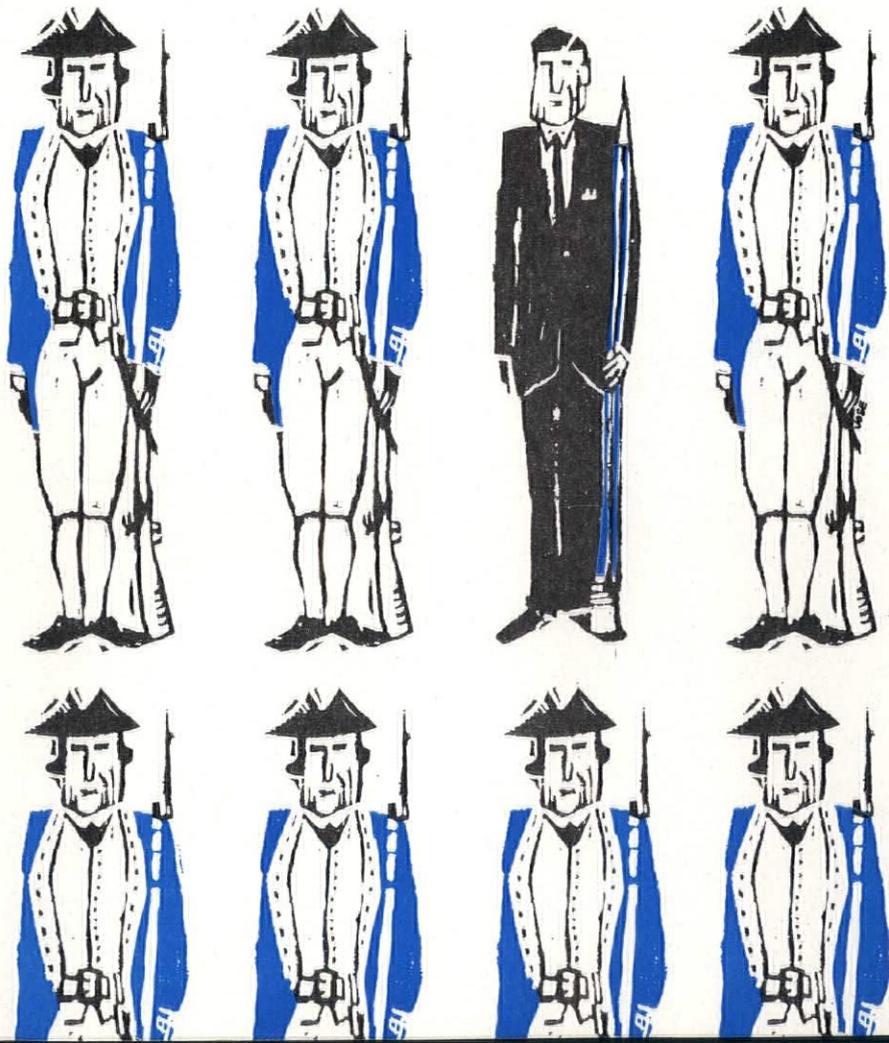


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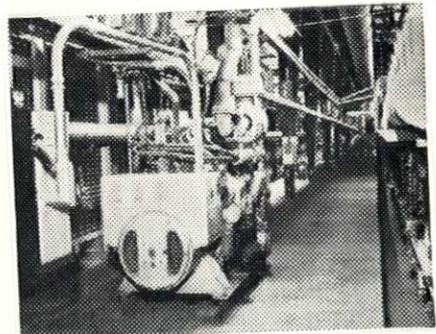
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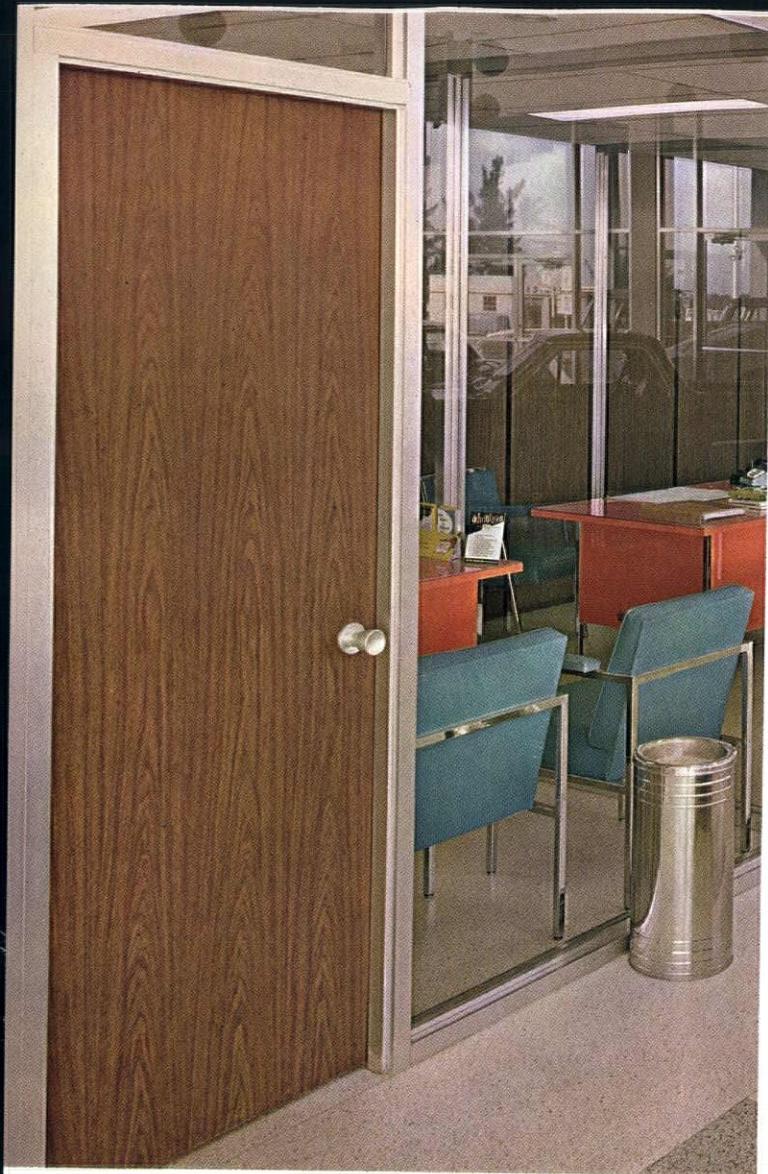
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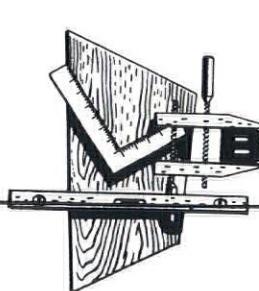
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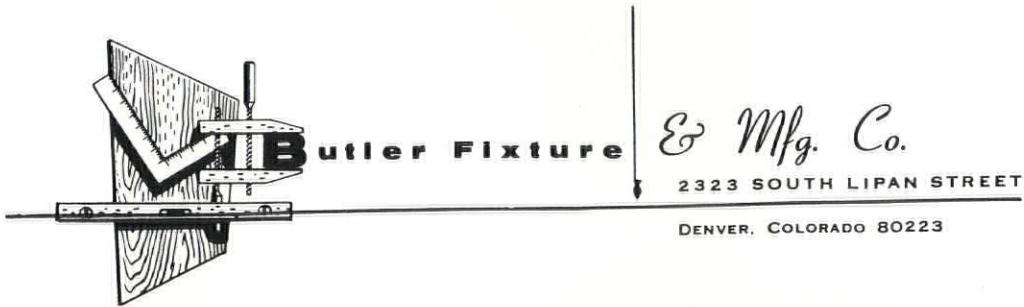
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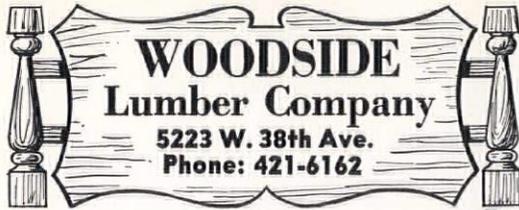
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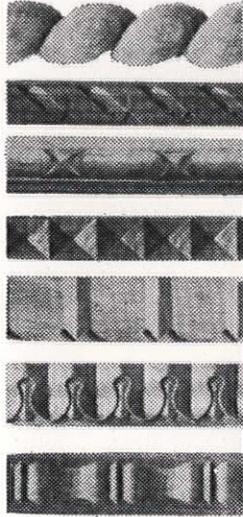
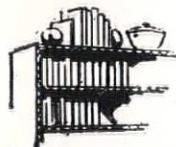
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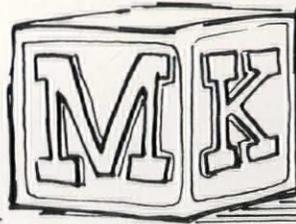
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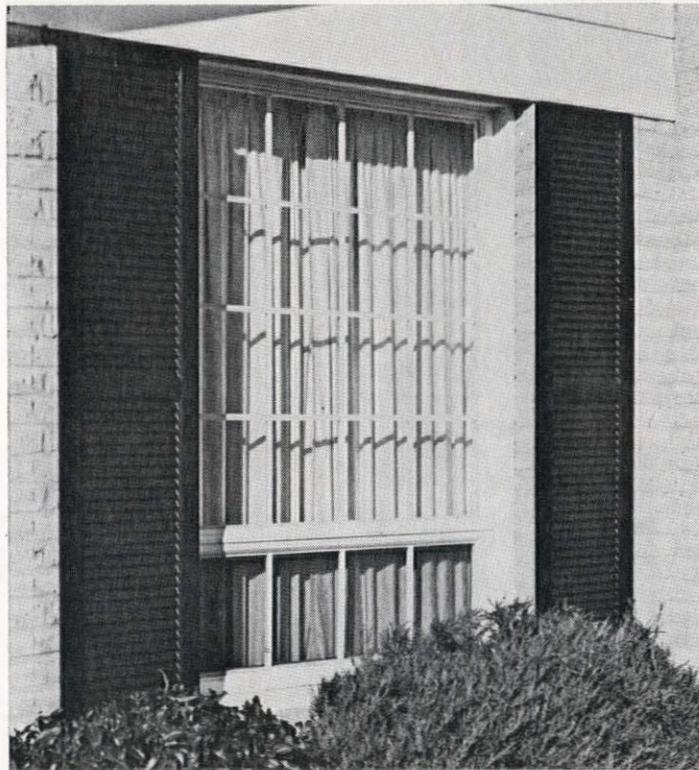


# Building Blocks



**NEW!**

## MAINTENANCE-FREE PAX-SHUTTERS



Plastic based and coated shutters? A new arrival! They look like wood, but can go for a decade or more without painting. They are being introduced to the architectural, home-building and the remodeling market by a Kansas City, Missouri manufacturer.

An engineering plastic resistant to normal temperature extremes and moisture from U.S. Rubber Company's Royalite, provides the new shutters with a tough base material readily molded into the crisp lines of traditional wooden louvered shutters. These shutters are protected by a colored fluoride plastic film which has resisted the effects of sun and weather in tests lasting more than fifteen years. Manufactured by Frank Paxton Company, the new product is marketed under the trade name—PAX-Shutters. Backed by cedar frames, the PAX-Shutter is  $\frac{3}{4}$  inches thick, 15 inches wide, and are available in 11 lengths, ranging from

36 to 81 inches. They are being produced in six standard colors . . . black, white, fern green, sea blue, granite grey and sandstone. The protective fluoride film is applied to the ABS substrate at U.S. Rubber, and the materials are bonded together by heat, pressure and a special adhesive. The Paxton Company, manufacturers of PAX Shutters, heats the laminae so it can be molded and the vacuum forms the shutters on a male mold. The rot-resistant wood backing is applied by a special patent-pending process. The shutters are trimmed and each pair is packaged individually in a polyolefin shrink-film along with color-matched nails. Also available from the manufacturer are exterior-grade putty sticks in matching colors and 1/10-gallon cartridges of neoprene-based plastic for adhesive installations. PAX-Shutters are available in this area at Riebe and Bowman, Inc., 2430 South University Boulevard in Denver. The telephone number (incidentally) is 744-6323.

# *symposia*

**serving the construction public in  
Colorado, Wyoming, New Mexico,  
Utah, Arizona, Nevada**

VOLUME 2

NUMBER 2

JULY, 1967

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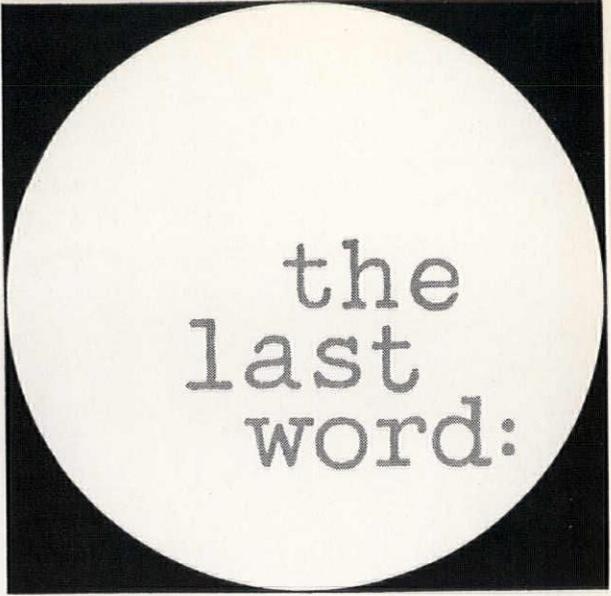
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the  
last  
word:

Symposia proudly announces that the eminent architect, Frederick P. Weaver, FAIA, has joined the Editorial Advisory Board. He will speak for the Central Arizona Chapter (Phoenix).

Planning ahead! The Southeastern Chapter/Colorado AIA is already hard at work projecting the 16th Annual Conference of the Western Mountain Region. The regular dinner-meeting of the Section on June 14 was preceded by a gathering of the Executive Committee. John Anderson, Colorado Chapter President; Barbara Light, Executive Secretary; and Symposia were on hand. Marvin Hatami (Baume, Polivnick, and Hatami, Denver) was the featured speaker of the evening. Symposia would like to publicly acknowledge the wonderful reception we were accorded by the Southeastern Section. The men and women present could not have been more gracious. The 16th is really shaping up--watch your mailbox and Symposia for further details.

We all felt a little safer in June with our own "Danny Defender," Tom Keeton (U.S. Ceramic Tile) manning the bastions on the U.S. East Coast. Tom, by the way, is a "chicken Colonel" in Uncle's Transportation Corps Reserve.

An excellent meeting of the Rocky Mountain Gas Association was held June 20th in Denver. Speakers dealt with the Commercial and industrial uses for Gas . . . presiding was R.M.G.A. President, James S. Stone, Consulting Engineer.

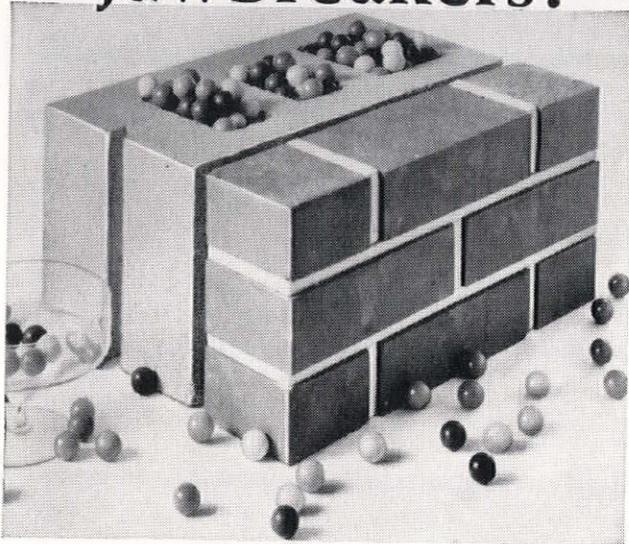
A special Laurel Leaf is being awarded to our Editorial Board Member--Bradley Kidder, FAIA, of Santa Fe. He submitted his usual fine New Mexico coverage right on time, and from a hospital bed, yet! This is certainly "above and beyond," and we know all Mr. K's multitude of friends in the Region join Symposia in wishing him a swift and complete recovery.

Symposia Congratulations are in order . . . Mr. Ed Kingman (President, K.C. Construction Supply Co.) was installed as President-elect of Denver's Chamber of Commerce at their Annual Meeting on May 26th.

Ervin Hahn, formerly with the Crego Block Company of Albuquerque, and Albuquerque C.S.I.'s Technical Director, has moved to Phoenix, and will be employed by the Superlite Block Company there in the capacity of Plant Management.

Don't look for it in the new Uniform System for Construction Specifications, but the Denver/CSI firm of Bachelder/Edwards/Noone and Thoughtless Associates have just added a new Division to the Format. It's 17 --"Professional Therapy"--and served as an invitation to the Annual Recreation Seminar held June 24th. CSI members were promised "phun and ghames," and invited to bring "spouse or other covered dish." It was hoped this year's session would provide the answer to the burning question . . . Does avoiding seltzer bottles come under the heading of "Moisture Protection?" Committee reports, alas, have not been received as Symposia goes to press.

# Use something to insulate cavity and block walls. How about jawbreakers?



Whenever the temperature differs on the inside and outside of these walls (that's all the time), convection occurs in the cavities. The more different the temperature, the bigger the wind in the voids. The wind carries therms from the side where you want them to the side where you don't. These walls are as good as—or better—than other kinds of walls. But like all walls, they need insulation. Without it the occupants are as miserable as the heating and air conditioning bills.

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In The Rocky Mountain Region Contact

**Zonolite Division, W. R. Grace & Co.**  
111 S. Navajo St., Denver, Colo. 80223

Have you written to your Congressman expressing your disapproval of HB 100? If not--do so NOW! This is the same old "common-situs" picketing legislation which would legalize secondary boycotts in the Construction Industry--and it's back with us again this year! There is no issue more vital to your business as this vicious HR 100 Bill. It is urgent to communicate individually with your elected representatives NOW!

---

Charles J. Reich has recently joined the firm of David E. Fleming/Consulting Engineers as Office Engineer. Mr. Reich, a registered professional engineer, is a graduate of the University of Colorado with degrees in Civil Engineering and Business Administration. He makes his home in Boulder. Best wishes to Mr. Reich in his new connection.

---

Jim Barr, who edits the Denver Scope, mouthpiece of Denver's CSI, has a new mailing address. He asks that articles, notices, etc., be sent to his new address . . . 5170 Kalamath street, Denver 80221. Bills may be sent to the old one.

---

June 28th was the date set for the Dinner meeting of the Association for Billboard Control. The meeting was held at the American Legion, 1370 Broadway, in Denver. Topics under discussion were "Esthetics and Legislation" and the "Jefferson County Sign Code."

---

June 20th was designated by Governor Love as "Colorado Value Engineering Day." This coincided with a Value Engineering symposium held that day at the Boettcher Center Auditorium at Denver University. Defense contractors in Colorado, Wyoming and Nebraska attended the meeting held by the Defense Contract Administration Services office.

Sidelight: Olyn Price and Don Teegarden of the architectural firm of James M. Hunter and Associates, Boulder, really hit the jack-pot at the recent CSI National Convention in Miami. By some happy coincidence, both of these gentlemen cashed in on the door prize caper and came away with transistor radios.

---

When Colorado's Gene Waggoner (Immediate National Past President/Consulting Engineers Council of the U.S.) accepted the "President's E Certificate and Pennant for Export Service at the National CEC Convention in Washington, D.C.--he remarked, "The only problem I see now is where to fly the flag." That question has been answered--it will be raised for the first time in July at the President's Party at the BroAdmoor in Colorado Springs. A great day for CEC/Colorado.

---

Vetoed: On June 19--by the Governor of Colorado, John Love--H.B. 1397 (See June Symposia). The Governor gave as his reason for vetoing the anti-indemnification measure that he didn't feel public policy was involved in the contract agreement, and it should be done privately.

---

## CSI PLANS FOR TWELFTH ANNUAL

During the week of June 18th, two national staff members from the Construction Specifications Institute in Washington, D.C., were in Denver to confer with the Local Chapter. Case in point: the Twelfth Annual Convention of the CSI which will be held in Denver next May. Since an attendance of plus 1,500 registrants is projected, the planning must be done early and efficiently.

Visitors were John W. Atherton who is the Director of Services, and Mr. Joseph A. Gascoigne, Executive Director from the National CSI Staff. Conferring with these gentlemen from the Denver CSI Team--Convention Chairman (Host Chapter): Maxwell Saul; his Vice-Chairman (does this mean he's in charge of vice?), James Noone; Arthur Bush, President of the Denver Chapter; E. F. "Diz" Dillon and John McGuire. Since Symposia was privileged to be present at these "Forecast" sessions, we feel we can predict a memorable Twelfth Annual for the men who write the specifications for America's Buildings.

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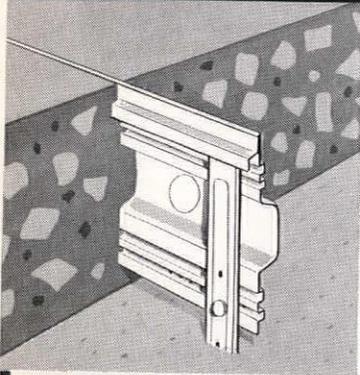
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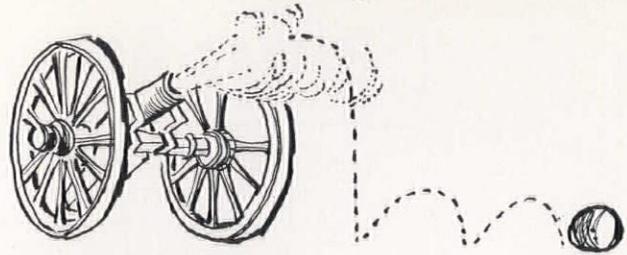
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## a symposia salute



TO:  
George W. Poulsen, Jr.  
1967 Past President's Award  
Consulting Engineers Council

We are proud to fire Symposia's July Salute to George Poulsen of Salt Lake City—not only because of the 1967 Past President's Award of the United States/CEC, but because he is, indeed, a remarkable gentleman.

Mr. Poulsen's selection was made by Past CEC Presidents who annually honor the member deemed worthy of special recognition for services rendered to the Consulting Engineers Council and the profession. He was chairman of the National Documents Committee from 1958 to 1962, and has been responsible for the preparation of many of the engineering documents in current use by engineers across the country. He is a former Vice-President and Treasurer of the CEC/USA, and served as a member of the National Board of Directors from 1955-1962.

In 1963, George Poulsen closed his engineering office in Salt Lake, and with his family, went to Hawaii where for three years he served as President of the Hawaii Mission of the Church of Jesus Christ of Latter-day Saints. During this period of service to his Church, Mr. Poulsen was the only consulting engineer in America ever to retain membership in CEC while not being in active practice.

The Poulsen's have four daughters who enjoyed immensely their three years in Hawaii, and welcome their Island friends with open arms when they visit in Salt Lake. The Poulsen girls come all sizes . . . Lou Ellen, a junior at the University of Utah; Lana Rae, a senior at Highland High; Rosalie, an 8th grader at Clayton Junior High, and Sharon, who is a 5th grader at Curtis Elementary . . . (and that makes for a lot of PTA meetings).

Mr. Poulsen describes his outside interests in this way . . .

1. Our family of four girls
  2. People . . . especially the people of Hawaii, and Engineers from anywhere.
  3. Tennis . . . to work off the frustrations that regularly, though hopefully infrequently, come to every consulting engineer. When my daughters beat me consistently at tennis (which isn't yet), I'll probably turn to golf.
- His "outside" interests suggest the man—warm, out-going, and devoted to not only his family, his Church and his profession—but to people everywhere.

In addition to his membership in the Consulting Engineers Council, Mr. Poulsen is a member of the American Society of Civil Engineers and the Utah Engineering Council. So . . . our congratulations to George W. Poulsen, Jr. on his CEC Past President's Award. The entire architecture/construction community is better because of men like Mr. Poulsen.

## Batter Boards and Barriers

### *Call in a Specialist When Necessary*

An architect was retained to design a college dormitory. The building was to be a four-story reinforced concrete structure.

The architect retained a testing laboratory of excellent repute to make soil tests. The testing laboratory took core borings and the results were furnished to the architect. The structural design, including the plans for the foundations, were prepared by a structural engineer who was an employee of the architectural firm. The engineer was not experienced in reading and analyzing soil test reports.

As the fourth floor of the building was being poured, the contractor's superintendent observed that a portion of the building had settled approximately three-eighths of an inch in one day. When this rapid settlement was discovered, all work on the project was stopped.

Investigation indicated that the original soil tests were correct but that the architect's employee had not correctly interpreted the test results. The consequence was that the foundation design was not adequate for the soil conditions at the job site; the caissons were not deep enough to reach solid rock foundation. The recommended solution was to grout the caissons at a cost of approximately \$35,000.00. This remedial work was successfully carried out, but the architect was required to bear its cost since the error had been made by his staff.

#### *Points to Note:*

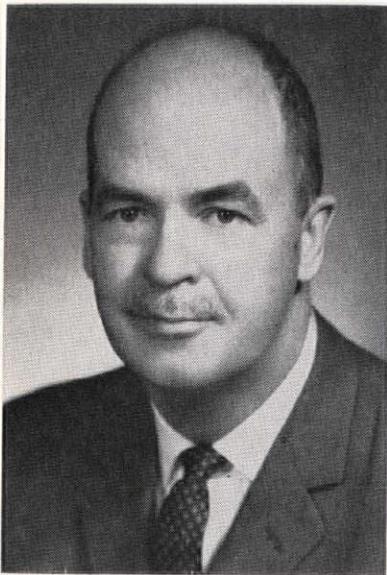
Architects should make certain that the results of tests or studies of a specialized nature are analyzed or interpreted by personnel experienced and knowledgeable in the particular field involved.

*This information on professional liabilities is offered with the suggestion that architects review their practices and procedures.*

*Prepared by:  
Victor O. Shinnerer and  
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Washington, D.C.*

*Under the auspices of:  
The American Institute of  
Architects  
Committee on  
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# elevation



Fletcher B. Trunk, President  
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This month, we are just a year short of the bi-centennial of the "New World Dream." Even a mildly inquiring American must wonder occasionally what our Founding Fathers would think if by some Einsteinian manipulation of time they were returned to the Republic they forged that hot July in Philadelphia. The men, sweating under their wigs, and slapping at the eager flies on their stockinged legs, would indeed be astonished at our technological progress—the enormous power and the vast wealth of "things" which have been created, accumulated and worshipped by their countrymen.

But—what would red-headed Tom Jefferson, architect and creator of Monticello, think, we wonder, of the sprawling mediocrity of America's "Levitt-Towns"? How would he regard the be-haired and be-whiskered "hippies" marching with their placards on our campuses . . . this man who founded the University of Virginia. Ben Franklin, the sage "Bonhomme Richard" would elevate his eyebrows above his bifocals at steak knives and Green Stamps as premiums for "the penny saved." General Washington, remembering the bleeding feet and the rumbling bellies at Valley Forge might be less than sympathetic with Americans who burn their draft cards. And not one of them—not Jefferson running a State Department with two clerks or John Adams, whose wife hung her wash in East Room, could fathom our intricate bureaucracy and the towering budget deficits of the modern Democratic State.

Of course, Patrick Henry could say again—with as much fire—"The gentlemen cry peace . . . but there is no peace!" And Alexander Hamilton, after a look at Watts or an evening of television, could look to his arch-enemy Mr. Jefferson, and say . . . once more with feeling . . . "Your people, sir, is a great beast!"

We have failed those farmers and storekeepers and lawyers . . . the small men with the big minds who signed that Declaration almost two hundred years ago. Already . . . we are naming the next ten years the "Decade of Decision."

Our task is before us . . . the creation of America, the Beautiful—with our alabaster cities undimmed by human tears.

# SYMPOSIA

## engineering study III

(Sixteen engineering achievements of United States Consulting Engineers in 1966 were selected as finalists in the 1967 Engineering Excellence Awards competition of the Consulting Engineers Council of the United States. The achievements are reflected in the cross section of projects and innovations designed by engineers in private practice. Civil, structural, sanitary, electrical, mechanical and industrial engineering disciplines are represented. Three of these nominated projects from the Symposia region received Superior Ratings in the competition. We are extremely proud and pleased to present these projects in the Symposia Engineering Study Series.)

### *the harvard gulch flood project*

by **Kenneth R. Wright**  
**Wright-McLaughlin Engineers**  
**Denver, Colorado**

The construction of a flood channel in southeast Denver for the old storm runoff trouble maker, Harvard Gulch, is just about complete.

The flood works were planned with an eye at all times towards environmental design considerations. The engineers aimed for a result which would tie the neighborhoods together, rather than cutting them as a fenced channel could so easily do. This concept dictated a wide grassed channel rather than a concrete lined ditch in most reaches. Consulting engineers for the project are Wright-McLaughlin Engineers of Denver. The firm planned and designed the \$2,300,000 flood works, which included 21 bridges, 4,700 feet of underground concrete box culvert, one-half mile of concrete channel, and two miles of wide grassed channel. The job also included sewer line relocations and underdrain pipes. McWilliams Park was incorporated into the planning without changing the park layout.

Prior to design work, we discussed the overall planning with AIA representatives and Landscape Architect Gerald F. Kessler in order to sound them out on basic planning revolving around park and green belt approaches. The cooperation was helpful in the design stage.

The flood channel has created a green belt for southeast Denver where floodways are being used as parks, and children have ample room for kite flying and other open air games.

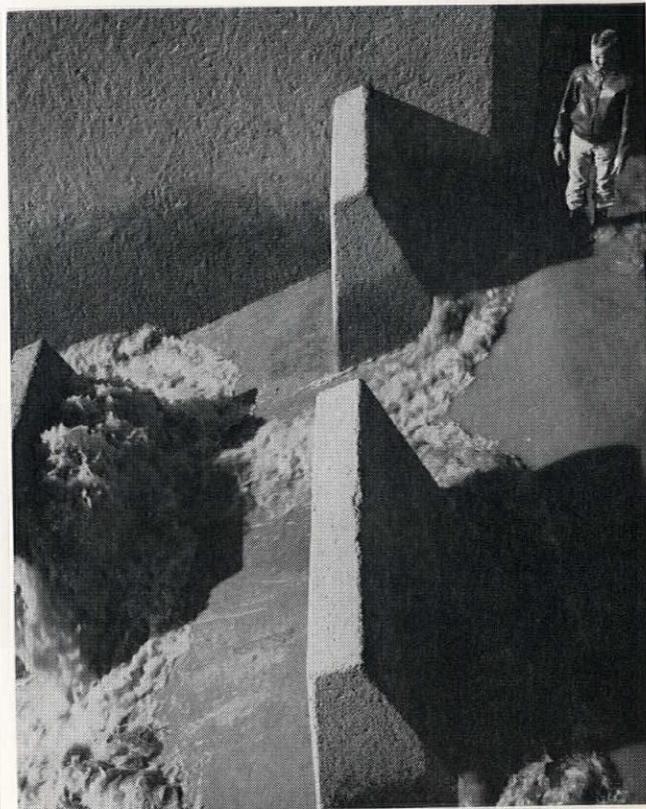
As one Denver old-timer put it, "The flood project has tied our neighborhood together rather than cutting it in two, as we thought a flood channel would. The green belt floodway has large concrete structures topped off with redwood fences where the children can safely play."

A month before completion of the project, Denver received the largest 24-hour rainfall in 16 years. The new floodworks performed "beautifully," according to Manager of Public Works, William McNichols.

Work was started on the planning while the contract was still being negotiated. The flood channel had to be built through densely populated portions of the city where homes, highways, and two mainline railroad tracks had obliterated the old gulch. Lack of right-of-way was a major problem to overcome.

Hydrological studies went forward, using techniques developed for sizing of spillways for major dams. This was necessary to determine how much water the project had to handle to safeguard the homes, businesses, and schools along the channel.

Planning of the project led to a basic plan of putting the downstream mile of the channel underground, the next one-half mile in a broad, wide grassed depression which



Control of flood water, at last! During Denver's wettest late May and June in over seven decades—Harvard Gulch did the job! Residents in the area are highly pleased with the "proof of the pudding."

would double as a park area, and the remaining two miles in an alternating high velocity concrete channel and shallow grassed floodway. All grassed channel was to have underground pipe to carry the low flows.

The design work was commenced on a priority basis so that the downstream portion could be constructed first while the remainder was being designed. Close cooperation with the City design staff got the first phase ready for bidding quickly. Alternate designs for concrete box culvert and precast concrete pipe resulted in maximum economy. The 14x9 foot box culvert bid prices from contractors came in some \$150,000 less than the 12-foot diameter pipe.

Complex hydraulic requirements on the inlet structure for the box culvert pointed towards the need for a model study to define the hydraulic dimensions of the inlet. The inlet had to accelerate the water from very slow flow to supercritical velocities of 23 feet per second, and yet limit the total flow into the box so that it would never quite flow completely full, and thus never under any pressure. The model was built and tested through wide ranges of operation. The test results permitted safe design with large economies realized in the construction.

Upstream from the box culvert, elevation changes and velocity requirements necessitated a stilling basin, a baffle chute to keep water from increasing in velocity at one place, and another chute to purposely speed it up in another.

While all design criteria were aimed at hydraulic ade-

quacy and safety, the engineers stressed esthetic considerations just as highly. Structures pleasing to the eye and compatible with the neighborhoods were planned in detail. Use of natural rock, bush-hammered concrete, redwood fences, and 21 specially designed slim profile bridges were proud.

The always necessary, but troublesome, trash racks were designed to collapse in case of plugging. This choice was based on the premise that personal or individual safety must be waived if a plug-up might send flood water cascading through a neighborhood after backing up in the channel.

In addition to the planning and design aspects of the consultant's work, we planned the scheduling of the construction work so as not to create undue hazard should a storm occur prior to completion. Rerouting of the two main line railroad tracks, while costly, was accomplished without train service interruption.

The resulting project will provide a three and one-half mile floodway, channel, and underground conduit to safeguard the Harvard Gulch area of southeast Denver from future flooding. The job, constructed within the \$2,300,000 budget, will cause increased property valuations in the area as people feel they can safely improve their properties. The park-like lands will provide play areas for neighborhood children. Last, but not least, recording rain gages and flood gages will provide future designers with much needed data on storm runoff from urban areas.



*Park-like Harvard Gulch Flood Control Project is a delight to the eye—a boon to neighborhood children.*

# Denver's Producers' Council Looks Both Ways!

Denver's Producers' Council looked back over a year of achievement as they gathered for their Annual Meeting, June 5, at the Hyatt House in the Mile High. Prominently displayed at the Head table — Denver's National Awards . . . four Silver Bells and the Silver Bowl.



On looking back over their banner year, the men of P.C. took time to salute their Past Presidents. Present at the meeting to receive their Past President's Pins were: Andrew Roebke, 1948-49 (Public Service Company); Worth Rees, 1956-57 (Brick, Inc.); C. H. Johnson, 1958-59 (Johnson Hardware); Tom Nelson, 1959-60 (Pittsburgh Plate Glass Industries); Carl Edwards, 1962-63 (Armstrong Cork Company); Hank Bollman, 1963-64 (Brick, Inc.); and Thomas W. Keeton, Jr., 1965-66 (U. S. Ceramic Tile Company). Also honored but unable to be present were Harold Dahl, 1955-56 (Builders Service Bureau); Charles Johnson, 1960-61 (U. S. Plywood Company); Don Mains, 1961-62 (Libby-Owens-Ford Company) and Don Wakefield, 1964-65 (Structural Clay Products Institute).

In the past, committee chairmen have presented verbal reports at this Annual meeting, however, this year, written reports were sent to members, leaving the meeting itself open for the election of new officers and new business. It also enables members to have a report at hand in their P.C. files.

A brief review of this report to the membership, lists three important contacts with the National P.C. President Robert Sandoval attended the President's Round Table in New York in September, 1966. (This is better known as the "Silver Bowl meeting" . . . when the Denver Chapter was awarded, for the third straight year, and permanent possession, the Silver Bowl for outstanding Chapter activities.) Vice President Roland Proett attended the Vice Presidents' Conference in Monterey, California, last August, and in March 1967, the Producers' Council sponsored the Architectural Sales Representatives Institute at the University

of Colorado in Boulder. Forty-three salesmen attended this outstanding training Institute, and the National P.C. was able to present a check for \$1,000 to the Architectural School of the University for their fine cooperation in this endeavor.

Six Product Informational Meetings were held during the year with 1,137 architects, engineers and other specifiers present. Table-top displays were held at four meetings with 525 present. The Satellite Program moved ahead with periodic visits to other cities in the area where 359 interested people were in attendance. As always, the Producers' Council made specific efforts to reach students at universities in the area, and the CSI/PC Round Table meeting was especially outstanding this year (See June/Symposia). The year 1966-67 could certainly be termed a social success. P.C. members served as bus commanders at the National AIA Convention in Denver, sponsored a golf party, a winter dinner-dance and participated in the AIA Awards Banquet.

Developed during the year, and making its debut with the June meeting was the Denver PC News, a new publication which headlines PC activities for architects, engineers and decision makers. Cheered Jim Barr (CSI-Scope Editor), "We're delighted to have another publication to plagiarize!"

Officers for this past year have been: President, Robert (Sandy) Sandoval (Robinson Brick and Tile); First Vice President, Roland Proett (Structural Clay Products Institute); Second Vice President, Jim Shaner (Johns-Manville Corporation); Secretary, B. A. Wyatt (Pittsburgh Plate Glass Industries), and Treasurer, Bill Dingler (Zonolite Division-W. R. Grace Company). Certainly, these officers and the members of Denver's Chapter of the Producer's Council are to be accorded Symposia congratulations on another fine year of service to the entire architecture/construction community.

## LOOKING AHEAD

Officers for the 1967-68 year ahead for Producers' Council are Roland Proett, President; B. A. Wyatt, First Vice-President; Tom Bowman, Second Vice-President; Bill Dingler, Secretary and Jim Shaner, Treasurer.

President Proett has already laid down the guide-lines for his term of office. Goals for Denver's PC are: To substantially enlarge the image of Producers' Council; to develop fuller participation by chapter members in the programs; to expose all the architecture/construction community to the products of P.C. members and to create an atmosphere of close cooperation between all chapter members.

It goes without saying that Symposia wishes the PC Ship of State a successful journey as they embark on the new year! Bon Voyage!

# AIA 99th National Convention



## a summary

The 99th Annual Convention of the American Institute of Architects was held May 14-19 at the Hilton Hotel in New York City. Registration totaled 4,627—largest in the Institute's history. Theme for the Convention, "The New Architect," was explored by five outstanding speakers, and subjected to the close scrutiny of the architects themselves in the Seminars which followed each speaker's delineation of his topic.

Keynote speaker was Dr. Marshall McLuhan, director of the Center for Culture and Technology at the University of Toronto, Canada. Dr. McLuhan in the third annual Purves Memorial Lecture stated that electronic communication is forcing the Western world to separate itself from a "2500-year devotion to visual space" and rediscovery of "the characteristics of the spaces generated by the other senses. The instant movement of information which takes place by electronic means, explained the philosopher, "creates a configuration of space-time in which no point of view is possible, and no single plane perceptible. . . . All at oneness abolishes uniformity and continuity, and it also demands that the environment will be considered as an art form."

The author of the controversial book "Understanding Media" expressed concern for "Our children born into a total electric environment of information only to find themselves inserted into a very different kind of environment at school. The new need is to direct the educational enterprise toward discovery rather than instruction." Declared Dr. McLuhan, "A child of the electronic age, looking around him at the job-holders, cannot help but feel that they are pathetic holdovers from some other age."

In posing the question, "Is the whole world becoming a happening?" the social historian defined a "happening" as a "programmed art form." He said: "In the age of electronic information, the service industries take over the total human environment as their responsibility . . . everything from government and education to entertainment networks are involved in creating "happenings," as it were, or in transforming the environment into a work of art. Town planners report that during the past thirty years more space has been enclosed architecturally than in the preceding six thousand years. The next thirty years will see a great escalation in this process. In other words, without even looking beyond architecture it is possible to see the world as a 'Happening' today."

*First Theme Seminar, May 15, 1967  
Education and the Future of the Profession.*

*Speaker: Dr. Harold Taylor, Author and Vice-Chairman of the National Committee for Support of the Public Schools. Former president of Sarah Lawrence College.*

Dr. Taylor said the general public's inability to judge what is good or bad in its environment is largely the fault of the present educational system. "The problem," he said, "consists in developing the sensibility of the young, and of everyone not young, toward visual experience—teaching people how to see."

"The hidden secret of American education is the fact that the creative arts, including design and architecture, when placed in a central position in the life of the school or college, have an enlivening effect on the entire environment. . . . This means, of course, an educational revolution." He stated that "if we are raising a population of visual illiterates, we are also raising a population of children who are for the most part deprived of esthetic experience by the circumstances of their education." He said, "Teachers, by and large, have not had direct experience with art forms and

as a result, the taste of teachers in the field of the arts, visual and otherwise, is about that of the rest of the population. . . . In the absence of such resources in the schools, the public is the victim of the taste of the manipulators of the mass media and the standards of a mass culture."

Dr. Taylor urged the introduction of art subjects into the school curriculum as full-fledged subjects . . . "in equal status to the respectable 'hard' subjects, we will be preparing people to pay attention to the ugliness or beauty of what surrounds them. We would be well advised to teach children to look at the cities, towns and villages in which they live as examples of what man has done to his environment, and to include that form of direct experience among the items in the school syllabus."

"At his best," the noted author and educator declared, "the architect is a delicately balanced combination of artist, engineer, humanist, educator and planner, a man in love with shapes, colors, forms, structures, nature and mankind, for whom he creates generously a new environment." Architectural education, he suggested, must make adequate provision for "the social imagination, the visual imagination, the concern for human shelter and the human condition, the social problems raised by the clash of technology, politics and economics." *Second Theme Seminar, May 16, 1967 Practice*

*Speaker: Charles Luckman, FAIA, President of Charles Luckman, Associates, Los Angeles, one of the largest architectural firms in the world.*

In his address Luckman said that architects have a responsibility to furnish clients with accurate cost estimates and to adhere to budgets. "It is easy to be creative without a budget; it is infinitely more difficult, but equally rewarding, to be creative within the budget." The results of "creative cost control" can be "better design, better planning, more efficient professional services and more satisfied clients."

At the same time, Luckman suggested that architects give more thought "to the making of a better living for themselves and their families."

He quoted with approval the statement of a former president of AIA who said that money and the power to exert influence go together in our society. Luckman said that architecture has a "fantastic future" because:

By 1985 more than half of our people will live in cities not yet built; By the year 2000 the population of the U.S. will be 350 million.

By the middle of the 21st century, some of our present cities will be 100 times as large as they are now. By the middle of the 21st century, there will be a 20-hour work week, and this trend toward more leisure time will be "the single most influential factor in our lives."

Luckman declared architects must develop a "cooperative meshing of the multifaceted talents" of the building team, and thereby prove their right to lead it, and that the profession must integrate "design" into architecture. "Design," Luckman said, "is a field in which a man may wander and gather as many nose-gays of ideas as his fancy dictates. Architecture is the field in which the concept must be transplanted into reality."

*Third Theme Seminar, May 17, 1967 Design*

*Speaker: The Honorable John V. Lindsay, Mayor of the City of New York.* New York's enterprising young Mayor addressed the Third Seminar Session of the National A.I.A. Convention devoted to "Design" with Manhattan used as a case study. He headed a Panel which included August Hecksher, NYC Parks Commissioner; Eugene Hult, Commissioner of Public Works; Jason R. Nathan, who heads New York's Housing and Development Administration; Contractor Richard Ravich, HRH Construction Company, and Philip Johnson, FAIA.

The Mayor announced the creation of an Urban Design Group within the City Planning Commission to assess the design implications of New York's development plans "to advance the cause of esthetics in every area the Planning Commission can influence—from street signs to skyscrapers." This group was recommended by the Mayor's Task Force on Design which is headed by William S. Paley, and includes architects I. M. Pei, FAIA, and Philip Johnson, FAIA. The Mayor said members of the Urban Design Group would work side by side with city planners to "develop urban design plans and advise on specific proposals pending before the Planning Commission." The "five talented young architects and planners" who will head up the new group include: Jaquelin Robertson, Giovanni Pisanella and Richard Weinstein of the architectural faculty of Columbia University, Myles Weintraub of the Pratt Institute and Jonathan Barnett, former associate editor of *Architectural Record*.

The Mayor said that at the outset of his term in office he had made clear that "New York henceforth would tolerate only the best in civic architecture."

"We are trying to ensure that architects who design our buildings will not be constrained by fixed images produced by prior assumptions and inflexible rules," he said. The Mayor announced that New York's "previously skimpy schedule of architects' fees" was being raised and that the city "is responding more quickly to the submissions of our architects."

Jason R. Nathan, Administrator of New York's Housing and Development Administration, followed the Mayor by revealing that the City's Housing and Redevelopment Board has approved an increase in basic architectural fees for middle-income housing averaging 30 percent.

Nathan said that "a quality fee is a step toward a quality product."

Contractor Richard Ravitch told the session that New York City "desperately needs" a new building code geared to performance standards. He also urged a new look at "antiquated union practices that add cost without any accompanying benefit" in building construction.

"It is about time," Ravitch said, "the construction industry itself took a long, hard look at its own inability to speak with a single voice . . . so that we may sit down with labor at the negotiating table as a truly independent and equal partner."

*Fourth Theme Seminar, May 18, 1967 Technology*

*Speaker: Arthur C. Clarke, Astronomer, inventor and writer of science fiction.*

America's architects were given a glimpse of the future as seen by Mr. Clarke in the last of the four seminars at the National Convention in New York City. He said he was forecasting "a selection of assorted futures" which 20th Century technology would make possible.

Agriculture, a highly inefficient process, will be replaced by the industrial manufacture of food which would free land for other uses.

Advanced transportation will make it possible for persons to live anywhere and work anywhere. This new freedom will accelerate the disintegration of cities. "They will continue to grow," Clarke stated, "like dinosaurs, and for much the same reason, but they will become extinct. Homes will be "self contained," and towns can be easily moved, which will open up the areas of the earth now vacant.

Clarke predicted "thinking machines," and "global TV" which will bring about a universal language . . . probably English.

He said man is a "carnivorous predator" who needs new hunting grounds,

and that we have them in space and the sea. The sea will be exploited first, Clarke said, to produce food and water. He suggested the possibility of "whale herding," with "killer whales used as sheep dogs," to produce food. The use of sea water to irrigate some crops is feasible.

Space is a "benign environment," Clarke declared, and by the end of the century space colonies, first on the moon and later on Mars, will be under development.

These forecasts are modest, and, said Clarke, some "far-out" ideas for the distant future include:

The possibility that space mirrors can be used to "abolish night" by reflecting the sun's ray.

The possibility that "synchronous skyscrapers" 22,000 miles high can be built.

The possibility that an "astronomical architecture" will be developed which will enable man to enclose the sun to conserve its energy.

#### **New Officers and Directors**

Robert L. Durham, FAIA, of Seattle, Washington, succeeds Charles M. Nes, Jr., of Baltimore as president of the American Institute of Architects. He assumed his new office at the close of the 99th A.I.A. National Convention. George E. Kassabaum, FAIA, of St. Louis, Missouri, was elected vice-president and president-elect.

Three vice presidents elected for the following year are: Robert F. Hastings, FAIA, of Detroit; Samuel E. Homsey, FAIA, of Wilmington, Delaware, and Harold Spitznagel, FAIA, of Sioux Falls, South Dakota.

Dean F. Hilfinger, FAIA, of Bloomington, Illinois, was elected to a two-year term as Institute Treasurer. Rex Whitaker Allen, FAIA, of San Francisco, California, continues his two-year term as secretary.

Six new regional directors were unanimously elected to the national board. The new directors and the regions they represent are: Philip W. Bourne, FAIA, of Boston, the New England Region (Connecticut, Massachusetts, New Hampshire, Rhode Island, Vermont); Joseph H. Flad, AIA, of Madison, Wisconsin, the North Central States Region (Minnesota, North Dakota, Wisconsin); Sidney W. Little, FAIA, of Tucson, Arizona, the Western Mountain Region (Arizona, Colorado, Nevada, New Mexico, Utah, Wyoming).

Also, A. Bailey Ryan, AIA, of Louisville, Kentucky, the East Central States Region (Indiana, Kentucky); Joseph Tuchman, AIA, of Akron, Ohio, the Ohio Region, and Max O.

Urbahn, FAIA, of New York City, the New York Region. Directors' terms are for three years and 12 members of the 18-man Board were not up for election.

For the past year, Durham has served as first vice-president of the Institute and as its liaison officer with several affiliated organizations.

He is senior partner in the Seattle firm of Durham, Anderson and Freed, an office formed in 1954. Named a Fellow of the AIA for design and service to the Institute, Durham has won numerous design awards from the Washington State Chapter, AIA, and the Guild for Religious Architecture. Durham was chairman of the AIA Honor Awards Jury in 1963, and he headed the task force which conceived the Institute's "War on Community Ugliness," serving as its first coordinator in 1964 and 1965. He also represented the Institute's Northwest Region for three years on the National Board.

In accepting the presidency of the 19,000-member professional organization for the next year, Durham said he hopes to extend the professional knowledge and experience gained on the national level by the Institute to the local chapter level, to the individual architectural office, and ultimately

to every member of the public who will benefit through better building processes, better materials, and improved environmental design.

#### Honors and Awards

The 1967 AIA Gold Medal was presented to New York architect, Wallace K. Harrison, cited for "the highest order of architectural statesmanship." Among Mr. Harrison's noted projects are Rockefeller Center (with three other firms), the United Nations building (as director of planning), and the new Metropolitan Opera House at Lincoln Center. The Gold Medal Citation reads, in part: "He has led a team in producing significant architectural works of high quality over a period of more than thirty years. He has worked with the concept of urbanism, creating architecture as part of the fabric of the city, with great dedication and loyalty to the best interest of his own city, New York."

Harrison joins a select group of only 32 architects from every part of the world who have received the Gold Medal since it was instituted in 1907. Eighty-two fellows were received into the Institute's College of Fellows at the Annual Awards Banquet on the evening of May 18th; honored from the Western Mountain Region . . . Mr.

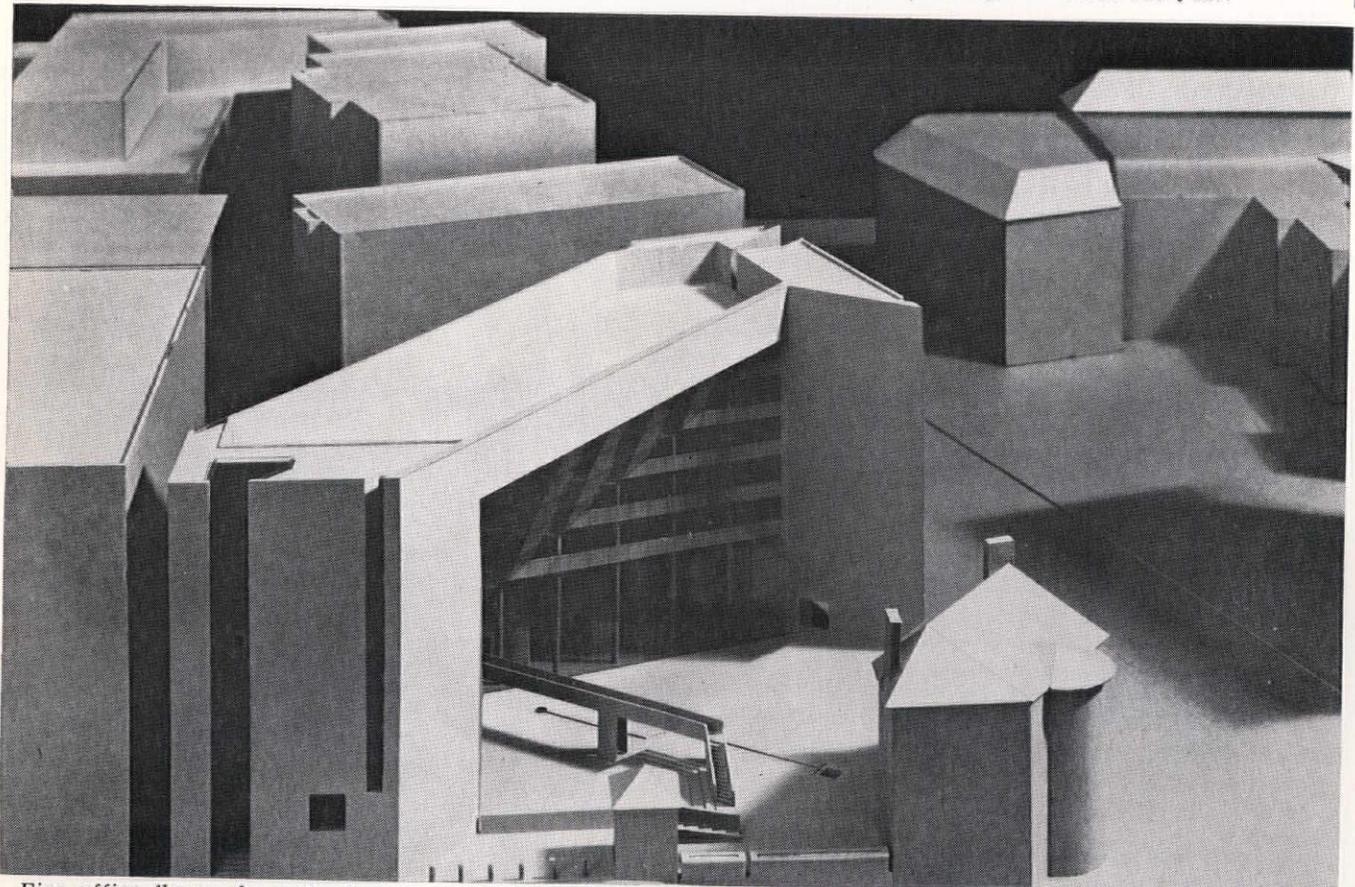
Max Flatow, FAIA, of Albuquerque, New Mexico. (See June/Symposia Salute.)

The Honor Awards Committee headed by immediate Past Regional Director for the Mountain Region, James Hunter, presented design awards to twenty architectural firms for projects ranging from a small church to a multi-unit apartment complex.

#### A.I.A. National Headquarters

Final approval was given by the AIA for sale of the historic "Octagon House" to the American Institute of Architects Foundation which will restore and maintain this historic structure in perpetuity as a public monument.

Unveiled at the 99th Annual Convention was the new design for the AIA Headquarters Building to be erected on a part of the Octagon House property and the adjacent Lemon Building property which was acquired last year by the Institute. Winners of the original design competition Mitchell/Giurgola Associates presented AIA members with a revised building design which provides in excess of 130,000 square feet. The original design called for approximately 70,000 square feet. Construction is expected to begin in about one year.



Five office floors above the two-story exhibit area at ground level are progressively stepped forward in the new AIA headquarters building design. Architects Mitchell/Giurgola Associates say that this "makes the space of the Octagon garden, develops the maximum area for the garden, and shields each floor from the direct rays of the sun to the Southwest."

Very much in evidence at the National Convention was Governor and Mrs. Nelson Rockefeller of New York. The Governor seems to take a great interest in the architectural profession. He made a very gracious welcoming speech, and was also present at the Award Banquet where he spoke, in glowing terms, of Gold Medal Winner, Wallace Harrison.

I was equally impressed with the interest evinced by New York Mayor, John V. Lindsay . . . one part of his speech which I especially enjoyed was—"I have come to understand, in this office, that a strong kinship unites our two professions, we share anonymity in success, notoriety in failure. When a building is handsome and functional, people will admire the building. But, if it is controversial, or structurally deficient, they will blame the architect. Correspondingly, if all goes well in New York, assuming that a day of that description ever dawns, everyone tends to take it for granted. But, when there is a subway strike, a water shortage, or an equivalent civil calamity, people are quick to demand answers from City Hall."

**Social Squib:** The evening at Lincoln

Center with the Royal Ballet was too elegant for words. We all toasted the passage of Denver's Skyline Project at the champagne reception following the ballet.

In a crowd of over 5,000, it was a job just keeping up with one another in the Colorado Chapter. But the 99th is one we will all remember for a long time to come.

In addition to attending the National Convention, I was privileged to visit the Octagon in Washington, D. C. After this personal visit, I cannot emphasize enough the necessity of having a suitable headquarters in the Nation's Capitol. The AIA staff was very gracious and to say they are crowded is an understatement. I assured National, I would relate my findings to the local Chapter to encourage further contributions to the Octagon Fund Drive. My tour of the historic Octagon House itself was fascinating . . . but the keyholes are so large . . . the wind literally whistles. All in all, it was a wonderful opportunity which I hope will help me in serving the Colorado Chapter and the Mountain Region more fully in the months and years ahead.

## Bits from Barbara



(A few Convention Highlights . . . from Barbara Light, Executive Secretary( AIA/Colorado Chapter.)

*(We are happy to bring Symposia readers a slightly more intimate view of the Eleventh Annual. Editorial Board Member, R. James Noone, Immediate Past President of the Denver Chapter/CSI, and a partner in the architectural firm of De Nicolo and Noone, was on hand. In his usual penetrating and lucid prose . . . he presents . . .)*  
By R. James Noone/CSI

The theme, purpose and goal of the National CSI convention in Miami Beach last May was "An Evaluation" . . . and we certainly did!

The Denver Chapter contingent evaluated everything in sight. We evaluated the climate of the area and found it quite pleasant; we evaluated the hotel atmosphere and found it; we evaluated the native cuisine and imported beverages and found that the Miami Beach area is not one of our nation's "Poverty Pockets"; we evaluated Hialeah Park and found soy beans on the race track; we evaluated the host chapter's responsibilities and found the traditional panic-whistle.

Convention activities for the delegates included participation in some fifteen workshop sessions covering CSI activities. The progress made by some chapters in the fields of technical programs, local influence, education, legislative activity, newsletters, etc., was described for all those in attendance. The exchange of ideas certainly will benefit all chapters.

Items of national concern included an analysis of the Engineers' role in CSI; the Law and CSI; and Chapter Administration. These discussions helped identify the broad and strategic questions affecting the entire industry. References were made to the CEC, AIA and PC to show that

## MOODS OVER MIAMI

none of us stands alone.

The ladies in attendance had a busy schedule of activities planned for them. It included orchid corsages; a boat trip (complete with a minor mutiny); luncheons and free time for sightseeing.

Outgoing National CSI President Henry Baume, FCSI, AIA (from Denver) gave us an excellent farewell address with his customary skill, wit and competence. New CSI President John Anderson, FCSI, AIA (from Minneapolis) accepted the new office by outlining the intermediate goals we will seek during his term.

The convention spies from our Region 10 were dedicated in discovering what must be done next year at the Denver Convention. Further, they were quite articulate in their recommendations. Yep, we made a list.

From Denver we had Max Saul, Don Teegarden, Olyn Price and Henry Baume with their wives, and Art Bush, the new Denver CSI President, John Pollock, and Jim Noone making notes and observations. This was augmented by helpful hints from Region Director Walt Scott and wife, and Jack Craven and wife from Salt Lake, and from Bob Schmidt and wife from Albuquerque.

We now take on the serious task of translating the "Moods Over Miami" into the "Delights in Denver."

It was a good convention.

# 11th annual convention construction specifications institute miami beach, 1967

In 1948, a small number of far-sighted men founded the Construction Specifications Institute in Washington, D.C., making it the youngest national organization in the architecture/construction field. The men who strive toward technical excellence in the field of specifications met May 29, 30 and 31 for their Eleventh Annual National Convention at the Fontainebleau Hotel in Miami Beach, Florida. It was a record breaker in many departments! The total registration was plus 1,450 and almost 90 Chapters reported in from all around the U.S.A. All this in less than two decades.

Principal speaker was Mr. Horace M. Chase, Director of the Bureau of Building Construction for the Commonwealth of Massachusetts. A career civil servant, Mr. Chase has held his present position since 1962.

Basing his address on the Convention Theme—"CSI '67—An Evaluation," Mr. Chase alerted his listeners to the importance of the specifier in today's construction industry. He said: "The one phase of the work which is grossly underrated in importance to the project is the development of the specifications and it is becoming more and more evident that the construction specifications writer's role demands greater recognition and that he should take his place in the design team along with the other principals."

Mr. Chase stressed the importance of governmental projects in the over-all construction picture, predicting an increasing percentage of all work will be dominated by Federal, State and Municipal governments and their agencies. He reviewed the principles for selection of design personnel and bidding procedures presently followed by the Commonwealth of Massachusetts.

Featured speaker at Monday afternoon's session was George R. Bailey, Executive Vice President of the firm of Turner, Bailey and Zoll, Inc., Chicago. His theme, "The Building Challenge," outlined what building owners will expect from specification writers in the future.

Some of the other VIP's present who served as moderators and speakers at the workshop sessions were: Glen H. Alpanalp, Legal Editor of the Specifier; Samuel A. Bogen, President of the Consulting Engineers Council/USA; M. Lee Dahlen, Vice President of Hammel, Green and Abrahamson, Inc., Architects and Engineers of Minneapolis and St. Paul; Ben F. Greenwood, Architect from Houston,

Texas; Dempsie B. Morrison, Jr., Institute Vice President and Architect from Memphis, Tennessee, and many more gentlemen who place a vital emphasis on the importance of better practices in the writing of specifications.

Henry B. Baume, FCSI, and immediate Past President of the Institute, presided at the Annual Awards Dinner on May 31st. Over twenty-eight awards in the 1967 Annual Specifications Competition were made in 12 construction categories. John Schotanus, Jr., Architect of Phoenix, Arizona, received a citation for a private residence in Paradise Valley, Arizona. Also honored was the Phoenix Chapter of the CSI, receiving a Chapter Technical Excellence Award for having made the greatest effort toward technical activity during the 1966 calendar year.

Thirteen men were elevated to Fellowship in the Institute. Elected President of the Construction Specifications Institute for the 1967-68 term was Mr. John C. Anderson, FCSI, chief administrative architect and an associate in the firm of Thorson and Thorshov, Inc., Minneapolis, Minnesota. The three Vice Presidents are: Harold E. Keller, FCSI, owner of Building Specifiers of San Gabriel, California; Dempsie B. Morrison, Jr., a practicing architect from Memphis, Tennessee, and Joseph L. Heacock, senior partner in the firm of Heacock and Platt, Architects of Hatboro, Pennsylvania. New secretary of the organization is Ben F. Greenwood, FCSI, an architect practicing in Houston, Texas, and the treasurer is Charles R. Carroll, Jr., who is the Director of Architectural Services for the U. S. Plywood Corporation of New York City.

Newly-elected Director of the Western Section of the Construction Specifications Institute is George O. Petty, a representative of Monarch Tile Manufacturing, Inc. of Phoenix, Arizona. Mr. Walter Scott of Salt Lake City continues as Director of Region 10.

In his pre-convention message to the delegates, Past President Henry B. Baume, FCSI, said: "During 1967, we will see an increasing need for our services. We must concern ourselves therefore, at our Eleventh Annual Convention, with an introspective evaluation of how the Institute can better serve the professions and the industry, and how CSI can strengthen and enlarge its programs." Certainly, the men of the Construction Specifications Institute accomplished this vital evaluation in Miami, and the new year should bring them to the realization of the new goals set at their annual meeting.

# COLORADO BUILDERS HOST AUSTRALIAN TOUR



From left to right: Ray Parker, President of the Metropolitan Denver Home Builders—Australian Tour Director, Robert A. O'Neill, F.A.I.B., F.A.I.M., J.P., from Adelaide (and complete with Stetson)—E. B. Jones Sr., President of the Associated Building Contractors of Colorado, Inc. (AGC).

Colorado's Men of Construction . . . the Associated Building Contractors of Colorado, Inc. (AGC) . . . and the Metropolitan Denver Home Builders Association are reviewing, with some satisfaction, the recent visit with their colleagues from "Down Under." Denver was chosen as one of eight cities to be visited in the United States during the World Tour of the Master Builders Federation of Australia, Inc. This fact-finding expedition brought some thirty-two general contractors and home builders into the area for an inspection of construction methods and mores. As the Master Builders deplaned at Stapleton International Airport in Denver, they were greeted by the spirited skirling of the Shrine Bagpipe Band. Ushered into a private reception room at the Airport, their hosts promptly presented them with Stetson hats, and not to be outdone, the Australians reciprocated with kangaroo pins. Finishing touches to the hearty welcome were provided next morning at the Engineers Club by Denver Mayor, Tom Currigan.

After a brief exchange of historical facts, Denver and Australian Contractors headed south from Denver to the United States Air Force Academy. In addition to a complete briefing by Colonel John Ansley of the Academy and luncheon at the Officers' Club, the visitors had a complete tour of the site and construction projects under way. No holds were barred, and the Australians were given the opportunity to see every part of the project of interest to them as builders.

A brief tour of the Antlers Hotel Complex in Colorado Springs was followed by a dinner meeting at the Dublin House which gave Builders from Colorado Springs and Pueblo an opportunity to meet and visit with the Australian Tour Group.

Tuesday, being a holiday, was a person-to-person exchange. Denver Home Builders and General Contractors took small groups of Australians into their homes and many of them were exposed to a little of the Colorado Rockies. There were golf games, fishing trips and mountain tours, and the men from "down under" seemed to thoroughly enjoy being with members of the Industry and their families.

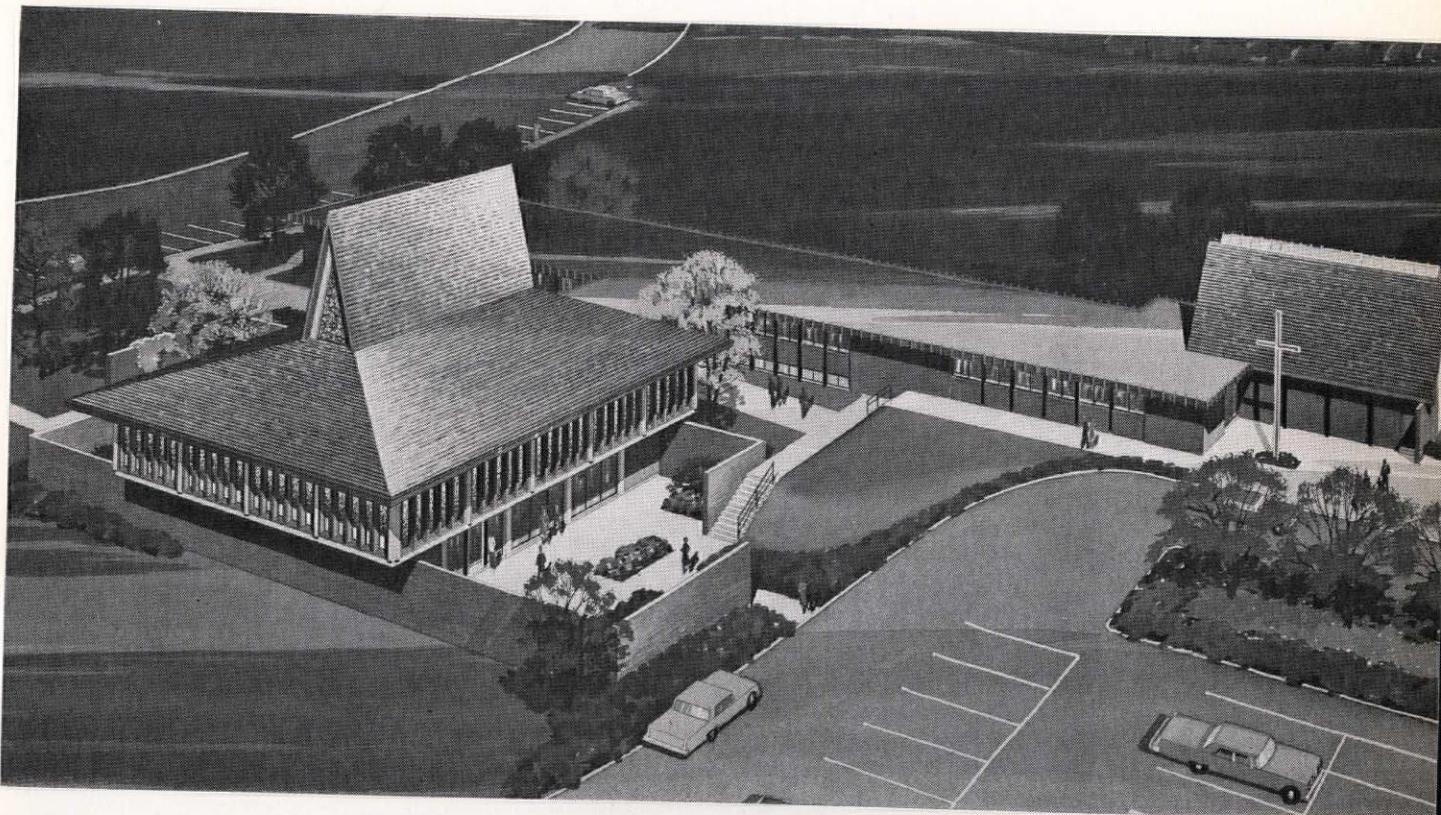
Over one hundred were present the next morning for a Breakfast meeting at the Brown Palace Hotel in Denver. This final formal session enabled the Master Builders from Australia to express their gratitude for Denver's hospitality. Sets of beautiful Australian black opal cuff links were presented to Howard Baker (immediate Past President of the ABC), E. B. Jones, Sr. (present President of the ABC), Ray Parker (President of the Metropolitan Denver Homebuilders), and Colonel John Ansley of the U. S. Air Force Academy.

The breakfast was followed by a tour of local projects and visits to local Contractors Offices. Mr. E. B. Jones, Jr. (A. A. and E. B. Jones Construction Company), tells us the Australians were really interested in exploring American methods in depth. Said Ed, Jr., "The men who visited our offices were anxious to learn everything they could. They looked into our construction control systems, our books, our cost accounting procedures—as a matter of fact, there wasn't anything about the contracting business they weren't interested in learning." Then, he added, "Of course, we had some questions of our own. We were equally interested to learn about Australian methods, bidding procedures, and so forth. It was a real exchange." It was with regret that Denver's Builders put their Australian friends on the plane that evening at 6:00. New ideas, new fellowship and a new sense of belonging to a world wide organization made the visit more than worthwhile for ABC men and Denver Homebuilders.

During their World Tour, the Master Builders Federation of Australia will exchange news and views of construction with members of the Industry in ten foreign countries. Denver felt unusually privileged to have these men from "Down Under" with them—if only briefly. It was an opportunity which all participants will long member.

(This project completes the Applewood Valley Methodist Church Complex. The new buildings are the Main Sanctuary in the foreground, a Fellowship Hall, Kitchen, and an Educational Building adjoining both the main Sanctuary and the original small church at the far right.)

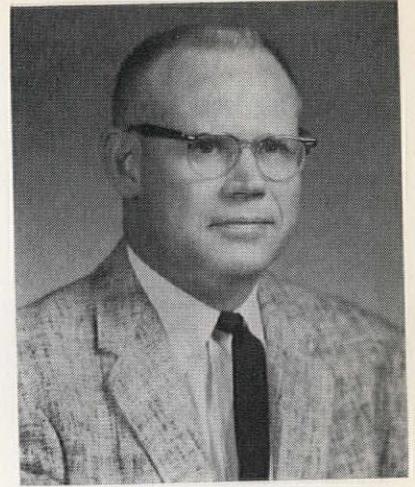
**APPLEWOOD VALLEY METHODIST CHURCH**  
Golden, Colorado



architects:	Bourn and Dulaney, Englewood, Colorado
engineers:	
structural:	Kostroski and Wathki
mechanical:	Earl Heckman
electrical:	Robert Clay
general contractor:	Cyrus G. DeLano
amount of contract:	\$270,000.00
completion date:	February, 1968

## wyoming

### the architect and his work

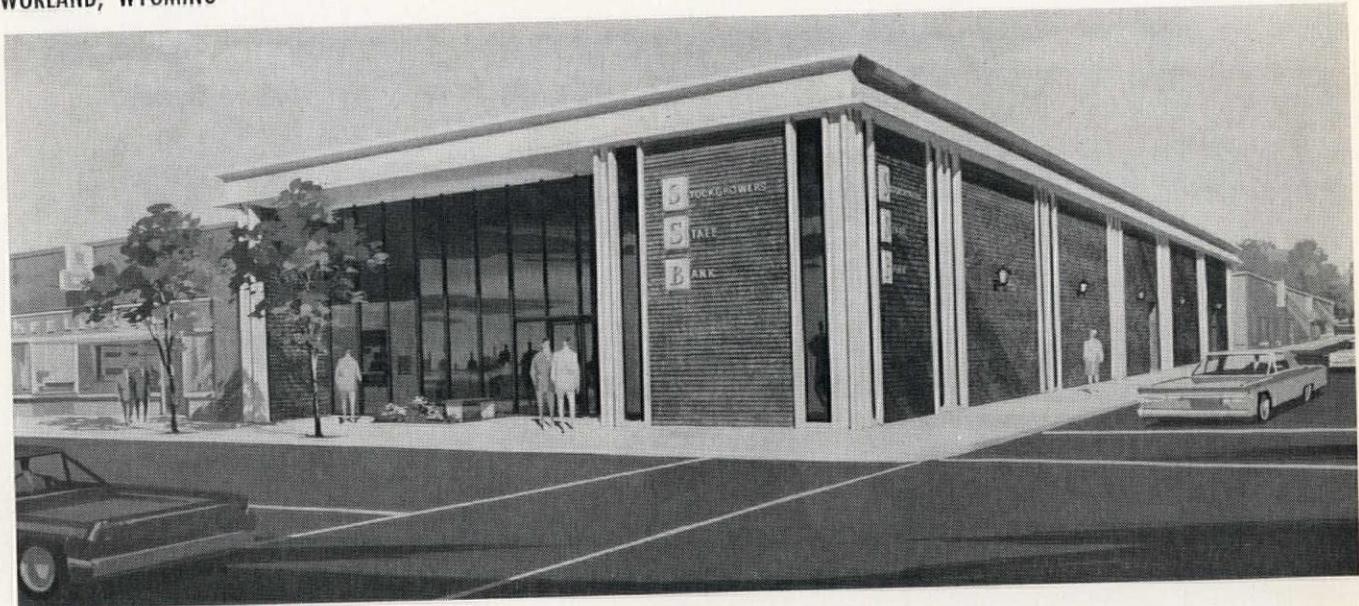


THE ARCHITECT

JOHN E. TOOHEY, A.I.A.

Mr. Toohey is principal and owner in the firm of John E. Toohey, Architect, Worland, Wyoming. He is a graduate in Architecture from Montana State College, a member of the Montana Alpha Chapter of Tau Beta Pi. He is a member of the American Institute of Architects, licensed in both Wyoming and Montana, and holds a NCARB certificate. For ten years, Mr. Toohey was associated with Cushing, Terrell and Associated Architects in Billings, Montana; for five years, a partner in the firm of Cushing, Terrell and Toohey of Worland, Wyoming. His own firm in Worland was established four years ago.

#### STOCKGROWERS STATE BANK WORLAND, WYOMING



#### engineers:

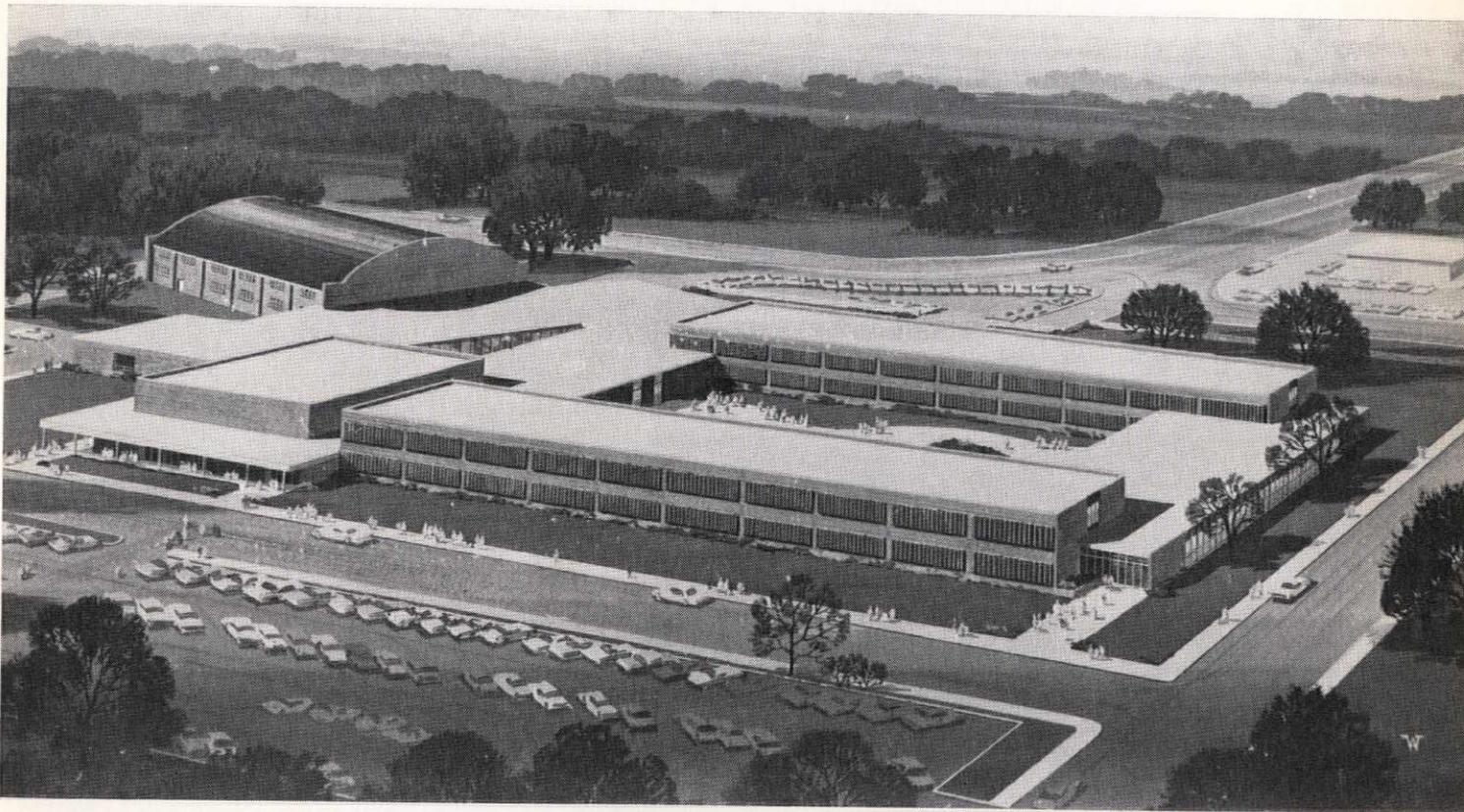
structural:	Volk and Harrison, Casper, Wyoming
mechanical and electrical:	Knoll Engineering Associates, Denver, Colorado
general contractor:	Strube Construction, Inc., Riverton, Wyoming
amount of contract:	\$220,000.00
completion date:	December, 1967

Class Room Addition: Two story additions designed for maximum use of team-teaching and electronic programming. First floor to include Art, Guidance, Library, Language and Multi-Use Auditorium. The second floor devoted to Language and Social Science. The total area: 72,100 square feet (\$13.17 per sq. ft.). Materials used include steel frame, brick veneer and concrete block, glass and glasweld.

Physical Education Facility: Two story, complete new building of steel frame, glass and glasweld, brick and concrete block. Building has over 3,000 seating capacity. It is 55,100 square feet (\$11.45 per sq. ft.).

The Bank Building is of precast concrete and flashed brick exterior . . . no basement. The first floor banking areas: 6,900 square feet—the second level houses mechanical facilities, storage and a community room. Total of 3,600 square feet. The building is on a 40' by 140' site, and the cost/sq. ft. not including demolition . . . \$20.90.

**FREMONT COUNTY VOCATIONAL HIGH SCHOOL  
LANDER, WYOMING**



engineers:

- structural: Volk and Harrison, Casper, Wyoming
- mechanical and electrical: Knoll Engineering Associates, Denver, Colorado
- general contractor: L. M. Olson
- mechanical contractor: Johnson & Brown/Classroom Addition  
City Plumbing & Heating/P.E. Facility
- electrical contractor: A-1 Electric Company
- amount of contract: Class Room Addition: \$998,282.00  
P.E. Facility: \$630,000.00
- project architect: Ronald R. Goldberg

(It is very seldom, Symposia goes beyond our six-state region for material. The following article, however, is of vital interest to the design professions everywhere in the United States. E. Vernon Konkel, CEC/Colorado, a member of Symposia's Editorial Advisory Board, brought Mr. Stratta's comments to our attention in order that we might bring them to yours. This article is not only thought-provoking, but a sobering plea for action by the professional people involved.)

## THE DESIGN PROFESSION'S THREAT TO SURVIVAL

by: James L. Stratta, President  
Consulting Engineers Association,  
California

There exists today a serious question as to whether the architectural and engineering professions, as we know them, can survive. To say that they are being subjected to harassment in our society would tend to be an understatement. Illustrative of this harassment is the trend the Law seems to be taking as respects their professional performance. It seems to state that the architect, structural engineer, mechanical engineer, electrical engineer, etc., who work on designs and specifications must perform with infallibility. The once thought of practicing architect or practicing engineer is not recognizable on today's legal scene.

At one time, the members of the design profession were engaged by an owner to act as his agent in the design of a building or its components. This agent acted on behalf of the owner to the best of his ability in the preparation of plans and specifications of the desired edifice. Contingency funds were provided, so that normal changes during construction (or if corrections were needed on the work) could be done quickly and easily. Today, many owners expect that the architect and engineer will pay for unexpected requirements or needed changes in the scope of the design. Evidentially the owner feels "I hired an architect or an engineer to design my building and if he does

not anticipate all eventualities, that's his problem." To be perfectly fair, perhaps there is some foundation for his attitude in this regard—this is a point which will be discussed later.

Let us examine the following: Is there any architect practicing in the United States today that could honestly stand up and say that he could prepare a complete set of plans and specifications, including the architectural requirements, structural components, and electrical requirements, plus a flawless set of specifications, and in addition, do the necessary inspection (or "supervision" if you use the old fashioned word); oversee the contractual documents, the legal requirements, coordinate financial and accounting information, **without making a single mistake?** If the answer be "yes" to that question. I would like to see him. If we admit in advance that there are going to be mistakes committed in virtually every job of any size, can it be equitably contended that the architect or engineer should pay for all of them? I do not think that that is right, proper or professional. An architect or an engineer simply cannot be the expert that the courts and our public are trying to make him. As a simple example, if he were to fit their mold he would have to become completely familiar with all of the chemical ingredients of paint, the method of

proper application, the nature of reaction all surfaces might have with paint, and so forth. It would be impossible for an architect or an engineer who devotes any time to his business to be able to become expert in all matters relating to paint. It may be redundant to state that he cannot be a complete expert in all types of floor covering, ceiling material, roofing material, hardware, doors, woods, plumbing fixtures, electrical fixtures, mechanical fixtures, etc. It would be a task beyond human capability. Admittedly he can be proficient in a wide spectrum of building materials and components, but to become expert to the extent that the courts and public are expecting of him today, would place him above the position of a mortal man.

Technological progress seems to hinder rather than help our design profession disciplines. Take the case of the mechanical engineer; the man who designs heating, ventilating, air conditioning, plumbing, etc. They have seen great strides made in the technological end of their profession in recent years. However, this has led to more harassment, not less. I have heard this snide remark made: "There is not a single competent mechanical engineer in the entire San Francisco area." Remember that area would include some 4½ million people. This statement is, of course,

patently incorrect, yet it was made (and may be made again) by a person who was dissatisfied because a mechanical system in his structure failed to live up to its space age advertising. This all came about as a result of a few peoples' complaint that "constant comfort control" was not keeping them comfortable. This person felt the situation was directly attributable to the mechanical engineer. He seems to forget that it is a common occurrence for one party to say, "My, it's warm in here, I am going to take my coat off," while the other replies, "Take off your coat! I was just going to put mine on." Obviously, no two people have a like metabolism, a like tolerance for heat or cold, yet many people expect the mechanical engineer to prepare a design that will satisfy all. This, he will never be able to do.

To complicate his situation look at what the mechanical engineer is up against when it comes to construction. First of all, he must ordinarily allow several manufacturers a chance to bid their equipment. He must allow several mechanical contractors to bid. In either case, the manufacturer or the contractor may not be to his liking. Unfortunately, he may have very little voice in their ultimate choice. He is plagued by the "or equal" requirement that many owners insist upon in the construction contracts. This means that his duty as consulting engineer is enlarged by the requirement that he familiarize himself with manufactured items so that he is, in fact, sure that they are "equal."

Budget is something that he must always be conscious of—but it is the first item forgotten once the work is completed. If there is any dissatisfaction with his system those screaming the loudest have the dimmest memory when it comes to recalling the admonition given to him to stay within a certain amount. In designing to this strict budget he may select a piece of equipment which is not the best piece for the job—somewhere in the middle range. When this is installed and made operational and does not come up to the owner's

expectations, should the mechanical engineer be responsible for the extra cost of bringing it up to the level of the better component? It does not seem that he should, yet that is being demanded of him in too many cases. In fact, there have been adjudications and arbitrations awards which in my judgment support demands of plaintiffs that, when considered in the light of the duties and responsibilities of those in the design field, are completely ludicrous.

By comparison, should every attorney who loses a case be responsible for the loss his client may suffer. I would think that in any litigation about 50% would be won or lost by either party. Does an attorney's failure to produce an expected result make him liable? I think not. Should a medical man be responsible if he does not cure his patient? Again, it would seem not. Yet there seems to be a growing belief on the part of the public that the practitioners in the design field should be responsible for producing a building of the nature and scope which they may have erroneously anticipated. In no sense am I suggesting that negligence be forgiven. This is not the case. Negligence is something for which all professionals should be held accountable, but the tendency to believe that negligence can be inferred from dissatisfaction in a structure, or because it lacked complete perfection is, in my view erroneous.

The pity of the situation is that it has the effect of subverting judgment. We all know that an important factor in rendering an architectural or engineering opinion rests in the exercise of judgment. The State sees to it that all of us who practice have the technical know-how necessary to properly figure a job. They give us tests; if we achieve a 70% or better grade we have passed the licensing examination. The public seems to be demanding of us a level of performance which would require a 100% grade, and no room for judgment. This, of course, works to their long range detriment. Judgment has been, and will be, an important factor in any professionally conceived design plan. Without it, we might as well go back to the cave or igloo—all alike, with no improvements from century to century.

It was mentioned earlier that there was some possible foundation for the public looking for miracles from the architect and engineer. This, in my opinion, in part is the result of the design profession's tendency towards overstating their capability.

Madison Avenue has developed the technique of selling the American public with grandiloquent adjectives that bear little resemblance to the touted product. Unfortunately this technique or state of mind has in part carried over to the design field. We, in the design field, believe in our capabilities, are convinced that we can accomplish difficult tasks, and we would like to produce perfection. Unfortunately, when the public deals with us as professionals they do not temper our communication to them as they do when purchasing a product. As a consequence, they may expect things of us which we are totally incapable of producing. This is mentioned only as a possible source of some of our difficulty.

The Consulting Engineers Association of California has undertaken a program by which they hope to combat this enormous problem. That Association entered into a Professional Liability Insurance Program with aid from the national insurance brokerage firm of Alexander & Alexander, Inc. The Association convinced them, and they convinced an Underwriter, American Motorists Insurance Company, of Chicago, Illinois, that our professional liability problem was largely attributable to failure in communications, an incorrect image of the design professions, and a hostile legal climate—not the result of a growing wave of incompetence. (Ed. Note—CEC/COLO. has also entered the same program.) Proceeding on this basis, they have mutually developed professional liability loss prevention techniques; these have been used successfully by the members in their practice. One of the original thoughts in this program was that a Board of Review be made up of the members of the CEAC (also CEC-Colo.) to scrutinize claims made against members so as to determine whether there had been professional negligence, or if instead the claims were the result of one of the factors previously mentioned. While this program seems to be effective, it is not enough. The problem is of staggering dimensions, and it appears to be growing. Unless the design professions awake to the critical nature of the sly evolution affecting them, they may not continue to exist as we know them. The time for concerted action would seem to be at hand.

## ***a symposia series***

### **Introducing: architecture/construction leaders**



**Sidney W. Little, F.A.I.A.**  
**Director—Western Mountain Region**  
**American Institute of Architects**

Regional Secretary: William H. Cook  
7065 Mesa Granada Court  
Tucson, Arizona

At the Annual Convention of the American Institute of Architects in New York City, Dean Sidney Little was installed as the new Director for the Western Mountain Region. Dean Little is a resident of Tucson, Arizona, and Dean of the School of Architecture at the University of Arizona. He has served the AIA as President of the Southern Arizona Chapter, the President of the Arizona Society and as a Director of the Rocky Mountain Region. Dean Little was born in Buffalo, New York, received his Bachelor of Architecture from Cornell University, and after a summer of study at the University of Pennsylvania, spent a year at the Ecole Beaux Arts in Fontainebleau, France. His Master of Architecture degree is from Tulane University.

Dean Little began his teaching career in 1929 at Clemson College. Since then he has taught at Alabama Polytechnic Institute, the University of Oregon and at Arizona where he became Dean of the University's College of Architecture in 1964. His practice of architecture is concurrent with his years in education and includes registration in Oregon, Alabama, Georgia and Arizona. Since 1953, Dean Little's practice has been limited to consultation in design and urban planning.

From 1942-'45, he served with the Army in the Office of Strategic Services in China and Southeast Asia. Now on reserve status, his rank is Lieutenant Colonel.

Widely traveled, Dean Little is the co-author of "The Architect at Mid-Century," he has written extensively for professional publication, and has authored, "The Four-Language Phrase Book," the "Climate of Tucson" and the "Climate of Phoenix."

A man of culture and great charm, Sidney W. Little, F.A.I.A., brings both stature and a deep understanding to his new office of Regional Director. Architects may be sure of a steady hand on the tiller as the Western Mountain Region embarks on a new era of growth and added responsibility in the architecture/construction community.

## **TAKE ME TO YOUR LEADER**

**Arthur H. Bush, President**  
**CSI/Denver Chapter**

1st Vice President: Oluf N. Nielsen  
2nd Vice President: Evan Williams, Jr.  
Secretary: Carl K. Edwards  
Treasurer: William A. Baillie  
Directors: Thomas W. Keeton, Jr., R. James Noone, Larry L. Bourn, Frank Shutts. Scope Editor: O. James Barr

Newly elected Denver Chapter President of the Construction Specifications Institute is Arthur H. Bush, partner in the firm of Moore and Bush, Architects. A Denver native, Mr. Bush graduated from the University of Colorado with a B.S. in Architectural Engineering in 1949, and attended the Harvard Graduate School of Design, graduating in 1953. His professional experience includes three summers with White and Overhold in Denver, a half-time job with D'Orsi and Company of Boston from 1949-'53 then full time with William Korkyn of Boston and George Savage of N.E. Harbor, Maine. In 1954, he returned to Denver joining T. J. Moore, and in 1960 assumed a principal's role in the firm.

Mr. Bush was with Uncle Sam's Air Force from 1943-46, spending a year of his service time in Guam. He is a member of the American Institute of Architects and has served on various committees over the years. His CSI experience includes chairmanship of both Membership and Technical Committees, and he has been both Director and Vice President before his election for the 1967-68 term as "Leader."

His charming wife, Ruth, attended Radcliffe College and is a native of Concord, Massachusetts. They have two sons, Geoffrey, ten, and Jonathan, eight. Mr. Bush is very active in the Bow Mar Owners, Inc. . . . heading up the Architectural Control Committee. Since he has an acre of ground surrounding his Bow Mar home, gardening is not just a hobby, it's a necessity. He is also an enthusiastic fisherman, and collects coins.

He brings to the Denver Chapter/CSI, a very real interest in the organization, its purpose and goals, and will provide outstanding leadership in the year ahead.

From: James R. Cushing, CSI/Albuquerque



**Kenneth D. Hansen, President  
CSI/Albuquerque Chapter**

1st Vice President: James N. Rowland

2nd Vice President: Stan C. Borthwick

Secretary: William K. Stewart

Treasurer: Glen L. Krauth

Directors: Robert J. Schmidt, Jim Dell, Jim MacCornack  
Advisor: Immediate Past President, James R. Cushing  
Kenneth D. Hansen, newly elected President of the Albuquerque Chapter of the Construction Specifications Institute, formally took office at the Chapter meeting on June 21, 1967. Mr. Hansen has been employed since 1960 as the District Structural Engineer of the Portland Cement Association, and is well known throughout the Symposia region for his many appearances at Structural Engineering Conferences.

Mr. Hansen has a B.S. degree in Architectural Engineering from the University of New Mexico (1955) and his Masters in Civil Engineering from the University of Colorado (1961). From 1957 to 1960, he was a project engineer for Ketchum, Konkel and Hastings, Structural Engineers in Denver, Colorado. Previously, he had been employed in Seattle as a Design Engineer by the Boeing Aircraft Company.

Registered as a Professional Engineer in both New Mexico and Colorado, Mr. Hansen is very active in both Civic and Professional affairs. He is presently a member of the Albuquerque Metropolitan Parks and Recreation Board, Chairman of the Albuquerque Olympic Committee, and President of the Albuquerque Branch of the American Society of Civil Engineers.

Married—Mr. Hansen and his wife, Millie, are the proud parents of two young sons—Bruce, age 9 and Scott, 7.

His notable interest and hobby is participation in and promotion of Track and Field sports events with the New Mexico A.A.U., and the Albuquerque Jaycee's. His specialty is race-walking, best time—8 minutes 49 seconds for the mile . . . and you wouldn't exactly call that a stroll in the park!

Albuquerque, one of the newer CSI Chapters, with a phenomenal growth pattern, looks ahead to bigger and better things under Mr. Kenneth Hansen's leadership.

## *Symposia presents:*



*Roland Proett  
Producers' Council*

The new president of Producers' Council Rocky Mountain Chapter, Roland Proett, joins Symposia's Editorial Advisory Board with the July issue. He will serve to keep us abreast of the activities of the PC membership, and to add to our understanding of the architecture/construction picture.

Roland is a Colorado native (getting to be a *rara avis* in these parts). He was born and educated in Boulder, including his degree in Architectural Engineering from Colorado University. Upon his graduation in 1956, he moved to Denver and to a position as an architect/engineer with the Structural Clay Products Institute. In July, he moves into a similar slot with the Dow Chemical Company specializing in the sales and promotion of construction materials in the Rocky Mountain area.

Roland has been a hard working member of the Producers' Council since 1956, and has served on the Publicity Committee, the AIA/PC Dinner Dance Committee, and for three years has helped to prepare the Annual Report which has been a decisive factor in winning Silver Bells and the Silver Bowl for the Denver Chapter. He has also been Secretary, Treasurer and Vice-President.

He is married—wife's name, Doris, and they have two children, a nine year old daughter, and a son and heir who is seven. It is with a great deal of pleasure that Symposia welcomes Roland Proett to the Editorial Advisory Board. A knowledgeable and enthusiastic member of the Industry, we feel he will contribute significantly to the Symposia purpose. The welcome mat is out, Roland; glad to have you with us.

prelude  
16th annual conference  
western mountain region  
american institute of architects

Often a very good way to begin a new project is to look back upon the one which went before. And so it is, as we begin Symposia's official coverage of the 16th Annual Conference of the Western Mountain Region/AIA. King pin of any convention is its chairman, and last year in Santa Fe, it was "Himself"—John W. McHugh. In John's own inimitable manner, he prepared a report at Conference-end directed to his successors. This year's "man in charge" is John Ten Eyck of Colorado Springs where the region's architects will gather November 5-8 for the 16th running of this annual classic.

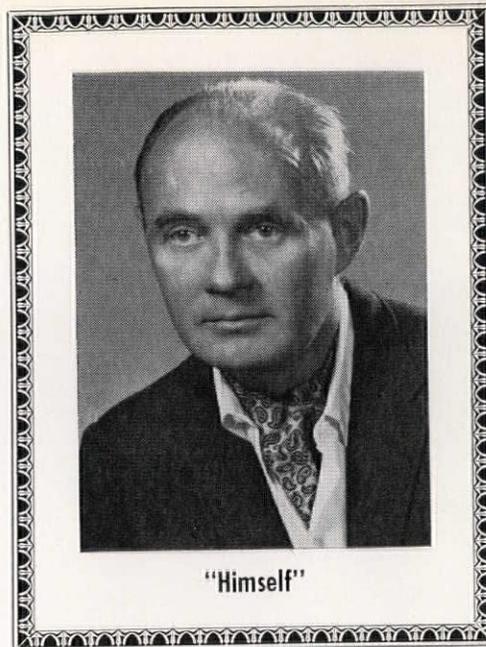
Mr. McHugh's "over the shoulder" retrospective comments are both witty and wise, and for the future reference of any Conference Chairman (as yet unknown) we present a few of the J. W. McH. suggestions for the "care and feeding" of the Regional Convention.

preface or  
(pinch of advice)

"It would take the most wise and profound of living creatures to plan and conduct a flawless convention, but since the average A.I.A. Architect is next to this in wisdom he will be able to plan and run a highly satisfactory convention provided he approaches this task in a spirit of benevolent and inquisitive optimism and has a team of fellow adventurers working with him.

In the course of running an A.I.A. Regional Convention one passes through a similar series of states of mind to what one does in giving a big party at one's home. In the beginning one is delighted with the idea, full of brilliant and amusing schemes, and anxious to get started. As things progress it takes more and more time—usually becoming very demanding just at the time when it is most inconvenient; one begins to become disenchanted and to wonder why one ever got into it. Then, as the time draws alarmingly close the frantic period sets in, and there is not time to think about anything except the job at immediate hand. In the last days, there is worry bordering on panic lest some vital arrangement has been overlooked; and when the visitors at last arrive, one finally relaxes and has a good time.

This was more or less the stream of experiences of the Santa Fe Chapter in planning and running the 15th Annual Convention of the Western Mountain Region in 1966.



"Himself"

Being very docile fellows we tried our best to follow the procedures outlined by the Institute's bible on Regional Conventions. After our invitation was accepted the Chapter president appointed a convention committee general chairman who then appointed his committee chairmen. Obviously these people must get along well and be **sympatico** with the idea or theme of the convention; since they will be living together in a small house in the very center of a dark wood, for some months. The most important of these citizens—no matter what the banker types say—is the Program Chairman. The qualities this man needs are: common sense, executive ability, charm, boundless enthusiasm, and a sense of humor (listed in reverse order of importance).

*(At this point in his discourse, Mr. McHugh reveals all of the frightening details including the reports of his Committee Chairmen. The conclusion drawn by "Himself" is as follows:)*

"I must give one caution to all readers of all reports, and it is this: all of the actions of men are taken either because at the time they seemed like good ideas, or simply an optimistic experiment to see what would happen. It is only later on when the magic is over and we are tired that we find reasons for our actions. We set them down in cold, inexorable logic to prove to ourselves that we could not, in wisdom, have acted otherwise. But really we know that this is not so. There is no one way to do anything. No great music, no great building, no great anything is the result of cold logic. Someone dreamed a dream and made it real. This comes first, and the reports come only afterwards.

A recipe for a happy marriage, a good building or a successful convention might be to take four level tablespoons of Experience, two cups of Practicality, one-half cup of Tradition, a dollop of Discipline, three pounds of Adventure, and a pinch of advice from those who think they are wise; season the mixture with a healthy disrespect for your betters, and—have at it!

Another way of saying that creative imagination is more important than reason would be to note that leprecauns are more important than presidents, and a sense of humor a greater asset than common sense."

The wheels of pre-planning the 16th Annual Convention of the Western Mountain Region have been turning for some time. Here are some of the pertinent facts—architects will wish to note on their calendars immediately!

TIME: November 5-8, 1967

PLACE: BroAdmoor Hotel, Colorado Springs, Colorado

THEME: "The Town Around Us"

## planning theirs:

Committee appointments made by Conference Chairman John Ten Eyck are as follows:

**The Chairman's Committee:** Sherwood F. Ritz, Jr., John J. Wallace, Jr., John D. Anderson, Gordon Sweet. **Awards:** Walter H. Weber, Donald L. Higginbotham, Sam L. Sparks. **Exhibits:** Clifford S. Nakata, Robert G. Muir, James Pung. **Facilities:** Walter E. Burgess, Carlisle B. Guy. **Finance:** Dietz Lusk, Jr., Dorothy M. Albers, James K. Holst.

**Graphics:** Harry M. Pierceall, William H. Wysong, James Pung. **Hosting:** Gordon Sweet, John O. Merrill, Michael H. Collins. **Producers Council:** Tom Keeton, Jr., Terry J. Strong, Douglas A. Palmer, Jr., Frank Roberts. **Publicity:** F. Lamar Kelsey, Duane Waldo, William N. Henriksen. **Registration:** Charles H. Byerly, Ralph E. Fowler, William L. Page. **Ladies:** Frances R. Ten Eyck, Lucille Lusk, Ann Ritz, Viola E. Merrill, Ruth Ann Kelsey.

(Symposia felt these hard-working committee members should receive initial credit because so often when the "tumult and shouting" has died away, we completely forget the people who made it all possible.)

## yours:

The planning of members of the Western Mountain Region of the American Institute of Architects should include **RIGHT NOW** the selection of your submissions to the Exhibition of Architecture at the 1967 Annual AIA Regional Convention. The entry blanks may have reached you already . . . remember the closing date for receiving these entries is August 1, 1967. **It is later than you think!** The Architectural Exhibit and the Awards which follow the selection of the outstanding buildings in the Region are high-spots of every Regional Meeting. Make sure that you . . . and yours . . . are included. Remember to get those entry blanks in the mail before the deadline . . . August 1st. The address is Robert G. Muir Higginbotham/Nakata and Muir, 206 East Pikes Peak Avenue, Colorado Springs, Colorado 80902.

## prognosis:

On June 14, Symposia was privileged to see the new baby . . . the 16th Annual Regional Convention . . . at its home in Colorado Springs. The lusty infant now named "The Town Around Us," is being given the finest in care and feeding by a host of Southeastern Section AIA members. We predict phenomenal growth for this unusual child and a final smashing debut on November 5, 1967.



thank you . . .  
Robert (Sandy) Sandoval



At the June fifth Annual Meeting of Denver's Producers' Council, a committee roster was provided:  
Program: Symposia Editorial Board  
Job Description: Serve in advisory capacity for items relating to Producers' Council.  
Responsibility: Producers' Council President.

So—this month, Symposia welcomes Roland Proett (SCPI) to our Board and regretfully says "so long" to "Sandy" Sandoval (Robco Brick). This is a case of "mixed emotions." Mr. Charles Nes, F.A.I.A., said in his speech at the 99th Annual A.I.A. Convention that he gave up his office as National President with mixed emotions—"it's like," said Mr. N., "like watching your mother-in-law drive off a cliff in your brand new Cadillac."

Sandy has brought talent, a vital interest in the Industry and much constructive thought to our Symposia Editorial Advisory Board. We can remember, at least once, when he delivered needed material on a Sunday (golf-day) and has served us in many ways . . . above and beyond the call of duty."

We are, of course, inordinately proud of the men on our Advisory Board . . . leaders all . . . and sincerely interested in the welfare of every segment of the architecture/construction community. Symposia can only feel the greatest gratitude to the busy, busy people who contribute to our over-all understanding of the Industry. Thanks be to you . . . Sandy! Thanks be to you—for time, your devotion and your enthusiasm. And . . . by the way, we still meet that last Friday, and if you're looking for a cup of coffee and a LOT of conversation . . . join us!

## symposia/around the region

### arizona

Members of the Central Arizona Chapter of the American Institute of Architects lost a most charming and efficient Executive Secretary when Walter Nelson, Jr. accepted a position in Guam. His help-mate, of course, went with her husband to this far-Pacific outpost and resigned her position with the Central Arizona Chapter. Jean is succeeded by Mr. Phil Stitt—a very nice gentleman to be sure—but—let's face it, not nearly so attractive. Sorry, Phil, but facts is facts!

### colorado

Five members of the Associated Building Contractors of Colorado have been re-appointed to national committees by President B. B. Armstrong of the Associated General Contractors of America to serve during 1967. They are: B. H. Baker, President of B. H. Baker, Inc., Colorado Springs to both the Labor Committee and the Legislative Committee; Keppel Brierly, President of J & K Construction Co., to the Membership Development Committee; Donald W. Decker, President of Blackinton & Decker, Inc., to Construction Education Committee; H. W. Houston, President of H. W. Houston Construction Co., Pueblo, to the Apprenticeship and Training Committee; and W. D. Ritchie, Vice President of Hubchik-Ritchie-Davis, Inc., of Colorado Springs to the Corps of Engineers Task Unit of the Contract Forms and Specifications Committee.

B. H. Baker is also the elected National Director representing this state's building chapter of the AGC. Baker, Brierly and Decker are past presidents of the ABC of Colorado, and Baker and Houston are currently members of its Executive Committee.

### nevada

Walter F. Zick/AIA

#### Golf for the Group

The Las Vegas AIA Chapter has always had a close relationship with the Producers' Council/Los Angeles. We've had some very interesting meetings with them. On June 23rd, PC and the AIA got together for a luncheon meeting and then members and their wives were paired off for a golf match. The evening was left for the visiting PC's to enjoy themselves at the many floor shows available in Las Vegas. All in all, a good time was had by all.

### new mexico

James R. Cushing/CSI

Albuquerque

Bradley P. Kidder/FAIA  
Santa Fe

#### May meeting

The May meeting of the Albuquerque Chapter, CSI was devoted to a seminar on wood products. This was the first of the Chapter meetings confined to a specific subject of a highly technical nature. The facts of the matter were most ably presented by the following members and visitors: Wood Doors: John Kilbey, U. S. Plywood Corporation, Albuquerque; David Schafer of U. S. Plywood, Los Angeles and Gordon Green of U. S. Plywood in Phoenix. The New Plywood Standards 8 (U. S. Product Standard PS 1-66): Gregory L. Moats, American Plywood Association, Phoenix; Tony Adsley, Weyerhaeuser Company, Albuquerque and Lloyd Sallee, Baldrige Lumber Company, Albuquerque.

#### New Officers

##### CEC/New Mexico

Frank W. Edwards will head up the Consulting Engineers Council of New

Mexico during the coming year. The other new officers are: Robert J. Uhl, Vice President and director to CEC/USA; Ray H. Chambers, Secretary-Treasurer and O. B. Thorpe, Fred J. Fricke and Basil G. Pouls, Directors, all of Albuquerque and the Executive Director is Carl R. Albach of Santa Fe.

**State-Wide Meeting**

The New Mexico Society of Architects will meet on July 22nd, 12:00 noon 'til Midnight, at the La Fonda Hotel in Santa Fe. Schedule for the day-long gathering: A. M.: Board Meeting in the Coronado Room; Luncheon in the Santa Fe Room, the Design Concept Seminar treating two projects . . . One major Campus Design Project and One minor Individual Building Project in the Santa Fe Room. Cocktails and Dinner followed by dancing in the Cantinita. Usually held in the Spring, the New Mexico AIA felt they might by-pass the usual summer let-down by scheduling this stimulating session in July. The speaker for the luncheon has not been selected at this time, but it is contemplated that it may be someone outside the architectural profession.

**AGC Officers**

1967 officers for the Building Section of the Associated General Contractors in New Mexico are Mr. Gordon M. Thornton (Robert E. McKee, General Contractors, Inc.), President; Stanley Borthwick (Lembke Construction Company), Vice-President and J. K. House (House Construction Company), Secretary-Treasurer.

**Las Trampas**

The American Institute of Architects, the National Park Service and other organizations interested in the preservation of Las Trampas, and the Las Trampas Church, have finally been able to thwart the Highway Department's efforts to put a High-Speed, Four Lane Highway through the town. The Church and some of the buildings nearby are to be restored, or at least preserved from immediate deterioration through the efforts of "The Las Trampas Foundation," a non-profit organization to promote and help finance the overall project. Much of this good work in preserving a genuinely fine historic landmark is the responsibility of the Santa Fe Chapter/AIA . . . and a star in their crown for this!

**Santa Fe Plaza**

**Portal Additions**

Essentially completed . . . Dedication, June 15, 1967.

John Gaw Meem, FAIA and Kenneth Clark, AIA are certainly to be congratulated for the delightfully pleasing and unifying effect that this Portal Addition has given to the appearance of the Old Santa Fe Plaza. The Portals have most successfully eliminated the nondescript and heterogeneous effect of the unrelated heights and styles of the original store fronts and have created a uniform and pleasantly horizontal effect which brings the entire Plaza into a much more intimate relationship with the strolling pedestrian.

The city certainly can be proud of this bit of well-planned Urban Renewal.

**Construction Outlook**

Reports show that projects let to bid in June indicate a 400% increase over March and April. Several architectural offices are still not very busy but the general trend is improving. Individual homes are registering many more starts—commercial projects are putting out feelers, and a rash of promotional "Housing and Rest Homes for the Elderly" seems to be in the offing . . . some of these are bound to qualify. '67 looks to be somewhat better than '66. And that's the good news from New Mexico!

**wyoming**

Gerald Deines/AIA  
N. A. Nelson/AGC

**Architects Meet**

The Wyoming Chapter of the American Institute of Architects will gather in Worland on the 15th of July. Although the AIA members from the far-flung Wyoming region cannot get together too often, it is always an outstanding occasion when they do.

**For Future Reference**

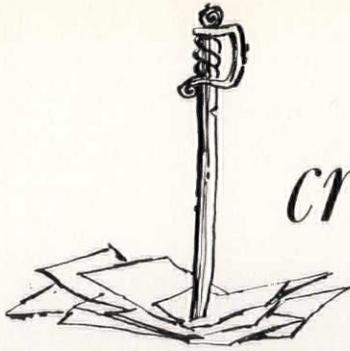
Bob Corbett/AIA, in the Jackson area has agreed to keep us . . . (Symposia and your Wyoming correspondent) . . . up to date on the more important architectural "happenings."

**On to Teton Village**

Members of the Wyoming Associated General Contractors have a full day meeting scheduled on the 7th of July at Teton Village. A beautiful spot for such a gathering, and a worth-while program has been planned.



Pictured both exterior and interior views of Portal Additions—Santa Fe Plaza.



# critique

*(Symposia means a free interchange of ideas—we want you to express your ideas, thoughts and opinions on any and all architectural and building subjects. Simply address: Symposia, 4070 Estes Street, Wheat Ridge, Colo. 80033.)*

Dear Betty:

I have just had an opportunity to open the May Issue of SYMPOSIA, and cannot resist telling you what a superb issue it is.

My pleasure started with your SYMPOSIA SALUTE to Helen Arndt. She is an extremely devoted and hard-working good citizen as your article points out, and your recognition could not be given to a more deserving person. And also, in my opinion, one large and bright gem to your crown for ranging beyond the design and construction field to recognize distinguished service to our community. To me, it is a sign of maturity.

The other articles and the wealth of information in the issue also appear to be extremely interesting and of high quality. I look forward with anticipation to my next plane trip and an opportunity to partake of their full import and enjoyment. I can almost guarantee that this pleasure will take precedence over the work I should be doing on the plane to Miami this Thursday for the CSI Convention. Once again, congratulations to all the SYMPOSIA staff for the tremendous job you are doing and for the exceptional high quality on every score on your distinguished magazine.

Sincerely,

Henry B. Baume, F.C.S.I.

(Immediate Past National President . . .  
Construction Specifications Institute)

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Must like people and architecture

Things that would be helpful  
Graphic Design Ability  
Knowledge of structural design and details  
Familiarity with brick and brick construction

Call or contact Don Wakefield— RA 2-5757

Dear Mrs. Trunk:

We just received the June issue of "Symposia" in the office Friday. It is the first issue of the publication I have had a chance to see and want to congratulate you and your staff on a very interesting and enjoyable magazine. I would also like to thank you for the fine write-up on the Wyoming Chapter's AIA Annual Spring meeting. I might add that the meeting was planned and hosted by the University of Wyoming's Student Chapter of the AIA which has existed now for one year. I was head of the program committee and can say the committee members and students did an all-out, outstanding job in planning a good and entertaining time for the State Chapter members and their wives. This meeting will be an annual occurrence and we hope next year to do still a better job.

As I am originally from Casper, I was very interested in the article, "The All Americans—Up by the Bootstraps." As you said, Casper had drifted along like many of our other cities, then the oil companies moved out. Things were slow for about six months but during visits to Casper in the last year there has been a noted and growing enthusiasm in the city. I only wish more of our cities would gain some of this type of enthusiasm and incentive and work to create better environments within themselves.

Sincerely yours,

Alan C. Keimig,

Banner and Associates, Inc. (Cheyenne Office)

Dear Mrs. Trunk:

I always enjoy Symposia, and especially when you are kind enough to give some nice publicity to the students studying architecture, such as the reporting on the Arizona State University Awards Banquet.

It was also pleasant to see the nice report on my old friend, Max Flatlow's elevation to Fellow, but somehow, somewhere between the elevation to Fellow for Max on page 13, both Elmore and myself were de-elevated on page 29. I hope next time we appear in print that we also receive recognition as Fellows.

Sincerely,

Frederick P. Weaver, FAIA

*(Our face is more than red, Mr. W. Our humblest to both you and Dean Elmore, FAIA! Certainly those proud initials are too hard to come by to be ignored. We promise, never again!)*

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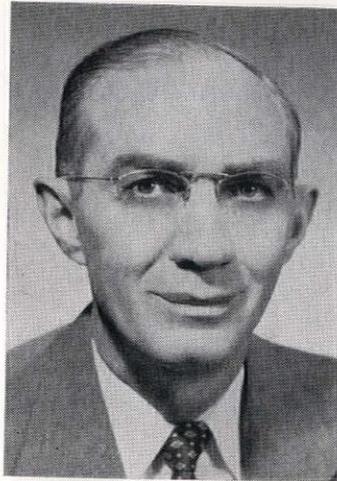
# Kidder Named to Commission

Bradley P. Kidder, F.A.I.A., of Santa Fe, New Mexico, has been appointed to the new and powerful Construction Industries Commission which will take over their duties on July 1. Other appointees to the Commission are Mr. Fred Mossman of Albuquerque, a Home Builder; Mr. L. E. Mayer of Santa Fe, a Bank Director and Plumber on a Regional level; Mr. Walter Linam of Hobbs, highly respected Electrical Contractor, and Mr. Ted Bonnell of Alamogordo, Banker and Public Representative.

In appointing Mr. Kidder to represent the Practicing Architects and Engineers, Governor Dave Cargo recognizes the preeminate position held by Mr. Kidder, not only among members of his own profession, but by all other segments of the architecture/construction industry in New Mexico. (ED: In typical Kidder style . . . off hand . . . he listed himself only as "architect and Symposia correspondent.")

The new Construction Industries Commission marks a very real step forward for New Mexico and is the result of a new forty-eight page law adopted by the first session of the 28th New Mexico Legislature. This was the legislative climax to more than three years of acrimonious debate and heated discussion between General Contractors, Mechanical Trades and Electricians over the problems of licensing, examination and inspection—to say little of the duplication of fees and the conflicting Code Requirements. This ambitious solution to most of the problems which have beset the Building Industry was the result of a two-year study by the Examining and Licensing Committee headed by Senator I. M. Smalley of Deming.

The Commission will be assisted in its work by three Trade Boards of five members each representing General Construction, Mechanical and Electrical members of the Industry. Duties and authority of the Commission include the resolution of jurisdictional conflicts between Trade Boards by assigning trade jurisdictions and classes, the coordination of codes

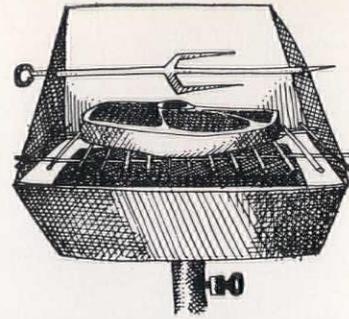


Bradley P. Kidder, F.A.I.A.

and minimum standards written by the Trade Boards and the authority to revoke or suspend contractors' licenses. After July 1, all Contractors Licenses (in every classification) will be issued by the Construction Industries Commission. Present journeyman licenses will be replaced by "Certifications" and will continue to be issued by the appropriate Trade Board (i.e.: Mechanical Board formerly Plumbing Administrative Board) or the Electrical Board.

Grandfather clauses in the law protect both contractors and journeymen who are presently licensed, as well as present codes and minimum standards which have been adopted by present Trade Boards. A maximum license fee of \$100.00 has been established and will be less expensive for the contractor who heretofore may have had to obtain licenses from two or more boards.

The new legislation provides for a fluid machinery of transition which should avoid any confusion in the take-over by the new boards and the Commission. It further provides competent personnel and enough funds so there should be no complications in setting up what is hoped will be a Model Type of Governing Body for the examination, qualifying, licensing and inspection of all elements within the Construction Industry.



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# Memo...



NOTE: Many of our readers tell us they are using the "Memo" as a day-to-day reminder of where to be — and when to be there. We are endeavoring, of course, to make this a **complete** calendar — only possible if we have the cooperation of all the construction-oriented organizations. If your meeting dates are not now included please call us at 422-4153 — or if you are outside the Denver Metropolitan Area — mail your meeting schedule to Editor — Symposia — Boyce Publications, Inc., 4070 Estes, Wheat Ridge, Colorado 80033.

- JULY 5:** Association of Remodeling Contractors/Board of Directors Meeting. Dinner: 6:30 p.m. — Four Winds Motor Hotel, 4600 West Colfax Avenue, Denver.
- JULY 5:** Women in Construction/Metropolitan Denver, Board of Director's Meeting. 7:30 p.m. Place to be announced

- JULY 7:** Associated General Contractors/Wyoming Chapter State-wide, All Day meeting at Teton Village, Wyoming.
- JULY 11:** Consulting Engineers Council/Colorado — Director's Meeting. Cocktails: 6:00; Dinner: 6:30 p.m. — Denver Press Club. (Note: All members are invited and urged to attend Board Meetings. For reservations: telephone 244-4717 before noon of the previous day.)
- JULY 14-15:** Consulting Engineers Council/Colorado — Annual President's Party. BroAdmoor Hotel, Colorado Springs.
- JULY 15:** American Institute of Architects/Wyoming Chapter. State-wide meeting — Worland, Wyoming.
- JULY 19:** Women in Construction/Metropolitan Denver, General Meeting. Box Lunch — "fun and games" — at the home of Velma Dix. 6:00 p.m.
- JULY 22:** American Institute of Architects/New Mexico Society. 12:00 noon to 12:00 midnight. Luncheon, Design Concept Seminar, Dinner and Dancing. La Fonda Hotel, Santa Fe, New Mexico.
- JULY 24:** Associated Building Contractors of Colorado, Inc. (AGC). Executive Committee Luncheon Meeting, 12:00 noon. Silver Room, Engineers' Club Building, 1380 South Santa Fe Drive, Denver.
- JULY 27:** Mountain States Bureau for Lathing and Plastering, Inc./Board of Governors Meeting. 10:00 a.m. 221 Santa Fe Drive, Denver.
- JULY 28:** Symposia/Editorial Advisory Board. Board Room: A. A. & E. B. Jones Construction Co. 1050 So. Jason. 8:30 a.m.

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# HIDDEN VALUE

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Because plumbing, piping, heating and air conditioning systems are largely hidden from view in the finished building, they are often obscured in the owner's mind as well. That is, until something goes wrong, and he discovers how essential these unseen components are to the successful operation of his building.

That's when he wishes he had not cut the corners quite so sharply on the quality of pipe or fittings, fixtures or boilers, valves or controls or whatever that wears out or breaks down before it should. Quite often the owner's reaction is to blame the architect, the manufacturer, or the mechanical contractor who installed the equipment. Or everyone involved, except himself.

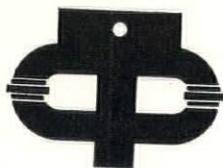
Owing to the constantly increasing costs of construction, there is an undeniable pressure to cut these costs. Everyone feels it, even the manufacturer under the pressure of competition who produces products of a quality he wouldn't have put his name on 20 years ago.

The mechanical contractor feels this pressure when he urges that equipment and components of good quality be specified. The reason is simple: all the quality of his painstakingly learned and practiced skills cannot compensate for the faults of shoddy equipment. Or, putting it as an aphorism: the quality of the installation can be no better than the quality of the equipment installed.

As do you, the mechanical contractor dislikes expending his best talents and skills on unworthy materials. The end result is bound to be unhappy for someone, when the hidden value is found to be missing.

We realize that you are equally conscious of and concerned about this problem. In the spirit of good industry teamwork, we are anxious to do whatever we can to promote these hidden values—for the benefit of all.

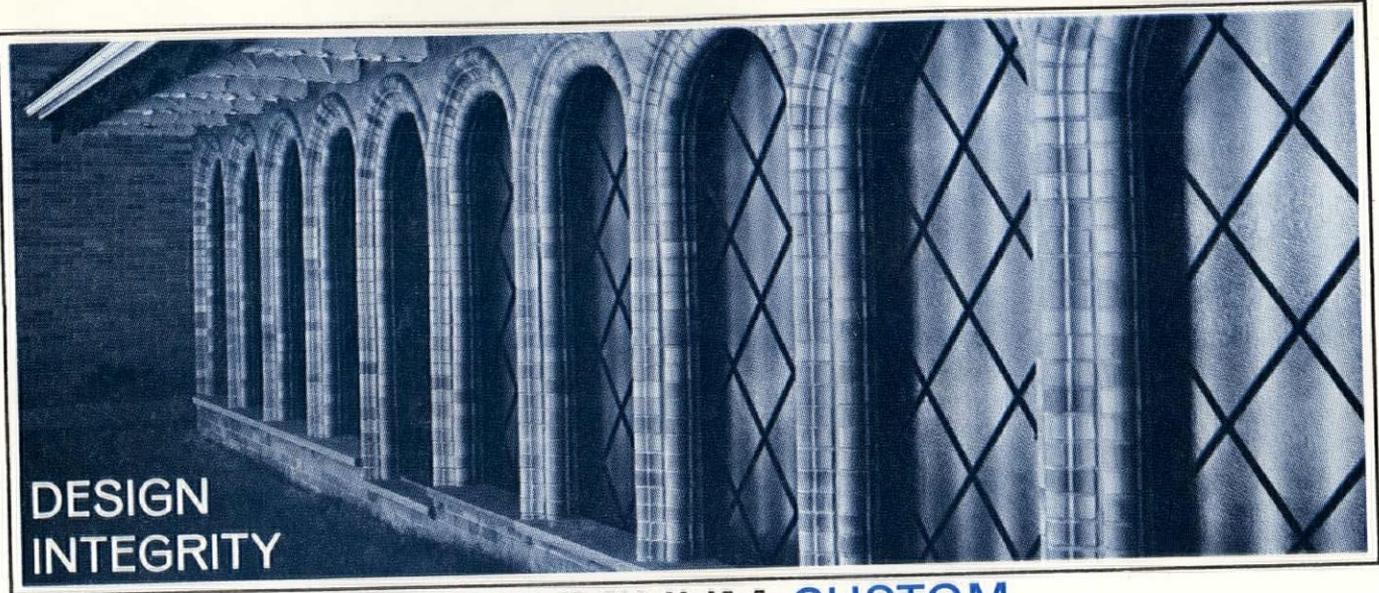
If you have any suggestions, we'd like to have them.



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