

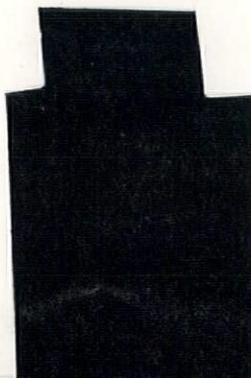
architecture/engineering/construction

symposia

may, 1969



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Symposia

**construction communications
in the Rocky Mountain West**

VOLUME 3

NUMBER 12

MAY, 1969

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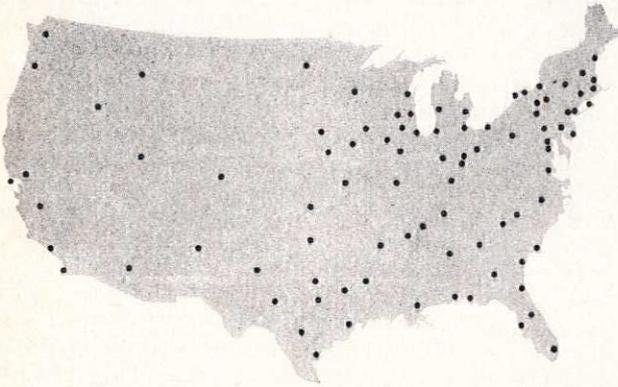
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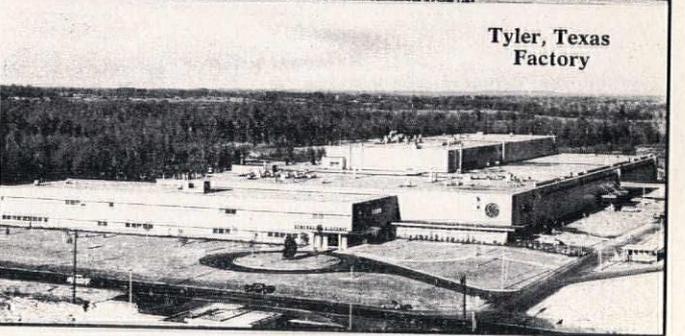
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mason contractors eye the future

Colorado's Mason Contractors came to grips with the future during their Second Annual Convention held in Denver on March 29th. Always well attended, this year's crowd was presented with a full day of activities including exhibits, luncheon and cocktails all planned by a Convention Committee headed by R. C. (Sandy) Sandoval (Robco). The "piece de resistance" was, of course, the Panel Discussion moderated by Roland Proett (Dow Chemical) which afforded four diverse and revealing views of the future of the Masonry Industry.

Architect Roland Wilson admonished Masonry contractors to concentrate on problems of faster construction, citing the shorter construction time afforded by the use of precast and prestress concrete components. He urged cooperation among all segments of the Masonry Industry, most particularly field labor, pointing out the fallacy of double-time for week-end work when winter weather precludes a forty-hour week for the bricklayer.

Rising money costs, said Mr. Wilson, make time of the essence, and this coupled with the increased cost of field labor is placing masonry at a disadvantaged competitive position with concrete units.

Little concern for the Masonry Industry was expressed by Thomas Murphy, President of the Bricklayers, Masons and Plasterers International Union of America. It's been a "boom or bust economy for the bricklayer for 100 years," he stated, and expressed the opinion that the aesthetics of masonry would spark continued expansion. He felt architects should specify and the general contractor supply cover for the job to minimize lost time due to weather. Mr. Murphy feels negotiations between labor and management should start well ahead on contract expiration dates, and defended the Union's apprenticeship program.

Masonry Contractor, Gage Behunin emphasized the importance of intra-industry cooperation stressing the time-saving factor of having a portion of the job covered for

bad-weather work, and suggested that masonry panels could be fabricated under cover and moved in place later. He suggested architects standardize panel sizes, and that masonry contractors should receive part of their money while panels are being built. Mr. Behunin felt the future was bright if coordination could be achieved, and the architectural profession sold on the aesthetics and durability of masonry.

Mr. Don Wakefield, P.E., Regional Director for the Structural Clay Products Institute was the final speaker on the Panel. He laid before the Industry three main tenets for success—1) Keep down costs—with a fair return to everyone. 2) Supply the existing market. 3) Create new markets and supply them. We must grow, he said, or die! To do this, manpower is vitally needed. In addition to apprenticeship training, Mr. Wakefield suggested better manpower utilization by using panelization, labor saving devices, cold weather construction. He cited specifically the 4" bearing wall panels measuring 26' x 6' placed by a crane in the wall of a high rise apartment structure. He also mentioned a number of labor saving devices available, and the importance of year-round construction. Mr. Wakefield feels that if Masonry heeds the warning, implementing the use of new methods and products, and holding down costs while training the much needed manpower—the Industry can not only survive, but break through and even retrieve some of the lost markets. Despite the "rose-colored glasses" approach of some of those in attendance, by and large, the Mason Industry faced up to unpalatable facts, and made a sincere effort to provide solutions. It can best be summed up as Don Wakefield did when he told his audience of the two ways to commit Industrial Suicide—

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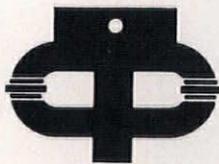


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WHAT'S IN AN ENTRANCE...



the
last
word:

The Professional Engineers in Government Practice Section of Colorado's Professional Engineers enjoyed dinner with their wives at Baur's Cherry Creek Restaurant on April 23. The guest speaker was Cadet Lieutenant Colonel, John Warner of the Air Force Academy.

The Tucson Chapter of the Construction Specifications Institute "painted" the town on March 24th. That is to say, their regular membership meeting was devoted to Paint with Mr. D. G. Cromwell of the Sinclair Paint Company doing the honors.

The ladies were also present at the February meeting of the WCARB in Salt Lake City (see John McHugh's report in this issue). They were Dea Boker, Colorado; Annabell Miller and Enid Hellman of Nevada; Janet Amundson and Betty Struble of Oregon; Mary Jane Bennett, Barbara Carson, Betty Decker and Pat Ericson of Washington and the Home-Town girls were Barbara Gustavson, Edna Nelson, Joyce Panushka, Venice Springmeyer and our own Nancy Carpenter.

The Utah Consulting Engineering firm of Coon, King and Knowlton have been awarded the contract for the design of a new sewer and treatment facility in Panaca, Nevada.

Twenty firms were represented on April 2nd when the Phoenix Chapter of the Producers Council held an informational Meeting at the Aztec Inn in Tucson. There was golf at Randolph Park in the morning, cocktails, dinner, etc. in the evening. From all reports—a great meeting!

Denver's Consulting Engineer—David E. Fleming has accepted a two-year appointment by the American Concrete Institute to serve as Chairman of its Committee 347—"Recommended Practice for Concrete Framework." Mr. Fleming assumed his chairmanship at the ACI Convention in Chicago held March 29-April 4. Mr. F. is a past-president of the P.E.C. and director of the CEC/Colorado. Laurels are in order!

It's Juarez in June (pronounced Hyune?) for the New Mexico Society of the AIA. On June 12-14, they will gather at the Camino Real for their annual Spring Conference. More to come on this, but the opening address will be delivered by AIA President, George Kassabaum, FAIA.

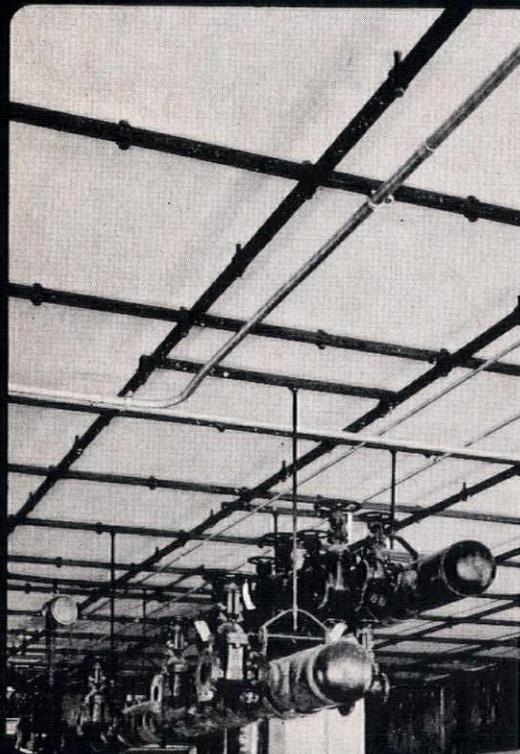
On April 14-15, the Montana Chapter/AIA presented a panel to the Montana School Administrators at their meeting in Helena. The entire Chapter was invited to attend.

On hand at the National Board Meeting for the American Institute of Architects in Saint Croix in early April—Western Mountain Region Director, Dean Sidney Little, FAIA, and his wonderful-wife, Kitty. That's nice work, if you can get it!

George B. Gudgell of Bush and Gudgell, Inc., Utah Consulting Engineering firm, has been appointed to serve on the National Program Committee of the American Society of Civil Engineers, Sanitary Engineering Division.

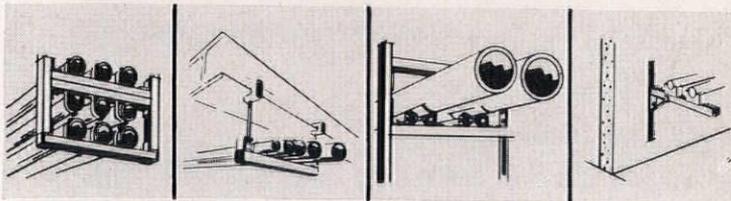
1970! Arizona's Southern Chapter of the AIA is really on the ball! Fred Jobusch, Tucson architect, has accepted the Chairmanship of the 19th Annual WMR Conference to be held in October, 1970 in Tucson. That is known as planning!

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Denver has been selected as one of five cities to participate in the nearly \$1.5 million program for designing and implementing improved center city transportation systems by the Federal D.O.T. Agency. Not a bad thought as Denver's Tramway gasps its last.

Call Engineering, Inc., Consulting Civil Engineers and Planners, Utah, have moved and may now be contacted at 15 East Oakland Avenue (2475 South) in Salt Lake City. The new telephone number is 487-0691.

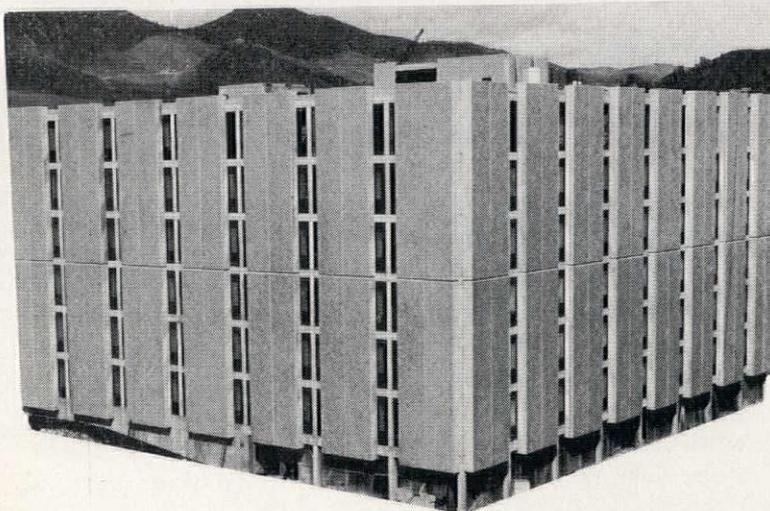
Two new associate architects have been named by the firm of Seracuse Lawler, Architects, in Denver. They are Harvey F. Jensen (B. Arch and Planning, University of Denver), and Bruce B. Dalton (B. Arch, University of Colorado). Both Mr. Jensen and Mr. Dalton have been with Seracuse Lawler since 1968.

Promoted to partnership—William R. Kimball with the Colorado Consulting Engineering firm of McFall and Konkel. A native of Boise, Idaho, Mr. Kimball is a graduate of the University of Denver—has been with McFall and Konkel since 1962. Congratulations are in order.

“The Rest of Our Lives”
Aspen Design Conference/’69

The 1969 Aspen Design Conference will be held June 15-20, and the theme selected is “The Rest of Our Lives” which will enable conferees to examine the “future design environment that is clearer and possibly less frightening for the fact of having been looked at and evaluated.” This—the 19th such annual International Conference will be under the direction of Co-Chairmen, Ivan Chermayeff and Henry Wolf. The tentative list of speakers will include architect, B. V. Doshi; George Nelson, FAIA, designer; R. O. Blechman, artist; designers Leo Lionni and Peter Knapp; the Reverend William Sloan Coffin, chaplain at Yale University and Dr. Frank Stanton, president of the Columbia Broadcasting System. Scientists, a surgeon, writers and poets will also be heard during the week-long Conference.

If you are interested in attending the 19th Annual Design Conference, registration forms may be obtained from “International Design Conference, Box 664 P, Aspen, Colorado 81611.”



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Industry Meets

Over forty (40) separate meetings are scheduled from 5:00 p.m. on Thursday, May 1st to 5:30 p.m. on May 5th, by the many segments of the plastering industry. This series of meetings is sponsored by the Contracting Plasterers' and Lathers' International Association whose president is Mr. Bill C. Carroll of Albuquerque, New Mexico. Topics to be discussed will include industry promotion, labor relations, diversification of the CPLIA and technical matters.

About 125 are expected to attend from over 14 national organizations including four international unions. Unions that will be represented are the Bricklayers', Masons' and Plasterers' International Union; the Laborers' International Union of North America; the Operative Plasterers' and Cement Masons' International Association and the Wood, Wire and Metal Lathers' International Union. In addition, such manufacturers' associations as the Gypsum Association, Metal Lath Association, Vermiculite Institute and the Portland Cement Association will be in attendance.

The full Board of Governors of the National Bureau for Lathing and Plas-



*Bill C. Carroll
President/CPLIA
Albuquerque, New Mexico*

tering will meet Friday, May 2, to discuss industry promotion. The CPLIA will hold a Board of Directors meeting, and the CPLIA Labor Liaison Committee has scheduled discussions with labor representatives present.

All of the scheduled events will take place at the new Antlers Hotel in Colorado Springs, Colorado.



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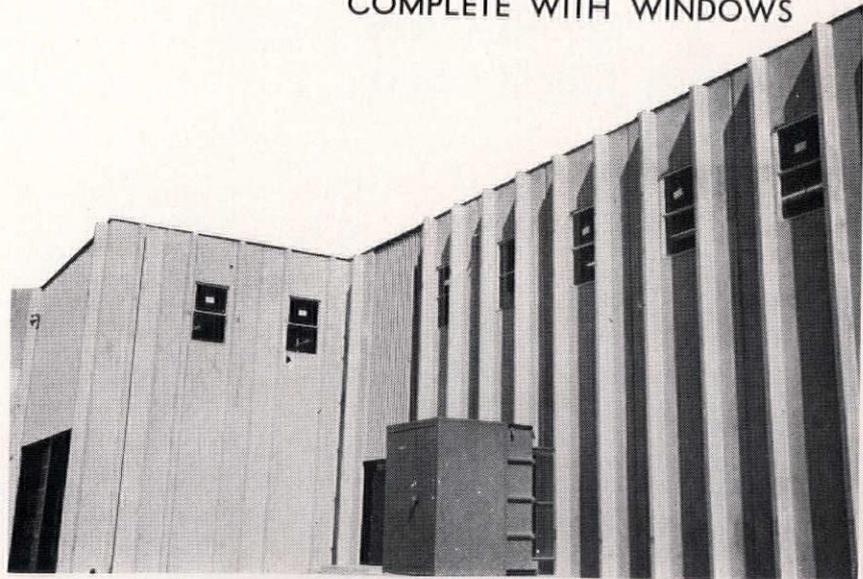
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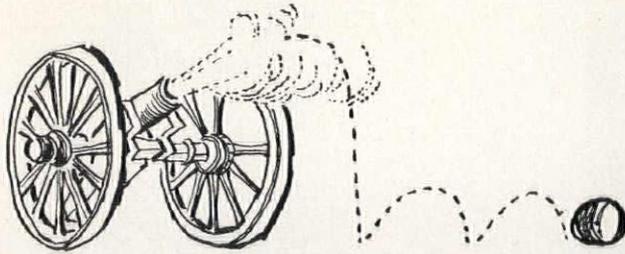


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a symposia salute



TO: Angus Vaughn McIver, FAIA-FASCE
Architect Emeritus
Great Falls, Montana

On March 28, 1969, members of the architecture/engineering/construction community of Montana paid tribute to Angus V. McIver, FAIA, FASCE. Sworn to secrecy, Symposia can only now fire the Salute which this Peer among Pioneers deserves so richly . . . and incidentally, can do no better than his Montana contemporaries have done so well in citing his many significant contributions to his profession—his State—and to his community.

Angus McIver was born in Great Falls in 1892. He attended Great Falls schools and went to the University of Michigan for architectural training.

Mac graduated in 1915 with a Bachelor Degree in Civil Engineering, with options in Design and Structures, but while still an undergraduate he worked as Designer for Hoad and Decker, Architects.

Also, while an undergraduate, he formed a partnership with two fellow students and by the time they earned

their degrees, the firm of McIver, Cohagen and Marshall was well established, (Marshall, now deceased, became Dean of the Michigan School of Architecture, and Cohagen is a retired architect in Billings.)

McIver and Cohagen formed a new partnership in Montana, but the war was underway and Mac became an Officer in the Horse Cavalry, chasing Pancho Villa up and down the Mexican Border and serving until the Armistice. To this day, he's an active horseman.

Returning to practice, Mac worked with the few other architects in Montana to establish a state registration act—one of the first in the nation—to establish an A.I.A. Chapter and to work for the building of a profession.

He served many years on the State Board of Architectural Examiners, was six times President of Montana Chapter A.I.A., served as Chairman of the A.I.A. National Judiciary Committee, and was Director of the A.I.A. Northwest Region from 1945 to 1947.

The Institute honored him for his many services to the profession by making him a Fellow of the A.I.A. in 1949. Mac took in two young associates in 1949, and in 1953 formed a new firm of McIver, Hess and Haugsjaa. Haugsjaa died in 1958, and the firm continues as McIver and Hess to this day.

Mac's office has turned out some fine buildings through the years—strong buildings answering the client's needs without problems—but he has had other interests as well. He has always been active in the Chamber of Commerce, Rotary, Elks, Masonic Bodies and Shrine, Presbyterian Church, Michigan Alumni, and the Meadowlark Country Club, and numerous community programs.

Now, Angus McIver is retiring, giving up the full time practice of Architecture, after 55 years. Mac is a man; he has led a rich, full life; the world is a better place for his efforts.

We salute him and wish him a long and happy retirement! And we, at Symposia, can only echo Montana. Huzzah—and a Salute indeed to a man of real worth to a worthy profession.

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symposia/about the cover

We have this month of May based our cover upon Le Corbusier's admonition to City Planners . . .

"I say: the basic materials of city planning are:

sun
sky
trees
steel
cement,

in that strict order of importance."

Legislation/The Summary

national

IT'S A NO! NO!

They probably think we're so tired, we won't notice. But, the Common Situs Picketing Bill is back, and this time around they didn't even bother to change the number. It's the same dreary bill, with the same dreary sponsor and the same dreary number—H.R. 100. It represents the same threat to the Industry. Don't let it slip by—it's the same Common Situs Wolf in the same old Night Cap. It's a no! no!

YES!

Senate Bill 1532 which has been introduced by Senator Edward J. Gurney (Rep.-Fla.) Designed to amend the National Labor Relations Act to prohibit union use of Product Boycotts. Write your Senators and Representatives . . . urge the passage of this measure . . . it is vital to the growth of our Industry.

arizona

Our report comes from Dick Arnold/

President of the Arizona Society of the AIA . . . "After a lot of effort by a few, and not nearly enough by all, we again lost our Statute of Limitations in the Legislature. After being passed out of the Senate and all House Committees, it died for lack of two votes on the House floor. A little bit more of several of us died with it, I assure you."

colorado

Good old 1044—Colorado's **Statute of Limitations** was finally passed on April 12—will probably be signed by the Governor without trouble. The General Contractors have been included and the time limit is 10 years. It was a tough fight, Ma, but we made it!

new mexico

Legislative Report

Bradley P. Kidder, FAIA, Santa Fe

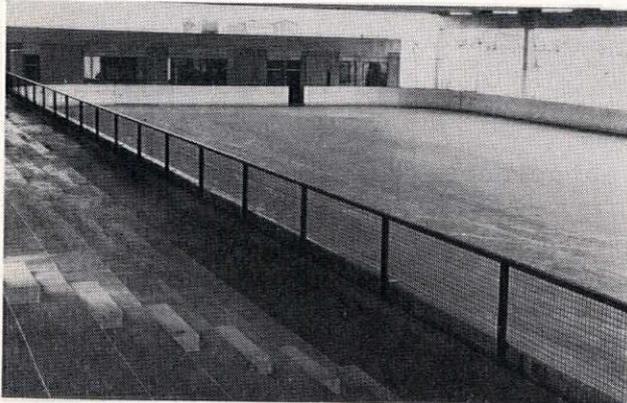
The 29th Legislature, the State of New Mexico, First Session—ended at 3:30 pm., Sunday, March 23—after the clock had been stopped at one minute

to 12 noon on Saturday, the official end of the session. Tempers flared—names were called and Memorials were passed condemning the University and urging the discharge of certain Instructors, and all in all there was enough damage done (politically) to offset much of the really good work that had been done in the first 58 days.

The Architectural profession and the Building industry didn't fare too badly from all the legislation passed—or defeated.

The Licensure Act which sought to combine all of the State Licensing Boards under one department didn't get beyond the first Committee. It died a very quiet death.

The Construction Industries Act was up for Revision and the Farmers and Ranchers successfully managed to prevent the Revisions to the Contractor Definition which would have included them, and certain Utility companies such as Railroads. House Bill 44 was killed in Committee, but HB 45, revising and relaxing the Powers of the Trade Boards was passed by both House and Senate and signed



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by the Governor on March 8—Will become effective June 18th.

Incidentally, HB 49 continued the Legislative Examining and Licensing Committee for another year—so we may yet get the C.I. Act revised to suit.

HB 109: Uniform Arbitration Act—Amended out of meaning—Defeated.

HB 162: Workmen's Compensation Benefits—Reconsider Motion, Defeated.

HB 262: Surety Bond Act—Passed—Good Bill on Sureties.

HB 324: Historical Sites & Monuments . . . too complicated . . . died on the Table.

HB 348: Contractor's Wages, Laborers—Passed House/Failed in Senate.

HB 345: Attempted to Classify Engineers—Killed in First Committee.

So, percentage-wise (out of 420 Bills) there was not too much concern shown for the Building Industry, and we did not get hurt. So much for the House. Now for the Senate where both the CIC and the architects have a number

of . . . well, let's say they are not "simpatico" senators. First, C.I.C.:

SB 8: Increasing the operating revenue of the Commission—passed Senate and House Committees, tabled after Financial Hearing then given an adverse report due to SB 327 which covered comparable financing. SB 327: Entered as a Dummy Bill and assigned to the Senate Financing Committee—not printed but read providing that all fees received by CIC revert to the General Fund (Does cramp the style of the 3 Trade Boards to some extent) Passed Senate . . . Passed House with amendments concurred by Senate and signed by Governor.

SB 10: Revision Definitions of Contractor . . . will make C.I. Act easier to interpret and enforce—passed by both houses—signed by Governor.

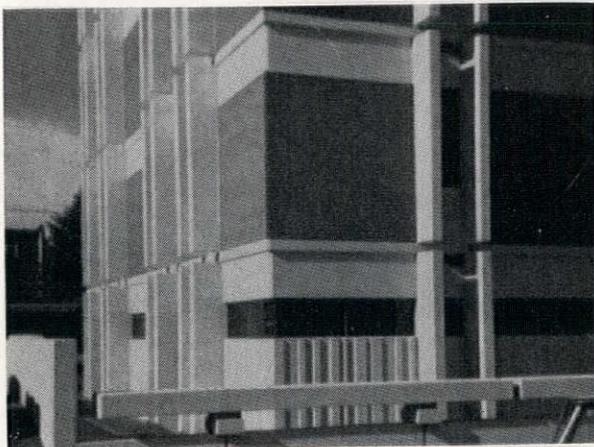
SB 118—Relating to Building Codes. Hit the floor and the newspapers together with a vitriolic tirade against the Administration of the General Construction Board. Bill reported out

without Recommendation—it lay on Senate President's Table and DIED with the Legislative Session.

SB 42, 68 and 126 were more or less duplicates of HB 109, 162 and 348—were dropped after adverse action was accorded the House Bills.

The Senate introduced 340 Bills, 10 Joint Resolutions, 18 Joint Memorials and 32 Senate Memorials such as Defining Luminarios vs Farolitas—Rotating the State High School Basketball Tournament and similar such momentous decisions.

Well, there you have it, the results of the 29th Legislature of New Mexico as it effects Architects, Engineers and the Building Industry. Out of 760 Bills . . . not too many affected us in any way. Naturally, I'm no political seer and do not know whether this was a Good Session or not, but the general feeling is that it was good for, at least, the first 58 days. So now, that's over for another year!



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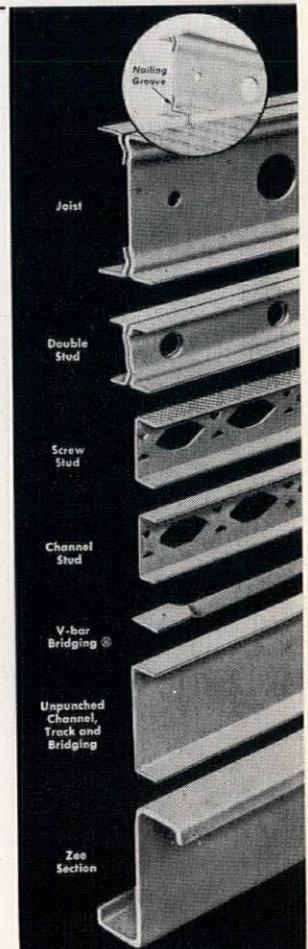
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Fantabulous!

*That's a headline? It's not even a word!
Old Roget wasn't equal to the task—and "fantabulous" describes the 18th
Annual Conference of the Western Mountain Region/A.I.A. perfectly!*



A crystal ball simply isn't necessary to forecast the 18th annual running of the WMR as the Convention Sweepstakes winner for 1969. Many factors contribute to this prophecy — none more important than the site itself . . . the Dunes Hotel and Country Club in Las Vegas, Nevada. Scheduled for November 9-14, A.I.A. members will luxuriate under warm desert skies, in the plush surroundings of this 1,000-room resort which has two giant swimming pools, a championship Emerald Green Golf course, gourmet dining and entertainment with a Continental flavor. Focal point of the Eighteenth will be the new Seahorse Terrace Room, designed by local Las Vegas architects, and containing 9,000 square feet of facilities.

Lenny Shafer, Convention Director of the Dunes Hotel and Country Club, says this new exhibit-display-meeting room and cocktail party area "will provide one of the most attractive business meeting rooms to be found anywhere." Linking the "Diamond of

the Dunes" tower to the Seahorse-Olympic wings, the new area overlooks the picturesque Seahorse swimming pool, and in the words of Mr. Shafer "stresses the kind of warmth and charm that makes a gathering of professional people a happy event rather than the usual rigid, disciplined business affair."

Fine meeting facilities are but a small part of the Dunes magnificent plant. A cursory exploration reveals such delights as the Sultan's Table Restaurant—named by the Diner's Club as the finest in America. The continental cuisine is "magnifique" and Arturo Romero and his 13 Magic Violins from Mexico City provide romantic dinner music. Two other Dunes "musts"—the Top O' The Strip and Dome of the Sea restaurants. In the

Dunes' famous Persian Room, there's "Vive Les Girls" direct from Paris and recently voted the best show in Las Vegas. Of course, the main showroom is the Casino de Paris which houses a French spectacular of the same name . . . with two nightly performances of this one hundred-person Frederic Apar production.

What a site for a convention! Strictly "fantabulous!"

Within this setting, Nevada architects under the direction of genial General Chairman Harris Sharp, are preparing a program to equal the Dunes itself. The 18th Western Mountain Regional Conference is a "must" on every A.I.A. calendar. Flip yours to November 9-14 right now and write in big red letters . . . THE DUNES, LAS VEGAS.

This is Number 1 in Symposia's official coverage of the 18th Annual Western Mountain Regional Conference of the American Institute of Architects.





Conference Chairman F. Marshall Boker speaking to Board Examiners at the Final Session on Saturday, February 22.



Left to right: Joyce and Donald Panushka of Salt Lake City, Utah; our author with faithful pipe in hand . . . John McHugh of Santa Fe, New Mexico, and Dea Boker, Indian Hills, Colorado.



Raymond Hellman, Reno, Nevada (back to camera), Barbara Gustavson, Salt Lake City, Utah (pretty well obscured), Edna and Willard Nelson from Provo, Utah—and doing the talking, Marion Lynn Vanlandingham, Phoenix, Arizona. (Do you suppose that's a fish he's describing?)

(It is always a pleasure to encounter Mr. John W. (Himself) McHugh in these pages whether he be "walking" through Connemara or factually and lucidly reporting the doings of the Western Conference of the Architectural Registration Boards. In the waning days of February, this august group met in Salt Lake City, Utah with Host Chapter events under the direction of our newest Editorial Board member, Mr. Ashley Carpenter, A.I.A. Through the very good offices of the Carpenter Team, the candida which accompany John's article were snapped for Symposia by Bob Coles, Editor/Photographer of Intermountain Contractor—a fine bit of inter-media cooperation not often found in publication circles. We are, of course, grateful to all those who make our coverage of this significant meeting possible . . . Bob Coles, the Carpenters and most particularly the inimitable Mr. McHugh).

Candida: Bob Coles

Annual Convention W. C. A. R. B. Salt Lake City, Utah

by John W. McHugh, A.I.A.

For two and one-half days in February, members of Architectural Examining Boards of twelve western states met in the old-fashioned elegance of Hotel Utah in Salt Lake City for the annual meeting of the Western Conference of State Architectural Registration Boards.

Under the artful chairmanship of Mr. **Marshall Boker** of Colorado the delegates debated, discussed, and otherwise worked hard indeed; and under the cheerful guidance of **Ashley Carpenter**, who acted as host for the Utah Board, they relaxed in lively and stimulating social affairs between the working sessions.

This august group of chaps is charged by their governors with protecting the public health, welfare, and safety of the citizens of their states by examining and assuring themselves of the qualifications of those seeking to practice architecture. They take their assignment seriously indeed and spend a great deal of professional time—without charge—in serving the public. Writing examinations is one of their jobs, and at this meeting they were brought up to date on the best methods and the latest techniques by a real, live, genuine expert: Mrs. Barton Malkiel of the Educational Testing Service of Princeton, N. J. After getting some useful pointers the separate examination committee met to develop material for the several examinations.

Mr. **Howard Blanchard**, who is President of the National Council of Architectural Registration Boards, addressed the meeting filling us in on the dynamic program which is developing both nationally and in the regions. He pointed out that architecture is currently in a state of rapid change and that we must act to prevent further

fragmentation of the profession. He called on First Vice President, Mr. Dean Gustavson of Salt Lake City who "bridged the communication gap" by giving us an outline of the program for the coming national convention to be held June 19-21 at the Palmer House in Chicago—separate Regional meetings, two days of philosophical consideration and discussion, and the final day of voting. Dean then gave us verbal interim reports from the most important action committees, and Mr. Worley Wong of California described progress being made in the field of international reciprocity. Very shortly, it seems, procedures will be completed for direct reciprocity with the United Kingdom; soon after that, arrangements will be put into final form with Mexico. Discussions with Canada are under way but progress there is expected to be a bit slower.

Gustavson then reported on a four-power meeting recently held with the A.I.A., the American Collegiate Schools of Architecture, and the National Architectural Accrediting Board to seek agreement on forward-looking procedures for education, internship, registration, (national) certification, continuing education, and re- (or de-) certification.

While our national examinations are a great step forward in establishing uniformly high standards for ease in interstate reciprocity, they are basically in the same classical subject matter and its divisions as they have been for the last thirty years. In those same thirty years we have experienced great changes both in the practice of architecture and in methods of education preparing for that practice. The examination is still technical rather than conceptual while the principal service provided by an architect is the reverse: i.e., conceptual rather than technical. We are seeking ways to develop meaningful examinations which are relevant to the profession of architecture as it really is today, in traditional private practice, in government, in education, in commerce, and even in such organizations as the Peace Corps.

Such serious discussions, studies, and plans for the future were interrupted one evening for a thoroughly delightful outing to Park City, Utah, an old mining town high in the mountains. It is far removed from Salt Lake, horizontally and vertically, and certainly architecturally. On either side of the narrow, twisting streets old buildings were huddled together and leaning against one another under a heavy eiderdown of snow (four feet deep) with tremendous icicles reaching from eave to ground. There were wood and stone buildings embellished with jigsaw scroll work, fish-scale shingles, turned spindles, coloured leaded glass, brackets, consoles, finials and other gee-gaws—a happy architectural gavotte. Even though one doubts that many of these buildings would meet the Uniform Building Code, the town made a charming Christmas-card-like picture with the snow and icicles sparkling under the street lights. After a pleasantly damp cocktail party and dinner we returned to Salt Lake about midnight. Our breakfast newspapers the next morning told us that one of the buildings we had admired the night before had collapsed under its weight of snow!

Three new members were elected to the Executive Committee and that body elected its officers with the following results:

Chairman..... John McHugh of New Mexico
 Vice Chairman..... Willard Nelson of Utah
 Secretary-Treasurer..... Richard Eddy of Washington
 Member..... Dean Unger of California
 Member..... William Church of Oregon

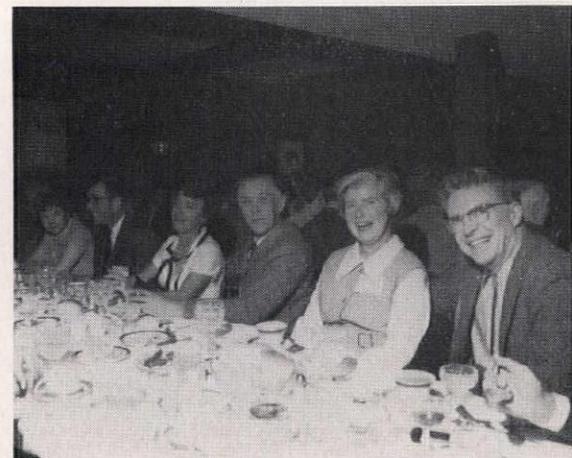
The next meeting of the Executive Committee was scheduled for some time between Sept. 15 and Oct. 10, 1969, in Santa Fe; and the time and place for the next Convention of the Conference were set as April 16-18, 1970, in Boise, Idaho.



Left to right: Dea and Marsh Boker of Indian Hills, Colorado, and Dean Unger of Sacramento, California.



Left to right: Howard Effinger, Executive Secretary, Board of Architectural Examiners, Sacramento, California; J. Dewey Harnish, Ontario, California; F. Marshall Boker, Colorado, Chairman Western Conference; Judith Malkiel, Educational Testing Service, Test Development Division, Princeton, New Jersey; Richard H. Eddy/AIA, Secretary of Conference, Olympia, Washington.



Raymond and Enid Hellman, Reno, Nevada; Jack and Annabell Miller, Las Vegas, Nevada, and Bob and Bernice Springmeyer, Salt Lake City, Utah.

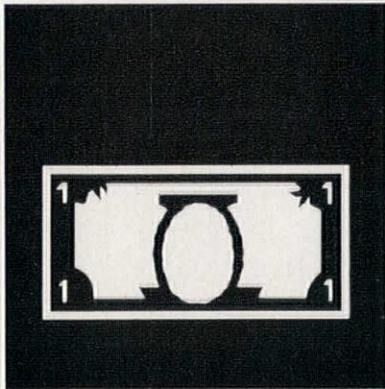
Dream - and/or - Reality



SKYLINE|DENVER . . . two years later

"Let us turn our backs on fantasy and Utopia both and confront reality."
Patrick J. Quinn—Landscape Magazine, 1962

Each May it is our custom to evaluate Denver's Urban Renewal program tagged "Skyline," and endorsed by the electorate on May 6, 1967. J. Robert Cameron, Executive Director of Denver's Urban Renewal Authority, writing in April of this year said . . . "We have never forgotten that the people of Denver supported Skyline on a 3 to 1 vote and that DURA has a definite responsibility and mandate to carry out the project in the best possible manner." How well DURA is carrying through this mandate will become clearer as we summarize two years of progress.



MONEY

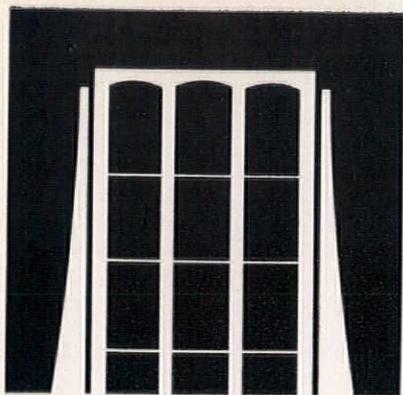
*"City planning is a way of MAKING money,
City planning is not a way of spending money,
City planning brings in a profit,
City planning is not a waste of money."*
Le Corbusier—"The Radiant City"

With Denver's Currigan Convention Center complete and open for business, the city has delivered its down payment—the one-third share of the \$40 million Skyline Project. Bill Muchow, FAIA, of Denver has given the city a big, gutsy building of weathering steel, superbly topped by a prismatic space frame. Perhaps it is not a great building, but akin to much of Mr. Muchow's design, it is magnificently planned and engineered to "do the job." It will work! We would suggest that critiques should be withheld until landscaping is at least put in place . . . as we go to press the surrounding area looks much like the DMZ.

To date, DURA has purchased approximately \$8 million in land, or about 25% of the total land to be acquired in the lower downtown area. The first sale has been made—Block 26 (see map) to a joint venture by the Del E. Webb Corporation and the Prudential Insurance Company of America . . . the price: \$1,170,400. Another such large

transaction could be made within the next 60 to 90 days. The best "money" news goes to the taxpayer . . . Block 26 which now nets slightly less than \$41,000 to the City and County of Denver will, upon completion of redevelopment, bring in more than ten times that amount in taxes. When asked what rising costs could do to DURA funds, Mr. Cameron was reasonably optimistic. In the Authority's original cost estimate, substantial money was "plowed in" as a contingency against this rising market. "We will know better where we stand," said Mr. C., "when the first big demolition contracts are let." (Projected for about May 1—with four blocks to be leveled.)

Certainly, credit must be given to Cameron and the Authority for the decision to "set" the price on redevelopment land rather than to ask for bids which often push prices beyond reality . . . delaying construction and creating what Mr. Cameron himself terms — "Hiroshima Flats."



THE BUILDINGS

"It is not necessary to invent a new architecture every Monday morning."

Mies van der Rohe

Only rough schematics are available at this time on the Webb-Prudential development scheduled for September ground-breaking on Block 26. The design will come from the architectural firm of Flatow, Moore, Bryan and Fairburn of Albuquerque, New Mexico, which has served the Webb Corporation in this capacity for some time.

All criteria set down by DURA and developed by the Authority's design consultants, Hatami/Tanaka Associates, have been more than adequately met . . . this includes a building setback of fifty-five feet on the 16th Street frontage, underground parking facilities, building height on the one-half block fronting 16th Street not to exceed one hundred feet in height (this will be much less), and provision for 40% of the area for landscaped open space. The Webb-Prudential development projects a twenty-two story office building at 17th and Curtis with the first two floors containing lobby and commercial rental areas—the retail and commercial development on 16th Street will be arranged around the open spaces and will be two and three

stories in height with bridges to be built, in the future, connecting the plaza level with developments on the surrounding blocks in the Skyline area.

As Skyline begins to develop, thoughtful citizens are asking whether the land usage projected in the original planning will be realized. It was this usage, explained Bob Cameron, that probably tipped the scale in favor of the Webb-Prudential project on Block 26. Everyone is "encouraged" by the fact that five redevelopment proposals were received by the Authority for Block 26 alone, and that the over-all quality was unusually high. Said Cameron—"We think they will be back." Other proposals included a major hotel, office and retail structures, a theater and hotel or luxury apartment building.

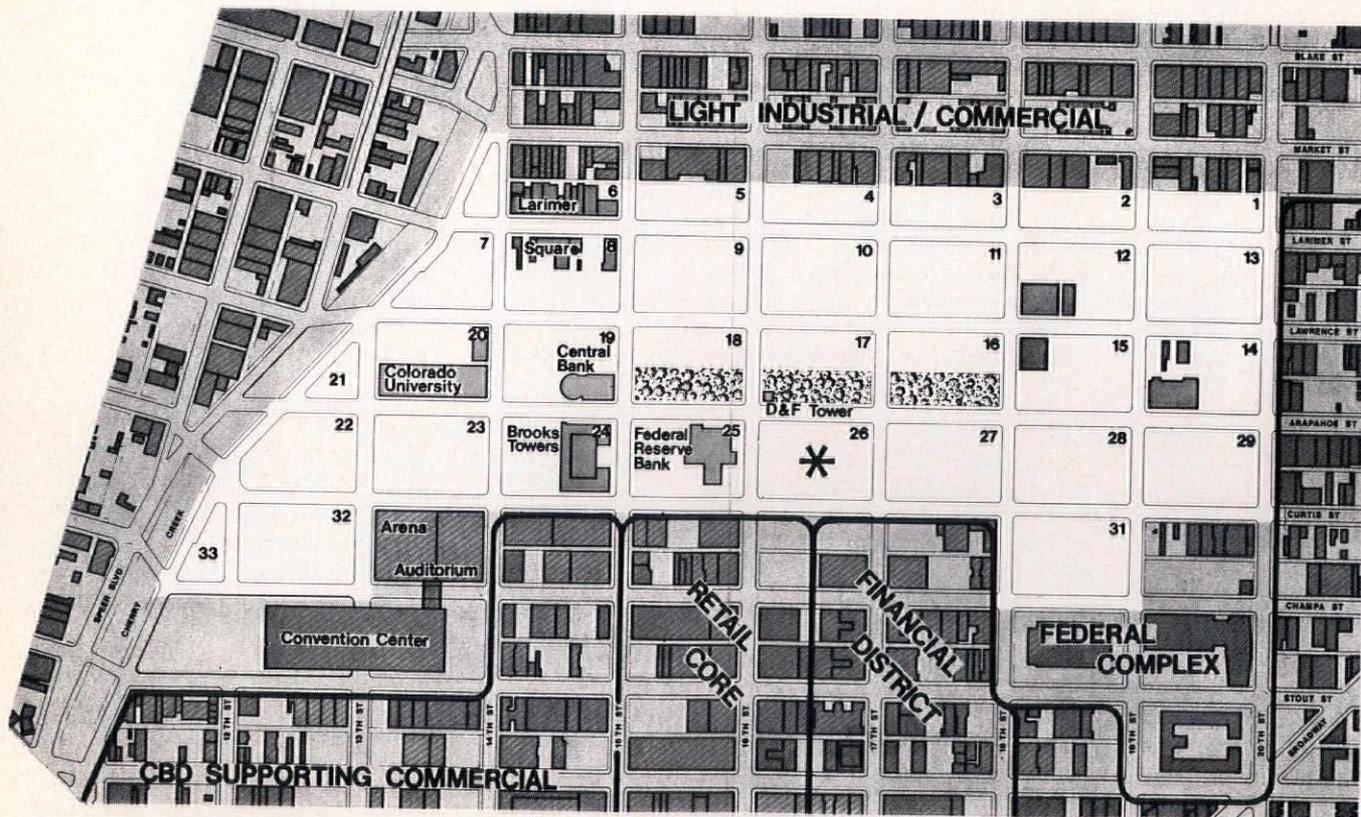
As expected, there is a renewal of enthusiasm for land development adjacent to Skyline. Early this month, the Colorado National Bank, owners of the block 16th to 17th, Curtis to Champa street, announced that demolition work will be started almost immediately on the last remaining building (outside of the Bank itself) on this site, and that design plans for a new office building are being drawn by the Detroit firm of Minoru, Yamasaki and Associates. No DURA ground rules prevail here—we "gotta take what they give us"—may we hope that setbacks and parking and open space will be included.

THE TOWER

"Planting rose bushes is not enough."

Stephen Kliment at the WMR Conference, 1968

At the very outset of the Skyline Project the old Italian-inspired campanile of the Daniels and Fisher tower was selected as the symbol not just of the civic element but of the over-all plan itself. Mr. Cameron comments—"It has always been the intention of the Authority to save the D & F Tower, if possible. Interested developers have proposed a number of uses for this landmark—however, it may be difficult because of the costs involved. One proposal already submitted would require that DURA give



the Tower to the private developer at no cost to him. Others have made proposals which sound good, but to date, no one really has shown willingness to put his money where his mouth is."

This, then, we can shelve temporarily under the heading of "Crisis/Tomorrow."

Popular press comments regarding the Skyline Linear Park concept have not been "all sweetness and light." We would submit, however, that in today's wicked world, the consultants' decision is a wise one. A single block developed as a park within the urban area is an open invitation to internal corruption and only fringe use. The linear park serves a second purpose of creating a homogeneity—a place where people can walk going from one place to another—as well as a place for resting, sunning and girl watching. The most important single criteria set by the Authority is that every private developer in the area from 15th-18th Street—and from Curtis to the alley between Larimer and Market Streets, will be required to provide a minimum of 40% landscaped, open space area . . . an equivalent of more than 3½ blocks . . . which we would certainly submit as well above the average contribution to the downtown core area by the average developer—public or private!

The second important factor is the use of this open area since DURA can, in negotiations with redevelopers, specify the location of these spaces so that it may be blended into a harmonious and meaningful environment.

The action of the Denver Urban Renewal Authority in removing Block 18 from the Linear Park concept may make economic sense—it represents one of the most valuable single pieces of real estate in the entire Skyline area. It may all be true, as Mr. Cameron suggests, "Open area requirements are included in the portion of Block 18 immediately across from the Daniels and Fisher Tower. The results might be more exciting and esthetically pleasing than having a public park along Arapahoe Street." The Authority, of course, has a case—but is it a valid one? We will be living with this decision for—barring atomic disaster—a half a century. Hatami's original schematics placed the Tower one-third off center, an interesting asymmetrical arrangement. Removal of Block 18 places the Tower on a fringe. Unless the developer of Block 18 is willing to develop something of a private park of his own along Arapahoe Street, we may well lose one of downtown Denver's loveliest vistas embracing Cherry Creek and Saint Elizabeth's church. Perhaps we are, after all, in our usual American haste for progress and above all "results"—pushing the decisions. Maybe we should wait thirty minutes! Beyond the Creek in Auraria, a whole new concept of inner-core, higher education is being developed. What impact this campus will have upon Skyline is unplumbed—even on a conceptual level. This Auraria development is new . . . (see January "Symposia") . . . certainly significant. How about a moratorium on Block 18?

THE STREETS

To be sung (or caterwauled) to the tune of . . . "Where, Oh Where Has My Little Dog Gone."

"Oh where, oh where has the parking all gone?

Oh where, oh where can it be . . . ?

We have nowhere to go—above or below

We're united—my auto and me!!"

When Peter Blake wrote "God's Own Junkyard" (which incidentally should be included in every secondary level school curriculum), he began his introduction in this way—"This book is not written in anger. It is written in fury—though not, I trust, in blind fury. It is a deliberate attack upon all those who have already befouled a large

portion of this country for private gain, and are engaged in befouling the rest."

With a loud huzzah for Mr. Blake, let us get down to cases!

We are watching them go — one by one — inexorably —inescapably . . . the great cities of the world, literally choked to death by their own traffic. Most of our cities within the Rocky Mountain West will meet this same fate if we do not now—and that means NOW—develop a Metropolitan approach to the mass transit problem. Denver is a midget in the megalopolis classification, but midgets strangle as easily as giants—and for the same reason. The Denver Tramway Corporation managed very well when we were 250,000 in population, in those halcyon years before it took three cars in every garage to highway-lift three people to their separate appointments. The population explosion isn't in it with Detroit.

This is the first—the initial great despairing cry—of the city . . . transport! And say what you will about the status of the "two" or even "three-car" economy, there is not a family in America who would not welcome—and support—a better way of getting from here to there without the taxes, and the insurance and the upkeep of all those beautiful "babies" coming off the automobile assembly lines.

If Metro Transit is our first problem—parking is easily our second Excedrin headache.

In February, the Skyline Urban Renewal Authority proposed to Denver's Mayor McNichols and to the City Council that the city pledge its parking meter receipts as a guarantee on a 25-year, \$9.68 million bond issue to build two municipal off-street parking facilities in Skyline. One would be a three-story parking structure above ground to serve the City's theatre-Convention Hall Complex—the other, a two-story underground facility beneath Skyline Park.

Admonishing the city for a lack of foresight over a year ago, Architect Bill Muchow, FAIA, termed his now completed Convention Center "obsolete" without parking for at least 4,000 automobiles. In 1969 we have a whole new category of "black-hat" villains—and in true Western tradition they have "Little Nell" nailed to the railroad tracks. The owners of the nondescript "Frontier Hotel" which faces the Denver Auditorium in Block 23 of Skyline (scheduled for a parking facility), retained the legal services of City Councilman Hensel to protest the Authority's ability to purchase this property. City Council—by a close vote to be sure—went along with Hensel's plea, and Pandora's Box is open!

In almost no time at all, there have been other pleas for "exception" ("exclusion") to the Skyline Program—and all seem to be as "valid" as that presented by the Privately Retained Counsel . . . Mr. Hensel, who further is elected to serve a constituency in Denver's City Council. (Why is it the term "conflict of interest" seems so apropos?) We asked Robert Cameron one question—

"Who is the final governing authority on what will happen in Denver's "Skyline Project?"

His answer:

"Denver's City Council."

Does that conceivably mean that an aroused citizenry could bring about a better environment?

SUMMATION

"The inscription on Sir Christopher Wren's tomb in St. Paul's Cathedral contains the famous words: 'If thou seek his monument, look about thee.'

"God forbid that this should ever become our epitaph . . ."

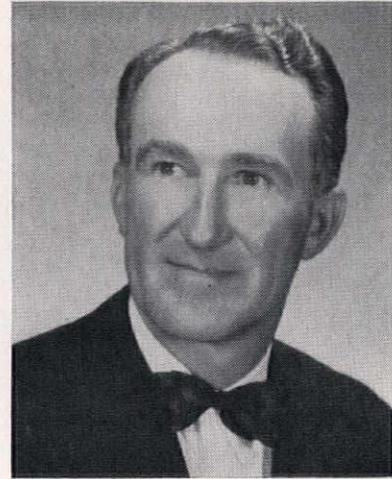
Peter Blake—"God's Own Junkyard."



THE GRAND NATIONALS



Art V. Maxwell, President
Consulting Engineers Council



Malcolm Meurer, Secretary-Treasurer
Consulting Engineers Council

Consulting Engineers Council/U.S.A. 13th Annual Convention—May 12-15 Las Vegas, Nevada

The Consulting Engineers Council/U.S.A. will kick off the 1969 National Convention lineup as they gather at Del Webb's beautiful Sahara Hotel in Las Vegas, Nevada, for their 13th annual gathering. The program will examine the problems of the Consulting Engineers in depth, members will preview the new CEC movie, Engineering Excellence Awards will be made, and there will be a full range of commercial exhibits displaying the latest products and equipment of interest to the Consulting Engineers of America.

A summary of the program planned is as follows:

Monday and Tuesday/May 12, 13: Board of Directors meetings—all members are urged to attend.

Tuesday/May 13: Del Webb hosts a gala reception for all registrants.

Wednesday/May 14: Each registrant will have the option of attending two of the round table presentations scheduled for the morning hours. Nine topics will be discussed—

- 1) "Automation and Systems Engineering; Challenges and Solutions for the Consulting Profession."
- 2) "Cost Control and Accounting to Improve Profit Margins."
- 3) "Federal Influence: Control Through Fiat and Regulation."
- 4) "Job Scheduling to Improve Cash Flow, Financing and Fee Collection."
- 5) "Joint Ventures, Mergers, Changes in Corporate Structure."
- 6) "Public Relations and Advertising."
- 7) "Role of the Engineer in the Design Team and the Public Image of the Consultant."
- 8) "Staff Educations and Training and Salary Schedules."
- 9) "Unions: Their Effect on the Profession and the Professional."

Wednesday/May 14: Noon: The 1969 Engineering Excel-

lence Awards will be announced at the luncheon. Some 75 projects have been entered in the final competition, including survivors of the preliminary judging and those receiving awards in coordinated contests conducted by the various member state associations of the Consulting Engineers Council:

Wednesday/May 14: The program on Wednesday afternoon will include presentations on:

"Liability Insurance and the Loss Abatement Program."
"Competition"—i.e.: Government, Turnkey, Utilities, etc.
"Bidding"

And a panel discussion is scheduled on "Fee Schedules."

Thursday/May 15. On Thursday morning, reports will be given to registrants on the problems and solutions discussed previously at the Round Tables on Wednesday morning. There will also be a speaker on the "Management Action Program."

Thursday/May 15—The Evening Program: The Annual Reception and Dinner Dance will have a plus factor . . . the premiere of the new C.E.C. movie titled, "The Universe and Other Things."

And, of course, the Ladies

A special Hospitality Room in Don the Beachcomber's Restaurant overlooking the swimming pool will serve as a focal point for those of the feminine persuasion. Open Monday through Friday with Continental Breakfasts available . . . the room will have bridge tables, cards, score pads, stationery and reading materials. On Monday, the ladies will meet for luncheon followed by a National Park Service presentation on scenic national parks in the Southwest. On Tuesday, the Good Shepherd Home tour will be open showing some of the most interesting and unusual Las Vegas homes to the ladies participating. On Wednesday, the luncheon will feature a fashion show of the latest in southwestern fashions. And, of course, there will be ample time for shopping and sightseeing on their own.

The National 13th Convention of the Consulting Engineers Council is of particular interest to the members of architecture/engineering/construction community of our Rocky Mountain Region. President of the CEC/USA for the year 1969-70 is Art V. Maxwell of Salt Lake City, Utah, and the

Secretary-Treasurer to be installed at Las Vegas, Nevada, is Malcolm Meurer of Denver, Colorado. Mr. Meurer will serve a two-year term in his capacity of Secretary-Treasurer to the national organization. So, let's hear it for the Home Team!



Construction Specifications Institute 13th Annual Convention/June 2-4 Houston, Texas

Arrangements have been finalized for the largest and most comprehensive of all conventions held by The Construction Specifications Institute. Over 2,000 Institute members and their ladies are expected in Houston where nine speakers from seven countries will discuss facets of existing industrialized systems in prominent use throughout the world. A 250-booth exhibition is the largest in the Institute's history. Program for the 1969 "International Conference on Industrialized Construction" is as follows:

Sunday, June 1: Optional Early Bird Tour

From 10:30 a.m.-1:30 p.m., Early Birders will tour "The Astrodome," Houston's Eighth Wonder of the World. Luncheon will be served at the Astrodome Hotel.

6:30-8:30 p.m.: Convention Mixer at the Shamrock Hilton.

Monday, June 2: Beginning at 9:00 a.m., the First Formal Session of the Conference, which will be held in Jesse Jones Hall. Following opening ceremonies and Awards Presentations, the **Keynote** will be delivered by **Mr. Robert E. Platts**.

Mr. Platts is president of Scanada Consultants Ltd., Ottawa, Ontario, Canada. He has been associated with the Canadian National Research Council, and has engaged in technical and economic design and feasibility research with industries in Canadian housing prefabrication and with stressed-skin housing.

Following the exhibit viewing and luncheon, conferees will reassemble in Room 201 at Houston's Civic Center at 2:00 p.m.

They will hear first from **Mr. Erik Skogby**.

Mr. Skogby, Chief Engineer for the Building Enterprise of Ohlsson and Skarne AB, Stockholm, Sweden, is today responsible for a yearly production of about \$20 million. He has participated in investigation, particularly under the administration of the National Board of Building and Planning.

At 3:00 p.m. the speaker will be **M. Gerard Blachere** in Room 107.

Mr. Blachere is the Director Centre Scientifique et Technique Du Batiment, Paris, France. A leader in European Construction, he is the founder of the European Union for Agreement in Construction, President of the Executive Council of the International Council for Building Research Studies and Documentation and President of the Association for the Employment of Plastic in Buildings as well as many other groups. He is the author of "Savoir Batir" and "Toward an Urban Thinking."

Following exhibit viewing, transportation will leave from both the Shamrock Hilton and Marriott Motor Hotels beginning at 6:30 p.m. for the Host Chapter Party at the Regal Ranch.

Tuesday, June 3: A Complimentary Continental Breakfast will be served from 7:00-7:50 a.m. in Room 114, Civic Cen-

ter. Formal sessions will begin at 8:00 a.m. in Room 107. The first speaker will be **Professor Vladimir Cervenka**.

Professor Cervenka currently serves as Vice President of the International Council for Building Research Studies and Documentation. He has been Professor at the Building Department of the Technical University in Prague since 1962, and is the author of many publications on the topic of industrialized building.

At 9:00 in Room 201, the speaker will be **Mr. John A. Dawson**.

Mr. Dawson serves the Canadian Government in Ottawa and is concerned with economic measures for increasing productivity and efficiency in the manufacture and use of building equipment accessories and materials. He is particularly knowledgeable in the fields of mechanical, electrical and civil engineering as related to heavy machinery, textiles, chemicals, building products manufacture and in the fields of atomic power generation and construction.

Mr. Luis M. Migone of Buenos Aires, Argentina, will speak at 10:00 a.m.

*Sr. Migone, a Civil Engineer, has engaged in the design, direction and building of apartment houses, hospitals and factories in his native country and is currently associated with Bouwcentrum Argentina as Technical Director. He has represented Argentina in various building congresses and seminars and is an accomplished lecturer and author. Following Luncheon, Exhibit Viewing and Prize Drawing, meetings will reconvene at 2:00 p.m. in Room 201 with the initial speaker, **Mr. J. W. Davidson**.*

John Wingate Davidson has been engaged in housing work for the Greater London Council Architects' Department since 1959, the world's largest local authority. Designer of the SFI industrialized system which employs steel frame and plastics, he is currently engaged in development for high-density schemes for central London. He was a significant contributor to both the 22nd Annual Conference of the Society of Plastic Industries in Washington, D.C., and the 23rd Congress of Steel Information Centers in Essen, Germany.

At 3:00 p.m. **Mr. Robert E. Platts**, the Keynote Speaker of the Conference, will moderate a **Panel Discussion** in Room 107 which will include all of the speakers present for the conference.

Wednesday, June 4: On this, the closing day of the conference, the United States will be represented by two outstanding speakers who will discuss the emerging use of the industrialized techniques of construction in this country. At 9:00 a.m. in Room 107 of the Civic Center in Houston, the speaker will be **Mr. H. King Graf**.

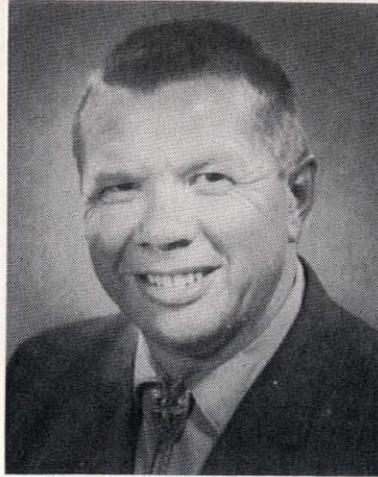
Mr. Graf is Executive Vice President for Management of the architectural firm of Hellmuth, Obata and Kassabaum

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Mr. Graf will be followed at 10:00 a.m. in Room 201 by **Mr. Gary Stonebraker**, President of the Advanced Planning Research Group, Inc., Washington, D.C./Chapel Hill, North Carolina.

An architect by formal education, Mr. Stonebraker has served as Director of Research for Building Systems Development, Inc., as Consultant to the Director for the Institute for Applied Technology at the National Bureau of Standards. He has written many articles concerned with the industrialized systems of construction.

The Music Hall at the Civic Center will be the site of the Annual Business meeting for members of the Construction Specifications Institute only with Officer Reports, Resolutions and Awards Presentations.

The 13th Annual will conclude on Wednesday evening with a very gala President's Reception in the Emerald Room of the Shamrock Hilton, with dinner and dancing to follow in the Regency Room.

The new officers for 1969-'70 who will be installed at the

Houston, Texas, Conference are Mr. Arthur W. Brown of Boston, Massachusetts, President; three Vice-Presidents, who are Ben F. Greenwood, FCSI, of Houston; Arthur J. Miller of Cincinnati, and Robert E. Vansant of Kansas City, Missouri. Richard C. Ehmann of Portland, Oregon has been elected Secretary, and Charles R. Carroll, Jr., FCSI, of Oyster Bay, Long Island, will continue as Treasurer. Our newly-elected Region 10 Director is Symposia Editorial Board Member, **Mr. Robert J. Schmidt**, Albuquerque, New Mexico, who replaces Symposia Editorial Board Member, **Mr. Walter Scott** of Salt Lake City, Utah. Both Region 11 Director, Mr. John Kuremsky of San Jose, California, and Western Section Director, Mr. George Petty of Phoenix, Arizona, will continue to serve during 1969-'70. Although the International Conference in Houston this early June is only the 13th for the Construction Specifications Institute, it actually marks the Institute's 21st birthday—its "coming of age," if you will. Founded in 1948, C.S.I. today has over 11,000 members in 107 chapters throughout the United States—a technical society which encompasses members from all phases of the construction industry. Certainly the International Conference on Industrialized Construction in Houston promises to be the most exciting conference ever held by this fine organization.

Keller to Keynote Colorado CSI/PC Specifications Seminar

Harold Keller, FCSI

The well-known and equally well-liked Harold Keller, FCSI, immediate past-president of the Construction Specifications Institute, will be in Denver on May 1 to highlight the 1969 "short course" on Construction Specifications. A joint venture of the Rocky Mountain Chapter of the Producers' Council and the Denver Chapter of the Institute presents a continuous program—3:00 p.m. to 10:00 p.m. on this Thursday at the Continental Denver, Valley Highway and Speer Boulevard.

Three workshops during the afternoon feature outstanding speakers, round table discussions in small groups and questions and answers.

3:00 p.m.: **LAW AND LIABILITY**—Speaker: Bob McGlone of Frye, Broun, Thorpe and McGlone, Brokers of Continental Casualty Company. (Post Script: This could save your legal hide!)

4:00 p.m.: **SPECIFICATIONS — WHO NEEDS THEM?**—Speaker: Henry B. Baume, FCSI of the firm of Baume & Polivnick and past national president of C.S.I.

5:00 p.m.: **PROCEDURE MANUAL** — Speaker: Maxwell Saul, past president of both CSI and AIA. He will discuss this boon to architects, contractors and suppliers in the Rocky Mountain Area.

Following cocktails and dinner, Mr. Harold Keller, FCSI, who is himself a prominent specifications consultant, will keynote the meeting—his topic: **SPECIFICATIONS SYSTEMS AND SERVICE—AFTER 1969—WHAT?**

Anyone who has anything to do with the writing or administration of specifications will find this seminar invaluable. The nominal cost of \$7.00 includes cocktails and dinner! A buy! Edward Towbin, 1115 Grant Street Annex, Denver, is in charge of registration.

symposia/a continuing study the construction industry cost spiral

(Initiated in September of 1968, this Symposia feature has popped in and out of our pages as material was available. These articles have dealt principally with the assorted woes of the Contractor . . . both General and Sub . . . as he has wrestled with soaring labor and material costs and with his own position at the bargaining table. His lot, all agree, is not a happy one. There is, however, another side to this somewhat tarnished coin which we would like to discuss this time around. Since he represents the Ultimate Decision—let us consult the Design Professional—the Man in the Middle.)

THE ULTIMATE DECISION

The Architect and his Engineering Consultants have been sharpening a lot of pencils for lo these many moons in a somewhat vain endeavor to equate construction's spiraling costs with the owner's desire for a good building . . . adequate to his needs and to esthetic criteria.

As prime interest rates have inched inexorably upward in the past 36 months, owners are demanding still another element—the optimum in construction time. Architect Roland Wilson, for example, warned Colorado's Mason Contractors at their recent convention that construction speed can tip the scale in the decision of materials selected for a project. With construction money today at 8%-8½%, an owner can save something in the neighborhood of \$21,000 on a \$1 million building by simply trimming six months off the construction time . . . and you can bet your sweet bippy, owners are interested in that neighborhood.

In conducting our informal investigation, we've turned up some interesting sidelights on the architect's approach to spiraling construction costs. They present a diversity of solutions, but a universal concern.

"When I first began the practice of architecture—" one architect told us, "I designed things IN to a building. Today, I'm designing things OUT." It might be well for many segments of the Industry to find just what architects and engineers are designing OUT of the buildings on the drawing boards today.

"The last time I specified wooden doors and frames in a project," this same architect stated, "We had nothing but trouble with the field labor on

the job. So why should I specify a headache—I'll specify steel."

"Sheet metal work in our area," said one mechanical engineer, "Has become a luxury. There are a lot of jobs where we can use fiber glass or pre-cast ductwork—and we're doing it."

"The owner on a job site is really pleased when a big prefabricated unit moves on to the project. Here is something ready to install without a lot of field labor problems," stated another supervising architect. "It might even cost a little more than on-site assembly, but it looks like progress—and this not only makes the owner happy, but saves a lot of aspirin."

"We endeavor wherever possible," said the head of a large architectural/engineering firm, "To negotiate our contracts. We prefer to be extremely selective—to pre-qualify—and to work with a General we can trust implicitly to determine on a construction budget which is feasible to all concerned."

"In other words," we asked, "You would rather not put out a job for bid?"

"That is correct. Our feeling is that we as architects and engineers, by working early with the General Contractor, are able to afford the owner a better solution to the problems of the rising costs of both materials and labor."

"It is not really a question," said another architect, "of designing **In** or **Out**—it is simply a selective use of products and materials which enable the architect as the specifier to provide a specific and better solution to the problems presented by that particular project."

What is the hang-up?

Pretty obvious—and being answered in the only way the design professional has in his arsenal. After all, his is the **ULTIMATE DECISION**.

We would submit that there is no longer the luxury of choice.

For the owner: He must build well—he must build quickly.

For the Design Professional: He must first serve his client by specifications which bring him the most, at the least, and in optimum time.

For the General Contractor: He must fulfill specifications, order construction and maintain the pace.

For the Sub-Contractor: He must fully cooperate to bring the job in on the estimate, and within the time.

For the Union: A mature understanding that the individual can be replaced by the machine—we are in the waning years of the 20th Century and new Technology is upon us.

Throughout the history of the construction industry, we find that when costs become insupportable, when material or manpower is in short supply, good old Yankee ingenuity goes to work. The need has always been matched by the idea. A breakdown in the plastering trades brought us dry wall—wrought iron pipe has been replaced by copper—and now by plastic—there will be replacements for sheet metal, for brick, for carpentry if field labor prices continue to spiral.

No one is more aware of the increasing pressures upon the conventional modes of construction than the design professional. As the team leader, he is chiefly responsible to the owner—his is the ultimate decision. He must choose and choose wisely to insure his own survival.



FOR: The New Lumber Standard

by: O. James Barr, CSI
(Weyerhaeuser Company)

Once again, Architects, Engineers, Builders, Distributors and Producers are being asked by the United States Department of Commerce to vote on a new National Lumber Standard. It represents a gigantic accomplishment on the part of the A.L.S. (American Lumber Standards) Committee in reconciling the differences of all groups for the good of the American public. For the first time, even major producing groups are in full support of the new proposal. These include:

- California Redwood Association
- Southern Pine Association
- West Coast Lumber Inspection Bureau
- Northeastern Lumber Manufacturers Association
- Western Wood Products Association
- National Forest Products Association
- National Lumber Dealers Association
- Red Cedar Bureau
- Western Red Cedar Lumber Association
- Fir and Hemlock Door Association

With the unification of the lumber producers behind the current proposal, the long struggle to improve lumber standards should at last end in acceptance. There was no doubt at all that other segments of the building industry were ready for it in 1966 when essentially the same proposal was made.

For example, 93% of the "users" surveyed in 1966 were in favor of the new standard. The user group includes the design professions and builders. Here are comments from them:

"As a consumer group that uses about 80% of the framing lumber, we wholeheartedly support the proposed A.L.S. revision. The new standard establishes an equitable basis for green and dry lumber and provides sizes that are best suited to home-building for both design and economy."

***National Association of Homebuilders.**

"These are workable sizes for the architect. The dry sizes make full use of wood's structural capabilities, and are compatible with the proposed green sizes. They will encourage the continued use of wood." ***American Institute of Architects.**

All other groups surveyed in 1966 showed similar strong support of the new standard. Manufacturers (millwork plants, box factories, furniture, etc.), voted 77% in favor. Distributors (wholesalers and dealers) voted 75% affirmative. Despite these highly favorable percentages however, the Commerce Department considered only the "user" vote as a true "consensus." Just how this consensus was determined remains a mystery, but obviously an even higher favorable vote is needed from manufacturers and distributors. Encouragement from the "users," architects and builders might lift the manufacturer and distributor groups to a "consensus" level.

Just what does the New Standard do?

It proposes the following:

I. National Grading Rules for all softwood lumber regardless of species of geographical origin.

II. Simpler Sizes for design purposes. The dry net sizes will involve fractions no smaller than one-quarter inch, and multiples thereof.

III. Mandatory Grading stamped on each piece to facilitate jobsite inspection.

IV. Related Sizes for lumber surfaced "green" and lumber surfaced "dry," so that when green lumber dries on the job, it will reach almost exactly the same net size as lumber dried in the factory.

V. Assignment of Reliable Stress Values to all species, on a nationwide basis, instead of a wide variety determined by many regional agencies.

VI. Use of Actual Sizes, rather than nominal, or in addition to nominal sizes, on invoices.

VIII. Clear Marking of Non-Standard Sizes.

The changes will simplify the specification of lumber and inspection of lumber on the job. They will consolidate stress values into fewer categories and make them easier to use, and they will encourage greater production of factory-dried lumber, by removing a size penalty effective under the old standards.

Probably the most revolutionary change is the proposal of a single National Grading Rule for all softwood dimensions. Historically, each regional grading agency has jealously guarded its individual rules-writing autonomy. The result has been a hodge-podge of rules covering the same item. Grades and stresses for a single species varied depending on whose rules were followed.

One result of this has been the over-specification of grades by architects. Most specs call for straight "Construction" grade for all framing, even though "Standard" or even "Utility" are satisfactory for many framing jobs. With the variety of grading rules, the architect has solved his confusion by specifying only the best, to the detriment of his client and the efficient use of an already scarce national resource. Recent price increases have been caused by an excess of demand over supply, caused primarily by a housing construction rate of 1.5 million units in 1968. The average construction rate over the next ten years is targeted at 2.6 million units per year. Only the most efficient use of all lumber grades can make the attainment of these goals even remotely possible. Certainly the best known facet of the new proposal is the one relating to moisture content. The subject of "1½" Dry" lumber has been discussed for years. Actually, however, the new size proposals will apply to thicknesses up to 5" and widths to 12" nominal. Proposed sizes are:

Nominal	Surfaced Green	(19% max.) Surfaced Dry
1	25/32	¾
2	1 9/16	1½
3	2 9/16	2½
4	3 9/16	3½
5	4¾	4½
6	5¾	5½
8	7½	7¼
10	9½	9¼
12	11½	11¼

Since the green lumber will shrink on the job to approximately the same sizes as the dry lumber, it appears logical (and easier) to draw dry sizes into all plans and use them for all dimensions. Also, since no part of our country

is so wet that the Moisture Equilibrium Point exceeds 19% for lumber in use, it seems logical to assume that all parts of the USA will demand dry lumber, and that before too many years, most dimension producers will be manufacturing only dry lumber for domestic use. Both conclusions support the use of dry sizes only in present plans. Notice in the above table, that dry 2" will be surfaced at 1½" instead of 1¾" as required by SPR 16-53, the old A.L.S. standard. This saving of ¼" is about 8%. Dry lumber is stronger than green, however, so span tables for dry are close to old green tables. Lumber is available in 2-foot multiples 10', 12', 14', 16', 18', 20', etc., and when available lengths are considered there will be no effective change in spans. The saving of wood fiber will help ap-

preciably to stretch the supply of lumber. Even in green sizes, the reduction of 4% from 1¾" to 1 9/16" is a worthwhile economy.

Many years of work have gone into the preparation of the A.L.S. proposals. The advantages are obvious and agreed to by all groups using lumber. Despite this, lethargy could deprive us of the advantages we all seek. The Commerce Department requires overwhelming support, not just a two-thirds majority.

The ballot will take just one minute of your time. The value received will last for years. As a member of the lumber industry for nearly 25 years—I urge each man who receives a ballot to mark it promptly, and return it as a vote FOR the New Lumber Standard.

AWARDS COMPETITION AIA/SCPI Awards Program

A new Awards Program is being initiated this year of 1969, under the joint auspices of the Structural Clay Products Institute and the Colorado Society of the American Institute of Architects. A mailing is presently being planned to all architects within Colorado to include the criteria for an initial submission which will be in the form of a loose-leaf portfolio to be furnished by S. C. P. I. A group of nationally recognized Judges will form a Jury to select a number of finalists, and Jury members will be brought to the Colorado area for actual viewing of the buildings themselves to determine an Awards Winner. Plans being projected by Dean DeVon Carlson of the University of Colorado, who is president of the Colorado Central Chapter of the American Institute of Architects and by Don Wakefield, P. E., Regional Director of the Structural Clay Products Institute, indicate that this will be one of the most significant Awards programs in our Region. Awards will be made to both the Architect and to the Owner of the Project.



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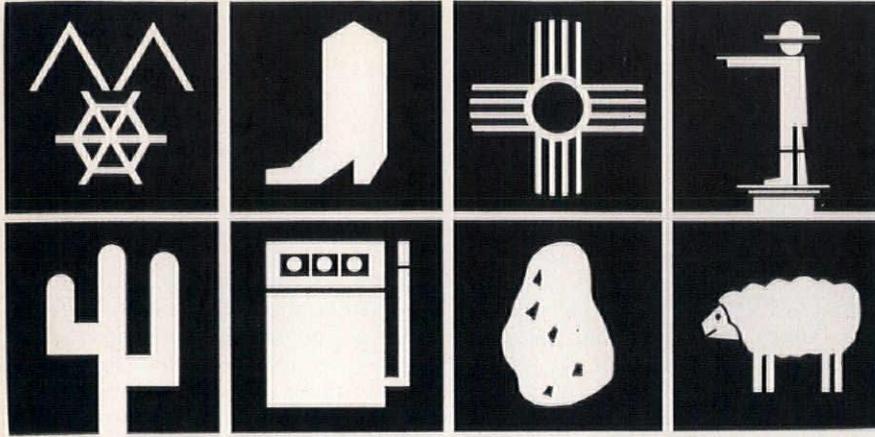
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Bravo! Walling!

It was singularly refreshing to read Craig D. Walling, Jr.'s letter addressed to Mr. Richard Munske who edits the CSI "Specifier" . . . and printed in the March issue of "Cactus Comments." Mr. W. in quite simple terms "blew his cool" in his Open Letter to the 72 C.S.I. Chapters without Technical Assignments. His point is well taken—We, " " in part: "Gentlemen: What in the hell are you doing? We are a technical society and as such the production of technical information is intended to be our primary reason for existence. If you belong to CSI and aren't working on a technical assignment, what are you doing? Do you assemble monthly to exchange the social amenities, to smoke "pot" or to discuss the technical work of a society you contribute nothing to?"

By way of conclusion, Mr. Walling writes, "All CSI Chapters seem to have technical Chairmen, but those who have no technical assignments could well change the title to "Social Chairman." I hope many of you respond to this challenge and get on the list of technical assignments or tell me what is wrong with being an active Chapter Technical Chairman." Mr. Walling can certainly point with pride to one published Green Sheet; three Studies submitted and awaiting review and nine original Studies in progress plus a Pink Sheet study submitted by another chapter for comment . . . all the work of an active Phoenix Chapter.

It's a good idea to call a spade a spade, at least occasionally, and Craig Walling has certainly done that . . . and Bravo!

Border Beautification

F. J. MacDonald, ASLA/CSI of Phoenix who serves as Chairman of the Governor's Commission on Arizona

Beauty has been named as State Coordinator of the Border Beautification and Friendship Day Project sponsored by the United States-Mexico Commission for Border Development and Friendship. Mr. Mac has named the following planning committee for the program which took place on April 19th: Chairmen: Dennis McCarthy of Phoenix; Mrs. George A. Bideaux, Tucson; Ed Cavallo of Douglas; Mrs. John C. Moore, Nogales; Mrs. Clayton E. Niles and Harvey Tate of Tucson; Edward L. Starr of Nogales and Robert Whitaker, Phoenix.

Engineers Meet

One of the outstanding engineering events of the year was held at the Pioneer International Hotel in Tucson on April 24-26 when the Tucson post of the Society of American Military Engineers sponsored the Western Regional Conference. The all-day conference on the 25th featured speakers, Sidney B. Brinkerhoff, Director of the Arizona Pioneer's Historical Society; Lieutenant Colonel B. C. Hughs, Corps of Engineers, U. S. Army and R. P. Kelley, Vice-President of the Ralph M. Parsons Company. The afternoon panel discussion was on the topic of "Future Western Development." The keynote speaker at the evening banquet was Lieutenant General Jack Cotton, Commander of the 15th Air Force, S.A.C. His subject was "The Air Force Role in the Development of the Western States."

Table-Topper Scheduled

For the first time in some six years, the Phoenix Chapter of the Producers' Council has scheduled a Table Top Display Meeting. It will be held at the Saddleback Inn in Phoenix, and will begin at 4:30 p.m. on May 26th. In addition to a viewing of the latest "tools of construction," there will be hors d'oeuvres, cocktails and assort-

ed goodies. On April 28th, new officers were elected at the regular business meeting. Too late of course, for our May issue . . . so we'll welcome these new PC leaders in June.

Tucson Architects Look Back

A series of most interesting programs has been presented this Spring to members of the Southern Chapter of the American Institute of Architects. With some of the Old Pros in charge, they have gone back in time to inspect their architectural heritage. A review of building and the architectural history of Tucson from the turn of the century to 1930 was conducted by M. H. Starkweather, FAIA and E. D. Herreras. At the Chapter meeting in May, the story will be continued . . . 1930-1950 by Arthur Brown and Richard A. Morse. Mr. M., of course, is Secretary for the Western Mountain Region.

colorado

Industrial Meeting Set

The National Bureau of Standards will present Rocky Mountain area-based industrial firms with a fine opportunity to discuss the state of the art of advanced technology on May 5-6 at a meeting sponsored by the University of Colorado, the Federation of Rocky Mountain States and the Office of State Technical Services. The NBS conference will be held at the Brown Palace Hotel in Denver and at the National Bureau of Standards Facility in Boulder. Invited to attend are the senior executives of more than 300 organizations specializing in aerospace, electronics and scientific work in Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah and Wyoming (the Symposia Region). The conference will identify current expertise, data sources, technical resources and facilities and will explore opportunities for wider application and use of technology developed at NBS. Additional information may be obtained by writing the Office of University-Industry Relations, either Ron Lemon or Rudy Hampf, 306 Regent Hall, University of Colorado, Boulder, Colorado 80302.

C.S.I. and the LADIES!

The meeting announcements of the respective organizations involved were really chuckle materials as members of Denver's Women in Construction and the Construction Specifications Institute got together on April 16th at the Ranch Manor. Said WICS . . . "a very special meeting because there are going to be lots of M-E-N there" . . . Said CSI "Scope"—

"WOW!"

This temporary truce in the "battle of the sexes" brought together two organizations highly concerned with Colorado's current "sticky" labor problem. The Panel Topic: "Unions in Construction" was in the capable hands of Bruce Gillis, Regional Attorney for NLRB; Robert Good, Attorney and Jay Shiflet of the Carpenters Union. As we go to press—the final panel member is as yet, unknown.

Also unknown—just how hot the discussion on this topic can become. It's potentialities are somewhat steamy!

Committees Named

Duane R. Waldo who serves as Secretary for the Colorado South Chapter of the A.I.A. has kindly passed along the names of these willing workers who have accepted Committee assignments for 1969. They are: Governmental and Urban Affairs — Chairman: Gordon Ingraham—Members: Charles Byerly, William Henriksen, DeRos Hogue, Dewey Dearing and H. Marty Parrot; Relations with Building Industry — Chairman: Douglas Palmer, Jr.—Members: J. R. Clothier, Ralph Fowler, John Hurtig, Duane Engle, Alfred W. Grant and Terry Strong; Membership — Chairman: William Page — Members: Charles Englund, W. H. Petersilie, Edwin Truthan, Carlisle Guy, Frank Roberts and Duane Waldo; Program — Co-Chairman: Michael Collins and Don Higginbotham—Members: Wayne Cooper, Sam Sparks, Charles Choi and Don Vail; Public Relations—Co-Chairmen: Dietz Lusk and L. B. Roberts—Members: J. Michael Lane, W. H. Wyson, James Gardner, John Merrill and James Young; Exhibits—Chairman: Cliff Nakata — Members: Robert Muir, John Hurtig, Harry Pierceall, Grant Wilson, Robert Berry, Eivind Nilsen, James J. Wallace, Jr. and the Task Force Committee on Building Codes is chaired by Walter Burgess with Douglas Palmer, Jr. as

the other member.

Duane also reports their March 19th meeting held at the Stockyards Steak House in Colorado Springs included an excellent speaker — Mr. Myron Wood, a professional photographer, presented a color slide program titled —"The Photographer and the Architect."

Jones and Baker "Down-Under"

It was April in Adelaide (South Australia, that is) and two members of the Associated Building Contractors of Colorado were a "fur-piece" from the Rocky Mountains. Designated as official U.S. representatives of the AGC, Mr. E. B. Jones (A. A. and E. B. Jones Company of Denver) and Mr. B. H. Baker (B. H. Baker, Inc. of Colorado Springs) attended the 9th Convention of the International Federation of Asian and Western Pacific Contractors Associations held this year in Australia. Members of the Federation attending the sessions came from all sorts of glamorous places with "strange sounding names" like Hong Kong, Japan, Korea, Laos, Free China, Federated Malaya, New Zealand, the Philippines, Singapore, South Vietnam, Thailand, India and, of course, Australia. Mr. Baker served as President of the ABC of Colorado in 1966, and Mr. Jones (Symposia Editorial Board Member) in 1967. Both men have always been very active in Association affairs and they will, upon their return, report back to home base with all the news of the international discussions and techniques of Construction.

Winkel Joins Technical Services

Vernon S. Winkel, a principal in his own firm of Consulting Engineers, has joined the Technical Service Company as chief of structural engineering. A 1951 graduate of the University of Colorado, Mr. Winkel has done work at both C.U. and Wichita University in Structural En-

gineering. He is licensed in Colorado, Kansas, Wyoming, Iowa, Nebraska and Illinois. During his years in private practice, he was responsible for the structural engineering design on several hundred buildings including Colorado Ice and Cold Storage, Piper hangar at Stapleton, the Hyatt House and Larimer Square.

Public Works Scholarship

The Colorado/Southern Wyoming Chapter of the American Public Works Association is offering the \$300 James J. Murray Memorial Scholarship to any full time undergraduate student at any Colorado or Southern Wyoming University or College. The applicant must be interested in a Public Works career and submit a report based on research into some phase of public works. Applications for this scholarship are due June 1, with the theses deadline set for August 15. Applications and more information are available from School Counselors or address APWA Scholarship Chairman, Howard B. Browning, Director of Public Works, City of Westminster, 3031 West 76th Avenue, Westminster, Colorado 80030.

A.S.A.—New Officers

At hand, not only the info on the new officers of Colorado's Architectural Secretaries Association, but a copy of their newsletter for April 1. It's titled SWEN (ha! betcha didn't know that's news backwards) and right on page one is that most urbane of architects-about-town, Mr. Langdon Morris. Lang was the ASA's featured speaker in April. The new officers for '69-'70 for this up-and-coming group: Atha Lavalett (F. Lamar Kelsey), President; Jo Haller (Mutchow & Associates), Vice President; Sue Yandura (Collins & Roberts), Secretary and the Treasurer is Rita Fries (Hornbein and White). Board members include: Claire Anderson (Brelsford, Childress, Paulin), Betty Molitoris (Hobart Wagener) and Barbara Light (Colorado A.I.A.) The little lady we hear from often is Gerry Simmons (Bourn and Dulaney) and of course, their most charming prexy . . . Atha, the Colorado Springs cutie.

montana

M.S.U.—A Busy Place

The Department of Architecture at Montana State University in Bozeman is humming with activity these days. From March 31 through April 12, 31 black and white photographs were on display delineating, in depth, Le Corbusier's Chapel, Notre Dame du Haut at Ronchamp. A Seminar on

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Radiation Shielding was held on April 25-26 presented by a team from the United States Public Health Service. It was designed to teach the physics of X-Ray Shielding and consideration of shielding design.

From: Our Man in Montana

Ye Ed's letters from Editorial Board Member, Cal Hoiland in Great Falls are really too great to hoard—may we share with you a little of this one:

"Late again with this 'pre-Tenth' Montana report. Sorry. Considered sending only a quote—'Silence is as full of wisdom as an unheven piece of marble is full of masterpieces'—but was afraid you'd recall my press card."

"About 100 attended the McIver dinner, from all over the state and including Mac's old friend, Howard Lease, contractor from Seattle. Good party with builder Dick Mitchell as M.C., builder Sal Leigland as Narrator, architect Ralph Cushing with Testimonials, and the whole bunch enjoyed the prime rib and fellowship."

"New members—for the next 4 years—of the Montana State Board of Architectural Examiners are Vincent Werner (Great Falls) Raymond Thon (Kalispell) and Wilbur Bennington (Billings).

"You think you have trouble in the publishing business.

Girl, you don't know what trouble is. Our Legislature finally went home, but before they did they passed the following bill: 'As used in the Constitution and Laws of the State of Montana, printing is the act of reproducing a design on a surface by any process.'

This is the actual and complete wording of a new law!

Wait 'til the militant printers union organizes my draftsmen, typists and the blueprinter.

Me for walking on the Waikiki sand. Spring has come to Montana—Come see us when you can."

A letter like that makes you glad you've got a mailbox.

nevada

Architects/Engineers Plan Together

There is certainly nothing more gratifying to Symposia than to hear that still another group in our much-too-fragmented Industry is getting together. Such was the happy news from Walter Zick, our Man in Nevada, when he reported this past month—"We feel we have made considerable progress because we are now, for the first time, arranging to have an Architect-Engineer dinner meeting, including the wives, for the sake of having a better understanding among ourselves. We have further resolved that we will agree to discuss our mutual problems before legislation of any kind is undertaken."

There is so much common ground between design professionals, and indeed, between all segments of the Industry, it is, of course, high time! However—Laurels are due Nevada for taking this first, GIANT step!

new mexico

"Toujours Gai"

The Alumni and Friends of the Department of Architecture at the University of New Mexico have just proved that don marquis' "mehitable" was wonderfully right—"there is life in the old gal yet!" Challenged by

students of the Architectural Department to a basketball duel, the "oldies" beat the "kids" by a close one: 45-42. All this took place on March 31, and after the game, students, alumni and Friends betook themselves to Student AIA Prexy John Johnson's home for further discussion and/or beer. An informal and pleasant association between students and pro's is seen developing here—a great relationship—and more such events are being planned for the future.

Editorial Board Member, Joe Boehning concluded his report with a real goodie: "The students must not have known how good I am (at basketball) because they held me to 6 points!" Toujours gai, Joe.

Petty in Albuquerque

At the regular April meeting of the Albuquerque Chapter, C.S.I. members welcomed Western Section Director, George Petty (Monarch Tile) of Phoenix, Arizona. This was the first time since the Chapter's inception, that George has been able to attend a regular meeting, and highlighted one of the main topics of discussion—the advisability of dividing the Western Section of the Institute. During his tenure in office, Mr. Petty has had to be responsible for Regions 10-11-12, which covers a lot of real estate, and it's practically impossible for a Section Director to get around the 11 continental Western United States (this also represents quite a piece of change in traveling expenses.) CSI members were urged to comment on this problem by directing their opinions to the three Region Directors and to Mr. Petty in Phoenix . . . (copies to all, a la the Feds).

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The main part of the program was the presentation of a preliminary technical study on Precast/Prestressed Concrete with J. Ronald Ferreri in charge. He and his panel made a fine presentation with a great deal of exchange in the question and answer period on tolerances, finishes, opening and legal and professional responsibilities. Writes new Region 10 Director, Robert J. Schmidt (Editorial Advisory Board)—“The study appears to fulfill a real requirement, and, after modification based on the current dialogue, the revised study should be quite helpful to the Industry in our area. I say, “our area” because the Institute would not give us an assignment on this subject so it will not, at present, be a potential green sheet.”

AIA/School Boards Meet

A closer relationship between architects and school administrators is everywhere evident throughout our Rocky Mountain region. We are particularly pleased to note that the New Mexico School Board Association has come up with an idea of real merit. They are sponsoring a series of four “Workshops for Newly Elected Board Members” to be held throughout the state. The workshop program includes a one hour presentation by various architects on the relationship between Architect and School Board. Under discussion are such vital topics as the fee schedule, how to select an architect, contracts, responsibilities, etc. Joe Boehning, AIA/CSI (Editorial Board) and George Wright (see George’s Las Vegas, New Mexico school in Febru-

ary/Symposia) made a presentation in Gallup recently. Joe tells us that although the attendance was a little light, both he and George felt their presentation was well received by School Board people.

Training Building Dedicated

An open house dedicating the new training building completed by the New Mexico Building Branch, AGC, was held April 14 in Albuquerque.

The new building was completed for the building branch by Bradbury & Stamm Construction Company. It will be leased to the Construction Industry Advancement Program (CAP) for its classes in apprenticeship training and safety.

Invited to the Open House were the Albuquerque city commissioners, representatives of the labor unions participating in the CAP programs, technical-vocational school representatives, members of the building branch, and contributors to the CAP Fund.

Utah

Curtis Says “Thank You”

David Curtis, the 1968-'69 President of the Consulting Engineers Council/Utah cited many members of this organization for the fine cooperation rendered during his term of office. We think it is no more than “proper and fitting” that these laurels be given a wider distribution of acknowledgement than within Mr. C's own home organization. CEC/U. President Curtis writes . . . “I want to thank all the members who have

served on Committees and the Chairmen who have worked so hard to make this year a success. Just to name a few: **Arnold Coon** worked many hours on the Legislative Committee; **Cy Bates** of the Ethical Practices Committee; **Bill Brown**, Chairman of our Fees Committee; **Rodney Preator**, Chairman of the Education Committee; **Al Anderson** who did a wonderful job of assembling displays for our booth at the Civic Center; **Hooper Knowlton** and his Committee on Special Awards for Engineering Week; **George Gudgell** and his Committee on Balancing; **Larry Alsop** and his Committee on AGC Liaison, and to **Gene Nielsen** and his Nominating Committee. We would commend President Curtis for his thoughtfulness in acknowledging his Committee Members and accord him, his officers and his committees, a Symposia laurel for a great job—well done!

Architects Discuss In-House Problems

Allen E. Mecham, Chapter Legal Counsel of the Utah Chapter of the American Institute of Architects, was the principal speaker at the April 17th Dinner Meeting of the Utah Chapter held at the Garden Room of the Temple Square Hotel in Salt Lake City. The discussion covered several “sensitive” areas for design professionals—and covered incorporation of architectural firms, language to protect against third party suits and the new “hold harmless” law and indemnity insurance. All “nitty-gritty” problems which are well worth the time and trouble involved in exploring solutions.

Illumination Fundamentals Course Set by University

The College of Engineering and the Bureau of Continuation Education at the University of Colorado are offering a most unusual and intensive introductory course in the “Fundamentals of Illumination Engineering”—June 9-13—on the Boulder Campus. C.U. is the only university in the nation offering a Bachelor of Science degree in illumination and electrical systems through their College of Architectural Engineering. The week-long short course is designed to expand knowledge of basic lighting fundamentals and current design procedures, and demonstrations in the University’s modern lighting laboratory will supplement the lectures by Assistant Professor Ronald Helms, AIA/NSPE, developer of the fundamentals Short Course. Only 20 persons will be enrolled, allowing maximum individual attention, and preregistration material may be obtained from Continuation Education Bureau at the University. Consulting and design engineers as well as manufacturer’s representatives will find in this course an opportunity to broaden their basis of experience and knowledge, increasing the value of their services to both client and customer.

Course topics include: *Light and Vision—Color (Munsell,*

Ostwald, ICI)—Sources—Terms and Measurements—Numerical Methods (Zonal Cavity, Luminous Method, Point by Point)—Computer Utilization—and Applications.

Anyone desiring to strengthen his background in illumination engineering may attend the fundamentals course, and the tuition, including textbook, notebook and other course materials, is just \$75.00. Housing in the Residence Halls at the University will be available, and may include family members. Rates have not been established for the summer of 1969, but are most reasonable.

The important date to remember is May 16 which is the preregistration deadline. Only 20 persons will be accepted; so if you are interested in this week-long intensive course in the Fundamentals of Illumination Engineering, you are urged to contact the University of Colorado—“muy pronto.” Registration and distribution of materials is scheduled for 8:00 a.m., Monday, June 9, in the Engineering Center Room CE 1-4. When requesting preregistration information, ask for information concerning on-campus meals and housing, or if preferred, off-campus housing.

Address your queries to the Bureau of Continuation Education, 328 University Memorial Center, University of Colorado, Boulder, Colorado 80302.



A.I.A./C.E.C. Public Affairs Conference

Held March 19-20, in Washington, D. C., the Annual Public Affairs Conference brought together over five hundred members of the American Institute of Architects and the Consulting Engineers Council/USA. Design professionals heard a number of major policy statements made by both Capitol Hill legislators and members of the government. Key topics included the following:

• **Equal employment opportunity**—Vincent Macaluso of the Office of Contract Compliance, U. S. Department of Labor warned A/E's they must start training minorities and the disadvantaged if they are to be eligible for government work. While admitting the government had not previously concentrated on the professions in applying pressure for employment of minorities, Macaluso left no doubt that lack of affirmative action by architects and engineers would require his office to step in. He cited as exemplary, the technician training program for minorities undertaken by A/E's in California.

• **Product boycotts**—A subject of vital interest to the Design Professions (See Symposia "Elevation" March, 1969). Senator Edward J. Gurney (Rep.-Fla.), announced he has introduced legislation (S.1532) to amend the National Labor Relations Act to prohibit union use of product boycotts. He stated use of cost-reducing prefabricated components is the key to badly-needed new housing construction. Referring to the 1967 5-4 decision by the Supreme Court in the Philadelphia Door Case, the Senator said the action had "effectively chained the people of our building industry from forging ahead with new ideas and techniques." The Senator was assured the

strong support of architects and engineers to help bring about passage of the measure in Congress.

In his first major policy address, Undersecretary of Housing and Urban Development, Richard Van Dusen said use of new industrialized building systems and components could make housing boom . . . prefabricated materials used in several cities indicate great impact on the industry. Unions, he said, "are not apt to be as resistant to innovations if the market is big enough to sustain and expand employment." A/E's were urged by the Undersecretary to seek new and innovative ideas.

• **Urban Environment**—Representative John J. Rhodes (Rep.-Ariz.), said that while the government is dedicated to the careful management of its resources, it is committed to rebuilding a wholesome urban environment. . . . "Let me assure you," stated Rhodes, "the dollar value of construction programmed for our urban areas is very significant indeed. This commitment to rejuvenating our cities will place a heavy demand on the talents of architects and engineers."

Ohio Congressman Thomas L. Ashley proved particularly prophetic in chastising the government's lack of planning to meet the national housing goal of 26 million units. A few days following his address . . . architects, engineers and planners were conspicuously absent from those invited by Vice President Agnew to a meeting to discuss achievement of housing needs through new towns.

• **Rapid Transit — Airports** — Senator Jennings Randolph (Dem.-W.Va.), Chairman of the Senate Public Works Committee, said he will support separate national trust funds for airports

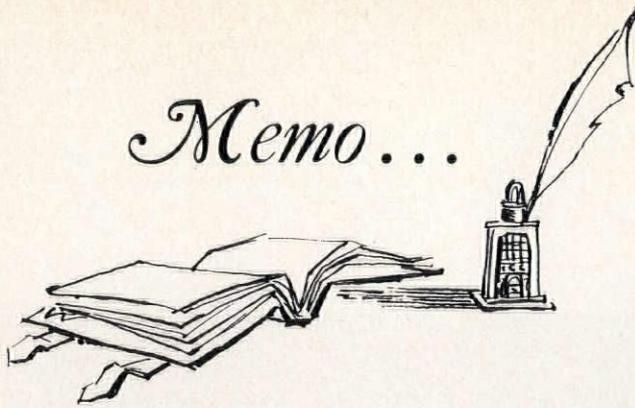
and rapid transit similar to the federal highway fund. Authorization, he stated, "will be given a highway program which will facilitate proper neighborhood growth and healthy economic development." He praised CEC for its interest and support of various public works proposals.

• **Government/A-E Contracting Procedures** — Representative Chet Holifield (Dem.-Calif.) urged establishment of a national commission to study fees paid by the government to architects and engineers—plus the reorganization of the \$50 billion-a-year procurement system. His bill (H.R. 474) is generally endorsed by CEC and AIA, but Congressman Holifield was careful to avoid committing himself on the question of whether A/E's should be required to submit price quotations with their professional proposals.

Gilbert A. Cuneo, well-known federal contracts expert, warned A/E conferees interested in government contracting—"Contracts are not enough, you must also be familiar with each agency's regulations. It is also important to know the authority of the individual with whom you deal. In the government, there is always someone higher who can overrule a decision." Mr. Cuneo further pinpointed other trouble spots including underestimation of costs and change orders.

Available from C.E.C., 1155 15th Street N.W., Washington, D.C., 20005, a new publication co-authored by Mr. Cuneo. Published by the Committee on Federal Procurement of Architect-Engineers Services, the publication is titled "Contracting With the Federal Government: A Primer for Architects and Engineers"—the cost is \$6.00 per copy.

Memo...



(NOTE: Symposia brings you "Memo" each month as a "string around your finger" to help you remember those important dates in the architecture/engineering/construction community. We appreciate having full details . . . what, where and when, in our office by the 10th of the month preceding publication. Thank you all for your fine cooperation. Address meeting notices to SYMPOSIA, 4070 Estes Street, Wheat Ridge, Colorado 80033—to the attention of Florence Morrison.)

of regional interest

- MAY 1-5:** Industry meetings sponsored by the Contracting Plasterers' and Lathers' International Association including the Full Board of Governors of the National Bureau for Lathing and Plastering. Antlers Hotel/Colorado Springs, Colo.
- MAY 5-6:** National Bureau of Standards/Industrial meeting—"State of the Art of Advanced Technology"—Brown Palace Hotel, Denver, Colorado and National Bureau of Standards, Boulder, Colorado.
- MAY 12-15:** Consulting Engineers Council/USA—13th Annual Convention. Sahara Hotel, Las Vegas, Nevada.
- MAY 12-14:** Apartment Builder/Developer Conference and Exposition, Hilton Hotel, New York City, New York.
- MAY 25-27:** Illuminating Engineers Society/Regional Meeting, for Denver, Albuquerque, Phoenix, Salt Lake and El Paso Sections. Antlers Hotel, Colorado Springs, Colorado.

arizona

- MAY 5:** American Institute of Architects/Central Arizona Chapter Executive Board—4:00 p.m., Phoenix.
- MAY 6:** University of Arizona/A.I.A. Annual Awards Dinner, Tucson.
- MAY 12:** Construction Specifications Institute/Tucson Chapter—Board of Directors Meeting—Noon—Paulo's Restaurant.
- MAY 14:** Women in Construction/Tucson Chapter—Regular Membership Meeting. Telephone notification of time and place.
- MAY 14:** Construction Specifications Institute/Phoenix Chapter Board of Directors Meeting.
- MAY 15:** Arizona State University/American Institute of Architects Annual Awards Banquet—Dining Room of Manzanita Hall. Exhibit of Student Work in the Rotunda of the College of Law, Tempe, Arizona.
- MAY 20:** Construction Specifications Institute/Phoenix Chapter—Regular Membership Meeting. Social Hour: 6:00—Dinner: 7:00—Meeting: 8:00 p.m. Saddleback Inn (Reservations should be made with Joe Gabriel, Secretary—Telephone 275-4741).
- MAY 26:** Construction Specifications Institute/Tucson Chapter—General Membership Meeting. Cocktails: 6:30—Dinner: 7:30 p.m.—Redwood Gay Nineties.

MAY 26: Producers' Council/Phoenix Chapter—Table Top Display Meeting (Cocktails, hors d'oeuvres etc.) 4:30 p.m.—Saddleback Inn.

colorado

- MAY 1:** Construction Specification Institute/Producers Council Specifications Seminar—3:00 thru 10:00 p.m. Cocktails-Dinner—Continental Denver Hotel.
- MAY 1:** Colorado Association of Engineering Technicians. Regular Membership meeting. Dinner: 7:00—Meeting: 8:00 p.m. Engineers Club.
- MAY 6:** Consulting Engineers Council/Colorado. Directors 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 757-3379 before noon of previous day.)
- MAY 6:** Associated Building Contractors of Colorado, Inc., (AGC) Joint meeting—Sub Contractors in charge. Dinner meeting. Social period 6:30 p.m. Speaker, Bill Chenoweth. Brown Palace Hotel.
- MAY 7:** Association of Remodeling Contractors. Board of Directors meeting—6:30 p.m. Four Winds Motel, Denver.
- MAY 8:** Mechanical Contractors Association. Regular luncheon meeting—Noon. New Plumbing Showcase, 2727 W. 6th Avenue.
- MAY 8:** Colorado Pipe Trades Industry Program/Board of Trustees—4:00 p.m. New Plumbing Showcase.
- MAY 12:** Architectural Secretaries Association—Regular Monthly membership meeting.
- MAY 13:** Colorado Masonry Contractors Association. Contractor members only. Social hour: 6:30—Dinner: 7:00. Engineers Club Building.
- MAY 14:** Construction Specifications Institute/Denver Chapter—Regular monthly membership meeting—Program: "Systems." Cocktails: 6:00—Dinner: 6:30—Program: 7:30 p.m.—Spa Motor Inn, 930 Valley Highway.
- MAY 14:** American Institute of Architects/South Chapter. Regular Dinner Meeting 6:30. Place to be announced.
- MAY 20:** Construction Specifications Institute/Pikes Peak Chapter. Regular Membership Meeting—Cocktails: 6:00—Dinner: 7:00—Meeting place to be announced.
- MAY 21:** Women in Construction/Metropolitan Denver

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Denver Chapter

Chapter—Regular Membership Meeting. Cocktails: 6:00—Dinner: 6:30. Speaker, Lou Thurber of Colorado Pipe Trades Industry—Topic:—"The Vanishing Craftsman." Ranch Manor, 1490 S. Santa Fe Drive.

MAY 22: Mountain States Bureau for Lathing and Plastering. Board of Governors—10:00 p.m., 221 Santa Fe Drive.

MAY 27: Consulting Engineers Council/Colorado. Regular membership meeting. Cocktails: 5:30—Dinner: 6:30. Denver Press Club.

MAY 27: Construction Specifications Institute/Denver Chapter—Board Meeting—Noon—Engineers Club.

montana

MAY 16-17: American Institute of Architects—Annual Spring AIA-Student Joint Meeting. (Home of Montana State University) Bozeman.

new mexico

MAY 1: Construction Specifications Institute/Albuquerque Chapter Spec. School. Topic—Section 008—Proprietary Specification in Private Work—Proprietary Specification in Government Work. 4:00-6:00 p.m. Department of Architecture. University of New Mexico.

May 8: Construction Specifications Institute/Albuquerque Chapter Spec. School. Topic—Discussion of Division 2, 3, 4, 5, 6, 7, 8. 4:00-6:00 p.m. Department of Architecture, University of New Mexico.

MAY 8: American Institute of Architects/Santa Fe Chapter. Regular Membership Meeting—High Noon—The Forge.

MAY 9: Alumni and Friends of the University of New Mexico Department of Architecture—Student Awards Dinner & Program—Alvarado Hotel, Albuquerque.

MAY 12: Associated Building Contractors/New Mexico. Monthly membership meeting. Hosted by Pre-stressed Concrete Products, Frank Supply—Concrete Systems. Program by Portland Cement, Sunport, Albuquerque.

MAY 13: Construction Specifications Institute/Albuquerque Chapter Regular Membership Meeting. Happy hour 5:30—Dinner 6:30—Meeting 7:30 pm. Sundowner

Motel. (Note: any members in town on this date are cordially invited to join "the group.")

MAY 15: Construction Specifications Institute—Albuquerque Chapter. Spec. School/Topic—Discussion of Division 9, 10, 11, 12, 13, 14—4:00-6:00 p.m. Department of Architecture, University of New Mexico.

MAY 22: Consulting Engineers Council/New Mexico Chapter. Board of Directors meeting 11:30 a.m. General Membership: 12:00 noon. Luncheon. Eby's Restaurant, 6804 Menaul Boulevard N. E. (Across from Coronado Shopping Center, Albuquerque.)

MAY 22: Construction Specifications Institute/Albuquerque Chapter. Spec. School—Topic Discussion of Division 15, 16—Review of Course. 4:00-6:00 p.m. Department of Architecture, University of New Mexico.

MAY 29: Construction Specifications Institute/Albuquerque Chapter. Spec. School—Topic—Discussion of Course—Questions and Answers. 4:00-6:00 p.m. Department of Architecture, University of New Mexico.

utah

MAY 6: Construction Specifications Institute/Salt Lake City Chapter. Board Meeting.

MAY 12: Women in Construction/Salt Lake City Chapter. Bosses night—Willow Creek Country Club.

MAY 14: Consulting Engineers Council/Utah Executive Board Meeting: 11:30 a.m. Membership Meeting: Noon. Ambassador Club, Oak Room.

MAY 14: American Institute of Architects/Central Utah Chapter Luncheon Royal Inn, Provo, 12:15 p.m.

MAY 15: American Institute of Architects/Utah Chapter Membership meeting 12:15—Executive committee 1:30 p.m. University Club.

MAY 17: Utah Engineering Council—Regular Breakfast meeting 7:00 a.m. Holiday Inn, Salt Lake City.

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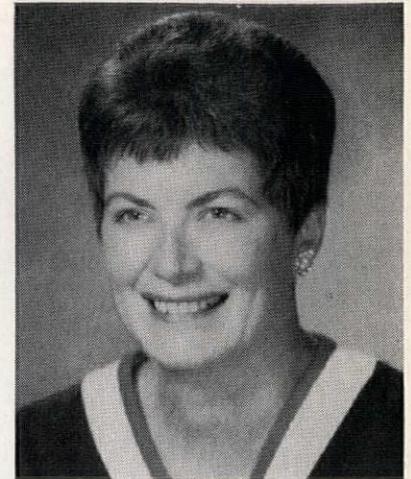
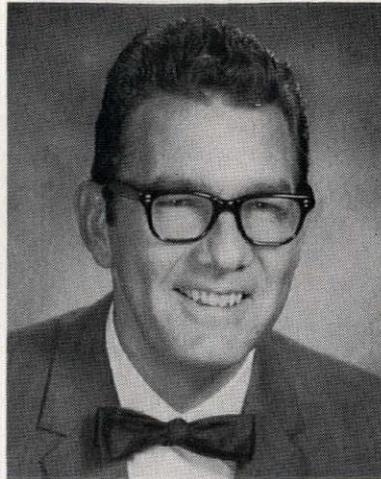
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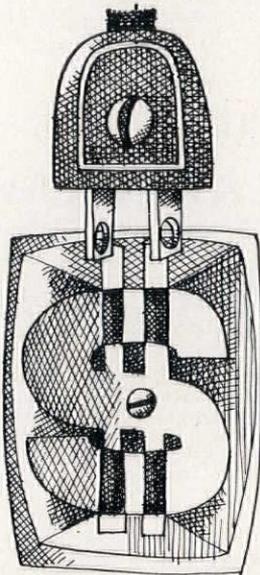
Ashley

Nancy



The red carpet is being unrolled—the flags unfurled—all in the proper Symposia manner, to welcome the team of Nancy and Ashley Carpenter aboard as the newest members of our Editorial Advisory Board. This talented duo was Symposia saluted in the February/1969 issue of this magazine where their multi-faceted talents were outlined in some detail. Rather

than face the charge of verbosity, we refer you to this feature. Active in many areas of the Construction Industry field, we know that Ashley and Nancy will add much to our coverage of the total architecture/engineering/construction picture in Utah—we are highly cognizant of their excellent qualifications and of their personal graciousness in accepting this Symposia assignment.



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the *Sauna* by Am-Finn

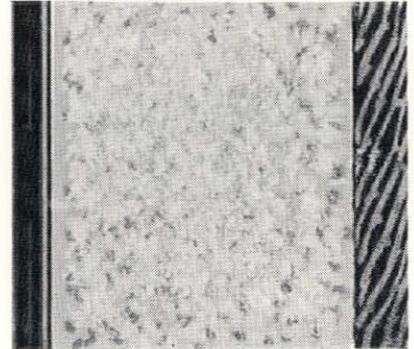
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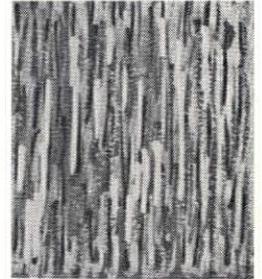
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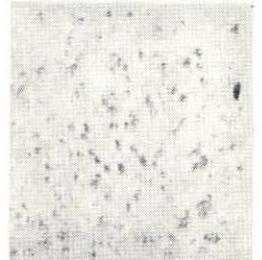
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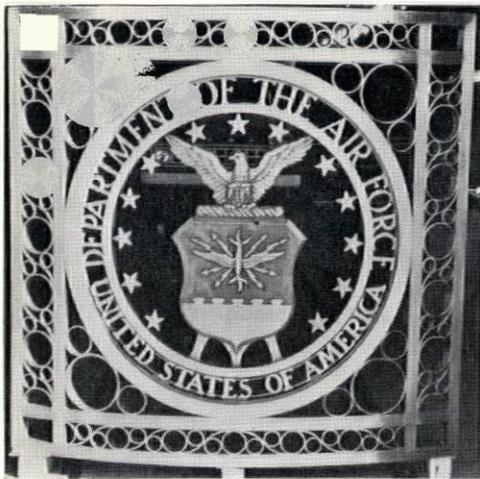
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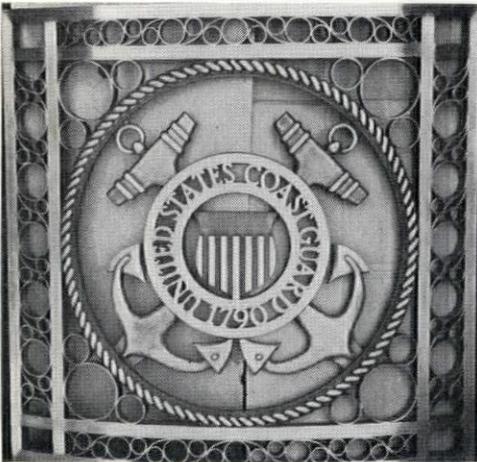
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