santa Teresa Hospital in San Jose. This was to be a full-time position, but Carol proposed that she continue in her CSHE role, which was certainly appreciated by the Board.

Art Smith, then Director of Engineering for Good Samaritan Hospital, Los Angeles became the CSHE liaison to the National Fire Protection Association (NFPA). The new Health Care Section was being established during 1977.

Nineteen ninety seven-seven was the year for a severe drought in California and the need for water conservation. Flushometers were changed to use less water and bricks were dropped into water closets. Solar heating came onto the scene with preheating boiler makeup water.

The California Hospital Association established a committee on Hospital Safety and Environment. Bob Kimball became chairman of that committee. The CSHE representatives to this committee were Joe Davis, Norm Martinson and Bill Schneider. This was the early beginning of a team association with the California Hospital Association and a pathway to Sacramento Health Care Regulators and Agencies. It was also the beginning of an opportunity to voice our opinion and be heard.

As we were no longer pursuing State of California Professional Engineering registration, we turned to "Professional Development Through Education". Tony Corona of Riverside Community Hospital chaired this activity with the CSHE State Board.

In the spring of 1978 Dave Petree, President of the San Diego Chapter and State Vice-Chairman, found it necessary to retire from CSHE. The Board of Directors appointed Bill Schneider to serve out the term.

In 1978 CSHE received the Chapter of the Year award from ASHE. Carol did a tremendous amount of research in order to complete the application for this award. Two years previously the San Francisco chapter received this same award unto itself when ASHE treated each of the chapters as a single entity.

During the spring of 1978, Joe Davis ASHE Region 9 representative, received the approval of the ASHE Board to consider CSHE as one ASHE chapter rather than seven chapters existing at that time. We were the only state with that many chapters and this gave us the strength to win a Chapter of the Year award every year.

At about the same time, Tony Corona, Board member, brought the Society back to its roots by emphasizing educational programs for professional development of our members. He endeavored to work with schools and universities to develop focused programs for hospital engineering - if we could develop member interest. It never came to pass, but education of the members continued as the focus at the Annual Institutes.

The seventh Annual Institute was held at the Oakland Airport Hilton Hotel April 5-7, 1978. Room rates were \$25 for singles and \$35 for doubles! This Institute had the largest attendance to date. It also offered the concept of a dual track program for plant engineers and clinical engineers and this concept was carried on for many Institutes.

Bill Schneider brought the subject of cost in putting on an Institute to the attention of the Board as he planned the seventh Institute. He suggested the idea of a vendor show, charging a fee for a booth. Nick Truog, Superintendent Buildings and Grounds at Kaiser, San Rafael was in charge of this first CSHE vendor show. There were 20 vendors literally using card tables in the registration area of the Oakland Hilton Hotel. The State Board had mixed emotions about bringing vendors to our Institutes. The feeling was that the vendors would wine and dine certain attendees and cause them to miss the technical sessions. Other Board members were in favor of having a vendor show, as the income generated would help to underwrite the cost of the Institute. The first vendor show was successful for the vendors and for CSHE and was the beginning of a growth that reached 100 vendors utilizing 10' x 10' booths in an exhibit hall. The vendors paid a fee for their booth and this helped to increase the profitability of the Institutes. These vendor shows continued until the late 1990's.

Carol Voss, Executive Secretary, continued publishing a quarterly CSHE Newsletter. This four to six page quarterly Newsletter - always printed in red - contained the State Chairman's column, a State Code Review prepared by Bill Schneider, and a technical article from a chapter member, which provided information to the membership.

For some time, Norm Martinson, State Chairman, had encouraged the chapters to offer mini seminars in their areas for member attendance. Again, all of this was focused on the Society's mission of educational opportunities. Orange County chapter and later the San Diego chapter were the first two chapters to offer such programs. Orange County charged \$10 for registration and the profit went into their chapter treasury. In the latter

part of 1979, Norm Martinson retired as Plant Superintendent at U. C. Medical Center, San Diego. He had previously retired from the Navy as a Lieutenant Commander.

The American Society for Hospital Engineering planned to hold their Annual Institute in San Francisco during June 1979. This meant that CSHE would be the host for all aspects other than the program. Bob Mack and Nick Truog co-chaired a committee to handle this responsibility. ASHE had never had vendors participate but at the last minute Bob Mack convinced their Board to approve a vendor show. Unfortunately it was too late, the hotel only had some space available in the parking garage. The committee felt this would not work. In the following years, ASHE pursued vendor shows vigorously, growing to over 200 participants. The CSHE committee implemented the yellow jackets for the ASHE Institute as a means of identifying local committee members for assistance. This was a take-off to the Century 21 real estate brokers who wore yellow jackets!

June 1979 saw changes in the Society. Carol Voss retired as Executive Secretary after nine years of service. She agreed to stay on as the Publication Editor for the Newsletter. Carol brought an ever-increasing level of professionalism to the Society. Her writing skills were superb. In 1977 Carol, in conjunction with Bill Schneider, presented an article for publication entitled "Developing Your Hospital's Biomedical Engineering Skills". It was published in the November/December issue of Hospital Forum. It was the first article by CSHE members printed in a professional magazine.

For nine years Carol handled all details of membership and institutes including preparation of the program, mailings and registration of attendees. She prepared and wrote for the Newsletter and was responsible for the printing and mailing. Her ability to speak as well as write helped in recognizing the Society and aided in its growth as a professional organization.

The State Board searched and elected to retain Barbara Schneider as Executive Secretary. With Bill continuing to be active in CSHE, it seemed a perfect match. Their home in Moraga became the home office for CSHE.

Norm Martinson completed his term, as State Chairman and Al Brown became the new State Chairman. Al was Director of Management Engineering at Children's Hospital and Health Care Center in San Diego. Nick Truog, the President of the San Francisco chapter and Superintendent of Buildings and Grounds at Kaiser; San Rafael was elected State Vice Chairman.

New Board members were Mel Bergvall (President of Inland chapter), Paul Hanley (President of the Los Angeles chapter) and Wes Palmquist (President of Central Valley chapter).

In October, 1979 Tom Gaines, Chief Engineer at Kaiser Medical Center, South San Francisco was recognized by the South San Francisco Fire Chief and received an award at a luncheon. Tom had done considerable work on developing a fire prevention and evacuation program for the medical center.

The 80's

At the January 1980 State Board meeting, Bill Schneider recommended an awards program to recognize members. There would be two levels - Outstanding Member and once achieved, the member could apply for Distinguished Member. The criteria for qualifying for these levels of membership were established and the first awards were to be made at the Ninth Annual Institute in May 1980. Each chapter could submit recommendations for State Board review and approval. This membership recognition has continued each year since 1980.

The first awards were given at the 1980 Institute. This institute was hosted by the Inland chapter but held in San Diego. Bob Mack received the Distinguished Award and Joe Davis and Bill Schneider received the Outstanding Award.

In the spring of 1980, Bill and Barbara Schneider, representing CSHE, visited a group of hospital engineers who were meeting in the Sacramento area. After much discussion they partitioned to become the Northeastern chapter under CSHE. This was approved at the State Board meeting in May 1980 and thus became the eighth chapter. At the same time, hospital engineers in the Fresno area expressed an interest in CSHE.

The Professional Development Committee chaired by Nick Dalba supported an idea proposed by Bill Schneider. Bill had worked out the concept with Bob Kimball of the California Hospital Association. The intent was to assist hospital engineers in the smaller rural hospitals on staying current with the JCAHO and state regulatory requirements. The mentors would be volunteers from the larger urban hospitals who could be available by telephone or even visits to each other's hospital. Although our State Board supported the concept, it never got off the ground. It seemed that it didn't matter whether you were from a small rural hospital or a large urban hospital there was little time left in the day to worry about another hospital's needs!

At the July 1981 State Board meeting, the beginnings of how to integrate the California Medical Instrumentation Association chapter into CSHE were discussed. Many of the CMIA members were vendors and vendors, at that time, could not be CSHE members. The State Board recommended, with a full membership vote, to designate the CMIA chapter as an affiliate chapter but with no voting rights. As a chapter, they would have representation on the CSHE State Board. They would schedule their own chapter meetings with the San Francisco chapter. Discussions continued for about two years but the concept of a merger was mutually abandoned for lack of agreement on how this type of chapter would fit into the CSHE structure.

Interesting changes took place in the 80's. The first woman joined the San Francisco chapter. Her name was Joyce Terrien, Assistant Director of Facilities Planning for five years at U.C.S.F. Medical Center. CSHE members were expanding their influence on a national level. Bob Mack was President-elect of American Society for Hospital Engineering and Joe Davis was Region IX Director. Bill Schneider was serving on the American Hospital Association's NFPA 101 Life Safety Code committee (since 1977),

and Art Smith of Saint Joseph's Medical Center, Burbank and CSHE Chairman of the Codes Committee, was elected to the NFPA five-man Health Care Executive Board.

In the summer of 1980, Al Brown submitted his resignation as State Chairman to accept a position outside of the hospital field. Nick Truog, State Vice Chairman, assumed the reign as acting State Chairman and was confirmed as State Chairman at the Fall Board meeting.

It is interesting to note that in 1980, CSHE published at least a four-page Newsletter every other month. It was also the beginning of the one-day seminars that provided additional revenue. Our membership was at 400 as we started the 1981.

Yes, the 1980's were exciting years for CSHE with chapter and membership growth. Bob Mack became President of American Society for Hospital Engineering, Inc., as it was known in those days. Bob inherited a deficit budget for ASHE and was determined to make it solvent. By promoting seminars and tight budget control, he brought them into the black by the end of his one-year term.

The Office of Statewide Hospital Planning and Development came into prominence during the early 80's. The 1973 San Fernando earthquake resulted in an increase of regulations dealing with seismic restraints for hospitals. In order to control compliance OSHPD assumed plan check responsibility for new and existing hospital construction. Local Building Planning Departments were no longer responsible. As the process started, OSHPD underestimated the amount of construction in the health care industry as well as the length of time to perform plan check. As a result, long delays developed and hospital engineers and their administrators became frustrated with the process. The Deputy Director for OSHPD, Saleem Farag, wanted very much to solicit the help of CSHE to educate health care personnel on the process as well as seeking input on how to improve the process. Bill Schneider suggested to the CSHE Board of Directors that we develop one-day seminars to serve the purpose of educating our members as well as becoming a revenue source for our treasury. Bill worked closely with Saleem Farag to develop several one-day programs over a two to three year period. Because the faculty was made up of OSHPD architects and engineers OSHPD could not accept reimbursement for their travel as they were State of California employees. The one-day programs were held in the Bay Area as well as in Southern California, usually within a week of each other. One program was held on a Wednesday in the Bay Area and then Bill and Barbara flew to Los Angeles to conduct a program the next day. Registration fees were kept at a reasonable level and attendance exceeded the numbers at the Annual Institute. One session in Southern California had over 200 registrants.

Mid-year seminars and one-day seminars continued for several years on selected subjects of current interest to healthcare engineering. The locations of the mid-year seminars were rotated between Northern and Southern California. These educational programs were so successful that in one year the profits flowing to the treasury totaled approximately \$52,000, which included the OSHPD seminar and other one-day seminars.

Barbara Schneider, as Executive Director, set up the CSHE office in her home. It was complete with computer, typewriter, copy machine, file cabinets, supplies, etc. Chapters forwarded all new member applications for inputting into the computer database. With the help of Mike Kandarian, Treasurer of the San Francisco chapter, the membership database was set up with a great deal of flexibility. Many Saturday or Sunday afternoons were devoted to this work and Mike's "pay" was a home-cooked meal with the Schneiders! Barbara could print out lists of members by chapter, life membership, tenure, members working for a given organization, i.e. U. C. Medical Center, Kaiser, etc. She handled all of the registrants for the educational programs; including badges, meal tickets and handout materials, plus the vendor exhibit show and the Newsletter. It slowly developed from a part-time job to over a 40 hour a week job as the membership grew from 400 to 900 members by the end of the 80's.

In December 1980, Al Brown passed away after a very short illness. Al had resigned as State chairman in the early part of the year.

At the end of 1980, Carol Voss resigned as Publication and Circulation Manager for our Newsletter. Her full time duties at the Kaiser Medical Center in San Jose did not allow for her to continue in this role. Carol's professional expertise in writing and managing our Newsletter made it extremely difficult to replace her. Al Meteney of the Central Valley Chapter stepped forward to handle the advertising duties. This position was growing as advertising fees were needed to cover the increased cost of printing and postage. Norm Martinson eventually became Publications Manager.

During the early 80's, there were four quarterly Newsletters (with a minimum of four pages) plus a (two-page) Newsletter Update published the other eight months. Barbara handled these publications with help from Bill. "Johnny Appleseed" (chapter news) appeared in the quarterly issues with Bill preparing the Code Review as CSHE State Code Chairman.

In the spring of 1981, the Tenth Annual Institute was held in Sacramento and chaired by Wes Howard of the Central Valley chapter. The State Board decided to put more emphasis on State Regulations and asked each chapter to appoint a code representative to serve on the State Code Committee. This was probably the beginning of our focus on state regulations, which has continued on today through the California Healthcare Association.

At this same Board meeting, Nick Truog became State Chairman with Don Bender assuming the duties of Vice Chairman and Treasurer. Don had served the past three years as Secretary-Treasurer. Nick Dalba was appointed Secretary of the State Board.

The Inland chapter won a \$50 bond for offering the best idea for the masthead and the naming of the Newsletter as "CSHE Engineering News".

Bob Gray of the Los Angeles chapter, Art Smith, NFPA, Los Angeles chapter, Bob Kimball of California Hospital Association, Tom Schipper, Bio Med, Los Angeles

chapter and Bill Schneider, Life Safety Code, San Francisco Chapter chaired the 1981 State Code Committee.

Distinguished and Outstanding members recognized in 1981 were as follows:

Joe Davis, San Diego chapter, Distinguished Member
Bill Schneider, San Francisco chapter, Distinguished Member
Norm Martinson, San Diego chapter, Outstanding Member
Nick Truog, San Francisco chapter, Outstanding Member

During the summer of 1981, the Boards of AHA and JCAH established its first committee on Hospital Safety. It was the beginning of establishing the Plant Technology and Safety criteria for Accreditation. CSHE had Malcolm Ridgway and Bill Schneider serving on this first committee.

Inflation finally caught up with CSHE and its dues went to \$25 as of January 1, 1982. This was the first increase from the original \$10 in 1970.

During 1981 and 1982, the Newsletter added the overview of the State Board's meetings. This was suggested as a means of keeping the membership informed of activities at the State Board level.

The 11th Annual Institute was held in May, 1982 and hosted by the Los Angeles chapter. It was held on board the Queen Mary, which was permanently anchored in Long Beach Harbor. Al Childers of the Los Angeles chapter was the Master of Ceremonies. Al had had some previous involvement with a scholarship program and it was on the Queen Mary that the beginning thoughts started to develop for what would become The Robert Mack Scholarship Foundation.

The San Fernando Engineering Council recognized Roland V. Roggero, Immediate Past President of the Los Angeles chapter for his contribution to the Engineering and Scientific Communities. Don Bender, State Board Treasurer, received the Distinguished Member Award and Pete Ritter, the first President of the San Diego chapter, received the Outstanding Member award.

It was during this period of time that each chapter forwarded their chapter Minutes to each State Board member. Each chapter President attending the Board meeting was expected to report to his chapter members at their next chapter meeting any Board actions taken. The "check and balance" as to how well this was happening was in reviewing the chapter Minutes. As usual, some chapters did well and some did poorly.

Joe Rieger, a founding member of the San Francisco chapter, was recognized by his own hospital in September 1982. As Director of Plant Operations at Alta Bates Hospital in Berkeley, Joe spearheaded a \$370,000 energy program over a four-year period.

In November 1982 CSHE membership grew to 500 members.

As of January 1, 1983, the Office of Statewide Healthcare Planning and Development took on the implementation of all hospital construction. In order to fund this process, they proposed a 1.8% fee on the estimated new construction cost. Bob Gray, State Code Chairman, Los Angeles chapter and Wes Howard, Bob Mack and Nick Truog held public hearings in the fall of 1982 with written comments in attendance.

The State Board held its first two-day Board meeting with one day devoted to long-range planning and assessment of CSHE strengths and weaknesses and setting goals for the next two years.

On January 1, 1983 Joe Davis became President of the American Society for Hospital Engineering, Inc. Joe had served as Region 9 Director previously.

In 1983 the various educational programs as well as the chapter meetings were fulfilling the educational mission of the Society. The Board of Directors was searching for other venues. Bill Schneider proposed that the Society establish a scholarship program to financially assist people seeking further education. Al Childers from the Los Angeles chapter had some experience with scholarship programs and agreed to work with Bill to set up a program. CSHE funds provided the scholarship funds and the first award of \$1,000 was given in 1984 to Bryan Holland, son of Ted Holland. Al Childers dropped out of the Los Angeles chapter and Bill took over the future direction of the scholarship program. In those days \$1,000 was not a lot of money to underwrite further education. With this in mind, Bill approached the CSHE Board of Directors in 1985 for what he called "seed money" in order to create an investment that would provide interest and dividends greater than \$1,000 per year. Bill was aware of a CSHE/CD in the amount of \$30,000 that was coming due and that was the "seed money" he wanted for the scholarship investment. After a lengthy discussion, the Board approved giving the \$30,000, however, there was one negative vote. Pete Peterson, who was State Treasurer, was totally in favor of the scholarship program but worried about CSHE parting with that amount of money.

The Scholarship Foundation retained an attorney to establish a Trust Agreement and to file for a ruling with the Internal Revenue Service and the Franchise Tax Board as a non-profit charitable foundation. The Board of Trustees for the scholarship foundation was made up of past State Chairmen of CSHE. In recognition of Bob Mack as the first CSHE State Chairman, the program became The Robert Mack Scholarship Foundation. The rulings from the IRS and the Franchise Tax Board became effective in July 1986. Original Trustees were Bill Schneider, Chairperson; Don Bender, Secretary-Treasurer; Joe Davis, Bob Mack, Norm Martinson and Nick Truog. Interest and dividends from the principle became the source of scholarship awards each year. Contributions over the years came from the chapters, the CSHE State Board, individual members and vendors. In 1986 there was a \$1,000 award and two \$500 awards. In 2002, awards available grew to one \$4,000 award, two \$2,500 awards and one community service award in the amount of \$1,000.

It should be noted that the CSHE State Board of Directors provided scholarship funds for 1984-1986. When The Robert Mack Scholarship Foundation received its exempt Charitable Trust status from the Internal Revenue Service and the California Franchise Tax Board in 1987, the Foundation became a separate entity and provided the awards from their investments.

The 12th Annual Institute was held in April 1983 at the Hyatt Hotel in San Jose. The theme for the Institute was "You and the Computer". At this Institute, Don Bender, Inland chapter president, was elected by the Board to be State Chairman. Don had been very active with CSHE having also served as State Board treasurer since 1975. Don was recognized as a Distinguished Member while Joe Viera, San Francisco chapter and Bob Gray, Los Angeles chapter, received their Outstanding Member awards. Bob was also recognized by the San Fernando Engineering Council and was awarded the Engineer for '83 Merit Award.

In May 1983 OSHA finally issued a proposed standard to reduce the emissions of Ethylene Oxide into the air stream. This started a long controversy over how best to do this and at what cost. It was also the beginning, along with asbestos previously, of identifying other items that created the hazardous materials management in health care.

In addition to Don Bender as State Chairman, Nick Dalba, previously Secretary of the State Board and former President of the Central Coastal chapter became Vice Chairman. Wes Howard, Chairman of the 1981 Sacramento Institute and President of Central Valley chapter became Secretary.

The State Board, with a prime focus on membership needs, established an Education Committee and encouraged the planning of a two-day fall seminar in Ontario on Disaster Planning. Don Mills of the San Francisco chapter headed up the Membership Committee to work with each chapter on growth. The Advisory Board, consisting of Past State Chairmen, helped each of the committees with ideas for success.

In May 1983 Wes Howard was appointed ex officio member of the State Building Safety Board. This was the beginning of CSHE having membership and representation on various state regulatory committees.

The feature article in the June 1983 Newsletter was the "Great Quake" with suggestions on how to deal with the aftermath. That great quake finally happened in 1989 in the Oakland/San Francisco area.

The Annual ASHE conference was held in Hot Springs, Arkansas and was well attended by CSHE members. Joe Davis, President of ASHE, received his Fellow and Tom Schipper his Senior Level of Membership. Bill Schneider was awarded ASHE's first Personal Recognition Award for his contributions to the field of hospital engineering nationally.

Our membership was growing and in a three-month period, 64 people had joined. This brought the membership to over 500.

Len Kanturek, San Francisco chapter, became a Life Member. Al Childers, Los Angeles chapter and State Code Chairman was filling the Newsletter with code related issues. The September Newsletter had grown to 12 pages.

The November 1983 mid-year seminar on Earthquake Preparedness was held at the Registry Hotel in Irvine with 120 attendees. The subject was very timely since the Coalinga earthquake had occurred earlier that year. Tom Schipper of the Los Angeles chapter put together an excellent agenda.

At the November 1983 State Board meeting Barbara Schneider was promoted from Executive Secretary to Executive Director. This gave her additional responsibilities in coordinating the Annual Institute and mid-year seminars.

The OSHPD process for plan check of all hospital construction came into hospital focus with as much as a 20 week wait for a plan review. After several meetings with OSHPD personnel in Sacramento, they finally lifted a hiring freeze. CSHE took a very positive role in bringing this decision to fruition.

Tom Hoey, a charter member in CSHE from 1972 passed away in early 1984. He served as President of the San Francisco chapter in 1978 and retired in 1979 as Chief Engineer at Kaiser Permanente Medical Center, San Francisco.

The 13th Annual Institute was held in San Diego during May 1984. Its theme was "Hospital Engineering as Part of the Management Team". There were 79 vendors exhibiting at this Institute.

Special recognition was made to Norm Martinson, Bill Schneider and Mike Kandarian for their countless hours of work to enhance the CSHE organization. Mike, Plant Superintendent at Kaiser Permanente Medical Center, Santa Clara, developed CSHE's first computerized membership program. This program was a great help to Barbara Schneider for several years in locating members by chapter, by hospital affiliation, etc. 1984 was the year when CSHE made available 5, 10, 15 and 20-year membership pins. The JCAHO issued its new guidelines under a new section referred to as Plant Technology and Safety. Malcolm Ridgway and Bill Schneider served on that committee chaired by Ode Keil of the Joint Commission.

The second in the series seminar on Earthquake and Disaster Planning was held in the fall at the Hilton Oakland Airport and chaired by Nick Truog.

ASHE recognized CSHE for its activities with a gold award for membership, growth, Institutes and educational seminars as well as the Newsletter. CSHE continued to win such awards in future years.

Ted Holland, President of the Los Angeles chapter, was elected ASHE Region 9 Director and Tom Schipper, CSHE State Code Chairman, was elected to be Clinical Biomedical representative on the ASHE Board. Both assumed their duties on January 1, 1985.

In November 1984, Wes Howard, Tom Schipper and Bill Schneider held their first meeting with the State Fire Marshal. OSHPD representatives also attended the meeting. This effort was on going to help to reduce the amount of time it took to process hospital plan checks. It was intended to better understand each other's needs.

Effective January 1985 Barbara Schneider relinquished her duties as Publications and Circulation Manager for the Engineering Newsletter. She needed more time to devote to handling the Institutes, and other seminars, and the membership records, etc. LaVon Ritter, with photography assistance from Pete Ritter, assumed the responsibility for publication of the Newsletter. This gave us two husband and wife teams who contributed to the Society's stability and growth. LaVon and Pete continued in this capacity well into the mid 90's when the CSHE state office took over this work.

In March 1985 the beginnings of Hazardous Material Management appeared on the scene dealing with storage, handling and disposal reporting as well as labeling. The tons of medical waste leaving the hospitals became topical and seminar material for the future.

In the spring of 1985 we saw the election of Dick Taylor as President, Los Angeles chapter. It should be noted that change always develops. During the 80's we maintained a 10-12 page Newsletter on a quarterly basis. Two one-page Updates (printed on red paper!) came in-between. When LaVon Ritter became Publication Editor, the Updates went to blue paper. Change is good as long as the Newsletter is read!

In May 1985, the State Board elected Nick Dalba State Chairman, Wes Howard Vice Chairman, Norm Johnson (Northeast Chapter) Secretary and Pete Peterson (Inland chapter) as Treasurer.

In 1985 at a CSHE Board meeting held at the Kaiser Biomedical facility in Berkeley Ted Holland, who was then President of the Los Angeles chapter, raised concerns about the Advisory Committee. Established in the late 70's, the committee members were Bob Mack, Joe Davis and Bill Schneider. Each State Chairman, from Nick Truog to Don Bender had maintained the committee and its attendance at all Board meetings. Both Bob Mack and Bill Schneider had chaired more than one Institute Committee. Members of the Advisory Committee brought an insight and continuity to the growth of CSHE. Ted Holland felt that there was too much "old boy" direction and that members were somewhat intimidated and unable to express their thoughts. As a result of this concern, members of the Advisory Committee submitted their resignations and the committee disappeared forever.

Mid-Year Seminars continued with strong interest and attendance.

Nick Truog chaired the 14th Annual Institute in Oakland, CA. Lee Smith, President, San Francisco chapter and Pete Peterson, President, Inland chapter received their Outstanding Member award and Wes Howard (Past President Central Valley chapter) received the Distinguished Member award.

The Mid-Year Seminar in November 1985 was a joint effort between CSHE and the Office of the State Fire Marshal. It was held at the Fairfield Harbortown Hotel in Ventura and was very well attended. Fires in transformers with PCB's were getting a lot of attention and hospitals started the process of identifying and changing out these units.

In the fall of 1985 Ken Griffin, President San Francisco chapter, assumed the duties of Northern California News Editor for the CSHE Newsletter. Bill Schneider resigned this role because of other commitments.

The vendor shows at the annual institutes had grown from 12 to 100 booths; in fact we limited the number of booths to 100 and had waiting lists each year. It became more difficult to contract with hotels large enough to accommodate our educational space requirements and space for a vendor show. We contracted with Greyhound Expositions to handle all aspects of booth setup and equipment. Several hours were set-aside for Institute registrants to attend the vendor shows. A cocktail party was held on "opening night" in the exhibit hall. Barbara received assistance for several years from Rick and Sue Sears of the Los Angeles chapter, who later became Exhibit Show Coordinators.

The OSHPD backlog on plan checks became a very emotional issue for hospitals throughout the state. There was much finger pointing and the Seismic Safety Commission held hearings to try to determine what could be done to reduce the backlog. Nick Dalba, State Chairman, made a presentation before the commission expressing the concerns of hospitals.

The Newsletter started a new section called "Legislative Happenings". It reported on Assembly and Senate bills recently passed that would have an impact on plant operations.

Asbestos, its removal or encapsulation, as well as health hazards, was the prime environmental issue in the 80's. AHA started a series of lawsuits against the manufacturers who used asbestos in their products. Since it was a class action, hospitals throughout the United States could participate in an effort to capture some of the costs in handling asbestos. Many California hospitals joined the class action but down the road, very little came of this action.

In January 1986 the San Francisco chapter achieved 200 members. This evolved a response from the Los Angeles chapter that they had more than 200 members! This North-South issue carried on for years with each chapter claiming the most members.

The 15th Annual Institute was held in Anaheim at the Marriott Hotel. The theme was "Hospital Engineering, Assuring Quality Patient Care". Seventy-three vendors were in

attendance at booths and in an effort to increase member attendance, all chapter officers were invited guests (no registration fee).

Outstanding member awards were made to Bill Richards, Central Coastal chapter and Ken Griffin, San Francisco chapter.

The March Board meeting recognized the King River chapter as a new chapter with Lee Heinrichs as President.

During the 80's the State Board established the Chapter of the Year award. It was a way of recognizing chapters and was based on assessing their membership growth, frequency of meetings and subject material covered. It was a take-off on the ASHE Chapter of the Year award for which California still maintains recognition from ASHE each year.

Pete Ritter, as the official Society photographer, added interest to most Newsletters with photographs of the Society's activities.

Sometime during 1986, in order to offer an informative Newsletter, the Ritters started to use appropriate filler articles from other magazines with the appropriate credit. It was always difficult to get chapters to be the editorial host for a given quarterly Newsletter.

The November 1986 Mid Year Seminar had 101 attendees learning about the management of hazardous materials. This number of attendees approaches what we average at the Annual Institute held each spring.

In January 1987 Arland Merchant became the President of the Central Valley chapter. This started a long tenure for Arland on the Board as he eventually stepped into the Chair of the By Laws Committee for the next ten to fifteen years. During this same period we saw Gene Taglienti, Director of Engineering at Scripps Hospital, La Jolla, CA complete his degree and achieve his Doctor of Jurisprudence Degree. Gene, at this point, switched careers.

The 1987 Annual Institute was held at the Los Angeles Airport Hilton with 122 registrants and 102 exhibitors. Nick Dalba stepped down and the Board elected Wes Howard as State Chairman. Dick Taylor became Vice Chairman, Jerry Metcalf, Secretary and Bill Keaton, Treasurer.

The Board, in their every-other-year planning meetings, had established a five-year plan implemented in 1987. The focus of the plan was on education, one-day seminars, communications and revenue. Some of the highlights were to have one-day seminars with the same program held in both Northern and Southern California. Under revenue, the Treasurer would always maintain a minimum balance of \$30,000 and the seminars and Annual Institute would have a minimum of 20% profit.

Jerry Metcalfe and Paul Korson received their Outstanding Member awards. The Central Valley chapter received the Chapter of the Year award.

During the latter part of 1987, the Newsletter started to include short human relation stories as submitted by Paul Korson, Riverside General Hospital, Inland chapter. Paul continued to submit these plant operations stories for several years.

The 1987 Institute was probably the first one where the chapters and certain vendors made contributions to The Robert Mack Scholarship Foundation at the banquet. The San Francisco and Los Angeles chapters each donated \$1,000. In succeeding years, each chapter set the mark a little higher and tried to out-do each other. Air Filter Sales Co. and Echo Air, San Diego were two regular exhibitors contributing each year. Eco-Air sales personnel each contributed from their commissions. These contributions continued into the mid '90s.

During 1987 the CSHE San Diego chapter hosted the ASHE 24th Annual Meeting. It was a great success except that Joe Davis decided to order an over-abundance of San Diego tee shirts. Bill Keaton agreed to store the many leftover tee shirts in his garage. Eventually they were donated and when in Mexico, a CSHE member may still see them on the children.

In November 1987, CSHE had a first in that the California Assembly recognized one of our members. Assembly Resolution 1336 recognized Roland V. Roggerio, Los Angeles chapter, for his contribution to the engineering field.

Also in 1987, the San Francisco chapter hosted Captain Alice Martinson, Commandant, Oakland Naval Hospital, at one of their meetings. Captain Martinson gave a slide presentation on the commissioning of the Navy's West Coast based hospital Ship. She is the daughter of Past Chairman and Managing Editor of the Newsletter Norm Martinson.

The December 1987 CSHE Newsletter broke the record with 16 pages of hospital engineering news.

As 1988 approached, hospital engineering continued to deal with asbestos, State Fire Marshal regulations, ETO ventilation and JCAHO Agenda for Change. This really meant that each year they would change the standards somewhat.

In March 1988 the Society had grown to 850 members representing 285 of 700 California hospitals.

The 17th Annual Institute was held at the Double Tree Hotel in Santa Clara. The San Francisco and Central Coastal chapters hosted with Nick Dalba chairing the meeting. This year Dick Taylor and Nick Dalba received the Distinguished Member awards. Ken Griffin, President of San Francisco chapter presented the Chapter of the Year award to Reg Salazar, President, Los Angeles chapter. On the side, these two chapter presidents argued as to which chapter had the most members!

Johnny Chapterseed continued to show up in the June 1988 Newsletter.

Two of the early members of the Society passed away. George Elliott, a member of the Los Angeles chapter since 1958 died August 23, 1988. Frank Neves, member of the San Francisco chapter, passed away September 21, 1988.

In January 1989 Governor George Deukmejian signed a Proclamation honoring the California Society for Hospital Engineering, Inc.

In January 1989 we learned of the passing of John Sowell, Past President, San Diego chapter. John had been an active member in the Society having joined in 1973.

In March 1989 the State Board reconfirmed the Newsletter policy with six full Newsletters and six Updates per year. They also voted to expand membership into nursing homes and skilled nursing units. The new State officers were Dick Taylor (Los Angeles chapter) Chairman, Jerry Metcalfe (Central Valley chapter) Vice Chairman, Bill Fagan (Orange County chapter) Secretary and Bill Keaton (San Diego chapter) Treasurer.

Ted Holland, Los Angeles chapter, became president-elect of ASHE as a result of the sudden death of the president-elect. Ted was first runner-up in the election process.

Congress passed medical waste disposal regulations. This, again, presented new challenges for handling and Federal OSHA started to inspect California hospitals.

In July 1989 Malcolm Ridgway was recognized by ASHE and was awarded the Personal Recognition award for his contributions nationally to the field of hospital engineering.

CSHE received the Chapter of the Year award in New Orleans from ASHE. Our State Board was reassessing our state Chapter of the Year awards since many of the State Board members felt the chapters should be working together rather than competing with each other.

During the latter part of the 80's, Bill and Barbara Schneider purchased their first motor home and in 1988 established the CSHE RV group. They selected Flying Flags RV Park in Buellton, CA as a central location within the state where they could meet in October of each year. Some of the regulars attending were the Schneiders, the Joe Davises, the Paul Korsons, the Pete Petersons, the Pete Ritters, the Bill Keatons, the Don Benders, the Dick Taylors, the Don Owens, and the Mike McGraths. The second RV weekend was held in October 1989, again in Buellton. As far as we know the RV group, although much smaller, is still getting together in Buellton with Will Wilcox as Wagonmaster.

In September of 1988 Barbara made the decision to retire after ten years with CSHE. This was to be effective at the Annual Institute in May 1989. She was presented with a brass plate suitably engraved and a video camera. She and Bill were given a one-week trip on the Delta Queen up the Mississippi River. Bill was to attend ASHE's convention in New Orleans that year so the Delta Queen trip was booked for the week following ASHE. Several CSHE members including Jerry & Julie Metcalfe, Dick & Connie Taylor and Ray and Mary Ann Brink were there to wish the Schneider's Bon Voyage!

With Barbara Schneider's retirement, the Board and Barbara conducted a search for a new Executive Director. Vince Scoccia from the San Francisco chapter recommended Gloria Kappadahl who had experience with health care construction companies. Gloria was hired and the CSHE office moved from Moraga to Gloria's home in Concord.

The headline read, "CSHE has lost a friend". On July 18, 1989 Norman Martinson passed away at Scripps Memorial Hospital, La Jolla, CA from cancer. Norm had been President of the San Diego chapter as well as State Chairman from 1977 to 1979. The ten years prior to his death he served as Managing Editor of the Newsletter. Will we ever forget the Danish pastries that he and Alice would bring from Solvang when the Board meetings were held in Northern California?

In October 1989 Cal-OSHA came back to life and assumed the responsibility for what Federal OSHA had been performing.

The Mid-Year Seminar in November 1989 was held in San Diego. This seminar was very well attended by CSHE members, and others, in order to learn more about the JCAHO Plant Technology Standards.

The 90's

Tom Schipper became President Elect of ASHE, assuming this position on January 1, 1990. 1990 was a quiet year for CSHE and the author apologizes for this, but his memory failed and 1990 Newsletters could not be found - so on with 1991.

At the 1991 Annual Institute, a \$2,000 scholarship solely from contributions was made in Norm Martinson's memory. Alice, Norm's wife, attended the Institute and offered a few remarks about Norm and his interest in the Scholarship Foundation as a trustee since 1986.

In February 1991 Dick Taylor, Los Angeles chapter, completed his term as State Chairman and reported a State Budget of \$71,000 with a state membership of 970 members. (The membership number came into question later when it was discovered that members were not dropped when they did not renew and records have since been corrected.)

Jerry Metcalfe became State Chairman in 1991 and Bill Fagan became Vice Chairman. Brooks Larson was Secretary and Bill Keaton became Treasurer. The 1991 Annual Institute was held at the Park Hotel in Oakland, CA. Bob Camper of the San Francisco chapter led the Institute Committee for that Institute. Two hospitals were recognized for their construction projects. John Muir Hospital in Walnut Creek received both a State and a National award for their Outdoor Rehabilitation Therapy garden. David Thistlethwaite, AIA, and active member of the San Francisco chapter developed the design and construction documents. Vince Scotia, Director of Plant Services, allowed his staff engineers to work after hours to complete the project.

Grossmont Hospital in La Mesa, CA was recognized by Modern Healthcare Magazine AIA Design for their new Women's Health Facility. Bill Keaton was Director of Engineering at this hospital. The architects were from Design Partnership in San Francisco and Lennon Associates, Del Mar, CA. This new facility was completed at a cost of \$9.65 million.

During this period the publication team of Pete and LaVon Ritter of the San Diego chapter managed to publish six Newsletters and six two-page Newsletter Updates per year. They also took on the responsibility of securing an average of fifteen advertisements and these helped to underwrite the cost of the publications. With Pete Ritter's interest in photography, the Newsletters were enhanced with photos showing Institute activities as well as awards to members.

The 1991 Board of Directors established several committees and one was the Bylaws Committee with Arland Merchant as chairman. Arland continues in this role at the present time (2002).

In July 1991, thirty engineers from the South Bay chapter joined CSHE as the 11th chapter. This group was a break away from the San Francisco chapter and covered the area from San Jose to Salinas.

Subjects covered in the March, 1992 Newsletter were The Reduction of CFC Emissions, How to Plan for Water Supplies, ADA Access Requirements, and California's Job Safety program which lead in the nation.

The 21st Annual Institute was held at the San Diego Marriott Hotel and Marina with the Americas Cup Races as a background for the weekend. Jerry Metcalfe presented a plaque to Bill Schneider recognizing his many years of service to CSHE as well as his 1992 retirement as Assistant Regional Administrator from Kaiser Permanente. The Institute committee brought Bodine, a magician, for the banquet entertainment. Bodine continued to attend and entertain CSHE members at various events for years to come.

Chapter Presidents serving on the State Board in 1991 were as follows: Greg Eikam, Orange County; Dave Milligan, Inland; Don Owens, Los Angeles; Will Wilcox Central Coastal; Bob Hanson, San Diego; Arland Merchant, Central Valley; Vince Scotia, San Francisco; Duane Oberquell, South Bay; Ed Sullivan, Kings River; Stephen Forsbert, Kern River; and Robert Labbe', Northeastern.

The July 1992 Board meeting was held at the Edgewater Hyatt in Oakland, CA. Jerry Metcalfe, State Chairman, and the Executive Committee had been discussing with Roger Richter of CAHHS (California Association of Hospitals and Healthcare Systems, now California Healthcare Association) the feasibility of becoming the Executive Director for CSHE. This Association had been acting as Executive Director through Roger Richter for several other healthcare personal membership groups. Richter would provide a staff assistant and therefore for all purposes the role that Gloria Kappadahl held would be eliminated and would be handled from the CHA offices in Sacramento. They would take on the duties of publishing the Newsletter at a later date. Their financial proposal was favorable. It was felt that this relationship would enhance CSHE's advocacy program through closer contacts to the Department of Health Regulatory Agencies as well as the legislators. The vote to develop this new working relationship was favorable.

For many years CSHE was a participant in the ASHE "Chapter Recognition Awards". 1992 was no exception. CSHE won recognition awards for Membership, Education, Newsletter, Advocacy and Special Achievement. 1992 was also the year that Nick Dalba elected to run as ASHE Region 9 Director. As it turned out, he served in this capacity from time to time for the next ten years.

The November Mid-Year Seminar was held at the Marriott Hotel at the Ontario Airport. It covered Environmental and Regulatory Compliance for Health Care Facilities. Over the years CSHE tried to motivate chapters and members to submit articles for publication in the Newsletter. "Johnny Appleseed" had retired so chapter news was no longer available. While Pete and LaVon Ritter handled the publication, Pete would extract appropriate articles from health care publications and insert them into the CSHE

Newsletter with full disclosure. This helped to enhance and provide an informative Newsletter.

For many years Regulatory Code Advocacy was always a top priority for CSHE. Bill Schneider became the first State Code Chairman and during the 70's and early 80's always had an article on code issues in the Newsletter. Tom Schipper continued this responsibility until the present. Jerry Metcalfe, as he completed his term as State Chairman, served on several committees representing CSHE and CHA. Some of the chapters held mini seminars in their local area. Los Angeles chapter, under Don Owens, held a successful fall, 1992 seminar with speakers from OSHPD, the Fire Marshal's office and the Department of Health Services.

In April, 1993, Bill Fagan became State Chairman and was assisted by Bill Keaton as Vice Chairman, Dave Milligan as Secretary and Vince Scotia as Treasurer. During this year the Redwood Chapter under the leadership of Lloyd Yandell became the 12th chapter of CSHE. They carved out their territory from the Golden Gate Bridge to the Oregon Border, along Route 101.

During the early 90's the Board felt that the CSHE membership brochure, in use since 1976, should be upgraded. This brochure was printed entirely in red and represented the logo color for CSHE. A graphic artist was hired to prepare a new brochure. The finished product was a "slim Jim" style with loose pages as inserts that described the activities of the Society. Only the society logo was printed in red. Unfortunately this new brochure was not widely used as word-of-mouth seemed to be the best way of recruiting new members.

In April 1993, the 22nd Annual Institute was held in Riverside, CA. Greg Eikam, Orange County chapter and Dave Milligan co-chaired the Institute committee. The theme this year was "Compliance". Other people recognized at the Institute were Paul Korson who received his Life Membership and Bob Patwell who received an Outstanding Member award. Rick and Sue Sears were recognized for their continuing work in coordinating the vendor show. ASHE as the best Newsletter recognized the CSHE Newsletter. This last recognition was certainly a tribute to Pete and LaVon Ritter for their work.

Chapter Presidents participating on the Board were; Ted Beshwate, Kings River; Greg Eikam, Orange County; Steve Forsberg, Kern River; Ed Ewing, San Diego; Robert Labbe', Northeast; Gary Callahan, Inland; Mike Morrill, Central Valley; Andre' Adema, South Bay; Don Owens, Los Angeles; Will Wilcox, Central Coastal; and Lloyd Yandell, Redwood.

The 6th Annual RV Weekend was planned for October 8-10, 1993 with Pat and Bob Patwell taking over as Wagon Masters.

As a result of diverse membership growth, the bylaws were changed to reflect the different levels of membership and the annual fees. The levels of membership were as follows: Facility Member, Vendor Member, Retired Member and Student Member.

Many of the issues facing hospital engineers, as noted in the September CSHE Newsletter articles, were: bills to control violence in the work place, control of tuberculosis, interim life safety measures, FDA alert for heated breathing circuits, and program flexibility for testing of biomedical equipment.

On October 24, 1993, CSHE received a recognition letter from Governor Pete Wilson recognizing the observance of Health Care Facilities Management Week.

As hospital budgets were tightened, many CSHE members were advised by their hospitals that they would not continue to sponsor attendance at our seminars. As a result, the November, 1993 mid-year seminar was cancelled and more focus was placed on the Annual Institute. Thus, the mid year seminars, which had been a benefit to the members and a revenue source for CSHE, could not survive the present day economy.

The Robert Mack Scholarship foundation made three awards at the 1993 Annual Institute. The awards since inception are listed in Appendix B.

In the fall of 1993 Bill Schneider, with State Board approval, started to explore the establishment of a consulting service. The resources would be retired CSHE members and others, if they could get the time away from their facility. This group would provide such a service to any hospital with a need for engineering consultation in California. The Sierra Foundation in Sacramento provided grant funds for specific health care projects. Bill submitted a proposal on behalf of CSHE but was denied as being too broad based. Nothing further became of this effort.

In late 1993, Del Manning, San Diego chapter member, retired as Chief Engineer at Fallbrook District Hospital. The Board of Directors at Fallbrook recognized his work as Chairman and Safety Officer for the hospital in reducing their workers' compensation costs. This is a first for a CSHE member to be recognized by a Hospital Board.

As 1994 arrived, the following issues facing hospital engineers were reflected in the articles in the CSHE January 1994 Newsletter:

- *Cal/OSHA's Confined Space Rule
- *EPA's advice on phasing out CFC's
- *Hazardous Waste Source Reduction

Even State Chairman Bill Fagan, in his column, spoke of the Clinton proposal to issue a National Health card to everyone for terminal coverage. Within a year this concept disappeared, never to return!

The 23rd Annual Institute was held in April 1994 at the Santa Clara Convention Center with over 100 attendees. This event was co-chaired by Andre Adema, President of the South Bay chapter and Lloyd Yandell, President of the Redwood chapter. Several people were recognized for their tenure with CSHE. These included Ted Beshwate, a member of the King River chapter and a CSHE member since November 1987; Arland Merchant of

the Central Valley chapter who was a CSHE member since November 1987; Tom Smith of the San Diego chapter who was a CSHE member since 1976; and Lloyd Yandell of the Redwood chapter and a CSHE member since November 1981. Bill and Barbara Schneider were each honored with their Life Membership in CSHE.

The Newsletter always had excellent photography coverage of the members as well as the vendors. At that time it was a customary for the Robert Mack Scholarship awards to be made at the Institute banquet. At the conclusion of the presentations, each Chapter President would present a donation from the chapter to the Scholarship Foundation. Several vendors would also make a donation. Donations each year averaged \$7,500.

On June 1, 1994 the California Association of Hospitals and Health Care Systems hosted the first California Hospital Legislative Day. About 24 CSHE members attended including Jerry Metcalfe, Immediate Past State Chairman and Tony Moddesette, President of the Northeastern chapter. This even gave our members a chance to better understand the Legislative Bills under consideration. It also served to educate the legislators to better understand hospital operations!

Bob and Pat Patwell were promoting the 7th Annual RV Weekend, which was still continuing to be held at Flying Flags RV Park in Buellton.

Of all the regulatory issues, a new concern arose for the procedures and isolation to prevent the spread of tuberculosis.

Most of the year, hospital engineers followed the OSHPD and Office of State Health Planning and Development Release of Policy on Repairing Damaged Hospitals and Skilled Nursing Facilities. It became a challenge as to what depth of repair would be acceptable before consideration of building replacement became the only answer.

The September 1994 CSHE Newsletter's headline read: "Update on Proposed OSHA IAQ Role. The Northridge earthquake and its after shocks." The Northridge earthquake occurred on January 17, 1994 at 4:31 AM and was a 6.8 magnitude.

We also learned that Marge Peterson, wife of Pete Peterson, long time State Treasurer, had surgery for stomach cancer and was undergoing chemotherapy. She passed away not too long after. Pete and Marge were retired and living in Dixon, CA.

During Bill Fagan's term as State Chairman, concerns were raised that this State Chairman was also a consultant to the healthcare field. Strong feelings were expressed that this could border on a potential conflict of interest. Bill Schneider was asked to assist the Board on a fair resolution of this matter. The Bylaws were changed to indicate that only a facility based manager or member could be elected to chapter president or vice president. The chapter president serves on the State Board and the officers are elected from the Board. Affiliate members could serve as chapter secretary, treasurer or on other chapter committees. Since Bill Fagan had been a Director of Engineering for

Hoag Memorial Hospital in Newport previously, it was decided to let him serve out his term.

In November 1994, CSHE took a new approach to providing educational programs for the members. It was becoming more difficult for members to be sponsored by their hospital in order to attend the Annual Institute. Through the efforts of Lloyd Yandell and Ernie Boggs of the Redwood chapter, 235 people participated in a live telecast at nine locations throughout the state of California. Kaiser Foundation Hospitals' Telecommunications Department handled the arrangements for telecasting to the nine Kaiser locations. Structural Seismic Assessment was the subject with speakers from the Seismic Safety Commission, Hospital Building Safety Board, and Office of Statewide Health Planning and Development. It was agreed that more of these telecasts should be developed in the future.

Over time, many local seminars were presented and sponsored by the local CSHE chapters. Frank Yip of FYE Medical organized a one-day seminar on March 19, 1995. The San Francisco and South Bay chapters of CSHE and the California Medical Instrumentation Association hosted it. Featured speaker was Marvyn Shepherd, a well-known author of Medical Device Incident Investigation.

Some of the issues affecting CSHE members in early 1995 were OSHA's final ruling on asbestos and staff's protection, organized labor's push for ergonomics, and lead exposure in construction.

The 24th Annual Institute was held at the Los Angeles Airport Hilton and Towers on April 5-7, 1995. Bill Keaton became State Chairman at this Institute. Two long-time active members of CSHE retired during 1995. Will Wilcox, President of Central Coastal chapter retired after 16 ½ years with Santa Barbara Cottage Hospital and Gus Audet retired from St. Joseph Hospital in Orange after 18 years. Gus was off to Costa Rica to run a small resort hotel business.

In addition to Bill Keaton, the new Board officers were Gary Callahan, Vice Chairman; Ted Beshwate, Secretary; and Vince Scoccia, Treasurer. The Board's goals were to increase the current 18% CSHE membership with California acute care hospitals, improve communication of Board actions to the members, support California Hospitals Legislative Day and have active regulation code participation reviews. Jerry Metcalfe was recognized for his dedicated work for CSHE and Susan Sears, Institute Vendor Coordinator, was made an Honorary Member of CSHE. Outstanding Member awards were made to George Hernandez, Los Angeles chapter and Tim Rielly of the San Diego chapter. The Chapter Presidents serving on the State Board were: Central Coastal - Will Wilcox, Central Valley - Jim Westall, Inland - Gary Callahan, Kern River - Bob Patwell, Kings River - Ted Beshwate, Los Angeles - Don Owens, Northeastern - Tony Moddesette, Orange County - Tom Walker, Redwood - Lloyd Yandell, San Diego - Tim Rielly, San Francisco - Ed Craft and South Bay - Andre Adema.

Johnny Chapterseed's column occasionally showed up in the CSHE Newsletter appearing in the May, 1995 edition describing some of the chapter activities with Pete and LaVon Ritter publishing the Newsletter. They outdid themselves with photographic coverage, especially in the May, 1995 issue.

At the June, 1995 ASHE Annual Institute held in Las Vegas, CSHE was awarded the Gold award for excellence in five areas: Membership, Education, Newsletter, Advocacy and Special Achievement.

In the fall of 1995, CSHE changed its name to the California Society for *Healthcare* Engineering, Inc. This followed a similar change by ASHE in the beginning of the year to become the American Society for *Healthcare* Engineering, Inc. This change more accurately reflected the broad base of membership that the Society represented.

The Los Angeles chapter held their 5th mini seminar in September of 1995. As a chapter, they were always strong advocates for these mini seminars to support the local membership. Tony Moddesette, Education Chairman, hosted another telecommunications seminar throughout the state in November 1995.

Twenty-nine wineries from Sonoma and Napa Valley donated wine for an auction to raise funds for The Robert Mack Scholarship Foundation. Jim Cline, President of Redwood chapter and Ed Craft, San Francisco chapter planned the event that raised over \$1,600.

1995 and 1996 saw many changes within CSHE, some for the better and many not well received by the chapters. In January 1995 California Regulations for Professional Societies caused the Board to reassess our By Laws and Procedures Manual. California regulators pointed out that our state funds and chapter funds were one and the same and had to be all under the control of our State Board. Funds had to be used for educational purposes and not for so-called social activities. As such, the chapter funds became State Board funds. Chapters had to submit to the Board for approval prior to using funds for chapter activities. This upset some chapters to the point that they no longer had an incentive to host local mini seminars. Chapters no longer contributed at the Annual Institute to The Robert Mack Scholarship Foundation since they felt they no longer had their own funds.

The 1995 Annual Institute hosted by the Los Angeles chapter did not generate anywhere near the profit anticipated by the Board. A review by the Board found funds were used for planning committee dinners and other expenditures not properly managed by the committee. This created further upset with the chapter but it supported the Board's action to have oversight in how the chapters used their funds.

Planning for the 25th Annual Institute in April 1996 was underway. Cost of booth space for vendors was increased to \$900 in order to provide sufficient funds to reach the Institute profit goals.

The Society's insurance coverage was reviewed by the Board and a liability issue with CSHE hosting a hospitality suite at the Institute surfaced. The problem was ultimately resolved by eliminating a CSHE sponsored hospitality suite, as it was a huge liability risk for the Society. This greatly reduced the networking that had existed for so many years. In many ways, the building of membership and esprit de corps was severely reduced by some of these actions.

The lack of financial resources caused the cancellation of the CSHE Bimonthly News Update. The last edition was February 1996. In fairness, the Board felt that it lacked news benefit for the members in relation to its cost.

At the 1996 Annual Institute, Pete and LaVon Ritter announced their forthcoming retirement as Publication Editors of the CSHE Newsletter after eleven years of service. Their dedication to seeing that the Newsletter was published on a regular schedule with information important to the members was a labor of love. Their last Newsletter, as a team, was the March 1996 issue.

The May/June issue of the Newsletter provided the unforgiving changes with no consideration of the feelings of Bill Schneider! The background was white with black print. The color red was maintained in the masthead and the article titles - so all was not lost!

The long-range plans for the California Healthcare Association to take over the Newsletter was discussed when CHA became Executive Director in 1993 and geared to when Pete and LaVon Ritter retired.

Several bylaw changes were approved which enhanced the ethics of the Society. Each chapter elected a President and chapter Director and both would represent the chapter at State Board meetings. This could be one person filling both roles if approved by the chapter members. In addition, each State Board member had to review the by-laws annually and sign to attest this duty.

The July, 1996 State Board meeting resulted in redefined levels of membership, which would begin in 1997. Facility members would pay \$40 annual dues and Affiliate (Professional and Vendor) members paying \$100. Retired members would pay 50% of their respective fees and student members would pay \$20. For years, a chapter ratio of Affiliate members to Facility members was set at 25%. This 25% was established in the beginning years to assure that the chapter membership represented a strong majority of Facility members. Past history has shown that other professional groups became a sales organization when vendors became the majority. The CSHE State Board elected to drop this percentage level on the basis that it was discriminating. One would question as to which group felt discriminated against!

State Chairs were approved for Life membership but had to wait five years beyond completion of their term. This did not make sense since State Chairs were approved for dues-free membership upon completion of their term and this has been in existence since

1977. Distinguished members were approved for Life membership and this was not clearly defined as to whether they were dues-free.

It should be noted that the new Newsletter format contained only a few paid advertisements. Under Pete and LaVon Ritter, there were 15-20 paid ads and these definitely helped to underwrite the cost of publishing and mailing the Newsletter.

The State Board met with a representative of the Michigan Healthcare Engineering group to explore their Mechanic Education and Certification program. Under the guidance of Tony Moddesette, CSHE Education Chairman, this program was adapted to California Hospital's needs and became a Society benefit for its members in future years.

The 26th Annual Institute was held in May 1997 at the Hyatt Regency Hotel in Sacramento. In March of that year, the Building Standards Commission approved the first seismic regulations under SB 1953. This issue of Regulations provided a basis of discussion at the Institute.

The State Board elected new officers with Ted Beshwate becoming State Chairman and Tony Moddesette, Vice Chairman. Doug Koehler became Secretary and Tim Rielly, Treasurer. Bill Keaton became the Immediate Past State Chairman. As one reflects back over the history of CSHE, Bill Keaton's tour was probably the most challenging of any State Chairman. In the '70s and '80s, the Society grew with new ideas and programs all being developed to enhance the professionalism of the members. By 1995, the Society had matured, regulations for corporations changed and the Society needed to be pulled together more tightly to assure that all financial resources were used for the education of the membership. When these issues surface, it usually leads to change whereby some items are "given" while others require "take-aways". Chapters and individuals sometimes perceive that they have lost their control, as they may not see the need of the bigger picture. It is hopeful that these two years were a plateau for change, a change that will allow growth in the future.

As Ted Beshwate became State Chairman, CSHE continued to extend its outreach into the healthcare field. Ted attended the California Healthcare Association Planning Board retreat and was appointed to the California Energy Commission's Advisory Board.

In May 1997 Jerry Metcalfe became a Trustee of The Robert Mack Scholarship Foundation. CSHE's current State Chairman and Immediate Past State Chairman became permanent Trustees of the Scholarship Foundation and Ted Beshwate and Bill Keaton filled these positions in 1997.

CHA, as part of its Executive Director role, established an advertising contact, which resulted in an increase of advertising space being sold.

In September 1997, the society dues were increased as follows: Facility member - \$50 and Affiliate member - \$150.

In August 1997, Rich Barker of Sonoma Valley Hospital hosted the Fifth Annual Wine Auction at Viansa Winery in Sonoma, CA. Highlight of the evening was Ed Craft's playing of "Amazing Grace" on the bagpipes. This auction raised over \$2,500 for the Robert Mack Scholarship Foundation.

CSHE's 11th Annual RV Weekend, hosted by Bob and Pat Patwell, was held in October at the Flying Flags RV Park in Buellton.

In late 1997 Tom Schipper, State Code Chairman for CSHE, was recognized for ten years of service on the Hospital Building Safety Board. David Werdegard, M.D. and Director of O.S.H.P.D., presented Tom with a plaque.

The 27th Annual Institute was held in April 1998, in Pomona. The Mechanic Education and Certification for Healthcare was offered for the first time to CSHE members. During 1998 the San Francisco chapter recognized Bill Schneider for his 25 years of service and presented him with a 25-year service pin.

In February 1998, the State Board approved a standardized accounting system to insure fiscal responsibility as a non-profit organization under California law. The Board had previously hired a tax attorney and CPA to review its accounting practice with recommendations for improved compliance. In essence, each chapter would submit an annual budget of projects and activities requiring funding. The State Board would approve this budget and each chapter President would be issued a credit card for use when they needed to pay for an expense. The reduction in paperwork and improved accountability for expenditures were some of the benefits achieved.

George Hernandez hosted the Los Angeles chapter's annual mini seminar in September 1998 at the Alamansor Court Golf Course in Alhambra. It was well attended with speakers from JCAHO, OSHPD, State Fire Marshal, South Coast Air Quality Management and State Department of Health Licensing.

The Pomona Sheraton Suites Fairplex Hotel provided the location for the Annual Institute in April 1998 with a large vendor exhibition show. Doug Koehler chaired the program. New chapter officers and Board members were as follows: Central Coastal - Brooks Larson; Inland - Larry Coffin; Kern River - Brandon Neal; Northeastern - Larry Mandel; and San Francisco - Ed Craft.

After the 1998 Institute, the CSHE Executive Board and a group of vendors met to assess the purpose and benefit of the vendor show at annual institutes. Over the years the vendor show had grown to 100 exhibitors. This number made it difficult to find a hotel that could provide exhibit space either at their hotel or close by. It was noted that vendors were paying \$900 for booth space and in many cases; the vendor representatives greatly exceeded the number of registrants at the Institute. The Executive Committee decided to eliminate the vendor show for the 1999 Institute even though the vendor income helped to underwrite other costs related to the Institute. In place of the vendor exhibits, a vendor-sponsored program was established whereby vendors could have

tabletop exhibits in the registration area, they could host speakers and they could provide literature within the meeting room. (It should be noted that “what goes around, comes around” as this is how the vendor shows actually started at the Airport Hilton, Oakland, in 1978.)

It was reported by September 1998 that 69 healthcare engineers had taken the Mechanic Education and Certification for Health Care Program with 85% achieving certification.

We learned of the death of Fred Spahn on October 9, 1998. Fred was an active member of the Los Angeles chapter. Although he never served as an officer in the chapter or on the State Board, he always stepped forward as a strong advocate for CSHE.

As 1999 approached, everyone became concerned about potential Y2K computer problems. There was grave concern by many that by January 1, 2000; many of the systems controlled by microprocessors and computers would not operate. Fortunately when that time came, most systems never missed a beat. The 28th Annual Institute was held in April at the Doubletree Hotel in Costa Mesa. Nineteen vendors participated as sponsors.

At the Annual Institute in 1999, Ted Beshwate, State Chairman, was the recipient of an Outstanding Member award. There were two recipients of the Distinguished Member award. They were Will Wilcox, retired from the Central Coastal chapter and Bruce Peterson from Kings River chapter.

Membership in CSHE was on a growth path with 72 new members reported in the May/June issue of the CSHE News. Prior to 1999 State Chairmen had served two-year terms. As Ted Beshwate was finishing his second year, he announced to the State Board that he would like to serve an additional two-year term. The rationale was that Tony Moddesette’s full-time position was extremely demanding with many construction projects. Tony felt that he would be in a better position to assume the State Chair in 2001. Unfortunately Bill Keaton, Immediate Past State Chairman and Chair of the Nominating Committee were not apprised of this situation. At the Board meeting, Ted had sufficient votes and was re-elected for another two years. The unfortunate lack of communication, for whatever reasons, left a very sour taste with Bill Keaton. A short while later Bill resigned his role as Immediate Past State Chairman and no longer took an active interest in the Society. The State Board then asked Jerry Metcalfe, a Past State Chairman, to serve in the role until 2001.

CSHE is now a part of the new millennium. Changes continue as the healthcare industry finds it necessary to tighten its belt. For lack of interest by active members, the Kern River chapter was no longer meeting. Similar reasons caused the San Francisco chapter to stop meeting. Fortunately Vince Scoccia, Past Chapter President and State Board Treasurer, stepped forth and with support from Tony Moddesette, established regular chapter meetings in 2001.

The CSHE Newsletter fought for survival in 2000 and 2001. Over the years there had always been a problem in getting chapters and members to submit articles for publication. There is a cost to publishing a newsletter and without input, it will slow down. As such, in 2001 only two Newsletters were issued. E-mail became the new vehicle for communicating urgent information to the members. This was regularly issued by CHA as the information on Regulations and Codes was deemed appropriate. 25% of the members do not have email so we have lost another piece of the networking of members. The future will only tell how the Society will look in 2010..

At the May 2003 Board of Directors meeting, it was decided that the Immediate Past Chair would have the responsibility of writing a synopsis of their tenure. Tony Moddesette will author the 2001 and 2002 installment.

**APPENDIX “A”
CSHE Past State Chairmen**

ROBERT MACK (1970-1972) Manteca, CA San Francisco Chapter	TONY MODDESETTE (2001-2002) Sacramento, CA Northeastern Chapter
WILLIAM TERRY (1973) ** San Francisco Chapter	TIM RIELLY (2003- San Diego, CA San Diego Chapter
JOE DAVIS (1974) San Diego, CA San Diego Chapter	
BILL SCHNEIDER (1975-1976) Danville, CA San Francisco Chapter	
NORM MARTISON ((1977-1978) ** San Diego Chapter	
AL BROWN (1979) ** San Diego Chapter	
NICK TRUOG (1980-1982) Rohnert Park, CA San Francisco Chapter	
DON BENDER (1983-1984) Loma Linda, CA Inland Chapter	
NICK DALBA (1985-1986) Glendale, AZ Central Coastal Chapter	
WES HOWARD (1987-1988) Linden, CA Central Valley Chapter	
DICK TAYLOR (1989-1990) Rowland Heights, CA Los Angeles, CA	
JERRY METCALFE (1991-1992) Modesto, CA Central Valley Chapter	
BILL FAGAN (1993-1994) Newport Beach, CA Orange County Chapter	
BILL KEATON (1995-1996) ** San Diego Chapter	
TED BESHWATE (1997- 2000) Fresno, CA Kings River Chapter	

** Deceased

APPENDIX “B”

The Robert Mack Scholarship Foundation Winners 1984 – 2002

Date	Recipients	Amount
2003	Joseph Doll, Healdsburg Kimberly Karnowski, El Cajon Ben McQuiston, Laguna Hills	\$4,000 2,500 2,500
2002	Joseph Doll, Healdsburg Eric Tedmus, Pleasant Hill Kathy A. Wiersma, Santa Cruz	4,000 2,500 2,500
2001	Joel Schipper, Lakewood Lisa Wurz, Salinas Kimberly Karnowski, El Cajon	4,000 2,500 2,500
2000	Evan Doll, Healdsburg Deann Del Rio, Upland Jaime Mendez, Pico Rivera Lisa Wurz, Salinas	3,500 2,500 2,500 1,000
1999	Evan Doll, Healdsburg Clinton Radenbaugh, Chatsworth Christopher McFarland, San Francisco Tyler Skeath, San Jose	3,500 2,500 2,500 1,000
1998	Joel Schipper, Lakewood Thomas Karnoski, Norman, OK Lara Anderson, Dixon Mark Abulencia, Novato	3,500 2,500 2,500 1,000
1997	Chris Gold, Alameda Mark Abulencia, Novato Mark Abulencia, Novato	1,500 1,250 500
1996	Thomas Karnoski, La Mesa Emily Anderson, Dixon Chris Gold, Alameda Kelly Skeath, San Jose	1,500 1,250 1,250 500
1995	Matthew S. Block, Whittier David A. Brinkman, Huntington Beach Michelle Stone, Sacramento	1,500 1,250 1,250
1994	David Brinkman, Huntington Beach Thomas Domineco, Hanford Steven Redd, Glendale	1,500 1,250 1,250
1993	Matthew Block, San Carlos Eli Hernandez, El Monte Jeffrey Whitehead, Napa	1,500 1,250 1,250
1992	James Schipper, Lakewood Shellie Brendt, Thousand Oaks Rusty Ritenaur, Torrance	1,500 1,000 1,000

1991	Todd Schoonderwoerd, El Cajon Anne Sheets, Novato Elizabeth Padilla, Suisun City	1,500 1,000 1,000
1990	W. Thomas Schipper Michael J. Waltz, Livermore Suzanne Robinson, Encinitas	2,000 1,000 1,000
1989	Michael J. Waltz, Livermore Shellie A. Brendt, Lodi Heather E. Quick, Modesto	1,500 1,000 1,000
1988	Heather E. Quick, Modesto Susan M. Prete, San Francisco Angela Dalba, Ventura	1,500 1,000 500
1987	Kevin M. Fulton, Visalia Kimberly A. Oughton, La Puente Michael Sanderson, Walla Walla, WA	1,000 500 500
1986	Kelli Sampson, Rancho Los Amigos Linda Richards, Santa Ynez Fiona Ridgway, Van Nuys	1,000 500 500
1985	Diane J. Patwell, Chatworth	1,000
1984	Bryan Holland, Los Angeles	1,000