

# CCAIA

California Council, the  
American Institute of Architects

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San Francisco, Ca 94133

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Sept. 1980

## Confluence

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Pictured (from top to bottom) Gerald McCue, FAIA, Stanley Tigerman, FAIA and The Hon. Pete Wilson

Serving Over 5000 Members

# Architecture California

# **CCAIA 1980:**

## *The Pieces Are Becoming A Whole*

by Morris D. Verger, FAIA  
CCAIA President

**We started this year with clearly defined priorities—registration, increased political influence, and an effective public awareness program. We have discovered that these goals are mutually complementary and have therefore joined them together into a single design for action. Richard Bundy, AIA, San Diego, Vice President of Design/Public Awareness, developed the elements that made possible this comprehensive program:**

We are seeking a revised licensing and regulatory system that is both fair and workable for architects, other design professionals and the public; plan to significantly expand our effectiveness in legislation that impacts architectural practice; and have ready, for immediate implementation, an imaginative and workable public awareness program.

### ***Registration***

The CCAIA Board approved a resolution to initiate legislation which best effectuates goals outlined in the Steering Committee's July 1980 Report to the Board. Included in the report were recommendations for a state sanctioned regulatory licensing system, recommendations on exemptions and a recommendation that the building designers category be deregulated.

I personally disagree with several aspects of the proposed regulatory mechanism. I wholeheartedly agree with the Institute policy established in June, 1979, "that all positions on architectural registration issues should:

- facilitate entry into the profession;

- promote competition and discourage market restrictions;
- encourage public participation in the registration process; and
- promote competence and accountability to the public of those providing architectural services."

The CCAIA also approved the formation of a task force titled, "Committee on Registration Legislation," to succeed the current Steering Committee on Registration. This new committee, which will function within the existing CCAIA program structure, will become a part of the Council's public awareness and legislative efforts.

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*Legislative leadership enables our system to act in the public interest; to create opportunities for social and economic gain, and orderly growth; and to set standards.*

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Not completed by the Steering Committee are reports, for Board policy action, on: 1) the purpose of registration; 2) content of the Registration Act; 3) criteria for enforcement; 4) content of the examination; and 5) the education core for entry into the profession. I believe these

items will prove to be of greater consequence to the profession than the proposed structure of the regulatory body.

### ***Legislation***

Legislation has two parts: one deals with legislative leadership, the other is concerned with regulatory agencies.

Legislative leadership enables our system to act in the public interest; to create opportunities for social and economic gain, and orderly growth; and to set standards. Legislative leadership is a creative process that makes new opportunities for invention and growth possible. It encourages new designs and new technologies.

Regulatory agencies have the responsibility of certifying that those who are licensed have the knowledge, skills and ethics to live up to the standards. The regulatory agencies protect the public—the private citizens—from being harmed or deceived where they have no way of exercising reasonable caution.

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Regulatory agencies are expected to be free of conflict of interest.

### ***Public Awareness***

Our public awareness program will focus on the public's awareness and demand for af-

fordable housing, energy use, access to and mobility within public spaces and buildings, seismic and fire safety, use of hazardous materials, and the interest in preservation and continuing use of historic buildings.

Our public awareness program recognizes that the public perceives that zoning, finance, building codes and political expediency greatly influence what actually gets designed and built.

## ***Bringing Them All Together***

To get regulatory and other legislation we want enacted, we will need help from chapter members who participate in community political activities. We plan to hold regional and/or chapter workshops on tech-

niques that can be used. The CCAIA's public awareness and legislative programs, now being

chitects and architecture are uniquely able to bring this about. The strategy of combining

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*We will be able to show the legislators how architecture, as environment, affects people in their districts.*

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implemented in our energy program, will bring legislators, both state and local, face to face with our members, their constituents.

We will be able to show the legislators how architecture, as environment, affects people in their districts. This program will give legislators information they can use to deal with issues faced in the legislature. We can show our concern for public welfare by demonstrating how architectural planning and design contribute to social and economic order and growth in the community, and also that ar-

registration, political strength and public awareness into a single design enables us to use the talents and resources of our entire statewide membership. It gives members P.R. tools they can use for themselves as well as for the profession. We can then have members throughout the state simultaneously demonstrating to public and government decision-makers that: 1) good architectural design is in the public interest; and 2) the design professions are important. ■

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## **Action Taken At July Board Meeting**

**The CCAIA Board of Directors held its fourth meeting of the year** July 25-26, in Marina del Rey. The following action was taken or discussed:

- The Board heard and adopted a report on Registration (see story, page 4).
- A five-part Legislative/Governmental Affairs program was adopted (see story, page 21).
- The Board agreed in concept to revise the CCAIA by-laws, to reduce from five to three the number of CCAIA vice presidents. Under this new structure, CCAIA will have four major thrusts, three supervised by the Vice Presidents: Governmental Relations; Professional Development; and Public Awareness; and the fourth, Membership Services, which will continue to be the responsibility of the Secretary.

The CCAIA Executive Committee has been restructured to include the four Officers (President, Vice President/President-elect, Secretary, Treasurer) and the three program Vice Presidents. Previously the Executive Committee has been composed of the four officers and the three or four AIA Directors; however, the Directors asked to be relieved of the responsibility.

- The Board heard a report on a survey of CCAIA priorities, which will be used as a basis for the 1981 budget. The first draft of the budget will be presented at this month's Board meeting, with final budget adoption to take place at the October meeting.
- The Board heard a presentation advocating the immediate retention of a Building Codes Consultant. However, the Board voted not to retain a Consultant at this time, and to wait until the 1981 plan and budget are adopted to take further action.
- **Charles Eley, AIA**, CCAIA Energy Consultant, and **Craig Fuller**, CCAIA Public Relations/Public Affairs Consultant, outlined for the Board the statewide campaign on energy, including a Legislative Contact Program (see story, page 17).

The sixth and final Board meeting of the year, as usual an open meeting, will be held October 29-30, in Sacramento, during the 35th Annual CCAIA Convention. The meeting will include election of 1981 officers and adoption of a 1981 budget.

# Registration:

## CCAIA Board Accepts Committee's Recommendation for Action on Registration

By John Parman

**The current approach to licensing of architects is not in the public interest, due to the Board of Architectural Examiners' lack of independence and objective accountability, and because its majority consists of public, non-professional members, the CCAIA Steering Committee on Registration told the Board of Directors at their July 25-26 meeting in Los Angeles.**

**W**ard W. Deems, FAIA, San Diego, Chairman of the Steering Committee, in presenting his opening statements noted, "The profession of architecture, being trained philosophically in the ideals of improving the human condition, most certainly can be trusted with the challenge of promoting the highest goals of practice for the common good of the public and the profession. Allegations that a system of state sanctioned self-regulation for architects simply promotes a self-serving and protective result, are based upon a politically inspired bias, ignorance of the worth of the profession, or both."

While real trust in the profession must originate from the works of the architects, regulation is a legitimate method to insure the public's perception of the competency of the architectural profession, the committee told the Board. But when politically motivated non-architects dominate the registration board, decision-making on licensing and enforcement often loses its connection to practice, becoming a matter of second-guessing the profession on the basis of second-hand knowledge. At best, this is an inefficient and ineffective way to regulate. At worst, it makes regulation more and more irrelevant to the realities of practice, and creates an atmosphere of distrust between the regulators and the regulated that makes understanding, cooperation and compliance increasingly difficult.

"To be effective in the eighties, registration has to have the independence necessary to make long-term plans and carry them out. It also needs to be completely accountable to the public in whose name it regulates. Everyone tends to assume that the current Board is independent and accountable," said **Bob Allen, AIA**, San Francisco, head of the Committee's Practice Act Work Group. "But in fact it is highly political and much more concerned with its standing as an agency within the Department of Consumer Affairs and the bureaucracy of the Executive Branch than with carrying out its regulatory

mandate in a fair and effective manner. Its independence and real accountability to the public can be seriously questioned," continued Allen.

### Recommendations For Structural Reform

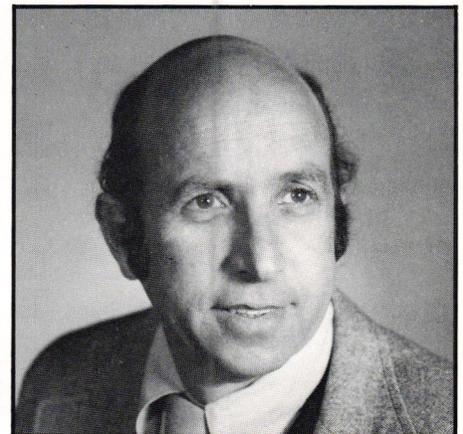
To make architectural registration capable of serving its major purpose—safeguarding the public by maintaining the competency of the profession—the Steering Committee recommended to the Board of Directors a series of structural reforms for the Board of Architectural Examiners, including:

- **Removing the BAE from the bureaucratic hierarchy in which it is now placed (see Figures 1 and 2).** This would make the BAE much less susceptible to the whims of political

### Registration Board needs independence, accountability and an architect majority, Steering Committee tells CCAIA Board



Ward W. Deems, FAIA, Chairperson  
Steering Committee on Registration



J. Russell Levikow, FAIA, Chairperson  
Enforcement Work Group

pressure, and give it substantial autonomy in shaping its programs and budget to the needs of the public (accountability) and the profession (competency).

- **Changing the BAE's composition to give it a majority of architect members.** The BAE would have eleven members, eight of whom would be architects. Seven of the architect members would be elected by the profession through district elections; the eighth would be an architect-educator appointed by the accredited schools of architecture on a rotating basis. The remaining three members would be public members appointed by the Governor and the Legislature.

- **Making the BAE genuinely accountable for its performance.** The BAE would report annually to the Legislature on its performance. Every five years it would be subject to a formal review by the Legislature—a review that could lead to its elimination, or to the redefinition of its major tasks.

## Exemptions and Exceptions

A second set of issues—critical to the reform of the Architects' Practice Act—pertains to exemptions and exceptions to the Act.

Existing *exemptions* make it possible for others—contractors, engineers and landscape architects—to practice legally in certain areas that overlap the practice of architecture. The *exceptions* define the building types on which unlicensed design-

ers can work.

The major exemption problem is with certain engineering disciplines, which make use of the exemption to become involved actively in architecture. To resolve the problem, the Steering Committee recommended negotiating directly with the engineering professions concerned with building design, on the basis that "architects should do architecture, engineers engineering." This would mean that architects would give up doing their own engineering on buildings covered by the Architects'

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Practice Act, while engineers would stop designing buildings except as specifically excepted from the Act.

A related problem is with the *building designers*, a category that came briefly into existence in the early sixties. There are perhaps 500 registered building designers still in active practice, and while most of them practice on buildings that are excepted from the Architects' Practice Act, all of them can practice as architects, without having demon-

strated their qualifications to do so, if they associate with a licensed architect or engineer.

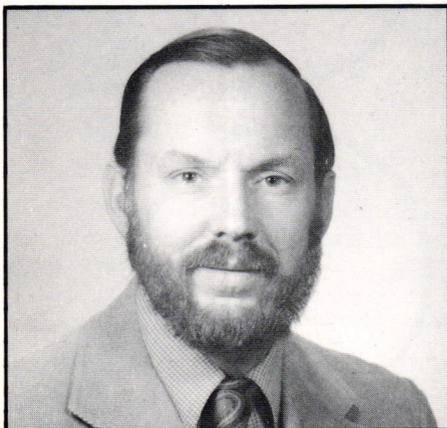
The building designers—and some unlicensed members of the American Institute of Building Design—have pressed to reopen the category. Despite legislative reversals earlier this year, they are continuing in their effort. The Steering Committee recommended that the CCAIA unequivocally oppose the reopening of the building designer category, and that it take steps to deregulate the category and enfold qualified building designers into the profession.

A related problem—one which affects unlicensed designers in California—is the existing differences between the Architects' and Engineers' Practice Acts regarding what building types are excepted from these Acts. The Engineers' Act is slightly broader in its exceptions than the Architects', and this has made for different interpretations of which Act applies at the local building department level.

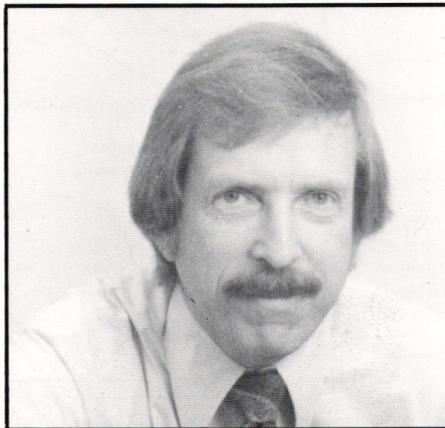
The Steering Committee recommended that the CCAIA put forward a standard exception to both Acts, and that this exception be based on size and complexity, rather than on building type. It suggested that buildings of up to two stories or 28 feet in height (as measured by local planning standards), not more than 4,000 square feet in area, or 112,000 cubic feet in volume, no span longer than 24 feet, be excepted from both the Architects' and Engineers' Practice Acts. Buildings exceeding any or all of these criteria would require a licensed architect and engineer.

## Continuing Issues

Emphasizing that the Practice Act distinguishes between *statute* and *regulation*, reserving the former for the fundamentals of the Act, and the latter for the elaboration of how these fundamentals will be carried out in practice, the Steering Committee gave a brief presentation of its preliminary conclusions about a series of issues that are critical to the registration process, but peripheral to its major proposals for reforming the Practice Act.



**Robert Allen, AIA, Chairperson**  
Architectural Practice Act Work Group



**Thomas Moon, AIA, Chairperson**  
Education, Examination, Licensing Work Group

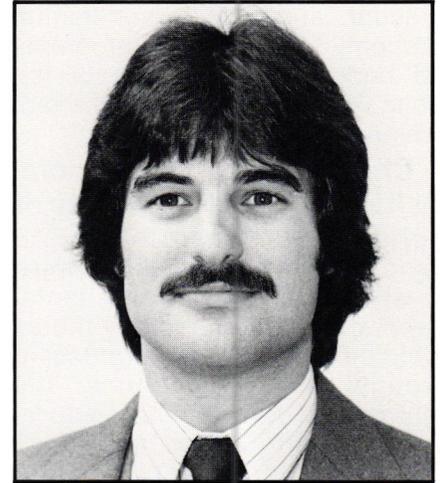
These issues—**architectural education, the licensing examinations, enforcement, continuing education, recertification, reciprocity, multi-tiered registration, specialization**—will be the subject of a final report from the Steering Committee at the October 30 Board of Directors meeting in Sacramento.

**Currently, the Steering Committee's positions on these issues are summarized as follows:**

- Arguing against the active involvement of the BAE in accrediting architecture schools in California (this appears to be the BAE's present policy, although reasserting a role in this area was discussed earlier in the year).
- Suggesting the BAE and the profession evolve "performance standards" for professional training and experience, and that the BAE track curricula in terms of its expectations for architectural graduates in terms of entry-level competence and competence in continuing practice.
- Recommending that the exams



**Stanley Smith, AIA, Chairperson**  
1979 Blue Ribbon Committee



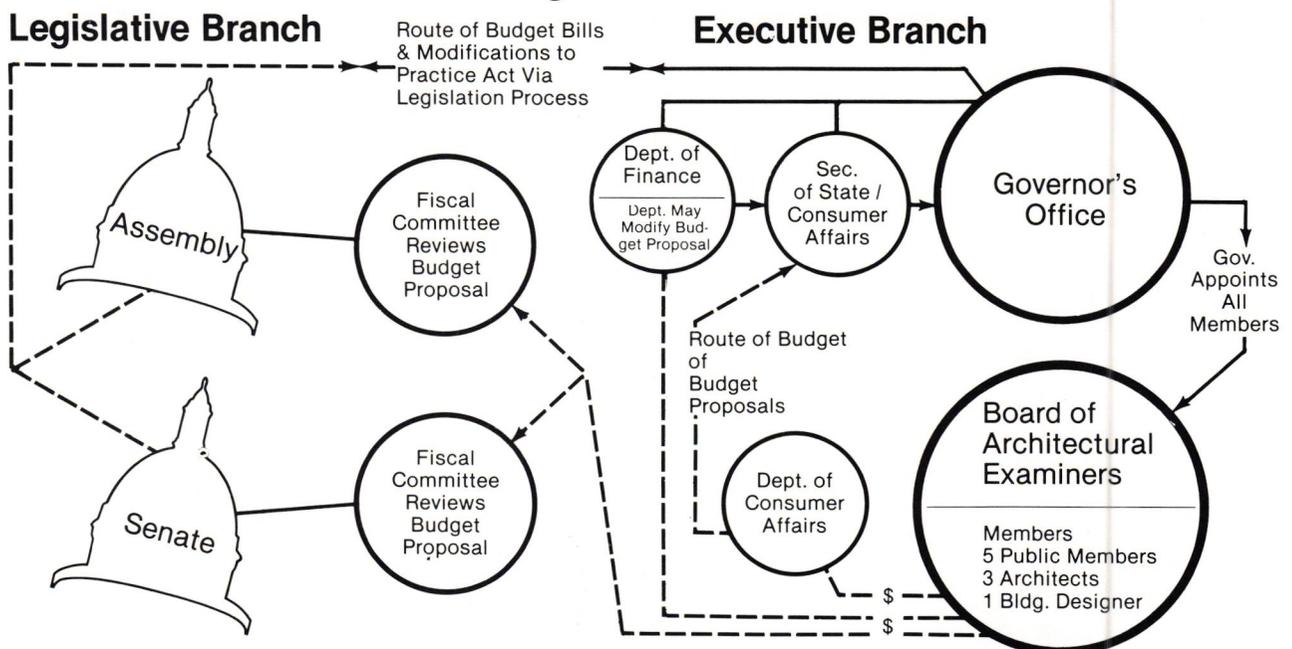
**Thomas Trischler**  
Education, Examination, Licensing Work Group

and the exam procedures be reviewed on a regular basis.

- Recommending that every effort be given to keeping the exams process within the NCARB system, to avoid disrupting the gains made towards simpler reciprocity between the states, while recognizing those inequities which now exist.
- Suggesting that mandatory continuing education and recertifica-

tion be reserved for use in specific, individual cases of professional incompetence, and not used as general measures unless there is clear evidence of widespread incompetence within the profession (in the Steering Committee's opinion, there is widespread evidence of the profession's basic *competence*. Incompetence is not a major problem in architecture).

**Figure 1 Position of the Board of Architectural Examiners in the Legislative/Budgetary Process Under the Existing Practice Act**



- Recommending the strengthening of enforcement, including steps being taken to ensure its fairness and that there is adequate professional involvement in judging when infractions of the Practice Act have occurred. There should be a specific report on enforcement made to the Legislature as part of the BAE's annual report on its activities (if this reform is enacted).

- Noting that there is no present justification for licensing para-professional groups of architectural specialties, the Steering Committee also noted that several groups—building designers and interior designers, in particular—are seeking state recognition. Interior designers have argued in other states that architects should be precluded from practicing interior design unless they demonstrate specific qualifications in the area. The Steering Committee recommends that the CCAIA oppose these efforts to carve away aspects of architectural practice from the profession, and resist any attempt on the part of para-professionals to obtain

registration or licensing unless there is a compelling public protection reason for state intervention.

## Board Action

After an "omnibus motion" was put forward by **Virgil Carter, AIA**, Director of the Santa Clara Valley Chapter, the Board voted to accept a series of motions recommended by the Committee. This approval means that the CCAIA:

- Approves and adopts the Steering Committee's recommendations for restructuring the BAE.
- Adopts and affirms its support for the Committee's recommendations on the exemptions and exceptions to the Practice Act.
- Adopts as CCAIA policy the concept that the building designer category should be deregulated and qualified building designers enfolded into the architectural profession.
- Resolves that the CCAIA will initiate legislation to put into effect the reforms recommended by the Steering Committee.

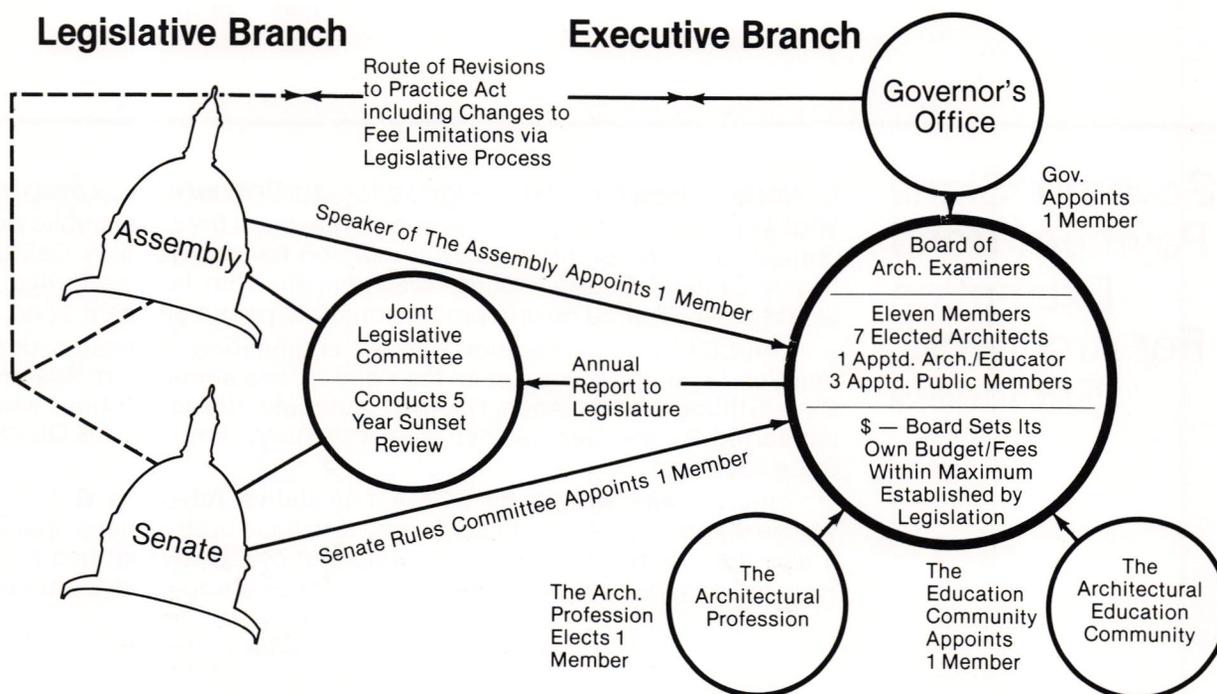
- Creates a formal group within the CCAIA to continue to monitor issues pertaining to architectural registration as they arise.

- Creates a task force—the *Committee on Registration Legislation*—to manage the legislative effort required to enact the reforms recommended by the Steering Committee. This new task force will put together a legislative implementation plan for the Board of Directors' review and approval.

These two successor groups to the CCAIA Steering Committee on Registration are to be appointed by the CCAIA Executive Committee in concert with the Steering Committee. The Steering Committee is wrapping up its work in preparation for handing over its tasks to its successors, and will serve as consultants to these groups through the remainder of the year.

Following its action on the Steering Committee's suggested motions, the Board asked the Committee to issue its Report to all architects in California.

**Figure 2 Position of the Board of Architectural Examiners Under the Revised Practice Act**



## Architects Receive Memo Warning Of Possible Fine For Handicapped Accessibility Non-compliance

**One item in architects' mail this summer was a set of two memos** — one from **Hollynn Fuller** of the California Department of Rehabilitation and one from BAE President **Dan Wooldridge**—on the subject of “punitive action against architects who violate the access standards.”

The memos have generated a fair amount of discussion within the profession, particularly in light of the CCAIA and chapter efforts—locally and at the state level—to support disabled access/mobility and at the same time bring a measure of consistency and consistent enforcement to the large number of often-conflicting standards now in existence.

“Although Wooldridge’s memo attempted to restate the Fuller memo more politely,” said **J. Russell Levikow, FAIA**, San Francisco, Chairperson of the Registration Steering Committee Enforcement Task Group, “it indicates a lack of understanding of the complexity of the problems related to compliance with handicapped accessibility standards. It also ignores the involvement of building owners, contractors and building officials, who play a key role in the process.”

Fuller’s memo, which asks ‘organizations and members supportive of the rights of people with disabilities’ to turn in architects they think have violated disabled standards in buildings ‘constructed within the last few years,’ “amounts to pinning the profession with the responsibility for a situation in which every building’s ‘compliance’ is a bargaining process with local or state officials, and in which there is no meaningful standard that a local code authority can enforce with any confidence,” asserted Levikow.

This has led to cities like San Francisco and Fresno creating *ad hoc* ‘guidelines’ for access “which provide an additional layer of regulation and a potential area for conflict in achieving compliance,” according to Levikow.

The CCAIA Steering Committee on Registration has requested a meeting with Wooldridge to clarify the BAE’s position on what constitutes “compliance.” given the present situation. It has urged CCAIA members to write to Wooldridge independently, expressing reactions to the memos.

The memos grew out of Hollynn Fuller’s efforts, begun in February, to get the BAE to ‘take action’ in the area of accessibility. Concluded Levikow, “The BAE has finally responded by sending out these memos, which the Steering Committee believes are unwarranted and an excellent example of the BAE’s willingness to ignore the regulatory and professional realities in seeking to cooperate with other state agencies.”

—John Parman

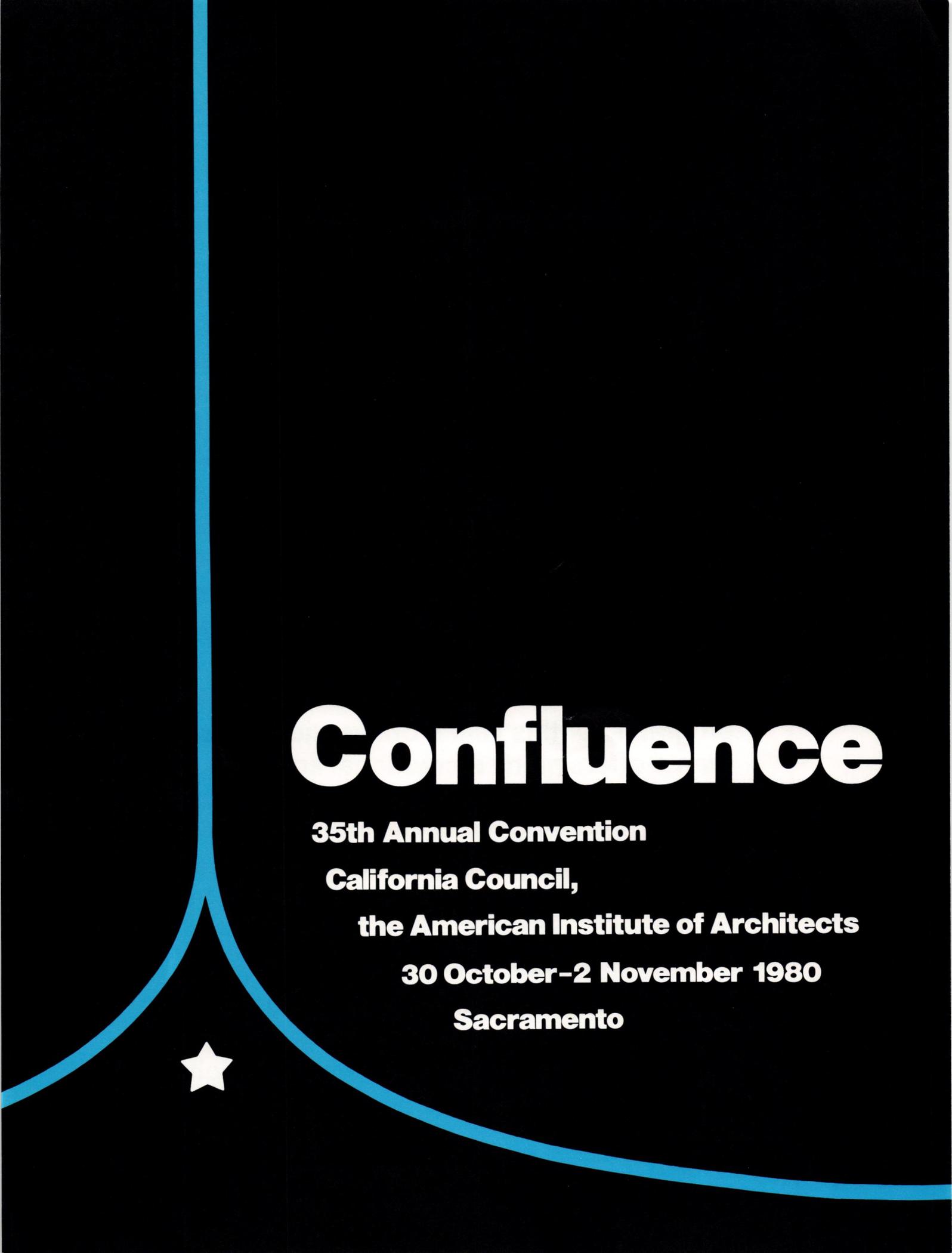
## Governor Signs Payment Bond Exemption For Architects, Engineers

**Governor Brown recently signed legislation which exempts architects** and engineers from the posting of payment bonds on public work. This corrects a condition created by an opinion handed down by California Attorney General George “Duke” Deukmejian. That law, as it was written, would have required design professionals to post a payment bond.

The CCAIA, in cooperation with the engineering profession, drafted exemption legislation as soon as the opinion was announced. **Assemblyman Dave Stirling** (R-Hacienda Heights) authored the legislation, which was supported by the General Services Administration and the Office of the State Architect.

The bill was written by CCAIA Legislative Advocate Gordon Fleury, whose diligent lobbying efforts helped it to pass both Houses unanimously. It was the third bill written and sponsored by CCAIA that has passed the legislature in the past two years. The other two bills concerned energy issues.

— Daniel J. Sheridan



# **Confluence**

**35th Annual Convention**

**California Council,**

**the American Institute of Architects**

**30 October–2 November 1980**

**Sacramento**

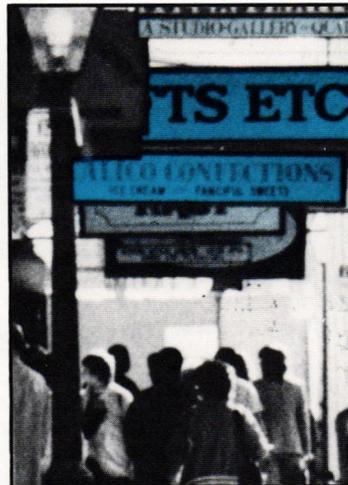
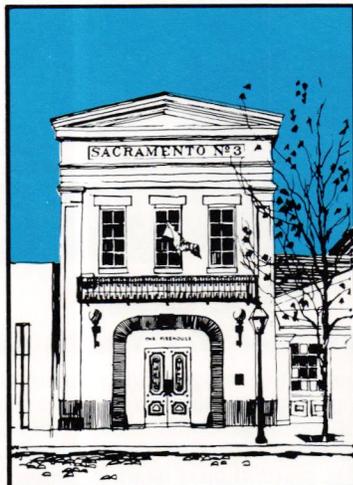
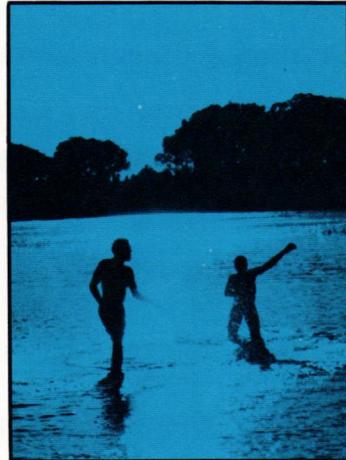


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**T**oday, more than 125 years after the Gold Rush, Sacramento shines with a unique mix of the old and the new. Sacramento's rich historical past complements the many contemporary activities offered in this still lively and spirited River City. Authentic gas-lit boardwalks and cobblestone streets pave the space between quaint shops, theaters, monuments depicting the past, saloons and excellent dining establishments in the newly reconstructed "Old Sacramento."

To round out the professional and social programs for this year's Convention, Sacramento offers many recreational activities. It has several natural river areas which feature rafting, boating, waterskiing and fishing. For the more traditional competitive sportsmen there are also many good facilities for tennis, golf and racquetball.

There really is "something for everyone" at this year's Convention site. Truly at the "Confluence" of some very important and enjoyable Fall activities, Sacramento might surprise you.



Join us at the  
1980 Convention

**SACRAMENTO**

# Confluence... A Place of Meeting...

IN SACRAMENTO, the coming together of ARCHITECTS from throughout California, building product EXHIBITORS from throughout the nation, LEGISLATORS and GOVERNMENT LEADERS from throughout the State.

## Friday ★ Saturday Professional Programs

### Communication: "Right Brain Designers in a Left Brain World"

The first transcontinental telegraph was a beginning. In today's world of mass and rapid communication, we can increase our effectiveness by examining the essence of even the most basic interpersonal communication—getting the idea or message across.

- ★ The form, substance and expression of design ideas through improved communication
- ★ Designers as effective managers of the human environment interface
- ★ Behavioral basis of design: past, present, future

### Finance: "After the Gold Rush"

In 1848, the "Cry of Gold" made many a fool, and only a few lone men wealthy. It was the enterprising businessmen (merchants, land developers, lenders) who struck it rich because they were aware of the changing economic climate of the times. Land use, finances, real estate and the architect—what are the trends of the '80s?

### Computer Application: "The Soft Touch" & "The Hard Facts"

The American District Telegraph Company and the Sacramento Telephone Exchange were pioneer information vehicles, perhaps precursors to the first computer. The electronics evolution, with its application to design and business practices, is certain to impact the appearance and operation of the typical architectural office in the '80s.



### Transportation: "On the Move"

From wagon trains, riverboats and locomotives to automobiles, freeways, and rapid transit, our transportation modes have advanced dramatically. Where we live and how we travel—land use and traffic patterns—impact all our environments.

### Energy: "Alternative Resources"

During the 1850s, water for the Eureka Swimming Baths was stored in a metal tank in the back of the Schroth Building and was heated by the sun. Energy conscious design and conservation in the '80s will be impacted by the availability of materials and finances, and the future will be shaped by our choices as to how we conserve.

### Art In Public Places: "At Home Outside the Gallery"

The Pony Express is commemorated at Second and J Streets in Sacramento by a bronze statue of a horse and rider—the work of Thomas Holland, one of America's best known sculptors. As architects we can create these open museums to complement the enrichment offered by traditional museums like Sacramento's Crocker Art Gallery, the West's oldest. Will it be 1% or 2%?

### "Architectural Currents"

Simple box structures grew to splendid Victorian design during that period when the carpenter was the architect. A unique California style of architecture evolved, with influences from Bernard Maybeck to A. Quincy Jones. This California architectural perspective relates to the total development of the State and suggests the future of the practicing architect.



### "The Great Restoration—107 Years Later"

Sacramento received the designation as capital of the state in 1854, after vying for this honor with several other California cities, including San Jose. Construction of the Capitol building began in 1860 and was completed in 1874 at a cost of \$2,600,000. 107 years later, in the 1980s, restoration is nearing completion. Though the Capitol is inaccessible for interior viewing, models of the original staircase, marble floor and ornament will be on exhibit, and an illustrated presentation will trace the restoration process.

### "Sacramento: A Microcosm of California Heritage"

Sacramento is, indeed, representative of the overall development of the State of California. One can still walk down board sidewalks and cobblestone streets illuminated by gaslight and rich in history—the Gold Rush, the Pony Express, the Transcontinental Railroad.

An overview presentation and tour through Old Sacramento, the Railroad Museum, the Governor's Mansion, the Crocker Art Gallery will set the stage for a reunion with the past.

### Advanced Technology: "Tools of the Trade"

The crevice knife and pan became obsolete with the development of hydraulic mining in the 1850s. Rapid advances in our high tech and space age world have changed the building materials, construction practices and environment control systems specified in today's designs.

# Confluence... Uniting, Joining...

IN SACRAMENTO, the bringing together of the form and substance of CALIFORNIA ARCHITECTURE through programs, displays and activities which illustrate the linkage between PROCESS and PRODUCT; the connection between PAST and PRESENT in influencing the FUTURE; the relationship of DESIGN, LEGISLATIVE, and ECONOMIC factors in promoting the highest quality of environment and life.

## Adaptive Re-Use: "The Exodus Back— A Return to the City"

By 1850, an untamed tent city had begun its growth into today's modern metropolis with towering office buildings and communities stretching into the suburbs. Today, Sacramento, like many major American cities, is rediscovering its original structures, going back to the old to adapt and rebuild for contemporary, new uses.



### Other Programs & Activities

Meeting details, program information and registration forms for the following activities will be published in individual newsletters or communications. You may also register on-site at the Convention.

#### Architectural Secretaries Association—ASA

The CCAIA and ASA encourage architectural employers to send their administrative personnel to the 1980 Convention. On Saturday, 1 November, the ASA will offer two important professional development workshops, "Budgeting Your Marketing Effort" and "Managing Numbers." The cost of one session is \$20 for ASA members, \$30 for non-members; the cost of both sessions is \$30 for ASA members, \$50 for non-members. For further information, contact Maxine Young (415) 523-9121.

#### Women's Architectural League—WAL

The Women's Architectural League invites all women attending the Convention (WAL members and non-members) to their activities. There is no cost for the business meeting scheduled for Saturday morning, 1 November. For further information, contact Mrs. Sally Landworth (213) 345-9768.

#### CCAIE

#### California Council of Architectural Education

The CCAIE will hold its fall meeting all day on Wednesday, 28 October and one half day on Thursday, 29 October. The cost for the meeting is \$25 which includes a buffet lunch on Wednesday. For further information, contact Richard Chylinski, AIA, President of CCAIE (714) 598-4175.

#### Associates' Breakfast Caucus

This Saturday morning meeting will provide a valuable opportunity for all Associate AIA members to increase their understanding of the processes and operation of the CCAIA. It will also be a time to define the goals and critical issues which Associates will address in 1981. The cost of the breakfast is included in the Associate registration fee. A high attendance is crucial to the professional development and awareness of all AIA Associates. The Associates are also scheduled to "Meet the BAE".

#### Student Lunch Caucus

The students will continue their tradition of a box lunch and caucus at noon on Saturday. The cost is included in registration fee.

#### Very Special Events: "History in the Making"

##### ★ "Cocktails in Costume"

##### Thursday Guest Night Party

Sponsored by the Masonry Industry of California  
A splashy party will again kick off festivities in the exhibit area. Design Professionals and building industry representatives will exchange good information as well as good cheer. Come in costume.

##### ★ "The Great American Institute of Architects Banner Contest"

##### ★ "Art in Public Places?"

##### Saturday Noon Pumpkin Carving Contest

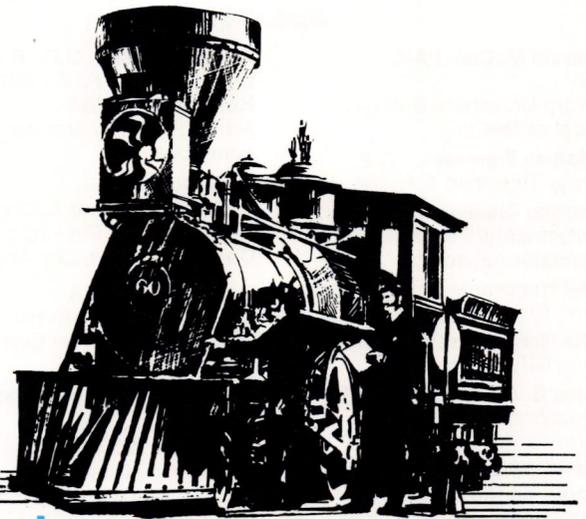
Sponsored by Ceramic Tile Institute of Sacramento  
One more chance for fame and fortune, so sharpen your knives and look through the family portrait album....

##### ★ "Saturday Night Live... and All That Jazz"

Again, this year, we will feature a gala dinner followed by dancing and jazz entertainment. Looking back into time, we will recreate a meal served at a significant moment recorded in history.

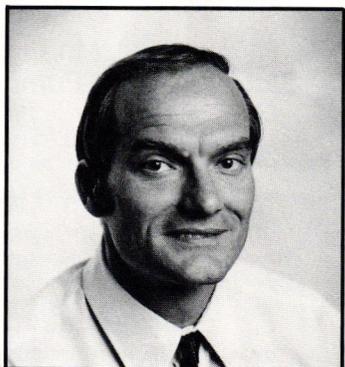
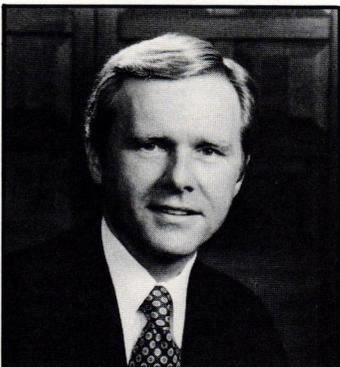
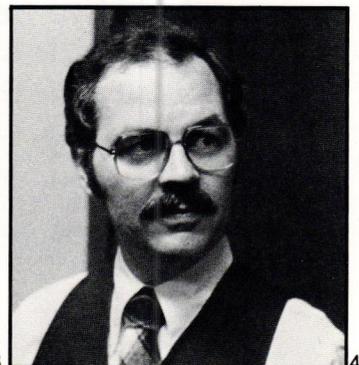
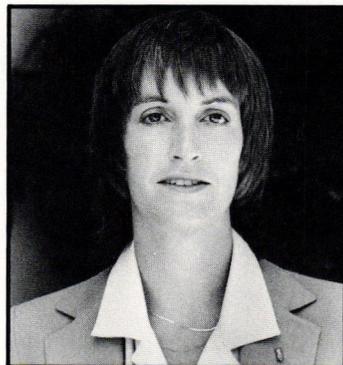
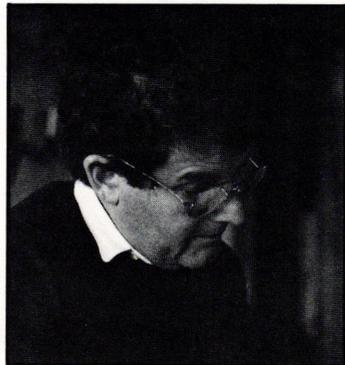
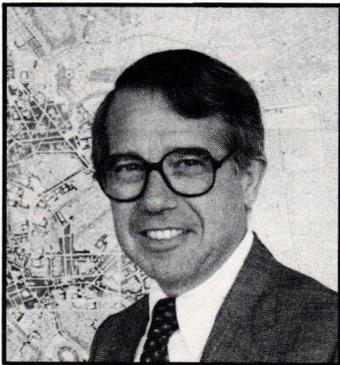
##### ★ Architectural Drawing

A popular event... Exhibitors are offering another architectural tour for two in Mexico. Register at exhibit booths and take your chances for this and other fun prizes.



Join us at  
the 1980 CCAIA  
35th Annual Convention  
October 30 thru November 2  
Sacramento, California

# Confluence... The Flowing Together of Two or More Streams... IN SACRAMENTO, the merging of the Sacramento and American Rivers where rafting, waterskiing and fishing are just a few of the recreational activities offered in this historic, yet thoroughly modern city; where daytime antiquing trips, historical tours and cultural events flow into nighttime adventures in superb dining, dancing and entertainment.



## Speakers

1. **Gerald McCue, FAIA**  
Dean  
Harvard University Graduate  
School of Design
2. **Stanley Tigerman, FAIA**  
Stanley Tigerman & Assoc., Ltd.
3. **Yvonne Clearwater, Ph.D.**  
Environmental Psychologist  
Clearwater Associates
4. **The Honorable Phillip Isenberg**  
Mayor, City of Sacramento
5. **The Honorable Pete Wilson**  
Mayor, City of San Diego
6. **Jens G. Pohl, Ph.D., FRAIA**  
Professor of Architecture  
California Polytechnic  
State University
7. **Paula Boghosian**  
Historical Environment Consultant
- John C. Worsley, FAIA**  
Capitol Restoration
- Patricia Fuller**, Coordinator  
Art in Public Places  
National Endowment for the Arts
- William Moskin**, Director  
Sacramento Arts Commission

- Arthur Erickson, O.C., B.Arch.,  
D.Eng., LL.D., FRAIC, ARCA,  
Hon. FAIA, MRIBA**  
Arthur Erickson Architects,  
Vancouver
- Sol L. Rabin**  
1st Vice President & Director  
of Real Estate Research  
Coldwell Banker, Los Angeles
- Dan Peterson, AIA**  
Chairperson, CCAIA Historic/  
Urban Conservation Committee
- Bruce D. Judd, AIA**  
Charles, Hall, Page & Associates
- Spencer Jue, AIA**  
Chairman, CCAIA Professional  
Technology Committee
- Donald Appleyard**  
Department of City and Regional  
Planning, University of California,  
Berkeley
- Barry Wasserman, AIA**  
State Architect
- John Gilbert Vegas, AIA**  
Supervising Architect  
Office of the State Architect

## Schedule In Brief

- Wednesday ★ 29 October**  
Executive Committee Meeting  
and Luncheon  
CCAIE Meeting and Luncheon  
Board of Directors Meeting  
Board of Directors Reception
- Thursday ★ 30 October**  
Board of Directors Meeting  
CCAIE Meeting  
Luncheon with Governor Jerry  
Brown Invited as Keynote  
Speaker  
Registration Opens  
Exhibits Open  
Keynote Presentation:  
Gerald McCue  
Welcoming Guest Night Party
- Friday ★ 31 October**  
Registration  
Major Opening Presentation  
Professional Program Workshops  
Exhibits  
Picnic Lunch/Awards/Exhibit  
Hall Activity
- Friday ★ 31 October**  
Professional Program Workshops  
Exhibit Hall Presentation—  
Door Prize Awards  
Professional Program Workshops  
Evening Presentation
- Saturday ★ 1 November**  
Food for Thought Breakfasts  
Associates Breakfast Caucus  
Major Opening Presentation  
ASA Workshops  
WAL Meeting  
Exhibits  
Professional Program Workshops  
Lunch and Exhibit Hall Activity  
Student Lunch Caucus  
Exhibits Close  
ASA Workshop  
Professional Program Tours  
Gala Dinner/Jazz Entertainment/  
Dancing
- Sunday ★ 2 November**  
Sports/Recreation

# Confluence... The CCAIA 35th Annual Convention...

## 1980 Convention Registration Form

Please Register by **20 October**. After 20 October, call CCAIA (415) 986-0759 for a phone reservation.

## Hotel Registration Form

Please Register by **7 October**. Mail Form and check directly to the hotel of your choice.

Name(s) \_\_\_\_\_

Spouse/Guest(s) \_\_\_\_\_

Firm/School: \_\_\_\_\_

Business Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

AIA  Assoc. AIA  Student  Other  Chap. \_\_\_\_\_

### Registration Fees

		No. of Persons	Subtotal
<b>Architects/Other Professionals</b>	\$105	_____	\$ _____
<b>Spouse/Guest</b> (Includes: All Professional Programs, Thursday Keynote Lunch, Thursday Guest Night Party, Saturday Night Dinner and Jazz Entertainment)	\$ 60	_____	\$ _____
<b>Associates</b>	\$ 70	_____	\$ _____
<b>Spouse/Guest</b> (Includes: All Professional Programs, Thursday Guest Night Party, Saturday Morning Associates Breakfast Caucus, Saturday Night Dinner and Jazz Entertainment)	\$ 45	_____	\$ _____
<b>Students</b> (Includes: All Professional Programs, Thursday Guest Night Party, Saturday Student Lunch and Caucus)	\$ 25	_____	\$ _____
<b>Sub Total (A)</b>			<b>\$ _____</b>

### Optional Ticketed Events

	Cost	No. of Tickets	Sub Total
Sat. "Food for Thought" Breakfasts			
Professional Legal Liability	\$ 5.00	_____	\$ _____
Codes and Regulations	\$ 5.00	_____	\$ _____
Historic Preservation	\$ 5.00	_____	\$ _____
Registration/Prof. Licensing	\$ 5.00	_____	\$ _____
Alumni Reunions	\$ 5.00	_____	\$ _____
Fri. Noon Picnic Lunch and Exhibit Hall Activity	\$ 5.00	_____	\$ _____
Sat. Night Dinner and Jazz Entertainment (Optional for Students and additional Guests)	\$20.00	_____	\$ _____
<b>Sub Total (B)</b>			<b>\$ _____</b>
<b>TOTALS (A&amp;B)</b>			<b>\$ _____</b>

Make checks payable and mail with Registration Form to:  
**CALIFORNIA COUNCIL, AIA/Convention**  
1736 Stockton St. • San Francisco, CA 94133

Please indicate your hotel and accommodations preference below. Include one night's room deposit or guarantee payment to confirm your reservation.

Hotel	Single	Double/Twin
<b>Holiday Inn Capitol Plaza</b> Headquarters Hotel 301 "I" Street Sacramento, CA 95814 (916) 446-0100	<input type="checkbox"/> \$40.00	<input type="checkbox"/> \$46.00
<b>Mansion Inn</b> 700-16th Street Sacramento, CA 95814 (800) 952-5604 (Toll Free)	<input type="checkbox"/> \$32.00	<input type="checkbox"/> \$38.00

Hotel Name: \_\_\_\_\_

Name(s) of Occupant: \_\_\_\_\_

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Date of Arrival: \_\_\_\_\_ Time: \_\_\_\_\_ Date of Departure: \_\_\_\_\_

Advance Deposit Included \$ \_\_\_\_\_

Guaranteed Payment/Credit Card # \_\_\_\_\_



### Special thanks to the 1980 CCAIA Convention Committee:

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"Confluence" Logo Design: Whitson W. Cox, FAIA  
Design: Artel Design

**The Bringing  
Together of  
the Form  
and Substance  
of California  
Architecture**

 **Join us**



# ENERGY:

## CEC to Propose New Residential Energy Regulations

**The California Energy Commission is about to propose a new set of performance-based residential energy standards.** According to Bill Pennington, Project Manager, the new target date for the release of the proposed standards is early September. A series of adoption hearings will be conducted in the fall with the standards expected to take effect later in 1981. Staff reports are now available from the Commission summarizing many of the assumptions and research.

These are available free by writing to the Publications Unit, California Energy Commission, 1111 Howe Avenue, Sacramento, CA 95825.

## Calendar of Energy Events

September 17-19

— Prepared by Charles Eley, Energy Consultant

**“The Engineering Basics of Solar Energy”** University of Santa Clara, Santa Clara. Seminar will explore solar heating and solar electricity and will outline the role these technologies play in the future of energy.

*Faculty:* **Michel Saad**, Department of Mechanical Engineering, University of Santa Clara; **Gene J. Antonides**, Research Specialist, Lockheed Missiles and Space Company, Inc.; **Raymond Degner**, Manager in Engineering, Acurex Corporation; **Roger Wedel**, Senior Scientist, Lockheed Research Laboratories.

\$375 registration fee. For additional information, contact Institute for Continuing Engineering Education, University of Santa Clara, Santa Clara, CA 95053; (408) 985-3929.

September 25-26

**“The 1980 Solar Update Conference,”** Salt Lake City, Utah. Sponsored by Western SUN (WSUN), the U.S. Department of Energy and Utah Energy Office. Overview of current state-of-the-science of solar development in the Western states, featuring presentations on the practical aspects of the design and construction of solar installations, financing solar projects, conservation and special segments on earth sheltered constructions including design, local climate considerations, waterproofing, tax credits and building codes.

Speakers include **Dr. Donald W. Aitken, Jr.**, Director of WSUN; **James R. Augustyn**, Vice President, Berkeley Solar Group; and **John Yellott**, Solar Architect, Philosopher and currently Professor, College of Architecture, Arizona State University, Tempe.

\$50 registration fee. For additional information contact MCC Associates, Inc., 1533 Red Oak Drive, Silver Spring, MD 20910; (301) 589-8130.

October 14

**“Energetic Realities: Three Young Architects,”** The Galleria Design Center, 101 Kansas Street, San Francisco, 8:30 p.m. A presentation of works by the younger generation of northern and southern California architects who have new orientations toward energy needs.

Moderator: **Mark Mack**, Architect, San Francisco, co-founder of *Archetype* magazine; Architects **Peter Calthorpe**, Inverness; **Fred Fisher**, Los Angeles; and **Stanley Saitowitz**, San Francisco.

\$6.00; \$5.00 AIA members and San Francisco Museum of Modern Art members. For additional information contact the Northern California Chapter AIA, 790 Market Street, San Francisco 94102; (415) 362-7397.

October 19-26

**“The Fifth National Passive Solar Conference,”** University of Massachusetts, Amherst. Program will include overview plenary sessions, technical papers, tutorials, workshops, tours, products and project exhibits.

For additional information contact Passive Solar 1980, Box 778, Brattleboro, VT 05301; (802) 254-4221.

## Energy Campaign Now at Legislative Contact Stage

**"Architects on Energy - Seeking to Conserve,"** CCAIA's publication which summarizes the findings of three Energy Committee task forces, has been sent to all CCAIA members, and will soon be in the hands of California legislators and political candidates, as CCAIA's Energy Campaign moves into full swing. The principal element of the campaign begins this month with the initiation of a three month Legislative Contact Program focusing on energy.

As announced in the last issue of *Architecture California*, the Energy Campaign kicked off with the publication of the brochure and a press meeting in Sacramento. CCAIA Energy Consultant, **Charles Eley, AIA**, San Francisco, along with members of the Energy Committee and representatives of CCAIA, then met with Governor Brown and the California Energy Commission to discuss in greater detail the findings and recommendations of the Committee.

The ultimate goal of the Energy Committee, and the reason for the campaign, is to produce and have passed legislation concerning standards for energy conservation/consumption in buildings, and providing for incentives for conservation rather than consumption and waste of energy.

To reach this goal, CCAIA has developed the Legislative Contact Program. Architects will meet with every legislator and candidate for state office in California. The meetings will be in the Legislator's home district, and will be coordinated by one architect from each chapter. (The legislators and candidates have been divided according to CCAIA chapter boundaries.) Any number of interested architects will join the legislators or candidates for these meetings, to review with them the profession's concern about energy.

"This marks the beginning of a major effort to involve the architectural profession at the local legislative level," noted **Daniel J. Sheridan**, CCAIA Executive Vice President. "It will require each chapter to develop a legislative contact commitment."

Architects are well on their way to making that commitment, with most chapters having designated a legislative contact coordinator.

The overall program is being coordinated by Deaver & Hannaford, Inc., CCAIA's Public Awareness/Public Affairs Consultant, who is arranging the meetings with the legislators and candidates.

—Barbara Speer

## CCAIA Priorities For Energy Legislation

Bill No./Author	Title/Content	Strategy/Hearing Dates*
AB 2030 Levine (Calvo)	<b>Solar Tax Credit.</b> Would extend 55% solar tax credit until Jan. 1, 1988 and would authorize a credit for energy conservation measures not applied in conjunction with a solar energy system. Eliminates deduction of state and local taxes on sale of gas, diesel fuels, and other motor fuels.	<b>Support</b> - To Senate Floor
AB 2036 Hart	<b>Solar Tax Credit.</b> Would extend 55% solar tax credit until Jan. 1, 1984. Would allow up to \$3,000 in credits for specified solar systems to be claimed in subsequent years.	<b>Support</b> - To Senate Floor
AB 3046 Levine	<b>Energy Conservation: Residential and Commercial Buildings.</b> Would require owners of existing residential and commercial buildings to install certain conservation measures.	<b>Support</b> - Now being amended prior to forwarding to Senate Floor
AB 3157 Deddeh	<b>Solar Energy System.</b> Would specify that a solar energy system include the use of solar devices for daylighting and such systems would qualify for the 55% solar tax credit.	<b>Support</b> - Amended to SB 1390 (Craven); To Assembly Floor
AB 2893 Cline Hayes	<b>Electrical Generation Equipment Amortization.</b> Would allow a method of amortization on electrical generation equipment, whose energy source is other than fossil fuel or nuclear, that is in service before Jan. 1, 1986.	<b>Support</b> - To Senate Floor
AB 2281 Wyman	<b>Solar Energy Systems &amp; Property Taxes.</b> Would make existing Solar Energy Systems exempt (fully or partially) from existing property taxes. For new construction which contains solar systems, any portion in excess of a comparable fossil fuel heating system would be exempt (fully or partially).	<b>Support</b> - Dropped by Author



## Book Review:

# The California Passive Solar Handbook

By Charles Eley, CCAIA Energy Consultant

**A**t last here is a book for the serious passive solar designer. Use of the Handbook was featured at *The Third Annual CCAIA Energy Conference* at Lake Tahoe this month — and for good reason. It not only contains extensive information relevant to passive design, but that information is clearly presented and logically organized. In addition, it is one of the few passive design tools that places as much emphasis on cooling as it does on heating.

The Handbook will prove to be an extremely useful design aid for the passive solar residential architect because of its considerable scope and its easily assessable contents.

The bulk of the Handbook deals consecutively with six passive types:

- Distributed mass-direct gain heating and night ventilation cooling.
- Concentrated mass-direct gain heating and night ventilation cooling.
- Thermal wall heating and night ventilation cooling.
- Roof pond heating and cooling.

- Thermosiphon heating and earth sink cooling.
- Sunspace heating and night ventilation cooling.

### 3 Levels Of Information

For each passive type there are three color-coded "levels" of information: conceptual, analytical and detail. The first level (white pages) contains conceptual material, such as advantages, disadvantages, architectural requirements, proportional relationships, variations and the like.

Following that is the performance level (tan pages) containing numerous performance and sensitivity graphs. Each passive type is evaluated (with limited exceptions) in 14 climatically different California cities. Information is given to size the systems and determine annual energy performance.

The last or detail level (buff pages) has drawings and architectural details of solutions typical for each passive type.

Not only is specific information about the six passive types at the tip of one's fingers, but the Handbook itself contains much additional information, as well as clear instructions on the Handbook's use.

### Performance Data Useful

The performance data in the Handbook is based on computer simulation of prototype passive solar buildings, using the CALPAS

*Continued next page.*

Bill No./Author	Title/Content	Strategy/Hearing*
SB 1306 Alquist	<b>Property Tax Exemption.</b> Would exempt solar systems from property taxes through 1985. Would require voters to approve SCA 28. (See below.)	<b>Support</b> - To Assembly, 3rd Reading
SCA 28 Alquist	<b>Property Tax Exemption.</b> Would exempt alternative energy systems from property taxes if approved by voters in Dec. 1980 election.	<b>Support</b> - Chapter #48; June 26, 1980
SB 1746 Mills	<b>School Buildings—Passive Solar Design.</b> Would require State ERCDC to promulgate standards for construction of school buildings which utilize passive solar design.	<b>Support with Amendments</b> - To Assembly
SB 1205 Roberti	<b>Creation of California Energy Development Authority.</b> Would create the California Energy Development Authority to provide financial assistance to eligible applicants for conservation and alternative energy projects.	<b>Support</b> - Interim Study in Assembly Ways & Means Committee
SB 16 Roberti	<b>Energy Systems Loans.</b> Money would be made available for loans for the Industrial and Commercial applications of solar and alternative energy systems. Administration would be by the State Business & Industrial Development Corporation.	<b>Support</b> - Chapter #819; July 28, 1980
SB 1797 Garamendi	<b>Solar Tax Credits.</b> Would authorize tax credit equal to 15% (not to exceed \$300) of the cost of any qualified energy conservation measures. This bill would provide a refundable tax credit for individuals, banks, and corporations. The credit would be applicable to taxable years after Dec. 31, 1979.	<b>Support</b> - To be heard in Assembly Ways & Means Committee August 19, 1980
ACA 61 Wyman	<b>Property Tax Exemption.</b> Would exempt any portion of property which is used as a solar energy system from property tax.	<b>Support</b> - Dropped by Author

\*As we go to press, the Legislature is nearing its recess. The status of many of these bills will change as last-minute action is taken.

**Book Review** continued from page 19.

program. The annual energy requirement for heating and cooling is correlated with the area of south glazing, the area of thermal mass and other factors. This type of correlations method has the advantage of simplicity, but must be used with caution. If there is good agreement between a proposed design and the prototypes, then the results are very accurate; but if the design varies significantly from the prototype, then the results become less de-

pendable. With this caution heeded, the Handbook can be used with acceptable accuracy to design and evaluate the majority of passive solar homes.

One final point. There is a good chance that the method presented in the book for evaluating annual energy use will be certified as a means to show compliance with the new residential energy standards soon to be proposed by the California Energy Commission.

In summary, the Handbook will

be a welcome addition to the passive designer's library. There is currently no other book or design method on the market as complete or useful as this one.

The **Passive Solar Handbook** can be purchased from:

California Energy Commission,  
Publications Unit,  
1111 Howe Avenue,  
Sacramento, CA 95825

The price of \$7.42, which includes mailing, must be prepaid when ordering from the Commission. ■

## Southern California Firm Selected To Design Display House

**The firm of Kappe Lotery Boccato, Santa Monica, has been selected as the architect for the Advanced Technology Display House (ATDH), the joint venture between CCAIA, PG&E and NASA-Ames Research Center. Planning has already begun, with the design expected to be completed by mid-1981.**

"Response to the proposal was very impressive," noted Architect Selection Committee chairperson **Frank Tomsick, FAIA**, San Francisco. "We received 30 responses from throughout the state, from firms of all sizes except those with over 100 persons," continued Tomsick.

The 30 proposals were first screened by a Committee of three architects: **Tomsick; Homer Delawie, FAIA**, San Diego; and **George Bissell, FAIA**, Newport Beach. Seven firms were selected to make final presentations: **Kappe Lotery Boccato; L. Gene Zellmer Associates**, Fresno; **Sam Davis, Architect**, Berkeley; **Buss, Silvers, Hughes**, San Diego; **Rob Quigley, AIA**, San Diego; **Sandy & Babcock**, San Francisco; and **Ron Yeo, FAIA, Architect, Inc.**, Corona del Mar.

For the final selection process the jury was joined by **Ittsei Nakagawa, AIA**, PG&E's representative, and Louis Brenwald, Director of Administration at NASA-Ames. "All those interviewed made excellent presentations, and all in all showed architects to be very competent in this new field of advanced technology design," said Tomsick. "It was difficult to narrow the field to even seven, much less to finally select one firm."

Concluded Tomsick, "All of the finalists appeared capable of doing a fine job, and made presentations which indicated they were sensitive to the parameters of this special project. Any one of the firms would have delivered the high quality product and presented the appropriate image for the architectural profession in California. Kappe Lotery Boccato's edge, though clear, was slim."

— Barbara Speer

## 2 New Professional Development Committees Established

**CCAIA has established two new professional development committees.** The *Professional Development Overview Committee* will determine the professional development needs of California architects, and the best way of meeting them. The committee is also responsible for presenting to the Board of Directors the proposed 1981 professional development programs.

Members of the committee include, **Virgil Carter, AIA**, San Francisco; **P.K. Riebsamen, AIA**, Los Angeles; **Harry Haimovitch, AIA**, Berkeley; **Cles Wiseman, AIA**, Irvine; **Edgar Huxley, AIA**, San Diego; **David R. Thistlethwaite, AIA**, San Francisco; and CCAIA Vice President of Education, **Paul R. Neel, AIA**, San Luis Obispo.

The *Professional Development Conference Management Committee* has been established with the responsibility to budget and manage conferences. Chairman **Bill Richardson, AIA**, San Francisco, is assisted by CCAIA Vice President of Education **Neel**, CCAIA Executive Vice President **Daniel J. Sheridan** and **Christine Meyer**, CCAIA Professional Development Director.

— Barbara Speer

## Legislative Program Presented

On July 25, **Merle D. Gilliland, AIA**, CCAIA Vice President of Legislative/Governmental Programs presented to the Board of Directors a five-part program that called for a stronger legislative/governmental affairs program for CCAIA. That program is illustrated by the following chart:

### Five Essential Elements of an Effective Legislative Governmental Program

(Programs Underway or Proposed)

- |   |  |  |
|---|--|--|
| <p><b>1 Legislative Contact</b></p> <ul style="list-style-type: none"> <li>• Legislative Minuteman</li> <li>• Board Legislative Action Comm.</li> <li>• Architects at the Legislature</li> <li>• Chapter Commitment<br/>Chapter officers meet with legislators<br/>Chapter meetings with legislators<br/>Contact with district legislative staff</li> </ul> | <p><b>2 Lobbying</b></p> <ul style="list-style-type: none"> <li>• Lobbyist</li> </ul> <p><b>3 Political Contributions</b></p> <ul style="list-style-type: none"> <li>• ARCPAC</li> </ul> <p><b>4 Public Advocacy</b></p> <ul style="list-style-type: none"> <li>• Public Awareness Consultant</li> <li>• Energy Campaign</li> <li>• Position Papers—Architects on the Issues<br/>Regulatory Reform</li> <li>• Public Affairs Forums</li> </ul> | <p><b>5 Agency/Regulatory Follow Through</b></p> <ul style="list-style-type: none"> <li>• Energy Consultant</li> <li>• BAE Liaison</li> <li>• Handicapped Regulations Review</li> <li>• Recommendations on Commission appointments</li> <li>• Allied Industry liaison</li> <li>• Agency Study Building Codes Construction</li> </ul> |
|---|--|--|

In closing his presentation, Gilliland pointed out that we need to make a commitment to the following nine areas in order to have an effective governmental affairs program:

#### Program Needs

1. Organizational Coherency—  
Roles of Board, Excom, Committees, Staff/ Consultants
2. Commitment of Resources for Legislative Program—  
Staff, Consultants, Dollars
3. Policy Directions on Proactive Programs
4. Strong Lobbyist in Sacramento
5. Strong relationship—members to Legislators
6. Strong Advocacy with public decision makers
7. Strong commitment of chapter leadership
8. Strong commitment from profession and individuals to participate in political process
9. Support for political candidates (ARCPAC)

—Daniel J. Sheridan

### Architecture California

is published six times a year by the California Council, the American Institute of Architects, a state and regional organization of the AIA. The Council is governed by a Board of Directors, including the following officers and National AIA Directors:

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(415) 986-0759

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*Editor*  
**Barbara Speer**



From the Office of State Architect:

## Precast Prestressed Roof Collapse at Antioch High School

An extremely hazardous roof collapse occurred on March 25, 1980 in the Auditorium/Gymnasium of Antioch High School in Antioch, California. Due to the alert action of several students who noticed fragments of concrete falling from the roof, and the school administrator who ordered the building vacated (less than an hour before the collapse), no one was injured. Fortunately, in this structure, there was no suspended ceiling to prevent the falling fragments of concrete from being noticed by the students.

The Antioch building, which was completed in 1959, is 100 feet wide by 240 feet long (6-40'-0" c.c. bays). The roof framing consisted of factory fabricated pretensioned prestressed lightweight concrete double tee joists spanning 36 feet between 100 feet long precast prestressed concrete girders which span the width of the building. The joists run in a continuous line parallel to the 240 feet length of the building.

The double tees are 14 inches deep and are notched to 7 inches deep at the ends where they bear on the girders. Steel bearing plates were cast into the notched ends of the double tee stems and steel plates were cast into the ends and edges of the top flange slab. The joists were welded at both ends to steel angles cast into the edges of the girders.

The ends and edges of the top flange slabs of the double tees were welded together to form the horizontal roof diaphragm, which was in

turn connected to the perimeter masonry shear walls of the building.

The failure occurred through the ends of the double tees within the reduced depth of the stems, in one of the bays in the center of the 240 feet line of continuously connected joists.

The failure was caused primarily by tensile cracking of the tees which was initiated by the creep and shrinkage of the concrete in the tees. Other factors, including two earthquakes in January 1980, and temperature change may have contributed to the collapse.

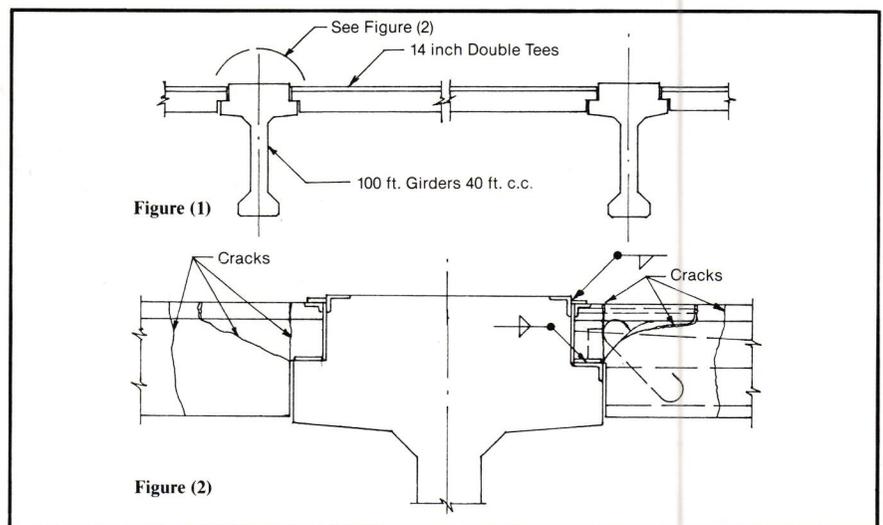
Details of a typical double tee which collapsed are shown in Figures (1) and (2). Typical cracking patterns are also shown in Figure (2).

It is possible that other buildings with precast prestressed con-

crete construction may have developed similar hazardous structural conditions. Especially vulnerable are those buildings in which the precast members are rigidly restrained at each end, so that tensile cracking with consequent loss of vertical support can occur. This restraint is accentuated where prestressed members are part of a multiple span design and the end connection detail provides a continuous tie between spans. Under this condition the creep and shrinkage shortening effect accumulates and is at a maximum near the center of the building.

It would be prudent to have similar buildings examined in detail by a structural engineer or architect for evidence of distress. ■

—Don Jephcott and Leon Stein



### 'Dollars and Sense' Topic of San Diego Conference

CCAIA's second annual Business/Financial Management Conference will be presented September 26-27, 1980 at the Hotel Del Coronado in San Diego. "Dollars and Sense: Designing the Bottom Line" aptly describes the business side of architecture," explains Lawrence Segrue, AIA, Visalia, Conference Chairman. "It is perhaps a side not as exciting as pure design, but it is equally as essential for maintaining excellence in practice."

This year's conference offers a "two in one" approach, with programs individualized for both large and small firms. A highly experienced faculty of firm principals with top management skills will share methods for increasing a firm's profitability. Whether from a large office or a small one, conferees will be able to attend workshops that advise, guide and instruct, and which



Hotel del Coronado, San Diego

## Twelve Experts On Faculty

discuss five key areas of business practice: "Know Your Costs;" "Monitor Your Staff;" "Negotiate Profitable Contracts;" "Track Your Jobs;" and "Compare Results."

Luncheons on both Friday and Saturday will feature keynote speakers. **Carl Terzian**, founder of his own nationally known consulting firm, will discuss "Motivation in the Time We Live" on Friday, September 26. Terzian will include ideas on how to obtain and retain clients and the concepts of "self" and "staff" motivation.

On Saturday, **Kenneth H. Blanchard, Ph.D.**, Escondido, President of Blanchard Training and Development, Inc., will address the issue of "Situation Leadership" and the techniques needed to avoid a common architectural firm habit: crisis management.

Terzian and Blanchard head a speaker faculty of twelve people who will share their management successes and failures. Among those speaking are: **Paul Watson, Esq.**, General Counsel/Secretary-Treasurer, Hellmuth, Obata & Kassabaum, St. Louis; **J. Edward Martin, FASCE**, Managing Partner, Albert C. Martin & Associates, Los Angeles; **John Lackens, Jr.**, President, Architectural Alliance, Inc., Minneapolis; and **Raymond Ziegler, FAIA**, President, Ziegler Kirven Parrish Architects, Los Angeles.

A conference bonus feature will be a presentation of data compiled from a questionnaire which will be sent to every registrant. The questionnaire is designed to obtain information regarding the financial strengths and weaknesses of each attendee's firm.

As has been CCAIA's policy, the registration fees have been designed to encourage more than one member from a firm to attend. First registrant from a CCAIA member firm must pay \$195; the second, \$125. First registrant from a non-CCAIA firm will be charged \$245; the second, \$175. Full time architecture students may register for \$65. For further information, contact Christine Meyer, Professional Development Director, CCAIA, 1736 Stockton Street, San Francisco, California 94133; (415) 986-0759.

—Christine Meyer

Detach

## REGISTRATION FORM

### Registration Fee:

The pricing plan has been developed to encourage more than one member of a firm to attend. First registration for CCAIA members is \$195 from each firm, the second, \$125. First registration from non-CCAIA members is \$245 from each firm, the second, \$175. Full-time architecture students, \$50.

Firm/School \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone Number (\_\_\_\_) \_\_\_\_\_ Chapter \_\_\_\_\_

1st Registrant \_\_\_\_\_

AIA \_\_\_\_\_ Non-AIA \_\_\_\_\_ Amount \$ \_\_\_\_\_

2nd Registrant \_\_\_\_\_

AIA \_\_\_\_\_ Non-AIA \_\_\_\_\_ Amount \$ \_\_\_\_\_

Total \$ \_\_\_\_\_

After September 8, call CCAIA at (415) 986-0759 for space availability.

Cancellations prior to September 17 will be refunded at 100%. After September 17 refunds will be at 80% of the rate paid. All requests for refunds must be in writing.

Make checks payable and mail with registration form to:

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## HOTEL RESERVATION FORM

The Hotel del Coronado is located on Coronado Island across the bay from San Diego. This historic hotel has been admired as an architectural masterpiece since its opening in 1888. The "Del" has superb meeting and recreational facilities including private white sand beaches, lighted championship tennis courts, private fishing and golf areas. Noted for exquisite Indian summer weather, the hotel is only minutes by freeway from romantic old Mexico.

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# DOLLARS AND SENSE

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