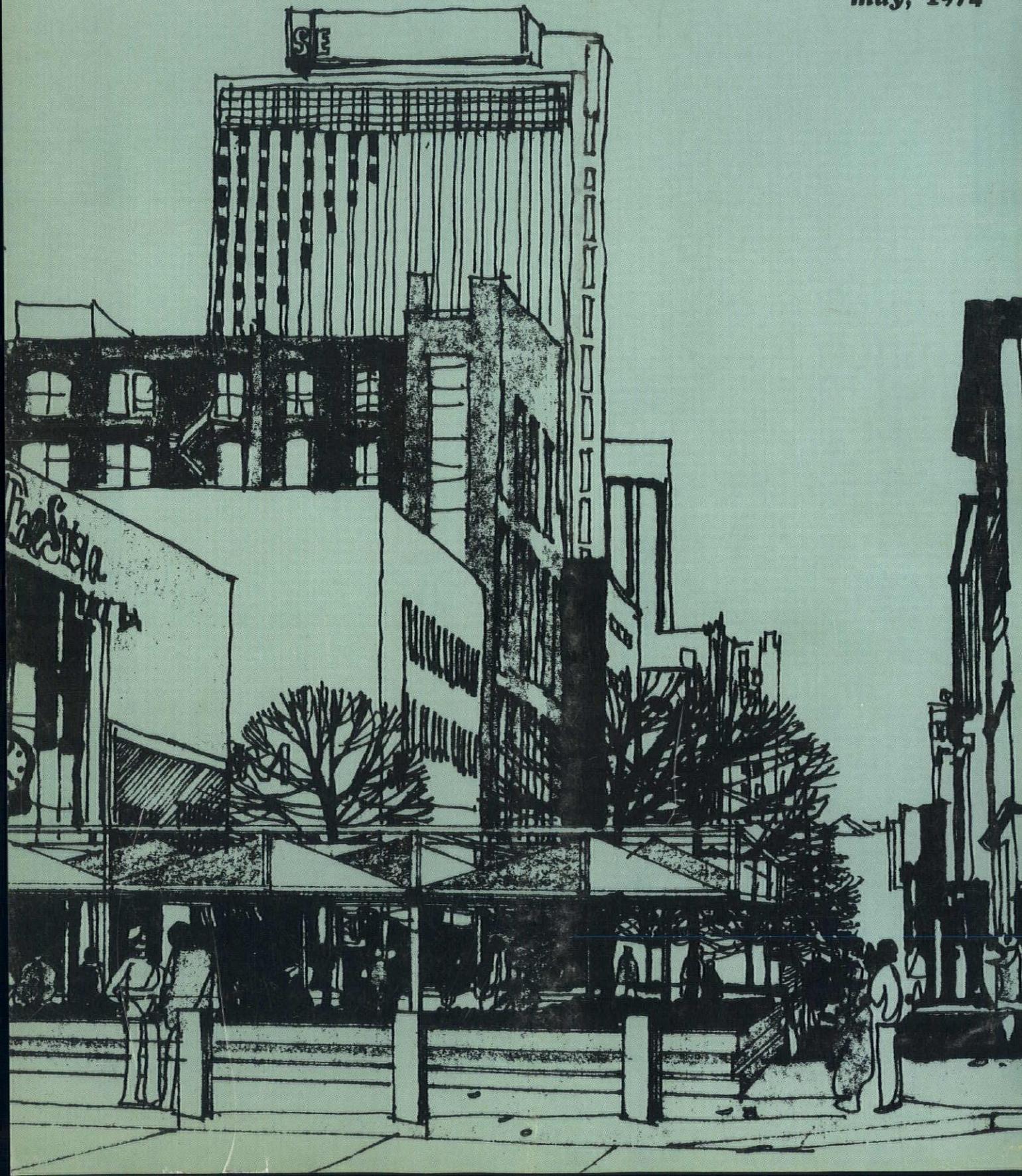


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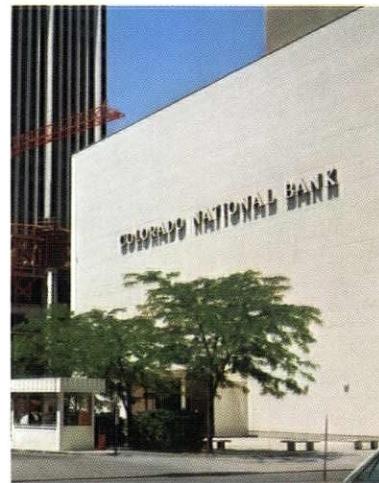
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**construction communications
in the West**

VOLUME 8

NUMBER 12

MAY, 1974

OFFICIAL PUBLICATION/REGION 10 CONFERENCE
CONSTRUCTION SPECIFICATIONS INSTITUTE

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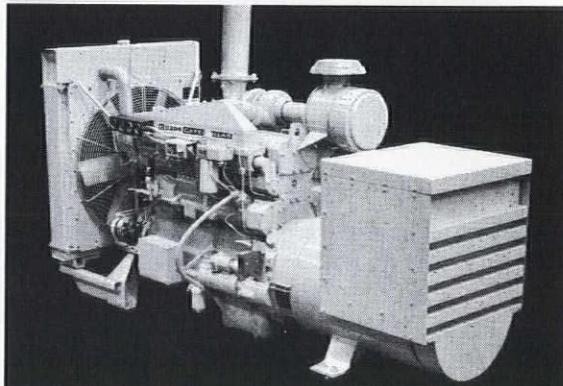
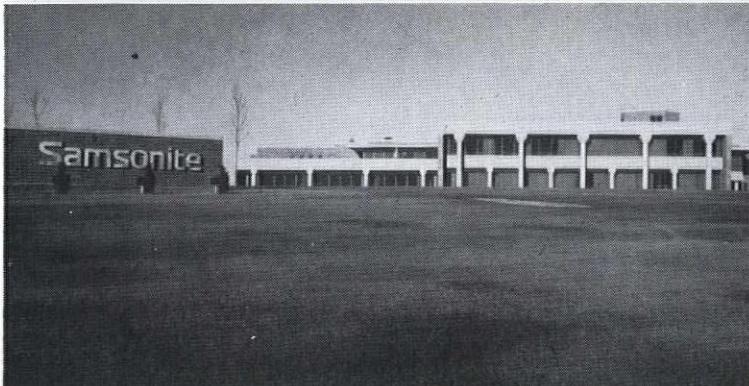


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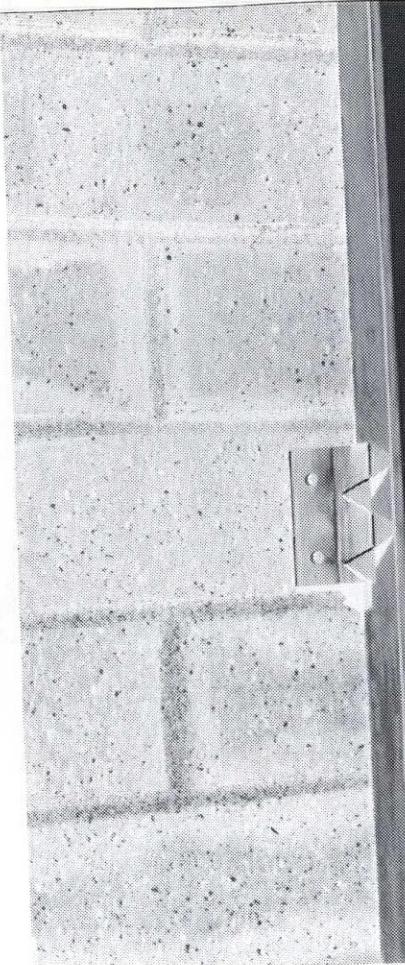
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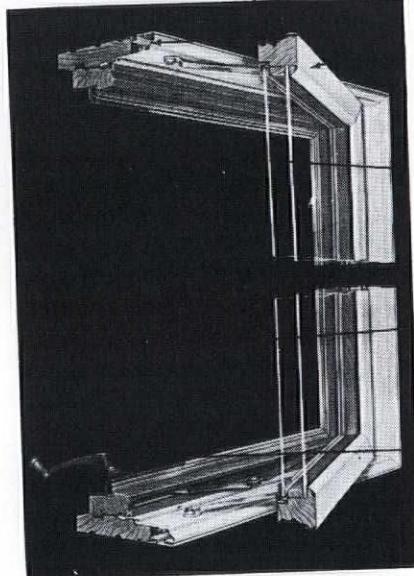
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May 20-23

A HUMANE ARCHITECTURE

THE THEME

In the Nation's Capitol, this month, professionals will explore a community architecture in sympathetic relationship with its users and in equilibrium with its natural setting. Nationally prominent speakers and panelists will point the way to "a humane architecture" with all its implications of a more rewarding way of life for all citizens.

The Keynote Address to be delivered at 1:30 p.m. on Monday, May 20, will be delivered by the Honorable Thomas Bradley, Mayor of Los Angeles. Upon graduation from UCLA, Mayor Bradley joined the Los Angeles Police Department working on his law degree in his spare time. He received his degree from Southwestern University and retired from the Force, then a Lieutenant, to open his own practice. He entered politics a little over a decade ago as a member of the Los Angeles City Council; he became Mayor last year.

The Theme Session—"A Humane Architecture" will be moderated by Robinson F. Barker who is Chairman of the Board/PPG Industries. A graduate of Harvard, Mr. Barker in addition to his many business responsibilities is also a member of the National Industrial Pollution Control Council and is involved in a wide range of business, civic and philanthropic organizations. The four panelists appearing with Mr. Barker will also serve during the conference as moderators of the Theme Workshops. This first session on Tuesday morning, will be followed at 1:00 p.m. by the first Workshop "Urban Design and Human Behavior" moderated by Judith Roeder. Ms. Roeder, AIA, has been architect, urban designer and planner and most recently the principal planner for the Pittsburgh Department of City Planning. She is at work on two projects linking design and behavior. At 3:00 that afternoon John Eberhard, AIA, will moderate the second Theme Workshop on "Basic Research—People and Buildings." A graduate of the University of Illinois in Architectural Design, Mr. Eberhard holds a Master's in Industrial Management from M.I.T. and is president of the AIA Research Corporation.

Theme Workshops will be concluded on Thursday morning, 23 May with the third session "Humane Project Design" (Density, Security and Amendability) moderated by Theodore Liebman. His experience in housing and large-scale

A GRAND NATIONAL



urban design began in 1963 with the Government Center at the Boston Redevelopment Authority. Since 1971, Mr. Liebman has been Chief of Architecture for the innovative New York State Urban Development Corporation.

Harry Weese, FAIA, will moderate the final panel—"Expanding Interface Between Engineers/Architects on Public Works Projects." For almost three decades, the firm of Harry Weese and Associates, Ltd. has played a leading role on the scene of professional practice winning acclaim for its restoration work as well as for its new designs. Mr. Weese has held many posts not only in the profession but in civic affairs, as well.

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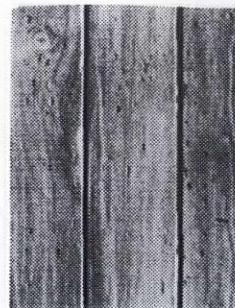
This is the third time around for this most successful program. Held this year in the Exhibit Hall of the Sheraton Park Hotel (HQ), the latest developments in building products and practice aids technology will be displayed and discussed. Again the Marketplace will offer a wide range of Seminars and Workshops . . . including such topics as "Systems Building," "Better Control of Building Costs," "Energy Conservation" and many others, including the latest information on professional practice.

AND OTHER DIVERSIONS

A wide range of tours underlining the rich variety of architectural environments and life-styles in the Washington-Baltimore area have been arranged by the three host chapters—Washington Metropolitan, Baltimore and the Potomac Valley, Maryland. These trips will include visits to the historic ports of Baltimore and Alexandria, a walking tour of Metro, Washington's new subway system and others focusing on urban development, historic preservation, museum and theater architecture. Social events include a Victorian extravaganza—"The Red Velvet Swing" to be held at the historic Garrett-Jacobs mansion in Baltimore, the Annual Ball which will be held in the spectacular court of Pension Building in Judiciary Square, plus the usual McGraw-Hill Dodge/Sweets reception.

Other highlights of the 1974 meeting of the Institute will be the election of national officers, presentation of the 1974 Honor Awards and Medals, introduction of new Honorary Members and Honorary Fellows of the Institute. Phil Stitt of Arizona is one of this year's Honorary members (see last month's Symposia Salute) and the investiture of the newly-elected members of the College of Fellows (see June's S.S.).

As always a number of post-convention tours are offered. The most exciting, of course, is the 15 day trip through the Mediterranean which will include the re-convened convention for two days of architectural seminars in Madrid.



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A panel of past presidents of the Consulting Engineers Council/Colorado made up the Jury which has selected five projects for Engineering Excellence Awards—and will represent the State in the national competition of the American Consulting Engineers Council. Technological innovation and environmental concern were prime considerations in the Jury's 1974 selections.

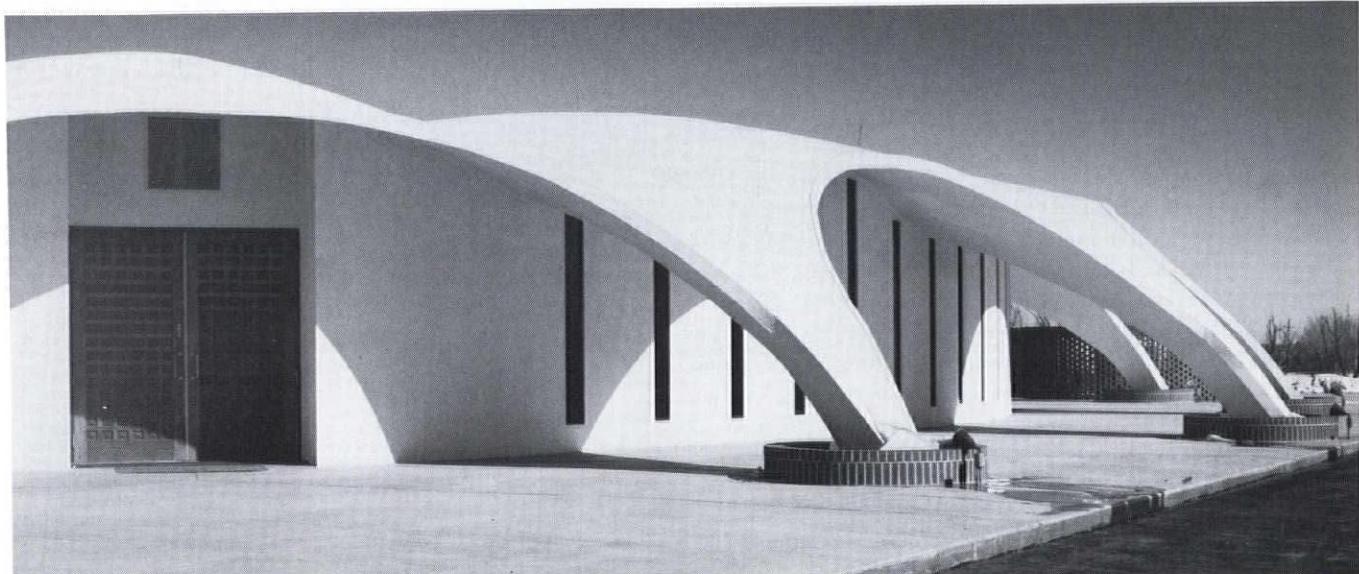
Top Award was made to the project CORSIM II, a pioneering effort to correlate water availability and need, a joint venture of The David E. Fleming Company of Denver and Parsons, Brinckerhoff, Quade and Douglas, Inc., of Denver and New York City. This two-and-one-half year engineering project provides a complete computerized data bank for use in determining past, present and future availability and utilization of all waters in the Colorado and White Rivers in Western Colorado.

Discussing CORSIM II, Dave Fleming said . . . "With the data bank and computer program now available, any potential

situation can be analyzed swiftly to determine water supplies at any given time. That such an analytical tool is available at this time of great concern about the availability of water for potential oil shale development in Western Colorado must be attributed to the foresight of those who underwrote its development." Clients for the project included the Denver Board of Water Commissioners, the City of Colorado Springs, Public Service Company of Colorado, the Northern Colorado Water Conservancy District, the Colorado River Water Conservation District and ten major private firms.

A unique gravel mining concept developed by Leonard Rice Consulting Water Engineers, Inc., of Denver was cited for its Boulder Creek Gravel Extraction and Ecological Restoration Program. The goal of the Flatiron Company of Boulder was to restore the "White Rocks" site to the probable conditions before man made his first impact a century ago. Long a sanctuary for wild life and designated a natural area in

Mile Hi Church of Religious Science



Boulder County, extraction of gravel in the area was begun in October, 1973, and will extend over a ten-year period, with mining only from October through April. At the end of each season, areas will remain that were designed for fish spawning, bird nesting and vegetation native to the area. Trees, shrubs and grasses will be planted each season to provide screening for noise abatement, dust control and to make sure of mature vegetation at the end of the program.

Technical Service Co., Denver-based consulting firm, has been honored for the newly-completed North Plant for the *Detroit News*, located at Sterling Heights, Michigan. Completed in August, 1973, at a cost of almost \$45 million, it is one of the most modern and technically advanced newspaper publishing plants in the world today. With almost nine acres of floor space under roof, the new building is finished in cor-ten steel with black and white granite trim—clean lines and uncluttered appearance represent the best in modern industrial plant design. Attractive, innovative—and completed on time within the budget, the *Detroit News* project fulfills the owners' needs in all respects.

Winner of last year's CEC/US Grand Conceptor Award, the firm of KKBNA, Consulting Engineers, Denver, is in the Colorado winner's circle this year for the Mile Hi Church of Religious Science located in Lakewood. The structure designed to meet the client's needs is a large ellipsoidal dome encircled by 16 smaller parabolic domes. The total cost for this building was \$500,000—exceptionally economical for a structure of this character and complexity—the major

factor in this cost was the unique construction method. Approximately 28,000 cubic yards of dirt were piled to a height equal to the center dome, roughly contoured and full scale plywood templates were used to obtain the required contours of the thin concrete shell. The building has not only been successful for the client but has become something of a local tourist attraction. The construction system has drawn a great deal of local, national and international attention with other structures of a similar nature being considered using the techniques developed by KKBNA for this project.

Final citation in this year's Engineering Excellence program was accorded Wright-McLaughlin Engineers for the Cleveland-Akron Wastewater Management Study. The firm played the central role of Formulation Contractor in this study and, in addition, was assigned the separate role of researching, developing, designing and costing all "land treatment" components in the alternative plans. This pilot project study by Wright-McLaughlin Engineers is a pioneer effort and was carried out through unusual design features to the solution of elimination of pollutants discharge to Lake Erie; cleanup of the Cuyahoga River, storage of all urban runoff; strip mined land rehabilitation, irrigation of 117,000 acres; recycling of nutrients and increased regional food production. The study has been selected by the Corps of Engineers as a recommended model for wastewater studies in other metropolitan areas.

Results of the national competition of the American Consulting Engineers Council will be announced in May.

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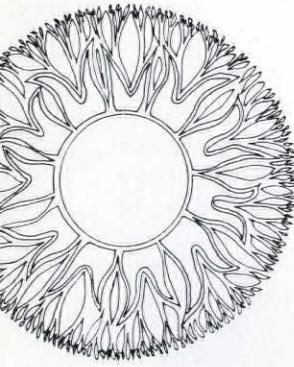
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They really know how . . .

To greet a guy at the brand new Braniff Hotel in old Tucson! In the lobby, a bar dispenses conviviality (how convenient for the weary traveler) and musical greetings from the gayly costumed mariachi band. To say nothing of the warm handclasps of the Host Chapter, and enthusiastic exchanges from CSI Region Tenners who have not met since the last time around in Albuquerque. This "hail! hail! the gang's all here!" spirit was continued at the traditional Cocktail Mixer held in the Exhibit Area (the better to see your products, my dear!) The Table Tops were really great—an effort spearheaded by "Big Red" Weller (currently without beard) who is Head Honcho for the Phoenix Chapter/Producers' Council.

The cool, cool, cool of the evening was devoted to dining and sundry pleasures "on the town." A scattered number of the safe and saners took nourishment in the Braniff Dining Room and settled for maximum shut-eye.

So, now, it's Friday . . .

And at cock crow, CSI officers, directors, presidents and VIP types met for a Continental Breakfast and an informal discussion of CSI affairs local, regional and national. Everybody else breakfasted "on their own" in the Coffee Shop which has a fantastic decor, but was a tad small for the numbers.

By nine a.m., most everyone assembled for opening ceremonies and reports from the seven Chapters in Region 10. Briefly, the "fearless leaders" said . . .

Don Paxton/Albuquerque — Reported a membership of 93 with an increase of eight new members. Their chief concern is attendance at monthly meetings which they hope to

rectify in the year ahead through pre-payment of meals which Phoenix has done this year. In addition to the usual programs on specification topics, two meetings were devoted to "general interest" topics, the Narrow Gauge Railroad and Hot Air Ballooning (Don concedes that Albuquerque is becoming the hot air ((ballooning)) capital of the world). The Chapter has also participated with AIA, AGC, CEC in discussions regarding escalating prices and slow material deliveries. No satisfactory solution has yet been formulated.

Bob Johnson/Denver — Reviewed meeting topics for the year. Two programs were really outstanding in terms of attendance . . . a Seminar on Construction Management and the January presentation on Solar Energy. The Chapter presently has a membership of 189 members (growth of 32%) with average attendance at meetings of about 75. Arrangements have been made for "over-the-counter" sales of some CSI Documents with the AGC offices. Education Chairman, Frank Shutts, attended the Wisconsin University Short Course, and will use knowledge gained there in planning the Education Seminar to be held this autumn. Social highlights included a WIC Fashion Show (the gals wore the products they represent — imagine what the Trus-Joist looked like!) and the Christmas gala with WICs and Producers' Council.

Atha Lavalett/Pikes Peak (Prettiest President) — Outlined the Chapter goals established early in the year: greater involvement of the membership, regular meeting place, etc. They have had an on-going study on local Fees and Permits, had two Field Trips . . . (Cement Plant/Coors) and their largest attendance was at the meeting where the topic was "Late Deliveries

and Material Shortages." There are now 61 members in the Pikes Peak Chapter.

Joe Diemer/Phoenix — Told his CSI colleagues that the Pre-Paid meal program elicited a 75% voluntary response from members and had increased meeting attendance about 25%. He said, however, that membership renewal figures would be "the proof of the pudding." The Chapter now has about 115 members and will kick off their 10-meeting year with an Awards Banquet in September. Their "Spec-Tip" program used to be handled at one or two meetings during the year through Round-Table discussions; now interested members may attend a Mini-Seminar featuring a single topic held during the Social Hour preceding regular meetings. He also reviewed the Specifications Course at Arizona State University . . . Dick Perrell teaches this Course with guest lecturers drawn from Chapter membership. The Phoenix Chapter awards a scholarship each year to a student(s) for outstanding work in the field of specifications . . . this is made financially possible through the CSI/PC Products Fair.

Phil Dinsmore/Tucson — Although, said Phil, the Region 10 Conference came up for discussion at almost every Chapter meeting, a number of other programs were accomplished successfully. The newsletter . . . "Tucson Topics" was given a face-lifting, and a "Punch List Policy" was formulated. He scotched the insidious rumor that Tucson would not host the annual Phoenix/Tucson Mixer. If the Chapter survives (fiscally and physically) the Region Conference, the Mixer is on!

Karl Krauss/EI Paso — Karl is Vice President of this newcomer to Region

10, and a most affable gentleman. He commented that the greatest need of the 31 member Chapter was more enthusiasm and better meeting attendance . . . "lower probably than most CSI Chapters in the Region, but better than some churches."

Keith Richardson/Salt Lake City

— Reported a number of interesting meetings . . . one with the State Industrial Commission; with the City and County Zoning Commission and another on the types of Spec outlines being used currently in the area (Master Spec? CSI Format? etc.). They have followed this up with a questionnaire sent to 150 professional firms. They have received about one third of them back and are now following up these contacts. The Chapter plans an Educational Seminar for their own membership, and has a very strong Technical program. Salt Lake also has a Speakers Bureau which provides CSI speakers to other organizations.

After lunch, conferees gathered to explore the Conference theme, "Using CSI Today."

Using the Documents . . . TODAY

Moderated by **Richard C. Perrell, FCSI**, and including **Robert J. Schmidt, FCSI**, **Bill Meyers** and an unknown (to Editor) panelist whose name was incomprehensible on the taped proceedings.

It is, said Moderator Perrell, patently impossible to cover the scope of present CSI Documents in half an hour, but he and his panelists really gave it the old college try. Bob Schmidt began with an over-view generally delineating the Manual of Practice (the Table of Contents will be updated this year); Green Sheets and the Uniform Construction Index (this is international in scope . . . seven U.S. organizations plus one in Canada).

Green Sheets, as all good CSI members know, are originated at Chapter level and up-dated periodically. They are regarded generally as a useful tool enabling the specification writer to tap reliable research sources. Majority of the Monograph documents are presently being prepared by an expert (often an Industry member) describing and explaining a product in a general

way . . . how it is made; how used; giving a basic understanding of a product or a system. Monographs are less technical and of limited, as opposed to general interest. General interest documents are the Chapter originated Green Sheets.

Schmidt reported that there is much better input and output from the Technical Document Committee now than there was some four or five years ago. Perrell explained that, in preparing specifications, he uses both Green Sheets and Monographs as an information bank — although he understands there is limited usage of some of these documents (wholly or in part) on a verbatim basis.

Using the Documents . . .

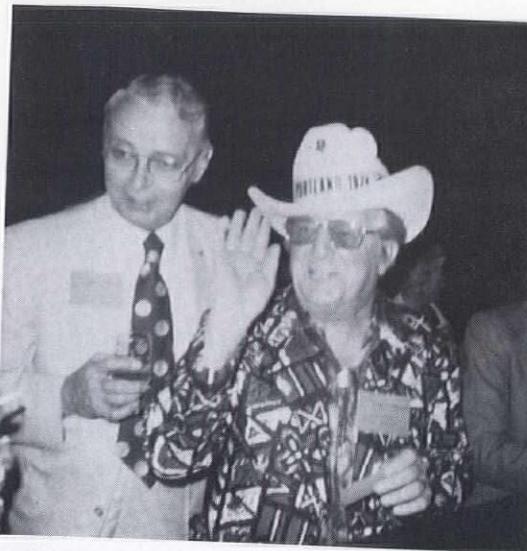
TOMORROW

Moderated by **Terry Strong**, and including **Executive Director Joe Gascoigne** and **Bob Johnson** on the panel.

Terry suggested it might be difficult to discuss Tomorrow's Documents since they were unavailable, he outlined three main points of exploration . . . 1) What can Chapters expect; 2) What can Chapters do; and 3) What further programs and documents will be needed by tomorrow's specifiers.

Joe announced that the Manual of Practice (in two volumes) will soon be available. He also looks to a substantial increase in documents dealing with Divisions 15 and 16. In future, he sees a plateau for the Green Sheet program with major emphasis on updating; a long and useful life for Monographs and CSI becoming the clearinghouse for not only their membership but for the Government and other sources of technical documents. Eventually, of course, all materials will be automated.

Bob Johnson suggested that documents are needed to clarify the many new and different contractual arrangements in the Industry and hopes for a coordination between CSI and AIA documents. Bob further suggests smaller (more concise) and more regionalized guide specifications citing the special skills and the time necessary to produce such specifications in the average office. He stressed the unique role of CSI in bringing together





all elements of the Industry providing a communications forum. "We may not always get a lot of answers, but we're communicating." Terry commented that although assigned "Metrication" by Worrier's Club President Frank Seiler, he felt he hadn't really been doing the job he should. Joe Gascoigne reported that Metrication at the government level was moving faster than anticipated and it had to be played by ear since it was dependent upon material suppliers. CSI is very involved and ready to move at the drop of a millicentiliter.

Using Effective Techniques

A three part presentation by **David T. Borchardt**, Industrial Relations and Security Division/Bendix Corporation, Kansas City. Bob Schmidt in his introduction to Mr. Borchardt explained that this Leadership seminar which has been presented to all Regional conferences is a part of the 1973/74 national thrust toward Education and the involvement of Chapters in the presentation of effective Seminars.

Mr. Borchardt began and ended his CSI engagement in Symposia territory. He started last year in Portland with Region 12 and concluded in Tucson with Region 10. He stressed that his presentation is largely basic and fundamental and would prove a "refresher" course for most of his auditors.

The Seminar, he said, is a major communications tool used to inform/explain or instruct. It is used to analyze and discuss problems and provide viable solutions. It doesn't just happen! A successful Seminar must have careful planning, good leadership and

good participation. Planning, Mr. Borchardt says, is the most important ingredient — without it, problem solving can take hours instead of minutes.

He maintains public speaking is not a special "gift," but that anyone can be effective on the platform. If you know your subject, there is no reason to back off from speaking in public. He enumerated a number of bad habits . . . being chained to a podium or, as he admits, walking back and forth continually as he does.

The value of visual aids was stressed. Slides using diagrams, pictures, graphs and cartoons are all important. A picture, he reminded his audience, is still worth a thousand words. Evaluation of the Borchardt's "seminar on seminars" indicates that those presented by CSI, in future, will be better in every way.

Meanwhile . . . South of the Border

The Ladies were enjoying a combined bus ride and sight-seeing trip to Nogales. Lunch (delicious) was in the old-world atmosphere of El Balcon followed by a turquoise jewelry fashion show (not for peons). Then it was off to Calle Obregon for "trinkets and trash" . . . incidentally strike a special "medal of valor" for bus drivers negotiating those narrow Nogales streets . . . whew! close, man! Then heavy laden with paper flowers, Mazatlan's "famoso Crema de Tortuga," spirituous liquids and oddments, the party headed back for the Braniff. Sadly missed was Ruth Gascoigne whose luggage turned up missing, and she spent the day assembling a substitute wardrobe. Although buying

clothes is seldom a hardship for those of the feminine persuasion, losing what you already have kinda takes the shine off the occasion.

Wait 'til the sun shines, Nellie!

The Friday festive banquet was capped by an interesting slide presentation by **Dr. Aden Baker Meinel** on Solar Energy. Contrasting life in the U.S. at the height of our "petro-fuel age" with the major part of the world in a far more primitive energy cycle . . . he showed a slide of the Indian peasant feeding her clay stove (sans chimney) with twigs and cow-dung patties and then the American kitchen replete with gadgets including one yet to be invented, "the electric fork" (akin to the folding water-bed).

Our "moon shots," the good Doctor said, have enabled us to see our earth as it really is — "a closed system." When our resources are exhausted . . . they are gone forever. The sun, however, has an energy output in one day equal to all we have expended since time began. It is a fusion reactor safely 93 million miles away. From the year 212 when Archimedes lined the harbor of Syracuse with solar reflectors setting the enemy fleet's sails afire until about World War I, the sun's energy potential was explored. Then came the internal combustion engine . . . "the petro-fuel" age and Old Man Sol was by-passed.

With the emergence of new, energy-underprivileged nations following World War II, we again turn to the sun as a hopeful means of benefiting the

*More on CSI Region 10
On Page 32*



Renaissance-circa 1970

16th Street Mall

There is an increasing determination among urban Americans to somehow save their cities . . . restore those qualities which made "going downtown" an important event. In that earlier era, one walked— lingered and looked—experienced a sense of belonging to a bigger world, a more exciting milieu. To recapture that yesterday of smogless skies and streets where as Temko so inelegantly puts it—"you can walk without getting a Buick up your backside" can be an exercise in futility. Let's face it, the horse and/or the bike will never replace General Motors. We have, however, in this Twentieth Century a "reasonable facsimile"—the Mall. Urbanites and their country cousins alike are rediscovering Downtown as a happy place to be as more and more cities plant trees, push the automobile aside and put the pedestrian back in business.

Denver is no different than other cities except it has all happened faster, and there are still a lot of people around who remember that "earlier era" which has vanished in the mists of time in most other metropolitan areas. Which brings us to the Big Red Book—a handsome delineation of the Planning and Preliminary Design for Denver's Sixteenth Street Mall. The Design Team includes *C. F. Murphy Associates/Denver*—Theodor A. Grossman, Jr., Partner with Richard L. von Lührte, Betsy Baldridge, Chris Cedergreen, Carol Miller, Dennis Mateski and Dave Ballast; *Johnson, Johnson, and Roy Inc.*—Carl Johnson, Partner with Dick Macias, Woody Holeman, Tim Larsen and Stan Doctor; and graphics consultant, Unit 1, Inc.—Charles Danford, Partner. Cost input and project construction over-view were provided the designers by Richard C. Breaker, Gerald H. Phelps, Inc., General Contractors; Max Morton, N. G. Petry Construction Company and by Jerry Pope, Hensel Phelps Construction Company. A most impressive and capable group!

Denver's Sixteenth Street has, for better than half a century, provided the backbone of the C.B.D. Once upon a time, it was the major "shopping experience" and women wore gloves and hats "to town" and lunched in the Tea Rooms of the department stores. Most of the buying was done there. Consumer habits have changed with the burgeoning population, but the ability to snare the lion's share of retail sales is within the grasp of Denver's downtown. To quote the "big red book"—"Given Denver's unique climatological assets (250 days of sunshine), a mall downtown can offer a perfect outdoor environment for social experience. Unlike the shopping center, the Mall can provide a flexible framework for a variety of urban activities involving shopping, business and commerce, transportation, culture and education. The special quality of 16th Street is the variety of activity,

the historic randomness of the architecture, and the distinctive differences in merchandising techniques—lighting, signing, window display and graphics. Above all, 16th Street is unique because of the variety of people who use the street."

Perhaps meandering Cherry Creek set the diagonal pattern for Denver's downtown, but the CBD set athwart the usual north-south/east-west grid of the surrounding city provides an unusual and interesting entrance to the Mall from Civic Center and nine blocks later culminates with the exclamation point of the old Daniels and Fisher Tower and Skyline's linear park. Because of its length, the Design Team has created smaller increments (or nodes) adding interest and diversity through the whole.

Constraints were many. All major traffic has been diverted to 15th and 17th and to the named streets which cross the





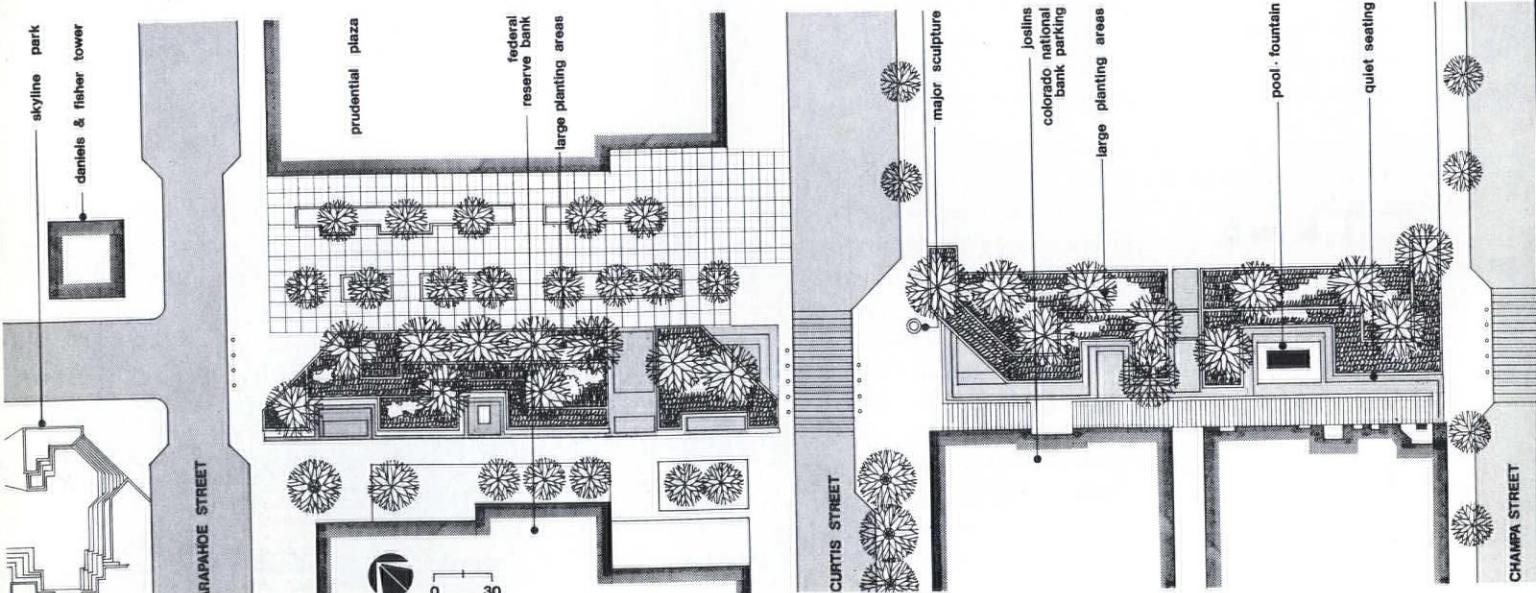
Mall. This alone constitutes a major improvement as anyone who has experienced the curb-to-curb five o'clock snarl will testify. A 12-foot right-of-way alternating from one side of the Mall to the other would accommodate the DART vehicles in present use, however, the planners suggest a smaller sidewalk bus which would be light-weight, open in summer and closed in winter, moving at slow speeds compatible with pedestrian traffic. These vehicles would operate from the Library/Art Museum complex in Civic Center with a turn-around at Skyline Park. No fares would be charged. Regular DART mini-bus service would supplement Mall service by running perpendicular on the cross-streets. This transportation plan would effectively expand parking availability on the periphery of the CBD.

One design constraint is the location of underground utilities which because of buried, obsolete street car tracks are located primarily to the edge of the existing street extending approximately 28 feet from the curb. Since relocation is fearfully expensive, the designers have used primarily surface treatment minimizing any disruption of the below grade system and utilizing the remaining clear area for any below grade work. Foundations, fountains, depressed or raised Mall surfaces within this center zone would neither disrupt existing systems nor affect their ease of access for maintenance which planners hope to hold to a minimum through a "free period" prior to Mall construction when utility companies could anticipate future needs and upgrade their systems. This has worked well in Louisville, Kentucky, where legislation was passed limiting access to the Mall for five years to emergency work only. Utility disruption in the Louisville Mall has been minimal.

The Design Philosophy is best expressed in the word simplicity. In no way does it attempt to compete with the interesting mix of architectural styles found in the nine block area. This direct approach serves to unify the Mall and provide a neutral background for the human activity which will take place there. "The basic design theme," says the Big Red Book, "consists of a repetitive paving 'matrix' (concrete and brick pavers) which runs the entire length of the Mall. This matrix forms a neutral background for special activity areas within each block. The areas are enclosed by a repetitive system of walls, landscaped berms and modular furniture elements. These components can be combined in a variety of ways to achieve unique spaces to serve particular functions. Within each space there are focal points for fountains, kiosks, sculpture or play equipment to enhance pedestrian scale on the street and to provide a variety of visual interest."

The landscaping approach from Johnson, Johnson and Roy, Inc. is basically informal and used to reduce the linearity of the spaces. This is particularly true of the trees which are clustered as in nature with various species mixed to maintain appearance through all seasons. This kind of landscape design not only allows greater flexibility and a more natural and comfortable surrounding, but is basically pragmatic—it is easier to replace, augment or upgrade plants and trees to maintain the general overall appearance without sacrificing a formal and exacting design.

How close is Denver to a realization of the Sixteenth Street Mall plan? Is it "pie in the sky"? It is not in the laps of the gods, but upon the shoulders of those who own the affected



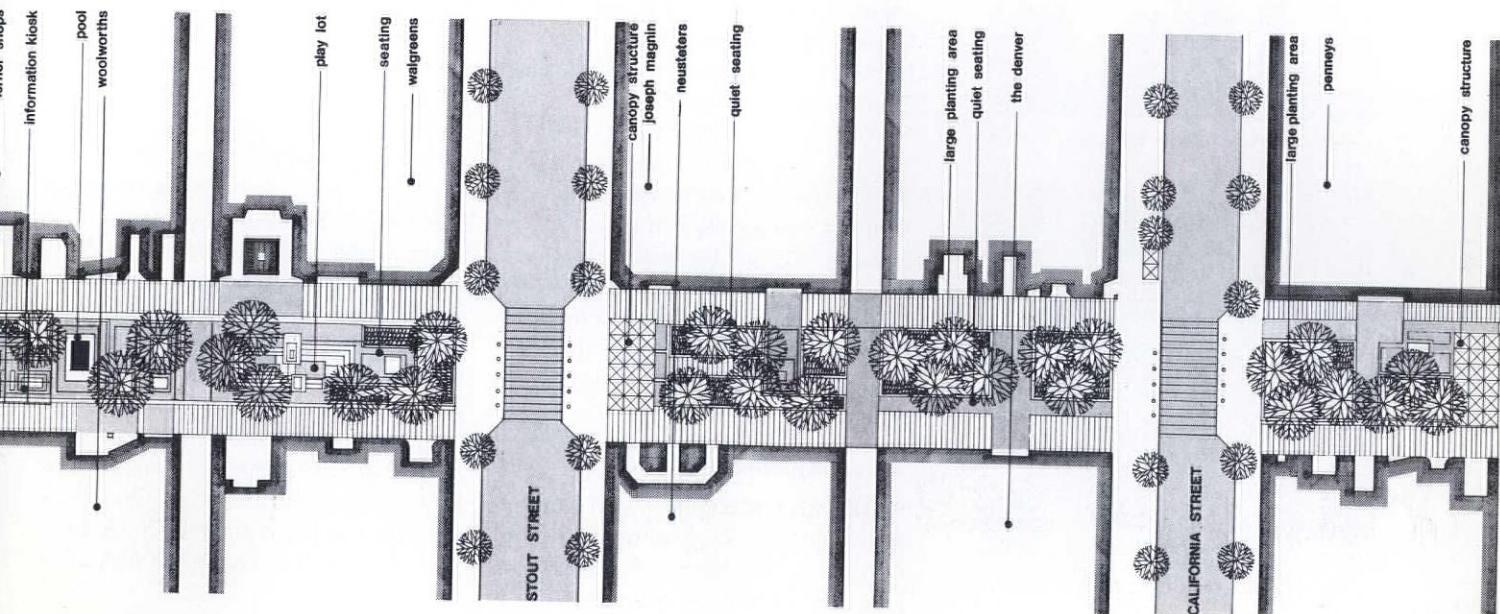
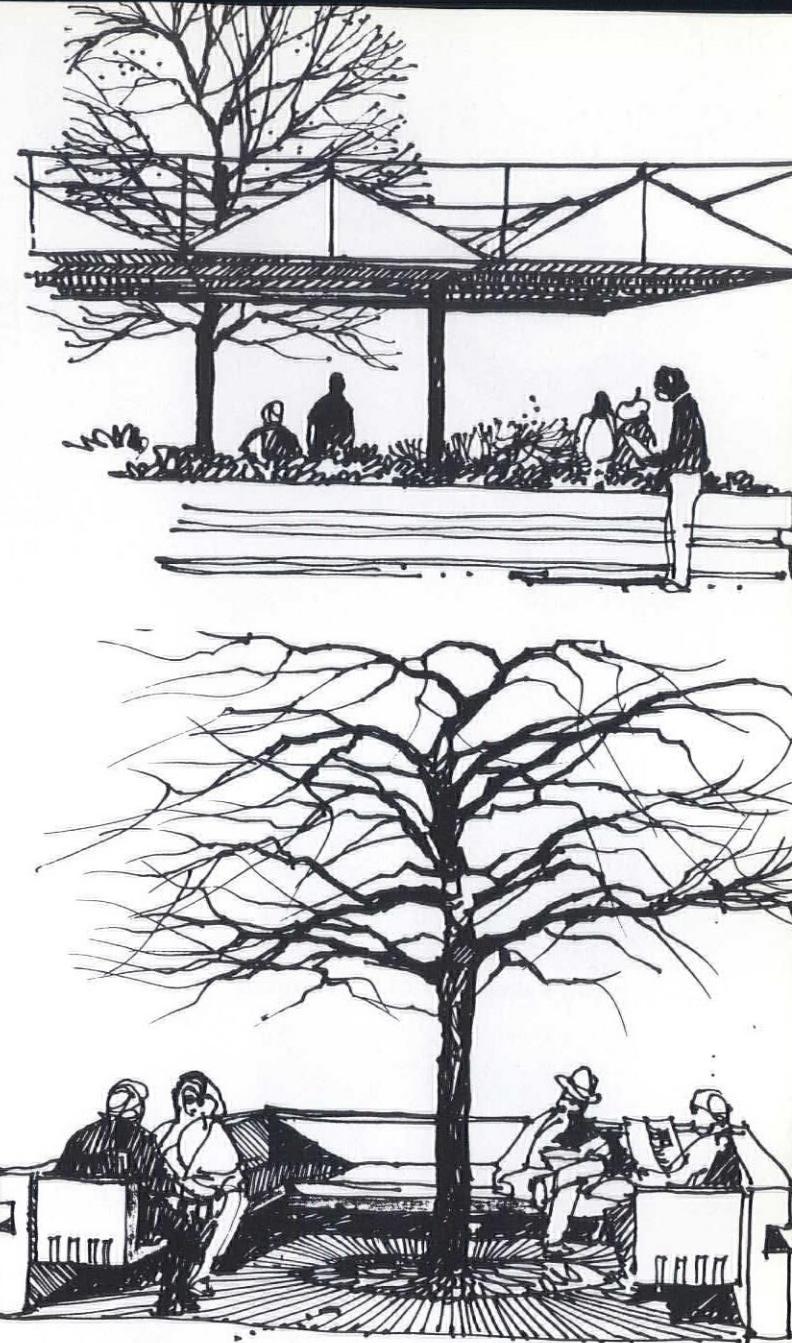
symposia / about the cover

Our May cover is, of course, from the "big red book" and shows one of the canopy units designed by the C. F. Murphy crew to provide a transition from one major space to another. Light steel structures, in contrast with the heavier concrete forms, will be used within certain blocks to provide a sense of enclosure and visual separation between zones of activity. In winter, units can be enclosed to provide protected shelter.

area's assessed property. According to Phil Milstein, Executive Director for Downtown Denver, Inc., 65% must give the project the nod before a special assessment district can be created by the City Fathers. As of February, 1974—the basic construction cost is pegged in the neighborhood of \$2.5 million, which one might term the high rent district. However, it's not going to get any cheaper—escalating prices for materials and labor are with us. Given a reasonably swift response from owners and the City, the Mall could be ready for ribbon cutting by 4 July, 1976 . . . not only the nation's bi-centennial but the 100th birthday of Colorado's statehood.

The Plan is there . . . it is sound, it is far-seeing, it's great. We can only echo *Rocky Mountain News* columnist Alan Cunningham who wrote on 10 April . . . "I like it. Correction: I love it. And I believe it. That is, I believe that we had better do it. If we don't, we are going to wake up in 10 or 15 years with another rundown, ugly, depressed and depressing downtown district, just like all those cities in the East." And he concludes . . . "Move now, downtown Denver. In 1980, the handwriting will be on the wall. And the cost then will be just that much higher."

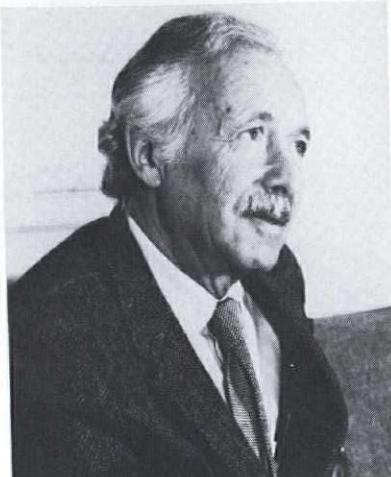
The blueprint for the renaissance of downtown Denver is at hand. We can but hope it will "happen"!





EXCELLENCE IN ESTHETICS AND ENGINEERING

THE JURY/ARCHITECTURAL



Pietro Belluschi, FAIA, Chairman

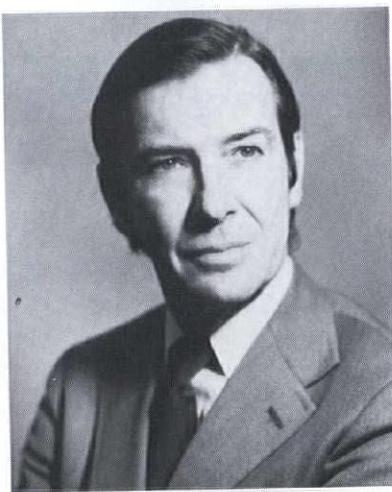
The 1974 Masonry Awards Program—
sponsored by:

The Colorado Masonry Institute
The Colorado Masonry Contractors Association
The Masonry Advancement Program

THE CRITERIA

All registered architects and structural engineers in the state of Colorado were eligible for the Masonry Awards Competition. Projects had to be situated in Colorado, of either brick or concrete and completed between 1 October, 1967 and 1 October, 1973.

Awards were presented on April 27th at a very gala banquet held in the Grand Ballroom of Denver's Brown Palace Hotel.



Edward Larrabee Barnes, FAIA

THE JUDGES/ENGINEERING

Walter L. Dickey, FASCE, Chairman

Mr. Dickey, a graduate of the California Institute of Technology, serves as Consulting Engineer to the Masonry Institute of America in Los Angeles, and has contributed significantly to the increasing body of knowledge in this branch of structural engineering. A member of the Consulting Engineers Council, he is a Past President of the Northern California Structural Engineers, a past Director and Vice President of the Construction Specifications Institute and a Fellow in the American Society of Civil Engineers. Technical Director for the Brick Institute of California, he has been a professional member of the ICBO since 1946, and has authored a number of authoritative articles on structural masonry.

Albyn Mackintosh

President of Mackintosh and Mackintosh, Inc., Los Angeles-based firm of Consulting Engineers, he is also vice president of Rollway Grandstand Cor-

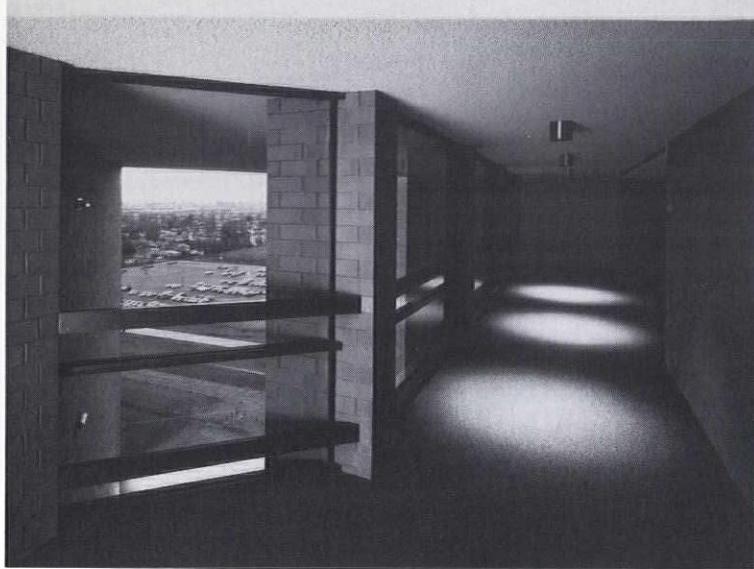
poration. Mr. Mackintosh is a frequent lecturer at universities and colleges with emphasis on masonry structures. His professional affiliations include membership in ASCE, the American Concrete Institute and the American Society for Testing Materials.

Donald A. Wakefield

Introducing Don to a large segment of our readers is a bit like "carrying coals to Newcastle." He and wife, Jean, are known and loved throughout the Rocky Mountain area. Don sandwiched his A/E degree between four and a half years in the U.S. Marines in W.W. II and one and a half years in Korea. He is a graduate of Washington University in St. Louis. He is a past president of Producers' Council, founder of Denver's CSI Chapter, and his slide presentations on Architecture (masonry) Abroad are delightful. Formerly Region Director for SCPI, he is now Vice President of the Interstate Brick Division of Entrada Industries in Salt Lake City.



Hideo Sasaki



Award of Architectural Excellence



Award of Engineering Excellence

Student High-Rise Apartments, University of Northern Colorado—Greeley
Childress/Paulin Architects/Engineers, Denver, Colorado
Owner: University of Northern Colorado, Greeley
Structural Engineers: Edward R. Bierbach, Consulting Engineer, Denver
General Contractor: Hensel Phelps Construction Company, Greeley
Masonry Contractor: Hensel Phelps Construction Company, Greeley, Colorado
Photography: Ted Edeen

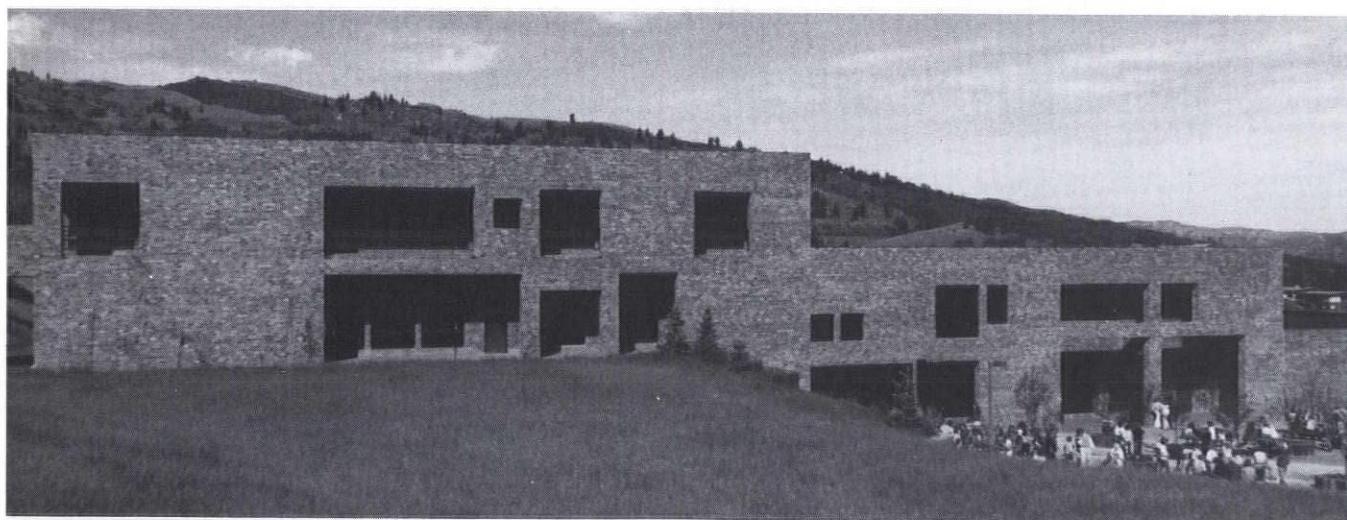
THE JURY/ARCHITECTURAL . . .

The angular cut-out to the core is most successful, as are the three-story porches. The layout of the rooms seems appropriate for student life. The jumbo brick with salmon color mortar was a good choice; it is pleasant at close range, and reflects a warm light.

THE JUDGES/ENGINEERING . . .

This presentation shows engineering ingenuity and skill in use of masonry, with clean detailing and well-handled design considerations. The building has a rather unusual pattern of wall to provide continuous windows, and the layout of the walls, including the diagonal ones, is exceedingly well planned.

Award of Architectural Excellence



Aspen Middle School—Aspen, Colorado
Caudill Associates, Architects, Aspen, Colorado
Owner: Aspen School Dist. No. 1 (RE)
Structural Engineers: Anderson & Hastings, Denver
General Contractor: William F. Harwood, Inc., Grand Junction
Masonry Contractor: Al Grasso Masonry, Inc., Grand Junction

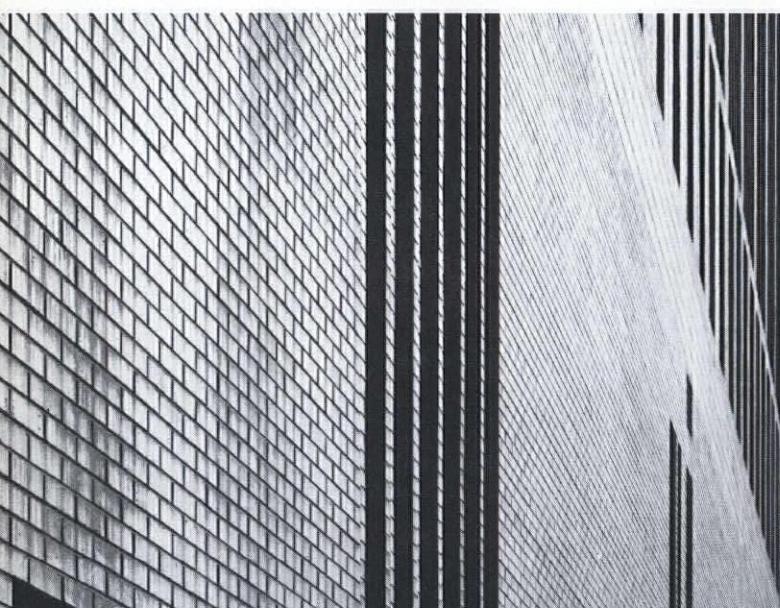
THE JURY . . .

This building is designed with an understanding of the art of simplification. The openings of the windows and doors are placed simply and exactly where needed. An interesting three-dimensional effect as well as desirable protection from the elements is achieved by the setting back of the openings.



Chapel, The Federal Youth Center—Englewood, Colorado

Architects: Johnson/Hopson/Associates, Lakewood, Colorado
Owner: Bureau of Prisons, Department of Justice, Washington, D.C.
Structural Engineers: Robert H. Voiland, Boulder
General Contractor: Langfur Construction Corp., Denver
Masonry Contractor: Gage Behunin Co., Westminster
Photography: Rush McCoy



Brick detail on D.A.C. Addition



Englewood Police-Fire Complex

Award of Architectural Excellence

THE JURY . . .

There is a very successful disposition of the masses around the chapel, and its interior has convincing qualities for a place of worship. More importantly, the whole succeeds completely in overcoming the institutional feeling commonly found in such places.

Awards of Engineering Excellence

The Franklin Office Building—Denver, Colorado

Engineers: James R. Borman & Associates, Denver, Colorado
Architects: Lombardi & Associates, Inc., Architects, Denver
Developer: Frederick R. Ross Co., Denver
General Contractor: F. R. Orr Construction Co., Denver
Masonry Contractor: Masonry Systems of Colorado, Inc.

THE JUDGES . . .

There was an excellent engineering use of the material of the face. The 4" bearings were effectively stiffened by the fins, which were part of the architectural treatment. The engineering of the entire building was very well worked out.

The Park Lane Towners—Denver, Colorado

Engineers/Architects: Sallada-Hanson & Associates, Denver
Owner/Developer: H. W. Hewson, Denver
General Contractor: Hewson Construction, Inc., Denver
Masonry Contractor: Dan Berich, Inc., Denver

THE JUDGES . . .

These represented excellent use of masonry and the development from one of the total of three towers shows an improvement in the use of newer materials, that is shifting to the hollow brick units for greater ease in reinforcing. These are very effective examples of the efficient, engineered use of reinforced masonry.

The Zuni Plaza Apartments, Adams County, Colorado

Engineers/Architects: Sallada-Hanson & Associates, Inc., Denver
Developer: Perl-Mack Companies, Denver
General Contractor: Perl-Mack Companies, Denver
Masonry Contractor: Perl-Mack Enterprises, Denver

THE JUDGES . . .

These apartments demonstrate an excellent use of four-inch masonry walls in a smaller structure, and demonstrates an excellently engineered use of masonry, with good grouting.

Award of Architectural Excellence

The Coronado Senior High School—Colorado Springs, Colorado
Lamar Kelsey & Associates, Colorado Springs, Colorado
Owner: School District No. 11
Structural Engineers: John E. Bunts, Denver
General Contractor: Lembke Construction Co. of Colorado, Inc.
Masonry Contractor: Raymond E. Lien, Colorado Springs
Photography: Rush McCoy

THE JURY . . .

This is a good site plan, with a clear composition of masses—an excellent design with detailing at appropriate scale, and make this entry worthy of an Award of Design Excellence.

THE MERIT AWARDS

Bourn and Dulaney, Englewood, for The **Englewood Police-Fire Communication Complex**. Structural Engineers for the Project: Kostroski and Associates, Castle Rock; General Contractor: Pinkard Construction, and the Masonry Contractor: Gage Behunin of Westminster.

Rodney S. Davis Associates, Denver, for the **Addition to the Denver Athletic Club** . . . Edward R. Bierbach, Structural Engineers. The General Contractor was Gerald H. Phipps, Inc., and the Masonry Contractor: Columbine Masonry of Denver.

McOG Architects for the retail store, **Roosevelt Building**, in Boulder. Structural Engineers: Johnson Voiland Archuleta, Inc. of Boulder; Gerald E. Simmons of Boulder was the General Contractor, and Bob Clair of Hygiene, the Masonry Contractor.

Rogers-Nagel-Langhart, Inc. of Denver were cited for the **Prospect Valley Elementary School** in Wheat Ridge. Edward R. Bierbach was Structural Engineer; Pinkard Construction, the General Contractor, and Gage Behunin was the Masonry Contractor.

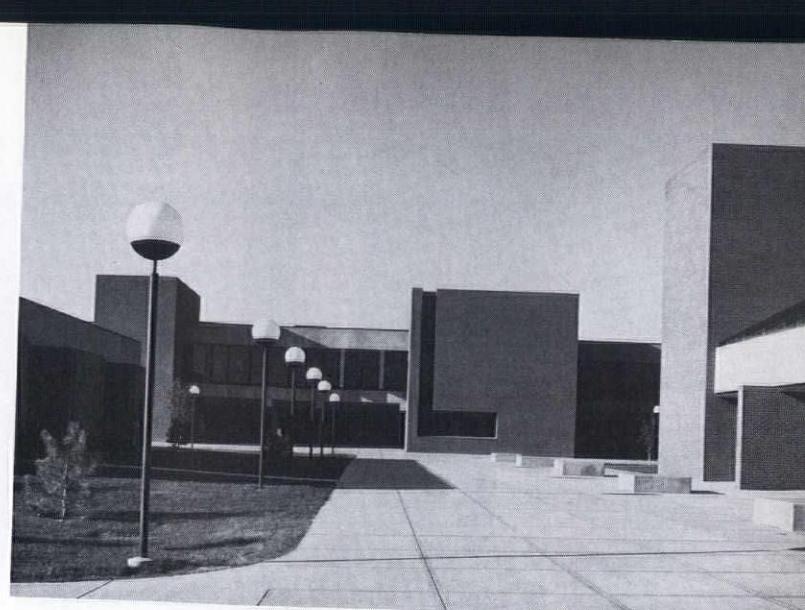
Keith J. Ames and Associates, Longmont, for the **Longmont Career Development Center**. Structural Engineers: Johnson, Voiland and Archuleta and Associates; General Contractors: Fischer Construction, Boulder, and the Masonry Contractor was Larry Houpt of Longmont.

Harry Weese & Associates of Chicago in association with **William Heinzman of Boulder** for the **Physics Complex, University of Colorado**. The Engineers Collaborative did Structural Engineering, and the General Contractor was Titan Construction of Denver.

Awards of Engineering Merit were presented at the April 27 gala Banquet to:

KKBNA of Denver for the **Empire Savings and Loan Building** in Denver. The Architects: The A.B.R. Partnership and the General and Masonry Contractors were Perl-Mack Enterprises, Inc. of Denver.

Sallada-Hanson and Associates, Inc., Architects and Engineers, Denver, for **Montbello Houses**. The General



Contractor was Montbello Residential Builders, and the Masonry Contractor: Perl-Mack Companies of Denver.

Sallada-Hanson and Associates, Architects/Engineers for the **Park Mayfair East** in Denver. Harold A. Simpson Development Company was the General Contractor, and Dan Berich, Denver, the Masonry Contractor.

For Engineering Merit, the firm of **Gerald J. Schiegel**, Arvada, for the **HeatherRidge Apartments**, Denver — Architects: Fishkin-Brin. The General Contractor: Environmental Developers of Denver; the Masonry Contractor: Gage Behunin.

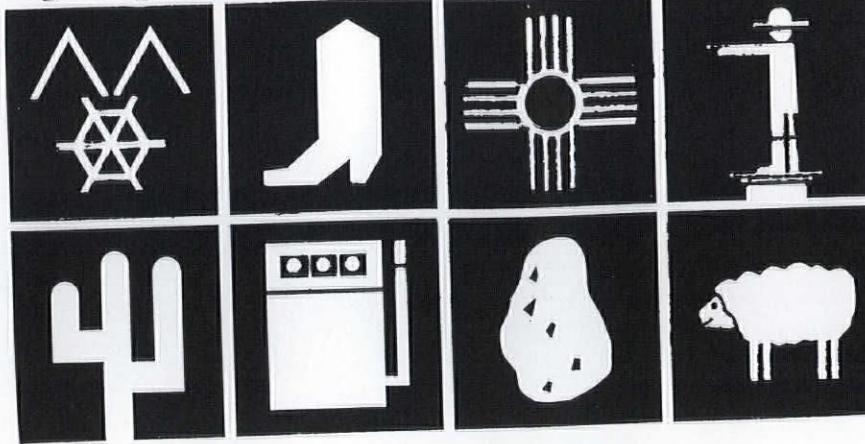
The **Ken R. White Company** of Denver, Architects/Engineers (David E. Nichols, AIA) for the **Resort Village at Steamboat Springs**. General and Masonry Contractor: the Penner-Bonny Joint Venture of Lakewood and Steamboat Springs.

(We greatly appreciate the cooperation of Robert Sandoval of the Colorado Masonry Institute and Ann Mohler of the Loughran Company for the information (we did have almost all of it) and the graphics which, because of our early deadlines, came to us long before the "official" announcement and the gala Banquet. Much thanks!)

Roosevelt Building



symposia/around the region



arizona

New Dean Named

Selected to succeed retiring Dean of the College of Architecture Jim Elmore, is Professor Hugh Burgess. Professor Burgess comes to Arizona State University with an exciting educational and professional background and his most recent academic post was as Acting Chairman for the Department of Architecture at the University of Hawaii.

Born in Colville, Washington, graduated from the University of Idaho in 1954, he studied Asian Architecture at the University of Washington the following year and received his Master's in Architectural and Community Design from Columbia in 1969. He is presently working on his Dissertation as a Doctoral Candidate at Rice University . . . completion expected in late 1974.

Professor Burgess received the AIA Edward Langley Fellowship, a Columbia University Scholarship and the William Kinney Fellows European Traveling Fellowship. He has also received the Arnold Brunner Award of the New York Architectural League and a Fellowship at Rice.

A World Traveler, he is a member of the Hawaii Chapter of the A.I.A. having served as a Director of the Chapter as well as holding the Directorship of the Hawaii Community Design Center. He has worked as Architect, Designer and Consultant for a number of firms in New York, Washington and in Hawaii and the Pacific, and has written a wide range of articles for publication. His many talents include several awards for painting and pottery which he has exhibited at the Henry Gallery in Seattle and the Honolulu Academy of Arts.

And, thanks to you, Dick Perrell for providing us with this excellent intro to

the new Dean of Architecture at Arizona State. Plus a hearty welcome to you, Professor Burgess!

A Very Special!

On April 2 at the Phoenix Country Club, the Arizona Chapter of Producers' Council teamed with Inland Ryerson (That's Prexy "Big Red" Weller's company) to bring the Arizona Construction Community a really great program. The speaker was the highly regarded Arnold H. Brogan, Director of the Value Analysis Staff of the General Services Administration, Washington, D. C. Mr. Brogan spoke on "Life Cycle Costing in Construction For Today and Tomorrow." This was just another in the fine diversified programs planned by P.C. to present worthy information to the construction industry. Kudos to Ron and Arizona's P.C. for really outstanding service to the group.

colorado

Bigger + Better!

There are always Golf Tournaments around . . . like the Master's in Atlanta and those little competitions . . . but Denver's Producer's Council is initiating a really big affair on 21 May at the Meadow Hills Country Club. Not only will the architect-types and the PC sellers be on hand, but this year, engineers and general contractors will also compete. This expanded field should send all the boys out to the course for a little pre-tourney practice.

"Sandy" Sandoval is the Man in Charge, so if you want some further details give him a jingle at the Colorado Masonry Institute—321-2141.

Let's Hear It For "Icarus"!

Surely you remember Icarus, the fellas who flew too close to the sun and ended up water logged for his daring. The latter day "Icarus" is a solar house now under

construction in Colorado Springs. The project began last fall, and model and plans were showcased for the first time at the Colorado South Chapter/AIA meeting on 27 February. It is the offspring of the non-profit Phoenix Corporation of Colorado Springs, an association of architects, engineers, home builders and bankers. The name for the house was suggested by the two horizontal solar collectors which suggest wings—ergo: "Icarus." Completion is expected in time for the HBA "Parade of Homes" which begins on 14 July. The house will remain open for inspection for about six months and then a family will move in to test the home for human livability.

A most interesting project!

Director Named

Ben Bezoff, President of the Colorado Municipal League, has announced the appointment of Kenneth G. Bueche as Executive Director of the League effective last March 29. He served as acting director for a few weeks prior to his permanent appointment, but has actually been general counsel since December, 1968. A native of Fort Collins, Mr. Bueche graduated in social science from Colorado State and he holds a master's in public administration and a J.D. in law from the University of Colorado.

Mr. B. is well known and respected throughout the state and local government circles and in his new position will provide a strong voice for municipal interests in Colorado.

\$150 Million Development

In April, the Denver-based National Western Capital Company announced plans for the development of 261 acre commercial/office village and a residential community in the foothills area of Lakewood. All architectural and land planning for the project dubbed Union Square has been prepared by HWH Associates Inc. of Denver and the landscape planning is from Godi Associates —engineers for the project are Tri-Consultants.

One of the principals in the National Western firm is an old friend, Earell Kissinger, who has lots of acquaintances in the Denver construction community.

There will be lots of open space in the new development . . . better than 30% not counting 23 acres for a park, a site for an elementary school presented to the Jefferson County school system and extensive mall areas. It sounds like a winner, Earell, lotsaluck!

idaho

Students Visit Colorado

In early April, a group of students from the AIA Student Chapter at Idaho State University in Pocatello had a look at some Colorado architecture. The tour included such high spots as the Denver Botanical Gardens, the Art Museum, the Convention Center and Park Central plus an evening at Larimer Square. Up Boulder way, they viewed the Atmospheric Research Center, and the University of Colorado campus, including the Engineering Sciences Center. The third day, the architectural students headed south to take in Colorado Springs and environs pausing long enough to have a look-see at the Denver Tech Center.

Incidentally, a tip of the old Editorial bonnet to Jo Haller of Muchow Associates for telling us about this visit from the boys from Pocatello.

Idaho To Host Engineers

Consulting Engineers from Idaho, Montana, Oregon, Washington, Nevada and Utah are being invited to attend an ACEC Regional meeting in beautiful Coeur D'Alene on July 19, 20 and 21. Larry V. Perkins is the Chairman of

the Host Committee, and it sounds like a cracker-jack get-together. It provides consultants with a fine opportunity to meet and visit with ACEC/US Executive Committee Members and Staff and to discuss such important subjects as the Selection of Engineers, Government Affairs, Company Ownership Policies etc.

But, it's the fringe benefits that make this Regional affair so alluring. After all Coeur D'Alene is just 30 miles from Spokane and Expo '74 and group trips are being arranged. It's a great place for a family vacation with boating, fishing, swimming, golf, tennis, horseback riding and camping. And best of all, engineers will get to rub shoulders with their friends and neighbors from all over the area. There will be more info on this from Board Member Larry Hoffman as the meeting date draws closer. However, just from this initial "teaser" it sounds like one Consulting Engineers won't want to miss.

nevada

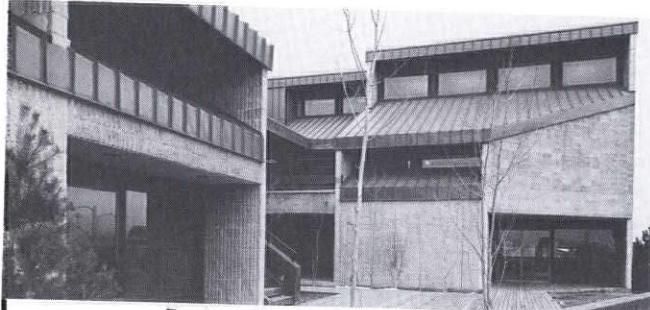
The Simpson Report

Just in time for our Happy Vol. 8—Number 12, a summary of "wha hoppen" in Nevada from Our Man in Reno,

the most capable Bob Simpson. Bob writes:

"Recent events in the Silver State are encouraging. Construction is in evidence nearly everywhere one travels in the State. And the Construction industry is beginning to experience a breakdown in the time-honored barriers which have kept professionals apart."

"The Architects have taken some giant steps toward achieving an effective machine for keeping abreast of and dealing with State Legislature affecting the industry. The Nevada Association of Architects is meeting monthly and has its sights set on being prepared for the next Legislative session. The NAA Board met in Las Vegas March 30, where Dwight Busby pumped the members full of sage advice and encouragement. (For those few who may not know Dwight, he is the Phoenix contribution to Bob Fielden's new corps of "get-out-there-and-get-things-done" appointees for the Western Mountain Region A.I.A.). This was Dwight's first time out in his new role and he is certainly off to a whiz-bang start. Any state component struggling with State Governmental Affairs will be fortunate to have his input. Dwight has been there. The NAA



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Board has made committee appointments and task assignments. May 4 is the day the Association reviews progress with Jim Prescott.

"In the northern part of the state the Chapter is busy pulling itself together and evolving into an effective aid to the practicing professional. These architects are still in the throes of self-analysis so far as Chapter activities are concerned, with a strong determination to shape up. The current City Park project which the Chapter undertook (thanks to Ray Hellman) is proving to be an effective Rx for apathy. With Joe Harden at the helm the Chapter has little choice but to make progress."

Thanks a group for the "good word", Robert. Hasta la Vista!

new mexico

Superintendents Conference

A 20-hour conference for construction "supers" was offered by the University of New Mexico Institute of Construction Education beginning on 16 March at 8 a.m. This course is accredited by the University and can be counted toward a college degree. The sponsoring professor was Dr. Frank Field of the UNM Department of Education.

Included in the course outline were discussions of labor law; general specifications; scheduling; move-in, lay-out, and excavations; concrete; metal superstructures; electrical and mechanical prints and specifications; codes and inspections; and job cost records.

Participants in the discussion included Dave McCoy, manager of the New Mex-

ico Building Branch, Associated General Contractors; Wybe van der Meer, registered architect and civil engineer; Pete Lujan, mechanical inspector with Bridgers and Paxton; Jim Varnado, electrical inspector with Uhl and Lopez; Dr. Richard H. Clough, professor of civil engineering at UNM and author of construction textbooks; Joe R. Martinez, president of the New Mexico Building Branch, AGC; M. B. "Pete" Ford, immediate past president of the AGC; Richard Allen, inspector with Cottrell, Vaughn, James N. Rowland, engineers; Joe Della Longa, registered architect and chief plan checker for the City of Albuquerque; and Mike Miller, certified public accountant with Peat, Marwick, Mitchell & Co.

The conference emphasized cost savings and improvement of relations with others on the job, including workmen, inspectors, specialty contractors, and owners. It included input from the experienced registrants as well as from the instructors.

oregon

The "Status of Things"

Our good man in Eugene, Paul Edlund has sent along a concise survey of some of those "little things" bugging the profession in Oregon . . . to wit:

"Problem . . .

"Oregon's Architect Licensing Law prescribes that 'documents . . . shall bear the stamp of the architect responsible for the preparation thereof . . .' (ORS 671.041-2) and yet, the Examiners Board has been instructed by the Attorney General to revoke registration

certificates of architects who affix their seal upon the work of their consultants (an architect shall not affix his seal upon . . . specifications and drawings that were not prepared by him or under his personal supervision by his regularly employed subordinates.' — ORS 671.090-7).

"Problem . . .

"For years, the profession has been concerned about the arbitrariness of permitting non-licensed persons to perform architectural services for buildings less than 4,000 square feet in ground area and or 20 feet in height (ORS 671.030-2)

"Problem . . .

"Corporate practice causes the Board considerable administrative difficulties.

"Problem . . .

"Should architects be required to supervise (observe???) all work under their jurisdiction?

"Problem . . .

"Should "small building designers" be licensed, and if so, should "their law" be included as part of the "Architect's" law?

"Problem . . .

"Is the current Architect's licensing law truly in the public's interest?

"These are but a few of the problems and contradictions existing in the Oregon Architect's licensing law now in force. The Oregon Council of Architects, AIA, is trying to resolve them . . .

"OCA President Jon Kahananui has appointed a most able study committee

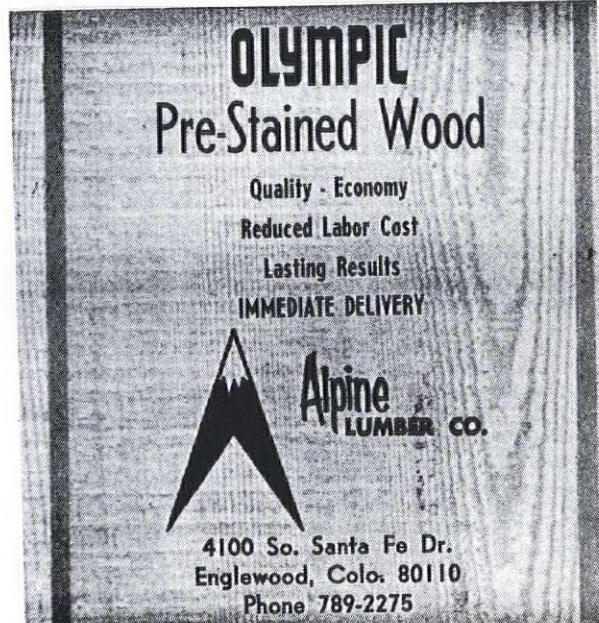


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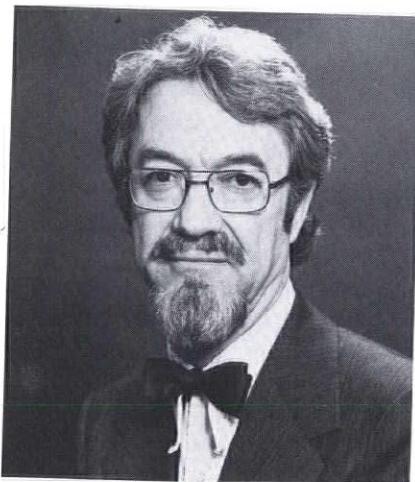
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chaired by Salem Architect, Phil Settecase. Assisting Settecase are Loyal Lang, Immediate Past OCA President Benny DiBenedetto, Jack Annand, Jerry Brewster, and Neil Farnham, all of Portland, Kiehl Chrisman, and OCA Legal Counsel Evelyn Ferris of Salem, Examiners Board Immediate Past President John Briscoe, Past OCA President Jim Bernhard, National Accrediting Board President John Amundson, and Kahananui, all of Eugene.

"The Study Committee, if they remain on schedule, will provide a copy of their proposed revisions to each Oregon Architect by the first of July. Upon receipt and consideration of constructive comments, the Committee proposes to present their recommendations to Legal Counsel for final drafting and submission to the 1975 State Legislature."

And that tells the sad story very adequately. Thanks a million, Paul we hope the answers are on the way!

utah



Smith Joins Richardson

Richardson, Richardson and Associates, Architectural and Development firm, Salt Lake City, has a new Associate with a familiar face. He's Wm. Rowe Smith who will assume major responsibilities in Project Production. Prior to his recent extended stay in Oregon, Rowe was for some 17 years in private practice in Utah working primarily with School, University and Institutional projects. Three of his school projects were selected for the AASA Exhibit with one receiving further recognition in an International exhibit in Zurich.

His service to the architectural profession and community has been extensive having served in every office including President of the Utah Chapter, American Institute of Architects. In public

service he spent four years on the Board of Adjustment Utah County Planning Commission; four years on the Construction Industry Seminar; three years, Utah State Examining Board for Architects, and was a member of the Design Development Committee for the Salt Lake City Second Century Plan. In 1965 he was the recipient of the Producer's Council, Architect of the year Award for outstanding service to the Community and Profession. He has served as a member of the National Council of Architectural Examining Boards and the AIA committee on Professional practice.

The Smith family includes wife, Catherine and son, Paul, four married children and one son attending Portland State College. Many will recognize Rowe for his devotion to personal interests including family, golf and community service. He is an accomplished artist having exhibited and taught water color in Utah and Oregon galleries.

washington

London Program/WSU

Our Man in Spokane, Fred Creager reports on a new program for the Spring Semester at Washington State University. Comments Fred—"It sounds exciting . . . enough so I wish I could sign up for it." . . . we heartily concur.

In essence the program, as outlined by Assistant Professor of Architecture, Robert J. Patton, is ten weeks in London for 17 students. The young people are from the third and fourth years of the five year professional program at WSU. Covering the normal 16 week semester, the first six weeks will be spent in regular lectures . . . but all work is directly related to activities with which they will be involved in England. Students left for Europe on March 28 and are living with English families; they commute daily to City University. While in London, each student will conduct an on-site analysis of a significant ur-

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ban area, study the postwar British New Towns planning program and prepare papers on English buildings of historical significance. In addition to classroom work, tours have been arranged to the University of Manchester, six new towns and a number of overnight excursions to historical sites including Stonehenge, Cambridge, Salisbury, Brighton . . . etc. etc.

The students also have an option of returning on June 16 when the academic program ends on the round-trip charter flight or they may postpone departure until August and spend the summer in Europe. The entire WSU program in London is being administered by the American Heritage Association of Lake Oswego, Oregon . . . a non-profit organization sponsoring study-abroad programs for secondary and higher education institutions in the Northwest.

Barrier Free Design

The Seattle Chapter/AIA picked a most appropriate time for its program on Barrier Free Design. On March 21, four notable panelists discussed this important topic. They were Barbara Allen—Barrier Free Design Consultant for the Easter Seal Society and State Vice-Chairman for the Governor's Committee



When Richard Ehmann, FCSI, Co-Chairman of the Host Chapter Committee for the C.S.I. Grand National, June 24-26, in Portland was in Denver, he told us of the fabulous program being arranged for the whole family. The events planned for "the moppets" (6-9) are marvelous. Above—one of them, Chief Lelooska, dressed in Kwakiutl chieftain's regalia, in the Northwest Indian Potlatch House . . . and what a program he presents. Just one of many this June when "everything's comin' up roses"!

on Employment of the Handicapped and Robert L. Krueger, since 1970 Director of Building, King County Building Division and Chairman of the Executive Committee of the Washington Association of Building Officials. Also on hand . . . Lester J. Gillis, P.E.—since 1967, Assistant Superintendent of Buildings for Seattle and Past President of the International Conference of Building Officials and Paul Hayden Kirk, FAIA, partner in the firm of Kirk, Wallace and McKinley—a firm which has done work on every college campus in the State.

A most impressive line-up for a good program.

wyoming

New Governor's Mansion

The AIA Competition for the design of a new Governor's mansion has been successfully concluded in the Cowboy State. Winner is the firm of Kellogg and Kellogg, Cheyenne. Judging was done in late March by a Jury of Max Flatow, FAIA, of Albuquerque, Bill Muchow, FAIA, of Denver and James Hunter, FAIA, of Boulder. Incidentally, Jim may have "retired", but he's as busy and active as ever—he has just wound up his assignment as Professional Advisor on the competition for the Colorado State Judicial/Heritage complex to be built in Denver.

Professional advisor for the Wyoming Governor's Mansion competition was

Morris C. Jones, FAIA, who is University Architect for Wyoming U. in Laramie.

More to come on this one!

CSI Region 10 Wrap-Up Continued

"have-nots"—which may, by now, include the U. S. of A. Dr. Meinel showed the solar experiments he and his wife and colleague, Marjorie, have performed in their own home. There is more to it than just a "solar collector"—far more sophisticated thermostats are necessary and added Meinel, "few people are gadgeteers as we are"—they don't want to be bothered.

His answer is the solar power farm where the sun's energy is converted on the spot into electricity. The technological ability is at hand, and he concluded with the somewhat startling statement that a solar farm of about 15,000 square miles could provide energy sufficient to supply the entire U. S. at the projected requirements of the year 2000. "The deserts of the earth could be God's greatest gift and the source of abundant non-nuclear energy for this planet."

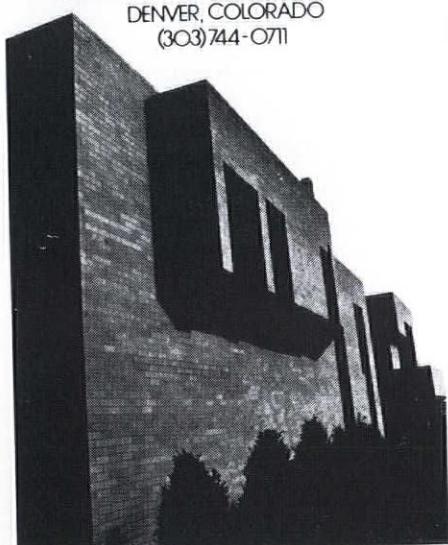
*Not enough paper for the package.
We'll be back next month, to put on
the bow.*

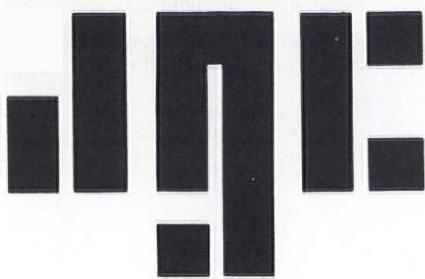
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The Grand National!

For the third time in eight years, the Associated General Contractors of America chose San Diego (at Symposia, it's 'Sandy Eggo' thanks to Boyd Blackner's six year old) as the site for their Annual Convention and Exposition. About 4,500 strong, general contractors, wives and guests met March 8-13 seeking solutions to problems—ie: fuel and materials shortages, inflation, productivity, federal job safety regulations and restrictive labor practices. An impressive array of government officials, Congressmen and industry representatives were on hand including Vice President Gerald R. Ford; Senate Majority Leader Mike Mansfield and Jenkin Lloyd Jones, editor and publisher of the *Tulsa Tribune* and a past president of the U. S. Chamber of Commerce.

James M. Sprouse, Executive AGC Director, told members, "The construction industry may find itself in the enviable position of being a bright spot in a generally gloomy national economy. The need to build power generating facilities, pipelines, steel and other material processing facilities, waste treatment plants and transportation facilities could spur construction volume to an all-time record high." Mr. Sprouse warned however . . . "one thing is certain in this uncertain industry. Wage demands in 1974 will be greater than in 1973. Greater wage demands are in store for the coming bargaining season . . . in which major collective bargaining agreements covering five and a half million workers, one half million more than in 1973, will expire."

Honors and Awards

The Nevada Chapter/AGC placed first among 135 chapters in the United States in AGC's National Public Relations Contest. This is a second time around for Nevada—the only chapter to repeat during the nine years since

the Award was first established in 1964. The Award was presented to Everett Brunzell, Chairman of the AGC Public Relations Committee and Rowland Oakes, Secretary Manager of the Chapter. Serving with Mr. Brunzell on the Committee were Dave Armstrong, Reno Buonamici, Louis Capurro, Les Demeritt, George Ferrari and Harry Lemon. The Community Awareness Committee, chaired by H. M. Byars, also received recognition for its activities during 1973. James Thornton is "fearless leader" for the Nevada AGC Chapter.

AGC Scholars

The Education and Research Foundation of the AGC has awarded \$37,000 to 15 undergraduate students preparing for careers in the construction industry. One third of them—four men and one woman—are from our part of the world . . . and it is our pleasure to salute them!

From Arizona—Katherine Ann Peterson, 20, a sophomore in Construction Engineering at A.S.U.—the daughter of a GC, Miss Peterson has had considerable office experience including cost accounting and is a member of ASU's AGC Student Chapter.

From Montana—29 year old Dwain S. Salveson, sophomore in Construction Technology at Montana State University in Bozeman. Dwain has a dad in the construction industry and has worked as an expeditor and draftsman. He would eventually like to own his own construction company.

From New Mexico—James R. Covy, 25, sophomore Civil Engineering student at New Mexico State University. He has construction experience as a grade setter and instrument man on survey teams and is an active member in the student chapter of the American Society of Civil Engineers.

Rafael J. Munoz of Berino, New Mexico, is just 18—the only scholarship winner who comes into the program directly from high school. He will at-

tend New Mexico State University this fall—his major interest is Civil Engineering.

From Oregon—Kenneth M. Fredrickson, 19, a native of Salem and a sophomore in Civil Engineering and Civil Engineering Technology programs at Oregon State University. He is a member of both the AGC and ASCE student chapters and for the past two summers has worked on concrete testing experiments and surveying teams.

Congratulations, One and All!

(A special "thank you" for this coverage goes to Tom Gilmore of AGC/C—Building Chapter. Much appreciated, Tom!)

New Mexico Meeting

On March 20, members of the New Mexico Building Branch/AGC learned of the impact on the state's economy and environment presented by the construction of the Four Corners power plants. Principal speaker at the meeting was Dr. Martin Fleck, consultant with the Public Service Company of New Mexico. Dr. Fleck retired in 1970 as a professor of Biology at the University of New Mexico to assume his present position with PSC as an environmental consultant. He is also a member of the Bernalillo County Medical Center Scientific staff, the Quality Air Control Board, the New Mexico Radiation Advisory Council, Mid Rio Grande Health Planning Council, Air Pollution Control Association, Colorado River Water Users' Association and the Colorado Plateau Advisory Council. Quite a bill of fare, n'est pas?

Briefing Presented

The Construction Advancement Program (CAP) of the AGC/C Building Chapter sponsored a panel presentation on April 19 at the Federal Center. Recent changes in the Metro Denver Construction Plan, the result of the revenue sharing program with the City and County of Denver, were explained. While changes are minimal, they are most important to contractor participation in affirmative action programs. Making the presentation were Sam Martinez, Regional Director of the U.S. Department of Labor; Jay Sauls, Regional Director for Office of Federal Contracts Compliance and Al Martinez, Director of the Denver Plan.

Preservation and Building Codes

First National Conference

The growing problem between preservation projects and building codes will be explored for possible solutions at the first conference on Preservation and Building Codes to be held May 18-19 at the Hotel Washington in Washington, D.C. The National Trust for Historic Preservation is the principal sponsor with co-sponsorship shared by the Advisory Council on Historic Preservation; the American Institute of Architects; American Insurance Association; Association for Preservation Technology; Building Officials and Code Administrators, International; the International Conference of Building Officials; National Conference of State Historic Preservation Officers; National Fire Protection Association; National Register of Historic Places/National Park Service and the Southern Building Code Conference.

Preservation projects from the historic small house museum restoration to the urban or rural historic district often face difficult compliance problems with modern safety and building codes. Despite this, there is an area of commonality between preservationists and code officials which will be explored at this first Codes Conference. Discussion will focus on how preservation can be accomplished through the co-operation of architects and code officials and how state and federal governments can preserve important structures while satisfying health and safety codes.

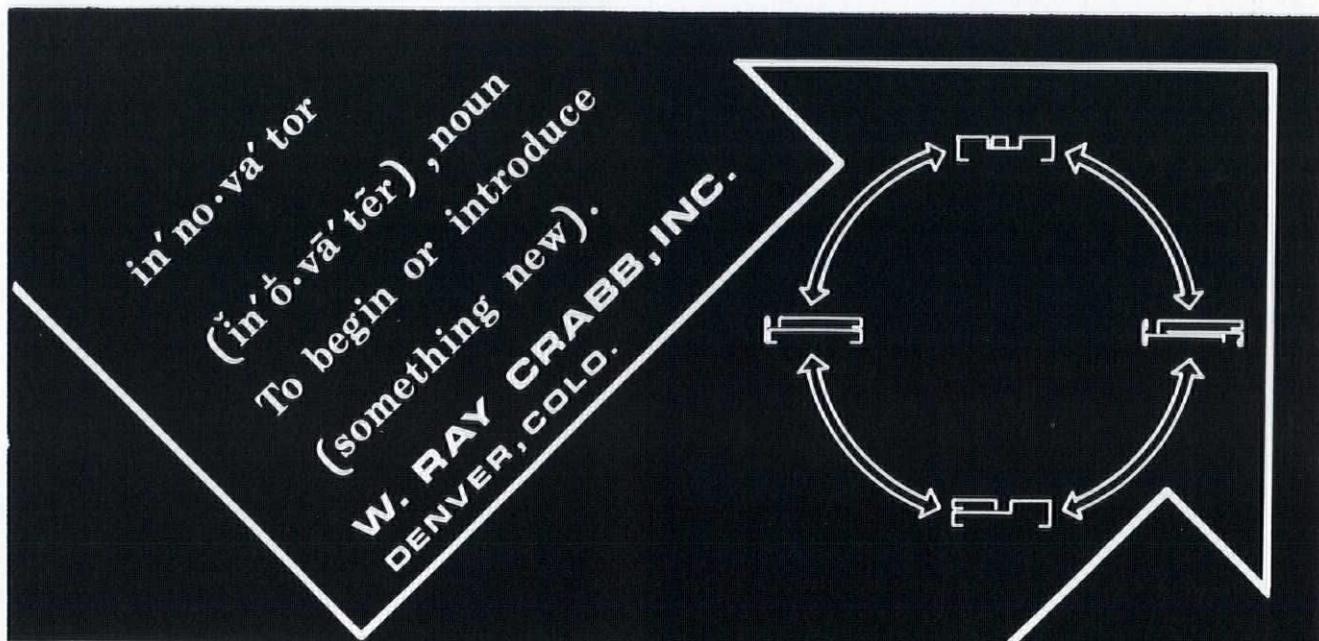
Current views of national code organizations will be presented as well as a nationwide range of solutions in such places as New Orleans, Baltimore and Seattle where projects have been able to meet local code requirements. Further information may be obtained from Russell V. Keune, National Trust for Historic Preservation, 748 Jackson Place, N.W., Washington, D.C. 20006; (AC 202) 382-3304.

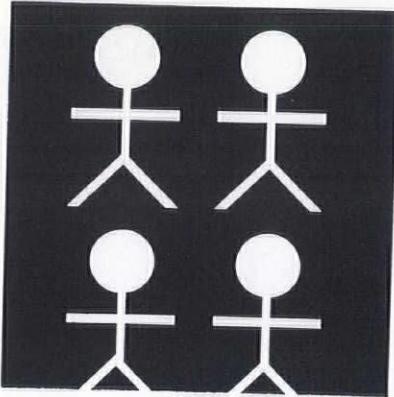
Historians/Preservationists To Meet in Boise

The annual Spring business meeting of the Northern Pacific Coast Chapter of the Society of Architectural Historians has been slated for Saturday, May 11, in Boise, Idaho. Local arrangements for the meeting are being made by Arthur Hart, Director of the Idaho State Historical Society Museum. An interesting program and a tour of Boise buildings is being planned.

On May 31-June 1, the First Regional Conference on "Ghost Towns and Mining Camps" is being held at the Idaho State Museum and the Boise Public Library. This meeting is being cosponsored by the National Trust for Historic Preservation, the Rocky Mountain Arts and Humanities Foundation, the Idaho State Historical Society, and the Idaho Preservation Council. Principal speakers will include Dr. Joe W. Clark of the United States Forest Products Laboratory in Madison, Wisconsin. Dr. Clark is an expert on the preservation of wood. Also on hand will be John Conron, long prominent in preservation activities and President of the New Mexico Society of Architects, and Thomas Muths of Jackson, Wyoming. Tom is Wyoming's AIA Preservation Officer, active with the National Trust and Symposia's Contributing Editor on Historic Preservation. Topics to be discussed during the two day Boise meeting include legal problems, fund raising, new uses for old towns, documentation and interpretation and fire prevention and detection. This last topic is of particular importance since many old and largely abandoned mining camps and ghost towns have been destroyed by fire.

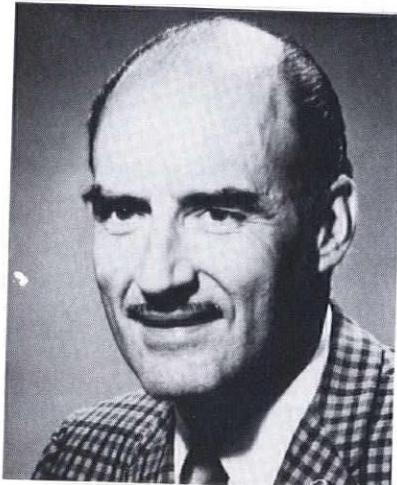
If you wish further information on this meeting, please contact the Western Regional Office of the National Trust for Historic Preservation at 902 Montgomery Street, San Francisco, California—94133.





UP UP With People!

(A brief report honoring Professional and Industry members in our Symposia Region who have achieved some of the "good things in life" in the past few weeks.)

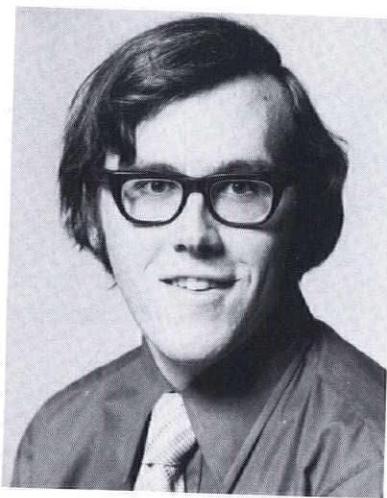


UP WITH "MAC"!

A well-deserved honor has come the way of Landscape Architect, F. J. Mac-Donald of Phoenix, Arizona . . . he has recently been elevated to Fellowship by the American Institute of Landscape Architects. Only eight Institute members have received this honor since AILA was founded nearly twenty years ago. The official citation reads . . . "for his rigid adherence to the highest principles of the profession, his many contributions to the field of landscape architecture, and his tireless efforts in behalf of the Institute."

As many of our readers know, "Big Mac" is a long time member of our Symposia family, serving as our Contributing Editor on Landscape, and has had his own practice in the Valley of

the Sun since 1954. He is something of a specialist in land planning and in the preparation of environmental impact studies as well as the design of custom residential projects. Dedicated to environmental improvement, "Mac" is Chairman of the Governor's Advisory Commission on Arizona Environment, serves on the state's Environmental Planning Commission, the Governor's Fuel and Energy Advisory Commission and the Arizona Rural Development Commission. He is also an arbitrator on the National Arbitration Board. Mighty happy to say — "Up With Mac" on this happy occasion. Wear the F.A.I.L.A. in good health!



UP WITH LERUDE!

Winner of the state scholarship of \$1,000 from the Consulting Engineers Council/Colorado is D. Gary Lerude, University of Denver electrical-electronics engineering student. Gary is a Junior with a 3.861 grade average and competed with twenty-two other students in the annual competition sponsored by CEC/Colorado to lend a helping hand to engineering students in pursuing a career in the field of consulting engineering. A resident of Reno, Nevada, Gary has worked for KADX-FM in Denver and KSRN in Reno and plans to pursue a career as a consultant to the broadcasting industry. He will join other winners from ACEC member organizations in competing for a national scholarship of \$3,000 for a two-year period if a sophomore, or \$1,500 if a Junior. Chairing the CEC/C Trustees for Scholarships this year was Bob Nedell of Denver.



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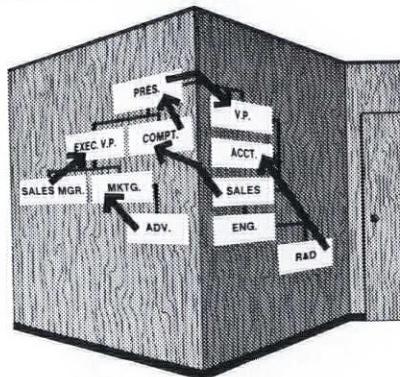
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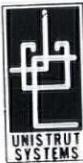
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**the
last
word:**

Whatta warming for the new offices of Colorado Consulting Engineers Rice, Marek, Harral and Holtz at 6073 West 44th. Heaps of goodies (including barbecued moose provided by Hunter Bob Rice) and "Engineer's" Punch . . . it does! All this and billiards, too.

Congratulations are in order! Newly elected as CSI Northwest Section Director - A. Larry Brown of the Portland Chapter. Larry will assume his new office on July 1 (FY 1974-'75).

Region 8 members of National Women in Construction will gather for their Annual Forum in Salt Lake City - May 17-19.

Howard S. Cottrell and Richard G. Vaughan announce the change of their corporate name to . . . Cottrell/Vaughan and Associates, Inc. This firm of Engineers, Architects, Planners are located at 4125 Carlisle Boulevard, N.E. in Albuquerque.

Allen L. Keeson, AILA, of Denver has recently received a Merit Award in the Environmental Improvement Awards Program sponsored by the Associated Landscape Contractors of America, Inc. Keeson was cited for outstanding work at the Mission Viejo Model Complex in Aurora.

The Southern Arizona Chapter/AIA has a new Director. He is Phil James, formerly the Director of both P.I.O. and Community Relations for the City of Tucson.

Bigger and Better! Metro Denver Homebuilders are now 865 members strong . . . sixth among the 540 local associations in the National Home Builders Association. Congratulations to them and to Exec. Loren Cahill.

NEW ARRIVAL! Proud parents of newly established HQ - the Puget Sound Chapter/CSI. The Office is located in the AGC Building, 1200 Westlake Avenue - N. Seattle, Washington - 98109. Telephone: (AC-206) 285-0452. A Blessed Event!

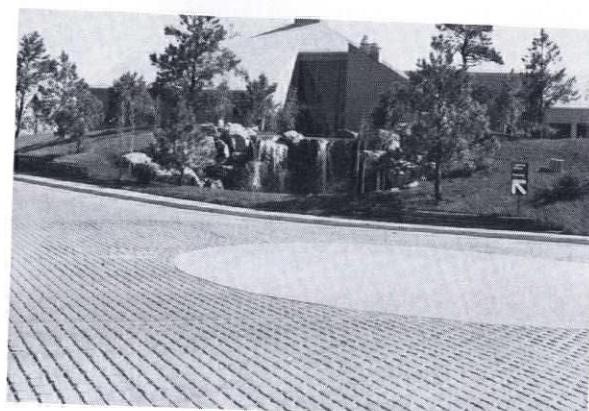
Great to see some old and dear friends on our recent excursion to Sun Country . . . Kitty (Mrs. Sid) Little; Harriett (Mrs. Brad) Kidder and Helen and "Frosty" Hyatt. Wonderful folks!

Denver's Producer Council members meet with Hospital Maintenance Engineers on May 6 at the new Lutheran Hospital Cafeteria. A new contact for PC arranged by Bob Cain of American Standard.

On May 15 in Portland a joint meeting - AIA and AID. Should be a winner!

From the latest "Inlet-Outlet" (newsletter of the Cook Inlet CSI) "Due to technical difficulties beyond my control the news letter is late for the March meeting. It's a girl." ? Which Editor? Ron Campbell? Kit Duke?

Built any concrete bridges lately? Enter Portland Cement's 2nd Annual Awards Program for the states of Alaska, Colorado, Idaho, Montana, New Mexico, Oregon, Utah, Washington and Wyoming. Entry deadline - June 30th. Contact your nearest PCA office for details.



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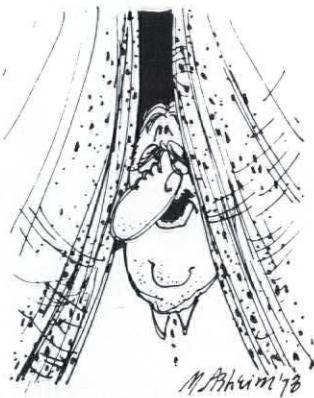
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F. M. Fox and Associates, Consulting Engineers and Geologists of Denver, have opened an office and laboratory in Portland, Oregon. Bon Voyage!

AIA Newsletter "Memo" did a story complete with picture of AASA Cooper Award winning school . . . that's Lewis-Palmer Elementary designed by Colorado Springs architects Muir and Young.

The Seattle Chapter/AIA enjoyed a most exciting meeting on 18 April. The case in point: viewing and program of the new Law Building and Construction Law at the University of Washington with Mitchell/Giurgola Associates.

Newest associate with the firm of Vanderwood and Henry in Grand Junction is James L. Kramer, P.E., who will work primarily in Mechanical and Structural Design. An expanding office!



OPENING YOUR CURTAINS DURING THE DAY AND CLOSING THEM AT NIGHT IN THE WINTER WILL MAKE USE OF NATURAL HEAT, PREVENT HEAT LOSS, AND SAVE ENERGY.



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Albuquerque CSI Chapter Prexy, Don Paxton (Bridgers and Paxton, Mechanical Engineers) is showing around pictures of his retirement home! It's a honey of a sailing ship now anchored off the Florida Coast. How about a stowaway or two, Don?

Any prize donations for the I.E.S. Regional Golf Event will be most appreciated. Contact Jack Kitson at 571-7537 in Denver.

Friend Cal Hoiland up JPB way commented on 9 March - "The Montana Legislature is still in session . . . can't see that they've hurt us . . . can't see that they've helped. At least they had the decency to vote down a pay raise for themselves. I'd hate to see them paid more for doing less." Right On!

Architectural Secretaries have scheduled their Grand National for May 17-23 at the Shoreham Americana Hotel in Washington, D. C. One more rider on the Merry Meeting Go Round!

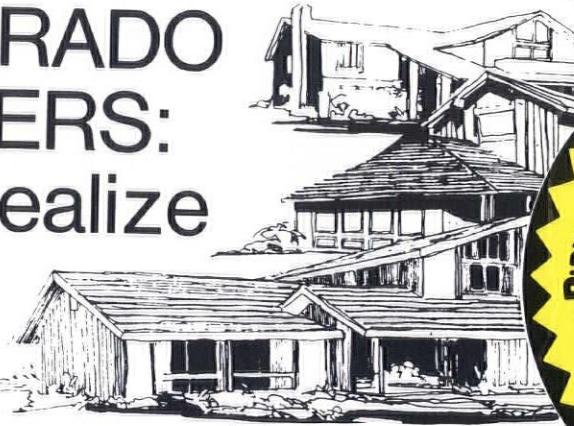
Ib Jorgensen, CEC/C, has been elected a Fellow in the American Concrete Institute. Laurels for Ib!

Intergroup, Inc. Colorado professional planning, architectural and interior design firm is now incorporated and relocated. New address - 787 Nile in Golden.

The 52nd Annual Conference of the Colorado Municipal League is slated for June 19-21 at the Broadmoor in Colorado Springs.

In June—Everything's Comin' Up Roses! And you are all invited as Symposia celebrates our Happiest Birthday Ever beginning the 9th year of publication with "some kinda" birthday present.

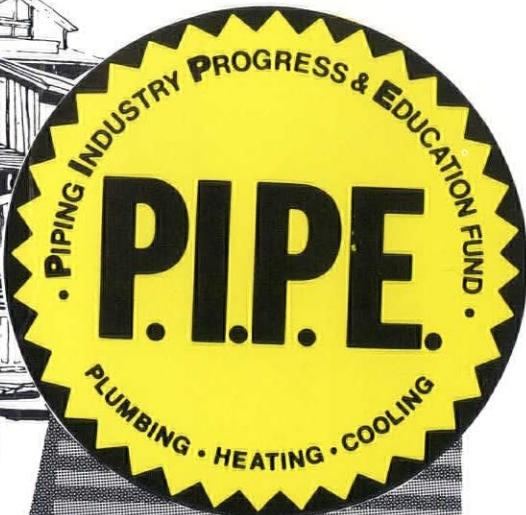
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that
quality
plumbing and heating
makes a house
a home...



We have to hand it to you.

All the glamour of a beautifully designed and landscaped home or apartment can vanish overnight if a family must learn to make do with second-best plumbing, too-few bathrooms, or inadequate piping facilities. But starting June 1, Colorado homebuyers will be able to look to the P.I.P.E. Blue Ribbon Award as their assurance of superior plumbing and piping. Builders can become eligible for the Award by installing the 10 P.I.P.E. plumbing and piping features in every unit they construct. These features include:

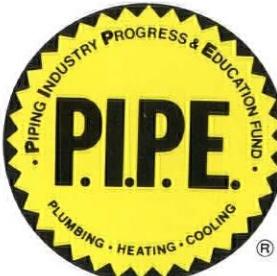
- Adequate gas* piping and properly designed heating equipment for hydronic heating or gas* warm air heating.
- A gas* water heater with a five year unconditional manufacturer's warranty.
- High corrosion-resistant valves and faucets with replaceable working parts.
- Commercial Grade "A" plumbing features.
- At least two bathrooms in dwellings with two or more bedrooms.
- A food waste disposer.
- At least three exterior hose outlets; two, if a lawn sprinkler system is provided. These outlets to be protected by freeze-preventive sillcocks.
- A pressure regulator where the main water pressure exceeds 80 psi.
- Adequate water and drain facilities for automatic washer and a gas* dryer outlet.
- A main water shutoff valve and independent shutoffs for sinks, lavatories, and water closets.



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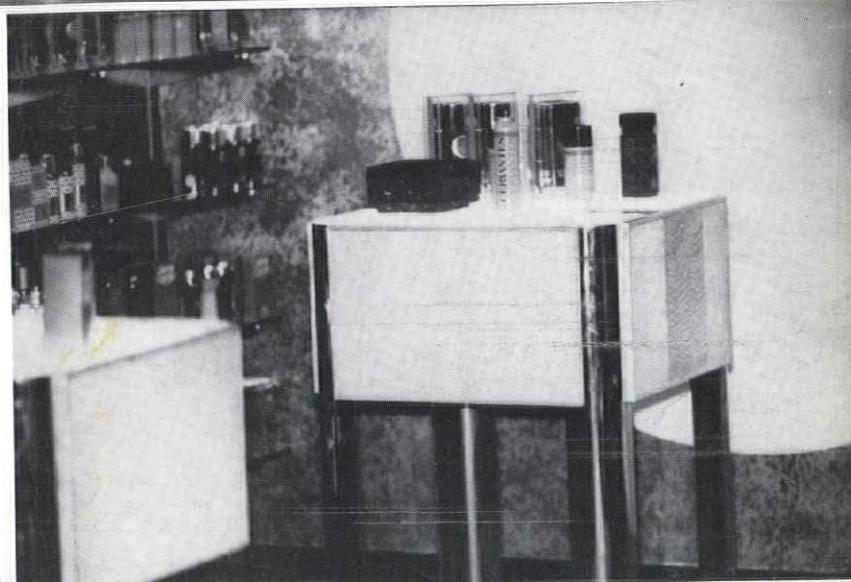
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