

**STRUCTURAL
ENGINEERS
ASSOCIATION
of Southern California**



Founded 1929

**SAFER BUILDINGS THROUGH
STRUCTURAL ENGINEERING**

The Structural Engineers Association of Southern California was first established in 1929 by a small group of Southern California engineers in the private practice of structural engineering. The purpose of the group was to promote the welfare of the structural engineer and to provide for the discussion of common problems; ethical, technical and economic.

Shortly after its formation, the Association expanded both its purpose and its scope of membership. Each year since the Association has seen a substantial increase in membership and an increased program of activities and of service, both to its members and to the public.

Today, SEAOSC has over 1,200 members which represent all phases of the construction industry. Its membership consists primarily of engineers involved with design and research in Southern California and throughout the world. We have regular monthly meetings to keep the members informed of the latest technology, research and construction.

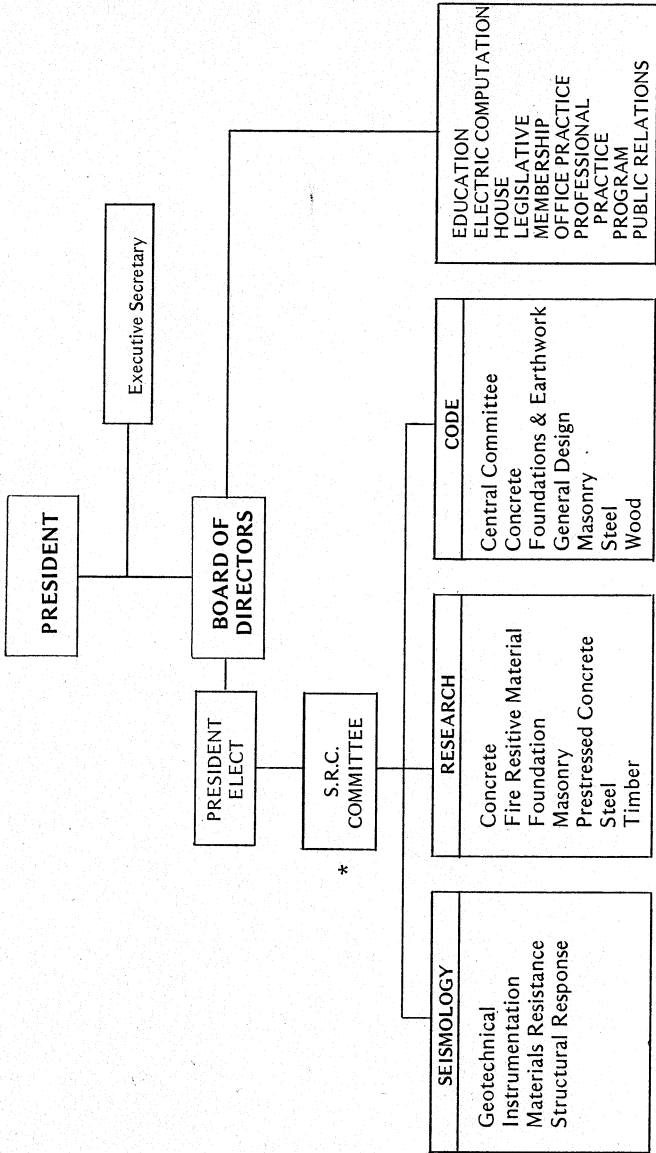
The goal of the Structural Engineers Association has been to establish the highest professional standards, to advance the science of structural engineering and to provide the public with safe and economical buildings. Our members have joined the association to assist in fulfilling those goals and to maintain their skills at the highest possible level and to keep current with the state of the art of structural engineering.

The Structural Engineers Association combines the talents of some of California's most qualified research engineers with engineers in design, construction and government, advancing the quality of our profession. Our committees have reviewed proposed codes and standards for local, state and national agencies, to improve existing codes, write new codes, and identify areas in which further research is necessary. Our committees have worked towards the passage of legislation in such fields as the regulation of the construction of schools, hospitals, institutional buildings, high rise and the many other types of buildings.

Following is an organizational chart of the committees within our organization. These committees are designed to assist us in reaching our goals as an association. Most of our members participate in one or more of the committees. Our committees have a long history of fine accomplishments due to our membership participation.

S E.A.O.S.C.

COMMITTEE ORGANIZATION



*S.R.C. Committee is a Steering Committee for the Seismology Research and Code Committees

SEAOSC OFFICE
 2208 Beverly Boulevard
 Los Angeles, California 90057
 (213) 385-4424

The Seismology Committee is a statewide committee made up of engineers from all four associations. SEAOSC has at least one hundred members with the statewide chairman from SEAOSC.

The committee has been conducting a continuous study of earthquake resistive design requirements to update the "Recommended Lateral Force Requirements and Commentary" better known as the Blue Book. This publication was first published in 1960.

This study of earthquake resistant design requirements reflects the constant condition that became evident in the need for a guide in the application of recommendations resulting from earthquake forces.

Another of our active committees is the Education Committee. It provides a liaison between the Association and engineering students on the many campuses of colleges and universities in Southern California. We encourage students to participate in our Association activities as Student Members, and to attend our regular monthly meetings.

Student Night occurs at the Association's March meeting each year. Engineering students, generally juniors and seniors, attend as guests of the Association. Increasing interest in this event has been shown in recent years. A record was set in March 1982 and 214 students present and as many members of SEAOSC.

Our members, and particularly college professor members, have contributed enthusiasm and encouragement to the students. This has resulted in great benefits to them and the Association.

Another active committee is the Research Committee. It is composed of seven standing subcommittees: (1) Foundation (2) Prestressed Concrete (3) Steel (4) Masonry (5) Concrete (6) Timber, and (7) Fire Resistance of Materials. This committee contributes directly to the Code Committee to initiate Building Code changes.

The scope of activities for the Research Committee includes the following:

- Initiate new research projects with approval of the Seismology, Research, Code (SRC) Steering Committee.
- Review technical publications building code changes and proposed test programs involving research as approved by the SRC Steering Committee.
- Cooperate with research activities of code agencies.

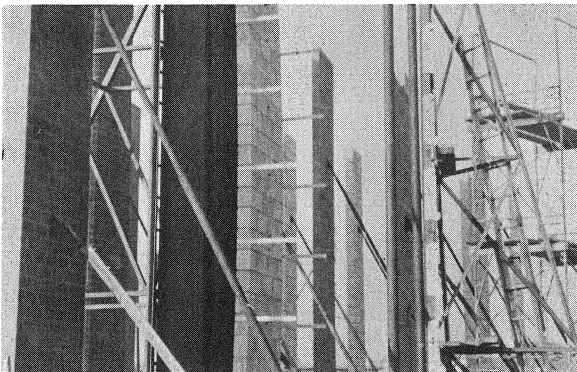
The Hazardous Building Committee, an Ad-Hoc Committee, was established to develop additional criteria for unreinforced masonry structures. These unreinforced masonry structures are governed by the new Division 68 of the Los Angeles Building Code. Division 68 established minimum earthquake standards for pre-1934 unreinforced masonry bearing wall buildings.

The Committee through the voluntary efforts of the Association members and contributions from members supported the necessary research to assist the City of Los Angeles in the preparation of a consensus code. The Committee helped determine a method of testing and designing with the existing materials in these pre-1934 buildings.

The Structural Engineers Association of Southern California Ad-Hoc Committee on Hazardous Buildings has completed its review of Division 68 of the Los Angeles Building Code Committee recommendations for revision and/or clarification of Division 68 which is being considered by the Department of Building and Safety.

A joint ACI-SEA Task Committee, known as the Slender Wall Committee was formed in fall of 1980 to develop, perform and evaluate tests of slender walls. Through the volunteer efforts and contributions of structural engineers, contractors, material manufacturers and construction industry related organizations, a \$400,000 test program was performed. A total of 30 full scale wall panels were built and tested for stability under vertical and substantial lateral loads, such as expected from earthquakes. The 24 foot high panels were constructed from reinforced concrete, concrete masonry units, brick and clay block materials.

The committee has evaluated the test, formulated design methods and are preparing their final report. The results and recommendations from this program will establish design standards for tall slender walls.



Testing of a tall slender wall



President Hans Steinmann receives Resolution from Los Angeles City Council presented by Council President John Ferraro, June 19, 1979.

CHARITY LUNCHEON

In 1979, the year the Structural Engineers Association of Southern California celebrated its 50th Anniversary, it chose to initiate and sponsor a charity event. The Board of Directors moved quickly, formed a committee for the event, and the Structural Engineers Association Annual Charity Luncheon became a reality.

SEAOSC had already established a distinguished record of public service to the community by being instrumental in developing concepts and guidelines for the design of buildings in California. Its members were, and are, considered the world leaders in seismic design.

In 1979, the Association president Hans Steinmann and charity committee co-chairman Roger Peltyn and Ray Steinberg worked closely together on the 1st Annual Charity Luncheon, for the benefit of the Muscular Dystrophy Association. This event marked the beginning of a new era of community service by the SEAOSC. Not surprisingly, the membership's response was wholehearted.

The first luncheon featured popular sports personality Tommy Hawkins as guest speaker. The second luncheon featured columnist Sam Kaplan. The two events raised over \$12,000 for the Muscular Dystrophy Association.

The 3rd Annual Charity Luncheon features Mr. Roy Campanella, former Dodger great. This charity luncheon, the most successful will result in a contribution of over \$8,000 to the Crippled Children's Society.

The program is designed to entertain the attendees and provide them with a moment to forget the matters of business. It is also a good time to reflect on our efforts towards more community involvement. The luncheon brings together architects, contractors and developers, as well as engineers.

This event reflects the commitment of the Structural Engineers Association of Southern California for the community in general.