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december, 1967

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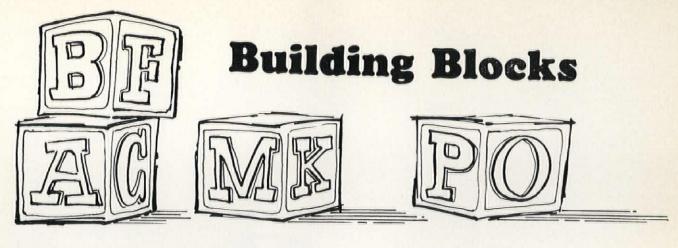


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This photograph shows Richlawn's thick velvety turf rolled back to reveal the strong root system. Note: cement beneath turf.



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Atop the parking garage of Denver's swank Polo Club apartments stretches sixty thousand square feet of velvety lawn, complete with three-hole golf course, trees, shrubs and handsome lanterns. Almost half the size of a football field, this roof top garden marks yet another first for Mr. Mel Rich of Richlawn Turf Farms, Inc. This challenging new concept developed by Mr. Rich required no structural changes in the garage roof itself. The one-inch sod is laid on a pea-gravel overlay on 11/2-inch rock. Extensive tests were made of the sod complex to determine its weight under all possible conditions . . . and the weight control is a Richlawn exclusive. Despite dire prophecies to the contrary, the Polo Club garage roof was sodded during bleak, cold January weather and is actually easier to keep weed free, healthy and uniformly green than lawns planted directly on soil. Mel Rich says they will sod lawns at any time except Christmas Day - "We like to take Christmas off."

Campuses of the Universities of Colorado and Wyoming, the Denver University Memorial Gardens and the C.U. football fields are all Richlawn's, and the unique field at the Air Force Academy was yet another Richlawn first. A heat grid, financed by funds provided by the Athletic Association, is the foundation for the fine green turf at Falcon Stadium . . . the only such field of its kind in the United States.

If you have any roofs, sidewalks or blacktop that need sodding, get in touch with Mel Rich at Richlawn . . . they have four Colorado offices, Denver, Colorado Springs, Pueblo and Boulder. The hanging gardens of Babylon are back in business—your roof can look like a putting green.

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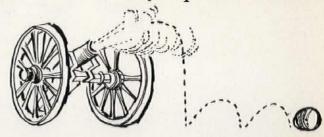
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a symposia salute



TO:







Dr. G. Homer Durham

Arizona State University—Tempe, Arizona

Our double-barreled December Symposia Salute is fired to honor Dr. G. Homer Durham, President of Arizona State University and Dr. William S. Peters, Director of the University's Center for the Study of Urban Systems. In the establishment of such a Center, Arizona State University has taken a tremendous stride forward to stimulate and facilitate the study of urban affairs and urban problems. Organized on an intercollege interdepartmental basis, the Urban Center not only serves the academic community but is the focal point for interaction between the University and the area it serves.

Of particular significance is the Urban Systems Seminar Series being presented under the auspices of the University and developed by the Brookings Institution of Washington D. C. This program began in October, and will continue through the academic year, bringing to faculty members and to public officials involved in urban affairs, a number of visiting lecturers of national importance, and other materials for independent study. This program establishes a mechanism for continuing cooperation between local policy makers and the social scientists having access to the new knowledge and results of research relevant to urban policy.

Symposia is proud to salute Arizona State University, its President, its Trustees and Dr. Peters for its concern for the community, for the establishment of a Center for the Study of Urban Systems, and for making knowledge available to the area it serves by bringing to the Central Arizona area, the Brookings Institution's Urban Systems Seminar Series. This is in the finest tradition of academic learning and service, and well worth exploration by other Universities in the Western Mountain Region.

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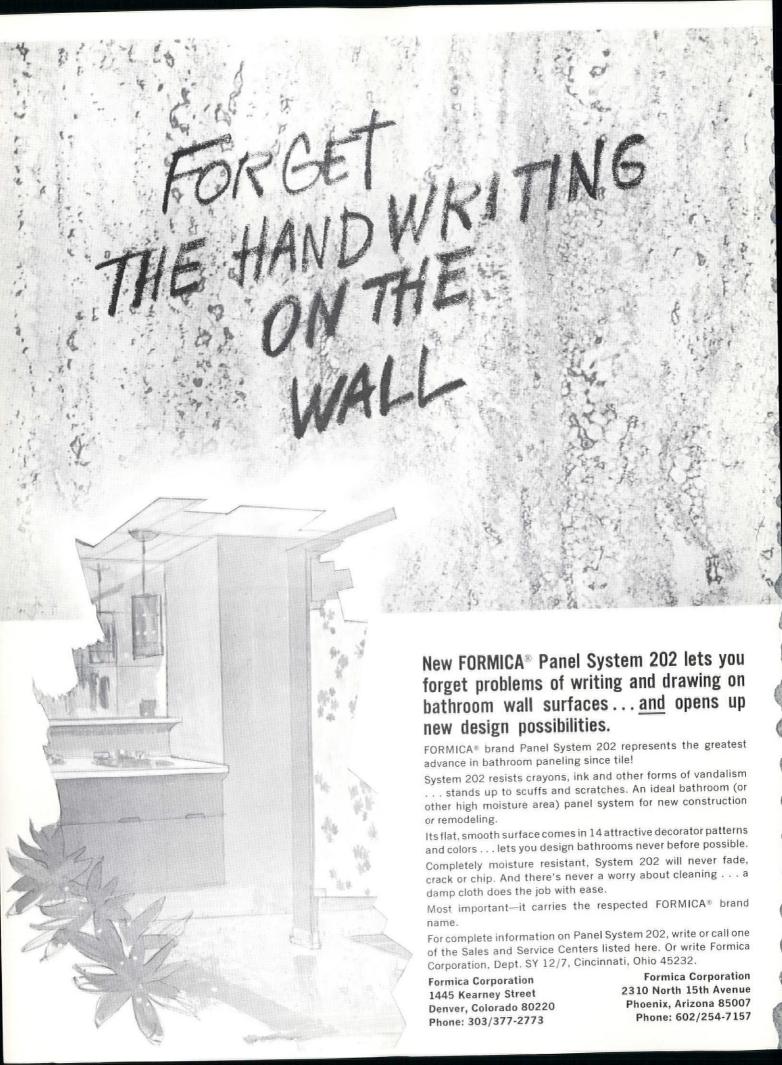
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symposia

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Western Mountain Region Convention

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

VOLUME 2

NUMBER 7

DECEMBER, 1967

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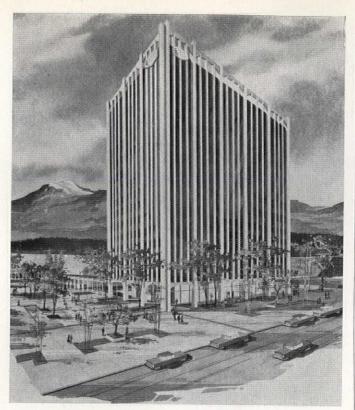
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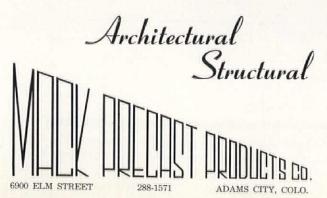
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Prestressed Concrete Institute





A pleasant telephone chat with G.
Meredith Musick, Architect Emeritus
of the Colorado Chapter/AIA. Mr.
Musick was able to really date the
picture of Denver's 16th Street looking down toward the Daniels and
Fisher Tower which appeared in our
October issue. Un-dated by the State
Historical Society, Mr. Musick felt
certain that this picture was taken
some five years prior to the time
given in our cutline. Our thanks to
this fine gentleman for his interest
in Symposia.

Colorado will be the scene of yet another "big" meeting in 1968. May 13-15, the National Association of Physical Plant Administrators of Universities and Colleges will gather for their 55th Annual Meeting at the Broadmoor Hotel in Colorado Springs. One of the features will be a presentation of the fine work being done by the Construction Practices Council in New Mexico.

Just a reminder that February 1, 1968 is the deadline for entries in the CSI Specification Competition—a program promoting improved specifications practices. Check your October issue of "Specifier" for rules, regulations, categories and place for submittals. Winners will be announced at the 12th Annual CSI Convention which will be held in Denver—May 27-29.

Consulting Engineers Council/Utah members and wives enjoyed a special evening dinner meeting at the Willow Creek Country Club on November 1st. Honored guest at this occasion was Assistant Director CEC/US, Larry Spiller. Idaho and Wyoming consulting engineers were also on the invitation list.

Architect Harlan Rathbun has returned to Denver from Cincinnati and has opened an office for the practice of Architecture at 1405 Federal Boulevard.

A letter from Bradley Kidder briefly reports his recent European trip--"For the benefit of those who have been to Italy, and those others who know the monuments from pictures, I would like to say that of the 17,859 statues in a nude or semi-nude condition portrayed reclining on pediments that are sometimes inclined to a 37 degree angle -- not one of them has slid off in all these years." Mr. K., former WMR Director and Symposia Board Member was unable to be in Colorado Springs . . . only the second Regional Convention he has missed in its 16-year history of the Region.

Sol Flax, CEC/Colorado, will represent the Consulting Engineers Council of the United States at the First World Congress of Engineers and Architects in Tel Aviv and Jerusalem December 19-22. Among the speakers at the Conference in Israel will be R. Buckminster Fuller, Louis Kahn and Lev Zetlin.

C. Walter Scott, Region X Director for the Construction Specifications Institute, has been whirlwinding it thru his territory. He was in Albuquerque on November 14th and Denver on November 15th. This is something of a prelude to the Region X Convention scheduled for Januery 25, 26 and 27 in Albuquerque.



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The American Institute of Architects has named Alan Fisher to the post of State Preservation Coordinator for Colorado. Symposia congratulations to Alan who has lent his considerable knowledge and talents to these pages on many occasions.

Ken Wright was Colorado's prime representative at the CEC/USA semi-annual meeting held in Seattle in November. Items on the agenda included discussion on the new Code of Ethics, a review of legislation and a report on the CEC advertising program.

The American Institute of Architects will join the Consulting Engineers Council in sponsorship of the 1968 Legislative Conference. The two-day event scheduled for January 30-31 in Washington, D. C. will be devoted to briefings on legislative issues and visiting congressional delegations. Plan now to "Meet Your Congressman" in January.



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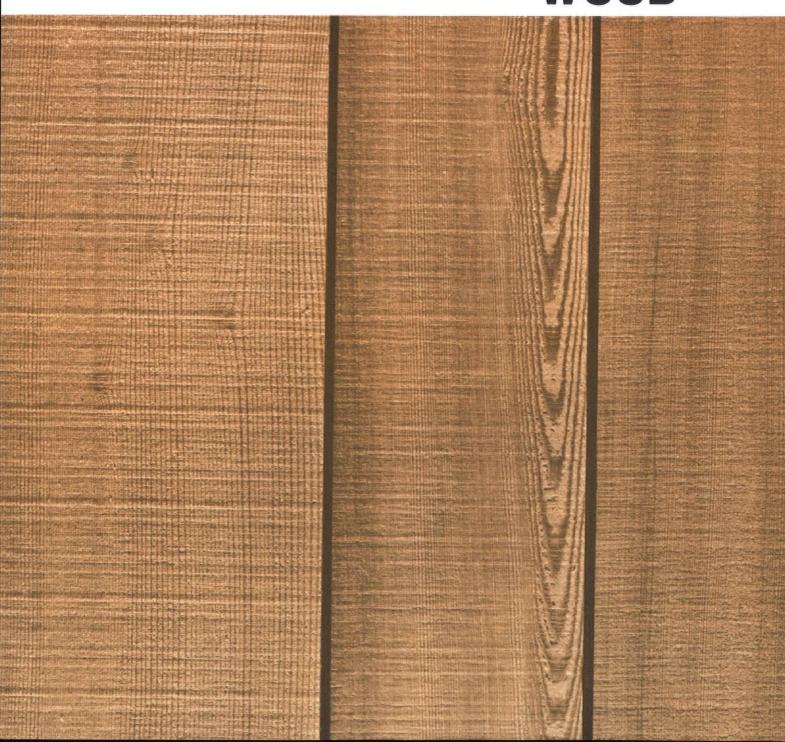
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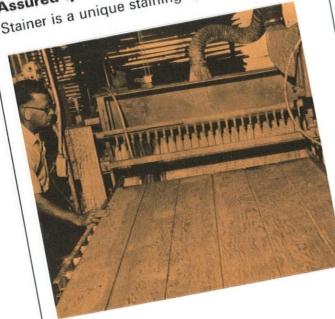
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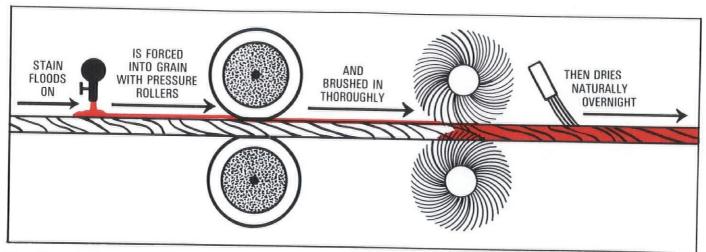
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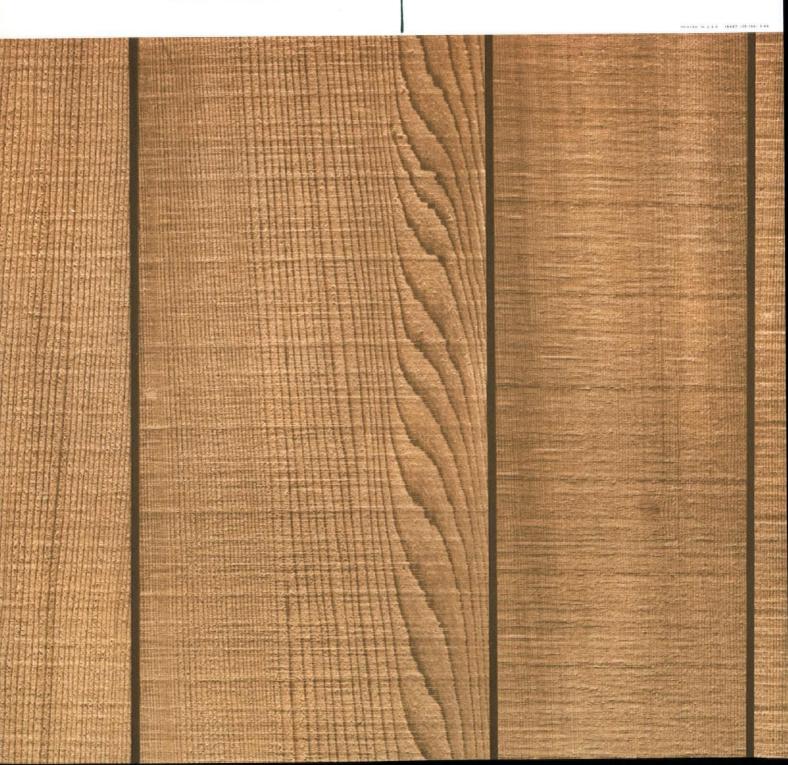
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(Reprinted from "New Mexico Spex"

—Newsletter of the Albuquerque Chapter/Construction Specifications Institute.)

Appetizer! Region 10/CSI 3rd Annual Convention

Just to whet your appetites a little—here is a brief report from Editorial Board Members, James R. Cushing of Albuquerque and C. Walter Scott of Salt Lake on what the Third Annual Region 10 Convention promises Construction Specification Institute conferees in Albuquerque on January 25, 26 and 27.

General Chairman for the Host Chapter is Stan Borthwick ably assisted by Bob Schmidt and Russ Welch as well as many other members of the Albuquerque Chapter.

Although no headquarters site has been named . . . registration will open at 6:00 p.m. in the lobby of the Desert Inn Motel. An ice-breaker Cocktail function is scheduled at 6:30 in the Motel by the Host Chapter. Dinner follows in "Old Town" (Dutch) at one of America's most charming restaurants complete with growing tree, very "ole" Mexican music and the greatest sopapillas you ever ate!

An Industry sponsored breakfast at 8:00 on Friday, January 26th will be followed by a program (see complete coverage—January Symposia) at the University of New Mexico. At the luncheon, Denver (Host Chapter for the National CSI Convention in May) will review National Conference plans. The program will conclude in time for a social evening beginning at 6:00, and CSI Ladies are very much included.

On Saturday, a tour of buildings under construction has been arranged, with a ride on the longest Tramway in the world to follow climaxed by Luncheon at the Summit House Restaurant . . . (p.s.: Ladies, too!) At 8:00 p.m. on Saturday evening, the Fifth Annual Albuquerque JC Invitational Indoor Track Meet is scheduled as a fitting conclusion to the full course CSI "Square meal" If any additional temptation is needed . . . both George Petty of Arizona and Vice President of the Institute, Harold Keller will be on hand.

The Bill of Fare could not be more interesting with a perfect blend of business, information and good fellowship. Watch for the mailings from the Albuquerque Chapter, and make your plans to be on hand for the Third Annual Region 10 CSI Convention in January!

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SYMPOSIA EDITORIAL BOARD BREAKFASTS AT BROADMOOR



Front, left to right around the table: Publisher Fletcher B. Trunk; Convention General Chairman, John B. Ten Eyck; Walter Zick, Las Vegas, Nevada; Frederick Weaver, FAIA, Phoenix, Arizona; F. Lamar Kelsey, FAIA, Colorado Springs, Colorado; Colorado Chapter President, John Anderson; Roland Proett, Producers' Council President; Patrick Dulaney, Denver, Colorado; Lou Thurber, Mechanical Contractors; Sherwood Ritz, Southeastern Section President; Gerald Deines, Casper, Wyoming; James Barr, CSI, Denver; Dean Sidney Little, FAIA, Tucson, Arizona; Maxwell Saul, AIA/CSI, Denver; Ronn Ginn, Washington, D.C., and of course, ye olde Ed. Not in attendance were Board Members: E. B. Jones Sr., E. B. Jones Jr. and Max Morton of the Associated Building Contractors of Colorado; N. A. Nelson, AGC, Wyoming; E. Vernon Konkel, CEC/Colorado; R. James Noone, CSI in Denver, and C. Walter Scott, CSI, Salt Lake City. From New Mexico—Bradley P. Kidder, FAIA, Santa Fe, and James R. Cushing, CSI, Albuquerque. A great get-acquainted opportunity which was most rewarding, and should prove fruitful in future Symposia coverage.



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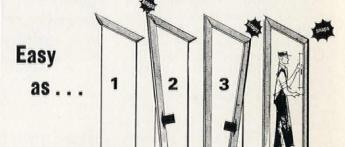
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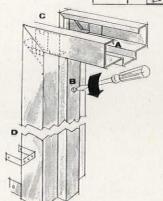
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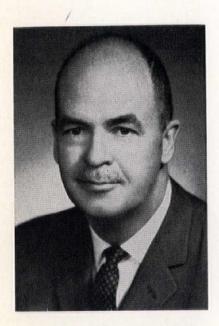
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elevation

Decrying the ineptness and ignorance of officials (elected and otherwise) who set building policies is fast becoming the favorite indoor sport of the architecture/construction community. The accusation frequently and acrimoniously leveled at the "politicos in construction" on levels from Washington down the line is . . . "They don't understand the problem."—"They don't know anything about the Industry." Which is, of course, to a greater or lesser extent, completely true!

However, any member of the design professions or the construction industry who feels such a Sorry State need go on ad-nauseum is overlooking his own abilities. There is no law against these men assuming full responsibility in government-no ordinance forbidding members of the architecture/construction community elective office. The time has come for architects, engineers, contractors . . . all those people who do know and understand the complexities of building . . . to leave the "Advisory Committee" behind, and become mature politically, to nominate and elect representatives at all levels of government, to actively seek a voice in legislation vital to their welfare. Nobel Prize Winner Dr. Isidor Rabi said it emphatically and said it well when he addressed the 98th Convention of the American Institute of Architects: "I have often urged scientific colleagues to enter public service to insert the scientific spirit and scientific culture more effectively into the pattern of our public life. Many of them have done so and some are trying for public office, which until now seemed reserved for businessmen, lawyers, accountants, and the Kennedy brothers. With all due respect, I do not consider this to be a fair sampling of our educated society. Where are our scientists, our engineers, our doctors, our social scientists, our poets and philosophers, and not least, where are our architects?"

In Gilbert and Sullivan's "Mikado," the three principals bewail their manifold problems, singing . . "Here's a How-de-do!" "Here's a Pretty Mess!" "Here's a State of Things." In a sense, we've joined this chorus. We need a new tune, a new libretto and a new attitude. There is no better time than now to begin—1968 is an election year—the architecture/construction community must accept this more responsible role in the political life of America.



Fletcher B. Trunk, President Boyce Publications, Inc. Publishers of Symposia

symposia

design study/schools

kelly walsh senior high school casper, wyoming



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TOTAL COST OF PROJECT INCLUDING FEES AND EQUIPMENT: \$3,111,467.00

TOTAL AREA:

191,476 Square feet including 36,291 Square feet located under gymnasium The Kelly Walsh Senior High School was completed in June, 1965, and was placed in use for the 1965-1966 school year. The school was named for Mr. Kelly Walsh, Assistant Superintendent of Schools for Secondary Education and a longtime educator in the Casper system.

Generally the Project was designed as a circular building complex to meet the demands of modern education and to

reflect the changes in teaching concepts.

As one enters the building, certain areas are noted where specific attention is directed towards the needs of the students. The building was designed as a comprehensive high school to envision growth to a maximum of 2,500 students in such a way as to allow the School Administration complete freedom in the development of the educational processes over the course of the future years.

A master plan was developed for the school of which only a portion has been built at this time — a portion sufficient to house 1,400 students. The central facilities (Cafeteria, Science, Business Education, Administration, Library Little Theatre, Gymnasium, etc.) have been designed to the size which will be required to serve the final population of the school and portions of these areas have been temporarily assigned to serve the general academic subjects (English, Social Studies, Mathematics, etc.). General academic areas have been placed in separate buildings so that, as the School expands, additional buildings may be added, thus providing the required expansion. Provisions have been made for addition, in the future, of a new music area, a new swimming pool area, and a new auditorium.

The Master Plan is designed to permit the operation of the School as a single administrative unit or, if it so suits the administration, as three or more schools within a school as a means of coping with "size." But, whichever choice the administration may make in the future, it is the intention of the Plan that the building will not, in any way, hamper such decisions but has the "flexibility" to bend with the ever-changing directions of education.

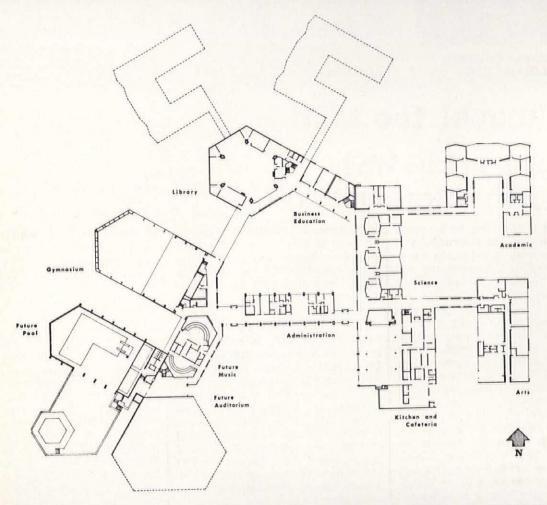
All the facilities have been arranged around a central courtyard which unites all the facilities into a single educational element. It is the belief of the School Board and its administration that education is not a series of disjointed components, but is a whole experience in which each subject matter relates and interrelates with each other activity in the school.

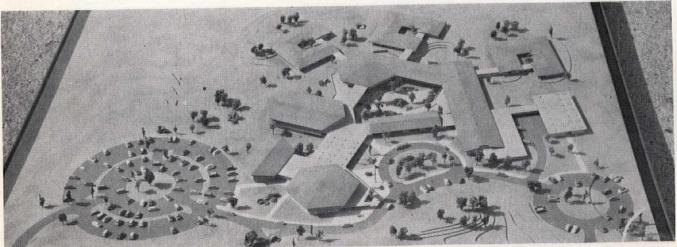
The academic hub of the School is the Library which has been designed to accommodate all foreseeable future growth and physically, to represent it as the hub of all learning processes. Administration is conveniently close to the entrance to help the visitor. The Gymnasium, Auditorium, and Cafeteria are likewise conveniently located to public access and parking. The major physical education space has been provided in the basement of the Gymnasium at minimum cost and in a location which readily lends itself to easy connection with outdoor physical education facilities.

The School is located on the high ground of the 60 acre site at the east end of Twelfth Street, providing the greater part of the site for physical recreation and parking areas. The entrance has been so oriented to provide an entrance courtyard (in the completed Master Plan) as a protection against violent southwest winds and snow drifts so common during the winter.

The exterior materials have been selected to be warmly compatible to their surroundings. The bleached Cedar is a natural material and will last indefinitely in this climate. The pitched roofs and heavy overhangs provide protection from the sky glare, and window orientation and size has been carefully arranged to prevent uneven and unfavorable lighting from ground glare.

In all matters of construction materials, the greatest strength and durability have been chosen to ensure that maintenance will be at a minimum.





First Floor Plan—dotted lines indicate proposed enlargement. The Architect's Model shows the entire site development plan.



B. B. Armstrong, President Associated General Contractors

"Speaking Out" on the problems facing the modern architecture/construction community is an old Symposia custom. In a recent issue of The Constructor, the national publication of the Associated General Contractors of America, President B. B. Armstrong did some pretty straight talking on the spiralling costs of construction, and their causes. His message, we feel, is of real importance to every segment of the Industry—the full text is reprinted here. Mr. Armstrong is a third generation contractor and makes his home in our Symposia region—Roswell, New Mexico, to be specific.)

too much! too fast!

Building Unions Wage Policy Threatens Industry

Millions of words have been spoken and written about the responsibility of the businessman, including the general contractor, to his community and to society as a whole. The admonitions that this responsibility be fully assumed are wholly in order and, generally speaking, are pretty well followed. It is time now, in my opinion, to give thoughtful consideration to the responsibility that businessmen have to one another and to the free enterprise system which makes it possible for their businesses to exist.

In these times of tension and unrest, there is a great need for unity among businessmen to correct the serious problems which plague our society and threaten our free enterprise system. The businessman must realize that, in the long run, it is to his advantage to cooperate with other business groups in resisting harmful practices that can cause vast economic and social damage not only in his own community but in his state and the entire nation as well. I am talking about such matters as inflationary wage increases, restrictive hiring practices and exclusive hiring halls, to name only a few that are of direct and pressing concern to our own industry.

But these problems do not concern general contractors alone. High wage settlements in the construction industry have reached the crisis stage. Such settlements, which are an outgrowth of the glaring imbalance in bargaining positions between the unions and contractors, obviously make construction costs higher for industrial concerns. Furthermore, they add

to the taxpayers' burden in paying for all types of public construction. And, of course, the excessively high wage scales forced on the construction industry inevitably have an effect on demands by skilled workers in other industries.

So the general contractor should not have to stand alone in resisting unreasonably high wage settlements. Unfortunately, in this hurry-up era, with owners pressing for completion of construction jobs, undue pressure is sometimes placed on the contractor to settle strikes at any cost just to get the job done on time-or ahead of time. The unions are well aware of this situation. They know quite well how to exert pressure, directly and indirectly, on any construction firm that is being struck.

The effects of this pressure can be lessened by closer cooperation between contractors and their clients. It is shortsighted in the extreme for industrial management to allow its construction projects to be used as a weapon to aid striking building trades unions. Other members of the business community must be brought to understand the need for patience and restraint in such situations so that we and they can unite in our efforts to resist unwise settlements.

This works the other way around, too. The general contractor cannot afford to take the attitude that he is not concerned if, for example, a cement manufacturer is struck because he will not relinquish the right to manage his own company or if a manufacturer of

plywood, which the contractor needs for his job, is shut down because the manufacturer will not give in to inflationary wage demands of a union. The contractor is concerned - vitally concerned—in such cases. A battle lost anywhere, at any time, on a fundamental issue is a loss for every American businessman and, ultimately, for the consumer, who in the end must pay the price.

I say that the contractor's duty extends to every struck employer who supplies him with materials and services—and that duty includes restraint in threatening cancellation of an order if that struck employer cannot produce on time. As a repsonsible businessman and citizen, the contractor should take positive steps to aid the struck firm, not hinder it. Any other course makes him an ally of the forces of inflation and responsibility. Labor unions should face the stark fact that it is possible for them to price themselves out of business. The nation is fast getting fed up with paralyzing strikes, and there is an increased demand for forced mediation and imposed settlements. If this demand continues to grow it will eventually be met by government. Collective bargaining between management and labor would end. Both free enterprise and free labor would lose their freedom and become servants of the

In construction, owners and contractors must use their proven qualities of leadership to find answers to this overall problem. This is a time for understanding and unified action.

architecture construction Symposial

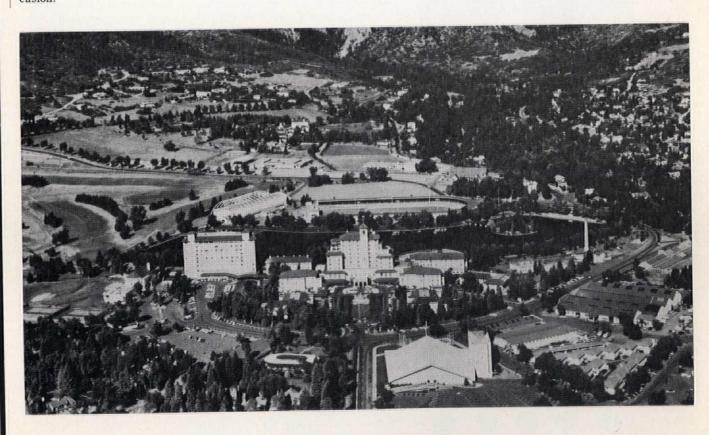
the summary

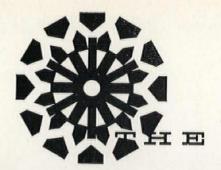
Sixteenth Annual Convention November 5-8, 1967 Colorado Springs, Colorado



From Saturday's boreal breezes in Falcon Stadium to the torrid terpsichore of Vice - President Homsey on Tuesday evening—the Sixteenth Annual Convention of the Western Mountain Region/AIA encompassed all elements of a successful meeting. Three seminars delineated the challenges to the architectural profession made by "The Town Around Us," fine displays of the "tools of construction" and architectural submissions were viewed, awards were presented, and there was much good food and fellowship. Over two hundred and fifty architects, their wives, guests and members of Producers' Council were in attendance. For credits and kudos, we can do no better than to quote Resolution III passed unanimously at the Business Meeting of the Region held Wednesday morning, November 8th. To wit: "WHEREAS: The Colorado Chapter of the American Institute of Architects and our hosts, the Southeastern Section, have extended a hearty welcome, the warmth of which far outshines the bright Colorado sun at this Sixteenth Annual Conference of the Western Mountain Region/AIA . . .

"BE IT RESOLVED: that each of us in attendance at this most successful convention give our sincere thanks to John D. Anderson, President of the Colorado Chapter; Sherwood F. Ritz, Jr., President of the Southeastern Section; John B. Ten Eyck, Conference General Chairman; the Southeastern Section members; Roland Proett, President, and members of the Rocky Mountain Chapter of the Producers' Council for making our meeting stimulating and our visit to Colorado Springs a memorable occasion."





TOWN AROUND US

"Imagination, the power to make images at the urban scale, is lacking. So fettered is our education by word and number, so numbed is our motivation by profit and expediency that the power to make images, to organize something wonderful for people's enjoyment, is dessicated." Albert Bush-Brown

Western Mountain Region Conference, 1967

SEMINAR I

November 6, 1967

Presiding: John Ten Eyck





















EDMUND BACON, AIA/AIP

Executive Director Philadelphia City Planning Commission

A lucid and forceful speaker, Mr. Bacon was eminently qualified to open the Conference on "The Town Around Us." Initially, he reminded architects of the Western Mountain Region of the very virility of their historic structures by noting that Denver's Brown Palace Hotel, "one of the greatest buildings in the United States" had in its seventy-fifth year "spawned a child." He was referring, of course, to Atlanta's Regency Hyatt House "replete with plastic trimmings," and with a revolving bar on its highest level dedicated to the "deification of the cocktail." His challenge to the architectural profession, and the underlying premise of his presentation can be summarized in this statement . . "Architecture, as it is now practiced does not deal with the whole but with the fragments!"

In great measure, Mr. Bacon's slide presentation followed both graphically and in content, his very fine book. "Design of Cities." This volume which includes not only a significant historic tracing of urban architecture through the centuries, embodies Mr. Bacon's own convictions concerning the threedimensional weaving of space, and of the different rates of perception in the simultaneous movement system. Of great interest to the architects present were the slides showing the integrated totality of the Comprehensive Plan developed for the City of Philadelphia. Mr. Bacon stressed the importance of the "green way," located through the middle of the block away from traffic corridors-bringing sculpture "out of the museum" and into areas of commercial concentration - and of the

stimulus provided new and exciting architecture by the creation of "open spaces" within the urban environ-

His valid conclusion was that . . . "If the design function occupies a central role—all of the multitudinous and dispersed and otherwise unconnected efforts of clients and architects can be jelled together into the revitalization of the city."

SIDNEY LITTLE, FAIA

Director/Western Mountain Region Dean of the Architectural College University of Arizona, Tucson Dean Little presented a step by step account of the growth of not only the quality of architectural education through the years since 1922, but of the increasing numbers of young men and women now enrolled in architectural study in the United States. For instance, in 1932, fifty-four schools were graduating 696 architects . . while in 1953, there were sixty schools with 11,000 students of whom 1,700 were in architectural engineering programs. Dean Little cited the tremendous problems faced by architectural schools in the post-war years. At the University of Oregon, with faculty and facilities for 250 students, 880 registrants stretched the educational program beyond belief.

"The ACSO 1965-66 enrollment summary shows 79 schools . . . and the catalog is increasing so rapidly, I, myself, know of three new schools not listed." Concluded Dean Little, "Some of the previously rather informal problems of education can and have become pretty serious!"

The Dean's brief report of recommendations for architectural education now being formulated by the AIA Education Research Project (Princeton Project) indicates an effort will be

made to train four categories of people . . . in two-year blocks of time. Within the structure, there is a period of organized internship which will place great educational responsibility upon the practitioner. The finalized report will be released within the near future . . . and, concluded Dean Little, its "implications applied to architectural education are monumental."

DR. ALBERT BUSH-BROWN/AIA Rhode Island School of Design

Any attempt to summarize Dr. Bush-Brown's exquisite prose and vivid word imagery is bound to be a feeble one. His premise, of course, was the lack of real involvement in the creation of cities which will give man his maximum choice in satisfactions. He said, "If you follow the conferences on urban crisis around the country, you will find you travel a mixed terrain. Who is responsible for the disorder in environment? The critics say architects make much of it themselves; architects point to engineers and contractors, sometimes even to clients; clients point to bankers and politicians. Then, having gone round-robin, they quit the halls on two happy thoughts: that newspapers, magazines and television ought to go on crusade and, indeed, everything would be better if only education were better. Thus, in conference after conference, like little boys, we swing the cat by its tail, just to see whether it will land in some new and sportive fashion." Rather than give way to despair however, Dr. Bush-Brown cited many instances where cities are making strides in the creation of a better environment for their peoples. "To have a fine city today," he said, "people must first want one." If, he concluded, "Those of us here in America who would rid our cities of ugliness shall not soon shake a public who long ago decided that freedom to trample our land as each sees fit is more important. The hopeful sign is that we shall try, that we shall delight in trying, and that so many of you gathered here to witness your concern, to celebrate the arts, to prepare yourselves, and to make our will felt."

SEMINAR II

November 7, 1967

Presiding: John Anderson

RONN GINN/AIA

Model Cities Administration Department of Housing and Urban Development

Ronn Ginn presented Western Mountain Region architects not just a challenge . . . it was more in the nature of a plea for participation in the Model Cities program, expressing his deep disappointment that only one out of the 194 "first wave" of planning applications even carried the endorsement of a local AIA Chapter. Does this suggest, Mr. Ginn asked, if "The design professions are unaware of their role in the program?" He stressed that the second round of applications is close at hand . . . and "the professions, and specifically the individual AIA chapters, can help their cities prepare applications in a variety of important ways." In contemplating "the water before jumping in," Ronn detailed the various steps and procedures and the guidelines of the Model Cities program, and stated that since both planning and execution is a local effort. . . . "It is important that architects, city and regional planners, landscape architects and urban designers be included in all meetings and discussion from the very first."

He stated that preparation of the initial applications in smaller towns and cities represented a task of heroic proportions . . . and many found the assignment too vast to fit into the bounds of the three-month period allotted to it. Short cuts were made . . . and many simply handed the assignment to an outside consultant. This, Mr. Ginn suggested, proved often to be an "empty exercise," bypassing those community elements essential to the program. "Model Cities" is a "problem-oriented approach" and therefore its success "depends upon the individual community's ability to analyze and focus on its problems."

In conclusion, he asked WMR architects to consider the entire area—"the great Crescent of the Rockies" (see October Symposia), and he challenged them to consider problems "in your individual cities . . . work at them! get active in them! and solve them to the end of revitalization of their slum conditions!"

GEORGE FELLOWS, City Manager City of Colorado Springs

Mr. Fellows' initial statement . . . "If there ever was a time in the life of American cities when the talents of citizens residing in those cities need to be identified, coordinated and directed toward the solving of community and national problems . . . that time is now!"—contained his









premise and his challenge to WMR architects. Cities, he reminded us, grow old one day at a time—and problems must be solved in just that way. Too little time is spent in total planning endeavors and most "urban sprawl" has occurred with the appoval of planning commissions, public officials and others who have a part in decision making.

He outlined four very important areas where the individual architect and the local AIA Chapter could serve the city. . . . Participation or Involvement . . . Influencing decision makers . . . Providing leadership in the community and finally . . . providing professional services by contract.

Mr. Fellows feels that decision makers need not only advice and support from the architectural professional but also constructive criticism. In conclusion, City Manager Fellows, hoped for a better state of communications between the architect and the municipality. He emphasized . . . "The challenge of making our cities a better place in which to live gives us the greatest opportunity. A citizen will feel closer to his government when he is involved in it. Do you agree? And are you ready to accept this challenge?"

FLETCHER B. TRUNK

Publisher/Symposia

(Note: Some public acknowledgement must be made here for John Anderson's gracious introduction . . . a "mercy bow cow" hardly seems adequate for a send-off that caused the Symposia team to get a little misty -our thanks to a good, good friend!) Mr. Trunk suggested at the outset that communications within and without the design professions was like the mini-skirt . . . "it didn't cover the subject." A recommendation was a re-evaluation of the "quality" of news releases from the architectural profession to the popular press. He advised, "Upgrade all official pronouncements . . . let the facts be the right facts . . . let the image be a professional image—that of an association totally committed and deeply involved in the community and its betterment." A far better goal opined Publisher Trunk, "than the feverish pursuit of a sensational page one headline."

He further set down criteria for obtaining favorable press coverage, both popular and professional, for the architect and his firm.

The professional press took its bumps in Mr. Trunk's discussion . . . too much space in national professional magazines, he suggested, was de-

voted to the "Jolly Green Giants"—
the immense architectural firms in
the East and on the West Coast.
Their problems are not those of "the
pea-pickers in the valley" who have
little to "ho-ho-ho" about.

Mr. Trunk further advised more attention be paid the solutions of the "guts" problems of the professional practitioner . . . fee schedules, office management, indemnification et al.

In a singularly heretical statement, he suggested that a plethora of architectural publications were largely non-profit organizations whose philosophy placed them outside the realm of business reality. . . . "It is rather," he said, "like Urban Design in Ten Easy Lessons" or . . . "Every Man His Own Brain Surgeon." His plea was for communication between all segments of the architecture / construction community. He pointed out the identification of common interests which should bind all portions of the industry into a significant whole . . . and one which should be a factor in decision making on every facet of the American scene.

CAMPUS PLANNING/the mini-city

Moderating: F. Lamar Kelsey, FAIA

The Panel: Dr. Kenneth Phillips, President Metropolitan State College, Denver

> James Braman, Jr., AIP Director of Planning City and County of Denver

John E. Severns, AIA

In his introduction to the Campus Planning Session, Moderator Lamar Kelsey outlined the challenges being faced today by educators, educational institutions and architects. He delineated the scope of the problems in the creation of "environment for learning"—both functional and visual.

The first speaker was Dr. Kenneth Phillips who outlined briefly the creation of Metro State College by a 1963 act of the Colorado legislature, and its growth to date. Opening in 1965, in rented quarters, and with an enrollment of 1,200 students, Dr. Phillips forecast an enrollment of 20,000 full-time equivalent students in the early 1980's. This might very well mean a head-count of over 32,000 people which would require 125 acres of parking space, and in excess of 3½ million square feet of instructional plant.

In the site selection study which has been carried out during the past two and one-half years, Dr. Phillips announced the decision to endeavor to obtain a site which would be literally a part of Denver's core area. Known as "Auraria", the site is one of the oldest sections of the city, and would enable Metro State College . . . a higher educational facility born of change, to pursue a unique program of action programs, closely integrated and intimately concerned with the urban area, its problems and its solutions.

The second panelist on the subject of "the Mini-City" was James Braman, Jr. who is the Director of Planning for the City and County of Denver. Mr. Braman explained the reasons for the Planning Office concurrence in the selection of the Auraria site for Metropolitan State College. He went into some detail on the difficulty of land acquisition in the area, and the costs which would be involved. Mr. Braman however did feel this site which is so closely allied to the "Skyline" project and the Core area of the City would add immeasurably to a "new look" for Denver.

John Severns from Illinois presented a number of slides and a design study of his firm's master plan for Capitol College, a small Lutheran Liberal Arts facility located in a suburb of Columbus, Ohio, He said the College was not a "new penny, but a tired old Ha'penny," and that steps to re-acquire land sold off during lean years, and to activate a building program had only recently been initiated. Mr. Severn's concept followed in large measure, but on a much smaller scale, the Circle campus of the University of Illinois. He felt the architect's role in the design of educational buildings should match the explosion of knowledge with "an explosion of understanding." In the brief person-to-person exchange of questions and answers following the seminar one fact seemed quite clear . . . Denver architects spoke out strongly for the preservation of St. Elizabeth's Church which is a part of the Auraria site, but all agreed that dancing in the streets would follow the demolition of one of the City's lovelier landmarks . . . the Major Seat Cover Mart complete with the mammoth revolving sign above.

In conclusion, Mr. Trunk challenged WMR architects . . . "Fragmentation in the architecture/construction community must go. We must NOW . . . Communicate — Combine and Survive!"

JAMES H. FINCH, FAIA

Atlanta, Georgia

Mr. Finch who is never called James, but always "Bill", a process of nomenclature which Moderator Anderson said takes two hours to explain, brought to WMR architects the view of the deeply concerned and highly involved professional. Until recently, Mr. Finch stated, the only voices raised against our worsening environment were those of design and planning professionals coupled with a sprinkling of enlightened citizens. The concern now evidenced by so

many, he feels, is both welcome . . . and ominous. The situation must be "very grave indeed" for the general public to become involved where no notice was taken previously. Mr. Finch said . . . "It is perhaps too late-and too serious" . . . and termed our 20th Century . . . the "Period of Pollution." He said Atlanta's greatest asset in preserving the city is the nature of its people who have a "hell for leather" approach to problems. Beset by all the common urban ills, Atlanta can easily become the home of "a large group of the very poor, mostly black . . . a tiny group of the very rich, mostly white . . . and a very large police force to protect the latter from the former."

He spoke of a "land-bank" plan

which might "leapfrog the reluctant suburbs" bringing them, at last, into the municipality. He stated unequivocally "We cannot rely on nineteenth century government to get twentieth century work done."

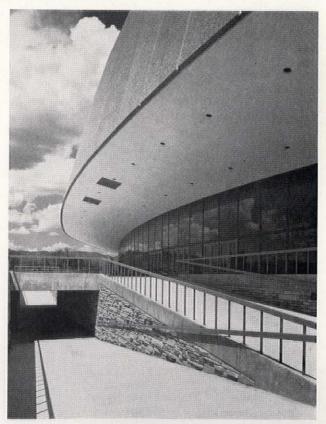
The architect, Mr. Finch feels, must shoulder at least part of the blame for urban problems . . . but the crux and the cause is really ignorance . . . the lack of demand by citizens for a better place in which to live. Education is the answer, and the architect's most meaningful role in the future must be to lead . . . "to educate by example" . . . and to place himself in the forefront of the fight ahead.

(Note: The last portion of Mr. Finch's challenge will appear as the editorial in January's Symposia.)

AISC HONORS KELSEY



The Architect: F. Lamar Kelsey, FAIA (or if you will—Captain Ahab)



The Building: Auditorium-Gymnasium Colorado State University, Fort Collins (or if you will—Moby Gym)

The Luncheon Meeting of the Western Mountain Region/AIA Conference on Monday honored Colorado Springs architect, F. Lamar Kelsey, FAIA, for his design of the Auditorium-Gymnasium complex on the campus of Colorado State University in Fort Collins. The Award which was made by the American Institute of Steel Construction was one of twelve in the United States selected from 162 submittals. Jack Bunts was the Structural Engineer on the project, and along with the General Contractor, the University, the Suppliers and the Client received citations from the Institute. Dr. Morgan, President of CSU, said that during the course of construction the Auditorium-Gymnasium received many names—finally the students themselves decided the building looked most like a whale and promptly christened it "Moby Gym"—a name which has progressed from gown to town and now everyone in Fort Collins refers to Mr. Kelsey's building as "Moby Gym."

THE AWARDS

The Jury: Dr. Albert Bush-Brown Dean Devon Carlson James H. Finch, FAIA

Criteria for Judgment: (1) Constructed Projects only. (2) Evidence of respect for: Client's program; Project's environmental context, both natural and constructed; Materials and systems; Leading to the total coherence of the Project, with modesty and restraint; Negating the doctrinaire, the acrobatic and the sensational . . . and (3) Embodiment of variety in the architectural experience.

General Comments: The number of

submissions indicates a high degree of enthusiasm and dedication among the members of the Region. It also indicates a healthy interest in quality design.

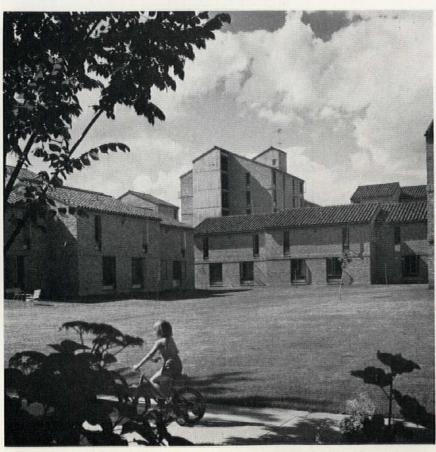
The Jury felt that the general level of submissions was very good. It would have been easy to include several other entries in the Awards but it was felt that severity in judgment increases the value.

In the way of suggestions for future submissions, the Jury had the following comments: More section drawings and plans developed beyond the schematic phase. More information concerning the surrounding environment. The jury often had difficulty in correlating the photographs and the drawings. Photographs of an informative rather than an artistic nature are to be desired.

The lighting solutions, both natural and artificial, were generally the weakest element of the submissions. Graphic design also left something to be desired.

Many small structures were overly complicated in structure in detail. Some solutions relied on sensational sculptural forms rather than direct and simple solutions to the problem.

MARRIED STUDENT HOUSING — UNIVERSITY OF COLORADO
MOORE AND BUSH, ARCHITECTS — DENVER, COLORADO
ENGINEERS: Edward Bierbach, Structural
Swanson-Rink, Electrical
Francis Stark, Mechanical
GENERAL CONTRACTOR: Weaver Construction Company



Photograph: Rush J. McCoy

The Critique:

This project offered an excellent site plan. Spaces between buildings contribute variety and interest to the complex. The use of materials was honest and direct. The tile roofs and band courses of brick enrich the facades without introducing needless ornament. The Jury felt the materials used will enhance in appearance with age. The differences in heights of the various units added interest. Three types of apartments offer an unusual variety of choice. Additional landscape planting is badly needed to realize the full potential of this excellent project.

DORMITORIES FOR MESA JUNIOR COLLEGE
R. A. VAN DUSEN, ARCHITECT, GRAND JUNCTION, COLORADO

ENGINEERS: W. B. Johnson, Boulder, Structural

Berren Engineering, Denver, Mechanical and Electrical

GENERAL CONTRACTORS: William F. Harwood, Grand Junction

Huston Construction, Pueblo



Photograph: Rush J. McCoy

The Critique:

The plan of this complex was simple and direct. The Jury particularly liked the individual room arrangement.

The elevations were restrained and simple. The three exterior materials were used with conviction and sensitivity.

The proposed siting of additional units fails to create good spaces between the units. It is hoped that the site plan can be improved before other units are added.

SALT LAKE CITY PUBLIC HEALTH CENTER EDWARDS AND DANIELS, ARCHITECTS, SALT LAKE CITY, UTAH

ENGINEERS: Joseph F. Patrick, Structural

Mark L. Bryner, Electrical and Mechanical

GENERAL CONTRACTOR: Weyner Construction Company



The Critique:

This submission is a logical, simple solution to a complex set of functions. The simple exterior treatment makes a good neighbor in what appears to be a low-rise neighborhood. The quality achieved in this building is noteworthy since the standards for this type of public facility are usually distressingly low.

The Jury felt that the interior lighting was not up to the standard of the building. Additional height in the meeting room would have been an improvement.

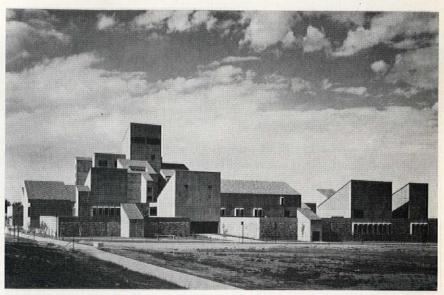
ENGINEERING SCIENCES CENTER, UNIVERSITY OF COLORADO

ARCHITECTURAL ASSOCIATES, COLORADO — WILLIAM MUCHOW, PARTNER IN CHARGE
FISHER AND DAVIS, ARCHITECTS, AND HOBART WAGENER, ARCHITECT
ENGINEERS: Ketchum, Konkel, Ryan and Fleming

The Critique:

This strong, handsome complex makes excellent and consistent use of materials. The Jury felt that a masterful achievement had been accomplished in housing the facilities of six dissimilar disciplines in a complex which is coherent, picturesque and offers a variety of interesting spaces. Several startlingly sophisticated elevations were admired.

The rhythm of the structural system is apparent without being insistent. The quality achieved is particularly impressive when the low construction cost is considered.



Photograph: Morley Baer

RESIDENCE FOR MR. AND MRS. HOBART WAGENER, BOULDER, COLORADO HOBART D. WAGENER, ASSOCIATES, ARCHITECTS
GENERAL CONTRACTOR: R. C. Grayson, Boulder, Colorado



Photograph: Rush J. McCoy

The Critique:

This is a pleasant, charming residence obviously designed for discriminating clients with an affection for plants and strong opinions on living and entertaining.

The simple plan shape and the sensitive detailing combine with the richness of the plant-filled center court to give a sense of informal elegance and charm.

NAME OF PROJECT: THE AWARDS BANQUET

THE CLIENT:

THE SITE:

THE WESTERN MOUNTAIN REGION/AMERICAN INSTITUTE OF ARCHITECTS BALLROOM, BROADMOOR HOTEL, COLORADO SPRINGS, COLORADO

COMPLETION DATE: TUESDAY EVENING, NOVEMBER 7, 1967

The Critique: A delightful i

A delightful meeting on an opulent site thoughtfully designed to please discriminating clients. Particularly notable in this project was the ornamentation provided by sparkling feminine attire, A further citation must be awarded the urbane and witty Western Mountain Region Director, Dean Sidney Little, FAIA, for his expert handling of the Master of Ceremonies assignment.

Further mention must be made of the appearance of Mr. Samuel Homsey, FAIA, Vice President of the American Institute of Architects. His remarks added immeasurably to the successful elevation of this project.

INTRODUCING . . . MR. SAMUEL HOMSEY, FAIA

Addressing himself to "Architecture and Accelerating Technology," Samuel E. Homsey, FAIA, Vice-President of the American Institute of Architects, was the principal speaker at the Awards Banquet on November 7th. Mr. Homsey told Western Mountain Region architects:

"Most professions, whether they admit it or not, are being forced by technology and the demands of society into a situation where they must adapt themselves or be left high and dry. This is true of lawyers and doctors and is wholly true of architects. We must," said Homsey, "commit ourselves to the changes needed to participate in the revolution underway."

The architect cannot be regarded solely as a specialist—but must combine in the future—all his talents—he must be a "Generalist—capable of coordinating the work of many specialists." Since Architecture is a TOTAL process, the architect must accept total responsibility for this totality." Understanding the vast variety of disciplines and activities of the building concept will place the architect in the position of "leader

of the team."

Now is the time, Mr. Homsey said, for architects to influence the minds of men in politics and business. "Every articulate member of this profession must immerse himself in the political and social life of his community. Every one of us must place himself in the strongest possible position to create and influence community sentiment to demand large scale planning." He outlined the many programs now being implemented by the Institute in the fields of education, communications and public relations. In conclusion, the AIA Vice President stated . . . "In recognizing the growing importance of technological training in the education of an architect we must remember that architecture is not structures or engineering; it is not air conditioning nor acoustics; nor the cheapest square footage. It is not a style either. It is none of these things and it is all of these things, plus the feeling you have when you walk into a space and the feelings you remember after you leave. As Le Corbusier said: "Space is the foot that walks, the eye that sees and the head that turns."























QUIPS AND QUOTES

(Informal Lights . . both Side and High from the AIA Regional)

Because the platform in the Broadmoor's International Center is movable—chains separate speakers and audience. At first blush, many present wondered who was being protected from whom?

Bob Sexton (President, Central Arizona) forwarded to the business meeting on Wednesday morning, an appeal by Mrs. Frank Lloyd Wright for funds (some \$4 million is needed) to save FLW's Imperial Hotel in Tokyo. Anyone interested in the project can forward contributions to Mrs. W. in care of the Arizona Republican in Phoenix.

When asked if non-appearing guest speaker, David Brower, might not have a chip on his shoulder . . . redwood, that is . . . John Anderson shuddered—"We don't touch those trees!"

Hospitality highs were certainly achieved by Southeastern section AIA architects and wives with their "at home dinners." A special "above and beyond the call" medal must be awarded Ruth Ann Kelsey for providing a delightful evening in a rented house with many belongings stashed away—seems Hubby Lamar has been too busy to "get" with the new Kelsey home. The shoemaker's wife?

Ditto Hospitality—Jean and Don Wakefield extending a warm welcome to their elegant suite in the Broadmoor South! Could we say they're a couple of bricks!

Gentlemen present will not soon forget the exquisite Mrs. "Bill" Finch from Atlanta—(the ladies will certainly remember her beautiful clothes). And Mrs. "Bill" is just as lovely as she looks!

Gloated Jim Hunter reporting on Boulder's Tuesday election . . . "We now have both an architect and a planner on the City Council—we've got our "green belt," and at last, Boulder is wet so we can drink with impunity." Queried Publisher Trunk . . . "Impunity? What's her last name?"

Don't ever tell the Slaters or the Morrises the automobile is "man's best friend." A broken water line cost "Sim" and Arlene, three quarters of the AFA-Army Football Game, and Lang and Ellen Morris took a taxi to the Kelsey's "at home dinner."

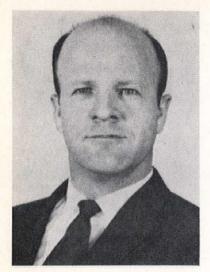
A heartwarming sight . . . two exuberant moppets greeting Grandma and Grandpa Weaver on Sunday morning at the Broadmoor. One of the Weaver's pretty daughters is married to an instuctor at the Air Force Academy. John Severns, Illinois architect and speaker on the Mini City Panel, double-crossed us. November's Symposia included the names and numbers of all the players, but John turned up in Colorado Springs with a magnificent beard bearing no resemblance whatsoever to his clean shaven look in the Official Pub.

Most convention attendees left the ever-so-swank Broadmoor where you really do live the good life with a sigh of regret and one paramount thought . . . "Wouldn't it be great to have the money to go with your attitude?" Attendance figures at the Regional were smashing! But how about the number of "among those present" at P.C.'s great cocktail party on Sunday night? Well over 300 (which makes us wonder how many crashees from those attending other conventions) A record number of libations were also poured which might indicate that this PC Event was not only a smashing success, but some of those present were in an "equivalent or better"

And how about those geography lessons at a dollar apiece given by Chloe Toohey of Worland, Wyoming.

Rebuttal: City Manager Fellows, during the discussion period which followed Seminar II, answered Publisher Trunk's assertion that "the government spoke only to God," by explaining that what government was really doing was praying.

(Additional Convention Coverage on Pages 34, 36 and 37)



W. R. Olsen

(Mr. William R. Olsen who authored this provocative article on the Balancing of Mechanical Systems is a Mechanical Engineer in private practice in Salt Lake City, Utah, and a member of the Consulting Engineers Council of Utah. His B.S. in Mechanical Engineering is from the University of Oklahoma, and his Masters from Iowa State. He has worked as a Research Engineer, has taught at both North Dakota State and the University of Utah, has served as Designer and Chief Engineer for private industry, and for the past twelve years has been a Consultant in the field of Heating, Air Conditioning, Boiler Plants and Industrial Engineering.)

The Consulting Mechanical Engineer and The Balancing of Mechanical Systems

by W. R. Olsen, C.E.C./Utah

During the past year, the practice of a few consulting engineers who write a clause into the mechanical section of project specifications requiring the mechanical contractor to pay a lump sum fee to the consulting engineer for final balancing of air and water systems, has come under close scrutiny and criticism. To illustrate, following are two typical examples of clauses which have appeared recently in project specifications:

(A) BALANCING OF HEATING AND VENTILATING SYSTEMS:

Final balancing of heating and ventilating system will be done by the Engineer with the assistance of the Mechanical Sub-Contractor. Mechanical Engineer will assume responsibility for balancing of heating and ventilating system. Mechanical Contractor shall assist as herein required. This shall in no way release Contractor from compliance with all requirements of the drawings and specifications, or guarantee.

Contractor shall make following provisions and allowances in his bid to cover costs of balancing system. He shall furnish the services of competent journeymen suitable to the Engineer as follows: sheet metal—40 hours, temperature control—24 hours, pipefitter—32 hours. This time shall be used as directed by Engineer with written notice of time expended each day submitted to Engineer for approval on the day following.

Contractor shall also supply as required, ladders, scaffold and miscellaneous tools and equipment for access and adjustment during the balancing period.

The Contractor shall include in his bid an allowance of \$1,250.00 to be paid to Engineer for balancing heating and ventilating system. Engineer will provide supervision, technical assistance, test measuring equipment and instruments, recording, and adjustment detail required for balancing the systems.

All balancing shall be completed and acceptable to the Architect and Engineer and payments for these services made before final acceptance of building.

(B) SYSTEM BALANCE AND TEST RUN:

The work under this section of the specifications shall be performed by a Registered Mechanical Engineering Company qualified to perform the services outlined below. The Mechanical Engineering Company shall be as approved by the Architect. The Mechanical Contractor shall obtain firm bid prices from the company approved by the Architect and shall pay for all services required and as outlined below.

- The following services shall be provided by a Registered Professional Mechanical Engineering Company.
 - (a) Air Supply System Balance.
 - (b) Air Exhaust System Balance.
 - (c) Run Field Test on Main Supply and Exhaust Fans.
 - (d) Test Run Temperature and Pressure Checks.
- The Engineer shall provide all materials, instruments and personnel required to perform the above services.
- The Mechanical Contractor shall abide by and be held responsible for compliance to all the engineer's reports.

By contrast the following clause, or similar clause, is found in most contract specifications for new buildings nationwide:

(C) BALANCING:

Upon completion of the job, the Design Engineer, with the aid of the installers, shall make all necessary adjustments to provide capacities listed on drawings and balance the system. The air flow shall be balanced, temperature controls adjusted and all fans and motors checked for quiet and efficient operation.

(D) ADJUSTING & BALANCING OF AIR SYSTEMS:

"Shall be accomplished by personnel experienced in the

use of the instruments involved. The contractor shall hire a firm specializing in the balancing of systems of this type. The firm shall be acceptable to the Architect."

The reasons most commonly given by engineers engaging in this practice are:

- (1) Final air balance and balancing of related systems such as chilled water, hot water, etc., is one feature of a job most difficult to get the contractor to perform satisfactorily. Proper performance of any mechanical system is greatly dependent on how well the balancing is done and few systems are entirely satisfactory until balancing is accomplished.
- (2) Few contractors have the required instruments and "know-how" to properly balance a system.
- (3) The engineer who designed the systems is most familiar with system requirements and best able to effect desired results.

One consulting engineer is quoted as saying that the reason he prefers the inclusion of a balancing fee to be paid to him by the mechanical contractor is, "It is one way of making the owner pay a higher fee to the engineer. Fees are too low."

Critics of the practice point out that:

- It is an unethical practice in the profession. Where financial considerations are involved between the engineer, who is directly representing the owner, and the contractor, the engineer cannot properly divorce his thinking and actions from the "conflict of interest" which exists.
- A division of responsibility occurs due to the fact that the contractor can disclaim full responsibility for final physical system performance, and pass some of the responsibility to the engineer.
- The engineer is put in the position of performing as little or as much as he chooses in "earning" the balancing fee, as he is the final judge of his own performance in this respect.
- Some engineers who engage in the practice are not as well qualified to perform the balancing work as the contractor.
- 5. Competent and experienced balancing firms are avail-

able to perform the service.

6. The legality of the practice is highly questionable.
To illustrate the problems that can arise out of the practice, the following example is cited:

A large multi-story building was constructed. The mechanical contractor was obliged by contract specifications to hire an outside balancing firm acceptable to the Architect, He paid the design engineer a fee of \$5,000.00 to balance the air systems. After the engineer completed the balancing of all systems, the owner complained of excessive air noise throughout the structure. In an attempt to alleviate the problem, the engineer then instructed the contractor to reduce fan speed (which, of course, negated the previous balancing of air systems). Air noise levels measuring as high as 58 decibels were still in evidence after slowing the fans down, and the owner was not satisfied. The contractor claims a design deficiency. The engineer's responsibility for system design is unquestioned, but he has placed himself in an untenable position, having put himself in the employ of the contractor and assuming, by reason of compensation received, some responsibility for the physical system.

The writer recognizes the outstanding importance of final and proper balancing of mechanical systems. The work must be accomplished if satisfactory results are to be obtained and the intent of the system design fulfilled. Who should be responsible for this function, and to what extent should the design engineer be involved is one question. Another question raised is whether this practice contributes to an inflated cost to the owner who ultimately pays the balancing fee.

The writer recommends to CEC that the matter be given careful consideration and that a consensus opinion on the ethics of subject practice be rendered.

(Editor's Note: As always, the questions Mr. Olsen has raised as a Consulting Mechanical Engineer concern many segments of the architecture/construction community. Here is a problem which will certainly engage the interest of both General and Mechanical Contractors as well as that of the Architect in his role as Captain of the Team. Gentlemen: your further comment is elicited.)

The Man Who Didn't Come to Lunch

"Where's Mr. Brower?" was the question on Tuesday noon when a cursory glance at the Head Table revealed James Hunter, FAIA, Samuel Homsey, FAIA, General Convention Chairman, John Ten Eyck and Colorado Chapter/AIA President John Anderson.

Rising, Mr. Ten Eyck answered the question by holding up several sheets of yellow paper . . . obviously the Western Union variety, and announced, "This is all we've got of Mr. Brower!"

John then went on to explain that this message was obviously an abstract of Mr. Brower's speech . . . at \$12.00 a page. Reading the telegram and carefully sorting out the "stops," Mr. Ten Eyck revealed that Mr. Brower had missed the last flight from San Francisco due to a tight schedule and a traffic tie up. The gist of his message was the preservation of "wilderness, a miracle man can tear apart but he can never re-assemble." "Architects," said Mr. B. via W.U., "can lead the way in doing better by land that has already been done unto so badly." His special plea was for preservation of California's redwoods and to "keep the wild fragile land safe."

Gerry Deines: (From the audience) Will you send him our applause? Much applause—much laughter.

John Ten Eyck; John Anderson and I were discussing that up here at lunch, do you applaud a telegram? I remarked that they didn't applaud Lincoln at Gettysburg . . . and John said, "No, but they didn't send Grant to read it either!"

More laughter.

More applause.

Adjournment.

Symposia presents:—

C. Walter Scott, CSI



A newly-vacuumed red carpet is out this month of December as we welcome C. Walter Scott of Salt Lake City, Utah, to Symposia's Editorial Advisory Board. Mr. S. is no stranger to members of the architecture/construction community in our Rocky Mountain area—he serves as Director for the Construction Specifications Institute's Region 10. He is no stranger to these pages having been Symposia Saluted in our February/1967 issue.

Mr. Scott is the engineering principal in the firm of Scott, Louie and Browning, Architects/Engineers of Salt Lake City. He has been active in the Construction Specifications Institute for many years. He has been Program and Publicity Chairman as well as President and Vice President of the Salt Lake City Chapter. He was a delegate to the National CSI Convention in 1963, and assumed his present position as Region X Director in 1966.

Always professionally active, Mr. Scott also is a member of Kiwanis, the Wasatch Lodge No. 1, F. & A. M., and is a director of the Fort Douglas Country Club. He and his wife, Jayne, are the parents of seven children, and further boast three grandchildren. He is an enthusiastic skier and golfer.

Well aware of the communication need between all segments of the architecture/construction community, C. Walter Scott will bring to Symposia a well-grounded knowledge of the Industry and of the area. His abilities will add much to our Symposia purpose. Welcome aboard, Mr. Scott!

Lou Thurber, MCA



Representation for all members of the Construction Industry has long been a Symposia aim. We are, therefore, extremely pleased to have the Mechanical Constructors represented on our Editorial Advisory Board in the energetic and personable Mr. Lou Thurber. Prior to his coming to Denver, some three and a half years ago, Mr. Thurber was the Executive Director of the Mechanical Contractors of America. He has been Managing Editor of the Mechanical Contractors national publication and on the Advisory Board of Construction News. During the past decade, he has served on almost every national committee in the construction industry.

A cum laude graduate of Muhlenberg College, he has done graduate work in business law and advertising at Baylor and Columbia Universities and Lafayette College. He serves as a member for the State Board for Vocational Education, and in 1967 received the Merit Award for outstanding service to Vocational Education.

Mr. Thurber is active in many civic and cultural organizations, and participates in politics in more than a cursory way. During last year, for instance, he represented Senator Gordon Allott in public debates with his opponent.

The Thurber family includes a pretty wife, and two children (one of each kind), and they live in the foothills overlooking the city in a charming house furnished with many antiques (hand restored by the man of the house). Another member of the family which would be difficult to ignore is a sad-faced Saint Bernard . . . it is, you might say, impossible to overlook a Saint Bernard. A hearty Symposia welcome to Mr. Lou Thurber, and the Mechanical Contractors!

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'Tis the Season . . .

Yep, 'tis the season to be jolly . . . the annual December Dinner Dance Deluge is almost upon us. Ladies who have been knitting by the fireside for eleven months find themselves caught up in a whirlpool of Yuletide festivities. As always, the Associated Building Contractors of Colorado (AGC) will kick-off the season. Scheduled for December 2nd at the Brown Palace Hotel, the cocktail hour will start at 6:30 in the Prospector's Room. Dinner will be served at 8:00 in the Grand Ball-Room to be followed by entertainment and dancing. This year's chairman is Immediate Past President, B. H. Baker of Colorado Springs, and his committee people are: Alan Clevenger, Parnell W. Goldy, C. H. Johnson, Herman Rask, Virginia Razee, G. A. Talbert and William Van Genderen. The ABC's new 1968 President and his officers will be introduced at this time by 1967 President and Symposia Editorial Board Member, Mr. E. B. Jones, Sr.

Joint Producer Council/American Institute of Architect Christmas parties are something of a tradition. Carrying forward in the time-honored manner is the Inter-Mountain Region of PC and Salt Lake City's AIA. The following communique is sent us by Mr. Craig Washing who co-chairs the event with Architect Richard Stringham (Carpenter and Stringham). "The date is December 7 and the place is the Sky Room of the Hotel Utah. We expect

some two hundred and fifty people will attend with cocktails starting at 7:00—dinner at 8:00 and dancing from 9:00 until 1:30 a.m. Our honored guest list is simply the officers of the local AIA and PC Chapters." Thanks for the info on this one, Mr. Washing!

The Rocky Mountain Chapter of the Producers Council and Colorado's AIA will gather for the 8th Annual running of this Christmas Classic at the Brown Palace Hotel in Denver on the evening of December 9. Cocktails are scheduled at 7:00 and will be hosted by Producers' Councildinner is at 8:00 and dancing follows the the John Carroll band. Table decorations, as always, will be in the talented hands of the AIA Auxiliary. Oh, Yes, the tab is \$20.00 per couple. R. C. (Sandy) Sandoval heads up the Committee with able assistance from Tom Bowman and AIA Architects . . . Aubrey Brelsford and John Reece. This is always a fun evening, and the Committee is hoping for a large enthusiastic turnout.

Denver's WIC's (Women in Construction) are the hostesses at a Dinner-Dance on December 15th. It will be held at Wolhurst's new club. . . . "The Boondocks," with all the usual Holiday trimmings of dinner and dancing. Cocktail Hour is scheduled for 6:30.

It looks like a great December for the purveyers of aspirin, ice bags and Alka Seltzer. But then . . . we've got eleven months between Christmas party-go-rounds!

AIA/the ladies! fine food—blue spruce and ... wire mesh?

by Ann Ritz

Who would think of making a flower arrangement from things found on a construction site—or using old balusters for candle holders—or ancient light fixtures for Christmas candelabrum; Dixie Freudenberg would and did. The way to achieve the unusual, says Dixie, is to use an ordinary material in an extraordinary way or an exotic material in a very ordinary way. Her background in commercial art and sculpture was always in evidence as each beautiful arrangement took shape. It was easy to see why she considers her work a true art form and her enthusiasm can't help but be contagious in any group . . . it was especially so to such an "art" and "structure" conscious assemblage as the architect's wives attending the Western Mountain Region AIA Conference. The nationally known lecturer was very well received by the seventy-five ladies who attended the delicious luncheon served by the Antlers Plaza Hotel in Colorado Springs. A little bit of Colorado was sent home with each guest as the favors were individually packed blue spruce seedlings.

Yes, the ladies' luncheon was a great success!

Strictly Business

Presiding: Dean Sidney Little, FAIA.

Director / Western Mountain Region.

Hearty souls gathered Wednesday morning, November 8, for the swan song for the Sixteenth Annual Western Mountain Region . . . the business meeting.

Dean Little announced the attendance figures for the 1967 Regional Gathering, and the sites selected for the next five years. These are as follows: 1968 — Salt Lake City, Utah; 1969 — Tucson, Arizona; 1970 — Las Vegas, Nevada (with Reno Chapter); 1971 — Albuquerque, New Mexico; and 1972 — Wyoming.

Fred Montmorency, already dubbed General Chairman for the 1968 Regional Conference, extended both a gracious invitation and welcome to next year's conferees.

New Chapter Presidents will meet for a Regional Council meeting in conjunction with the Grass Roots meeting held in January, 1968, at Vacation Village in San Diego, California.

The Resolutions Committee, chaired by Fred Montmorency, included Albert Merker of Santa Fe, and Robert Sexton of Central Arizona. Resolutions were as follows:

RESOLUTION I:

In support of the action of the Liaison Committee of the American Institute of Architects opposition to the Bureau of Indian Affairs practice of in-house architecture.

RESOLUTION II:

In support of the Southern Arizona Chapter's nomination of Frank Batania, Jr., Silversmith, for the Institute's Craftsmanship Award.

RESOLUTION III:

Message of appreciation to the Southeastern Section/Colorado Chapter for hospitality and success of the Sixteenth Regional Conference.

RESOLUTION IV:

To facilitate submissions to Chapter, Regional and Institute Honor Awards programs — consideration be given to conforming to standards announced by the Institute.

(This resolution will receive further consideration by the separate Chapters and will be discussed at the Council Meeting at Grass Roots in January).

RESOLUTION V:

Affirmation of the nine basic tenets upon which the Western Mountain Region was founded. "Be it resolved that we pause briefly to reflect on the problems of the Region, its growth, its accomplishments, and

also its good fellowship — but then to move quickly on to meet the challenges of our changing times, and to re-dedicate ourselves to the purposes and objectives of the Western Mountain Region.

addendum: history/W.M.R.

Mr. James Hunter, FAIA, the author of Symposia's review of the history of the Western Mountain Region (November) has forwarded to us a copy of a letter from Richard A. Morse of Tucson, Arizona. Mr. Morse was kind enough to tell us of the Preamble to the first WMR gathering in Colorado Springs . . . and a little about the first Regional Director . . . M. H. Starkweather of Tucson, a long-time and enthusiastic member of the Arizona Chapter and of the Western Mountain Region. Our thanks to Jim and to Mr. Morse for this additional info on Regional history.

Architectural Services Available

Newly established: "WOOD, INC. Information Center" for the use of Architects, Builders and Specifiers. Complete information available on the use of Wood and Wood Products. For any information needed, simply telephone "Buzz" Coffman, Executive Secretary — WOOD Information Center — 322-5890 in Denver, or address the Center at 3121 East Colfax.

Electrical Design Library — a service for architects and engineers, sponsored by the Rocky Mountain Chapter of the National Electrical Contractors Association. Newly available, a monograph entitled "All-Electric Concepts for Architecture" as an introduction to electric heating and air-conditioning systems. For this monograph or for information or inquiries on the Library Service, telephone or write Rocky Mountain Chapter, NECA, 450 Decatur Street, Denver, Colorado 80204. Telephone 825-5274



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Postscriptum:

(The following telegram was received by General Chairman John B. Ten Eyck after the close of the Sixteenth Annual Western Mountain Region Convention.)

As more and more people grow to realize that all good things do not flow from Washington, I am most pleased to note your conference theme: "The Town Around Us." With our lives so closely tied to cities, this concern shown by architects, individually and as a group, is of vital importance to the growth of the nation. The search for individual expression is inexorably bound to individual responsibility.

Peter Dominick Senator/Colorado

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NOTE: May Symposia have your 1968 meeting schedules as soon as they are available? If you are not "among those present" in this month's Memo, simply forward your meeting dates to us as nearly the 10th of the preceding month as possible. We hope Memo helps you to be where you should be . . . when. The Symposia address: 4070 Estes Street, Wheat Ridge, Colorado 80033.

DEC. 2: Associated Building Contractors of Colorado, Inc. (AGC) Annual Christmas Dinner-Dance — Brown Palace Hotel in Denver. 6:30 to?

DEC. 5: Consulting Engineers Council/Colorado, Directors Meeting. 6:00: Cocktails; 6:30 p.m.: Dinner. Denver Press Club. (Note: All members are invited and urged to attend Board Meetings. For reservations: telephone 244-4714 before noon of the previous day.)

DEC. 6: Association of Remodeling Contractors/Board of Directors Meeting. Dinner: 6:30 p.m. — Four Winds Motor Hotel, Denver.

DEC. 6: Consulting Engineers Council/Utah, Executive Board Meeting Ambassador Club, Salt Lake City. NOON! Confirm your attendance by calling: Robert B. Jones, 364-7775.

DEC. 7: Intermountain Chapter Producers' Council and Salt Lake City Chapter/American Institute of Architects. Christmas Dinner-Dance. Cocktails at 7:00. Sky Room of the Hotel Utah.

DEC. 9: Rocky Mountain Chapter Producers' Council and Colorado Chapter, American Institute of Architects. Christmas Dinner-Dance. Cocktails at 7:00. Brown Palace Hotel, Denver, Colorado.

DEC. 11: Associated Building Contractors of Colorado, Inc. (AGC) Regular monthly dinner meeting of Colorado Springs Area members. 6:30 p.m.—Dublin House, North Academy Boulevard, Colorado Springs.

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DEC. 11-14: A. H. A. Institute on Hospital Design — Phoenix, Arizona.

DEC. 12: Construction Specifications Institute/Albuquerque Chapter. General membership meeting—Cocktails, 5:30; Dinner, 6:30; Program, 7:30 p.m.; Sundowner Motel. (Note: Any CSI members in town on this date are cordially invited to join "the group."

DEC. 12: Construction Specifications Institute / Tucson Chapter, Board of Director's Meeting. 12:00 noon. Casa Molina, Broadway—Tucson, Arizona.

DEC. 13: Construction Specifications Institute / Denver Chapter, General Membership Meeting. Dinner, 6:30; Program, 7:30 p.m. Engineer's Club Building, 1330 South Santa Fe Drive.

DEC. 13: Consulting Engineers Council / Utah — General membership meeting promptly at NOON. Oak Room of the Ambassador Club, Salt Lake City. Confirm attendance by telephoning Robert B. Jones, 364-7775.

DEC. 14: Mechanical Contractors Association / Colorado. Luncheon meeting. Noon at New Plumbing Showcase, 2727 West 6th Avenue, Denver.

DEC. 14: Colorado Pipe Trades Industry Program/Board of Trustees 4:00 p.m., New Plumbing Showcase, 2727 West 6th Avenue.

DEC. 15: Women In Construction/Denver Chapter. Dinner-Dance. Cocktails at 6:30 p.m.—"Boondocks," Wolhurst Country Club, Littleton.

DEC. 18: Associated Building Contractors of Colorado, Inc. (AGC) Executive Committee meeting—Noon— Silver Room, Engineers Club Building, 1380 South Santa Fe Drive.

DEC. 19: Consulting Engineers Council/Colorado. General Membership meeting. Cocktails, 5:30; Dinner, 6:30 p.m. Denver Press Club.

DEC. 20: Construction Specifications Institute / Phoenix Chapter. General Membership meeting — Cocktails, 6:00; Dinner, 7:00 p.m. ABC Club, Mayer Central Building.

DEC. 25: MERRY CHRISTMAS!

DEC. 27: Mountain States Bureau for Lathing and Plastering, Inc. Board of Governor's meeting—10:00 a.m.
—221 Santa Fe Drive, Denver.

DEC. 28: Construction Specifications Institute / Denver Chapter. Board of Directors meeting. 12 noon. Engineers Club. 1380 South Santa Fe Drive.

LOOKING AHEAD:

JAN. 25, 26, 27: Construction Specifications Institute/ Region 10—3rd Annual Convention—Albuquerque, New Mexico.



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symposia/the cover

This month: Rush McCoy's striking black and white photographic composition of the courtyard fountain at the Engineering Sciences Center at the University of Colorado in Boulder. The Center, designed by a group of Colorado Architects, including William Muchow, Partner in Charge; Fisher and Davis, and Hobart Wagener, received glowing praise and an Honor Award at the Western Mountain Region Conference/AIA in November.

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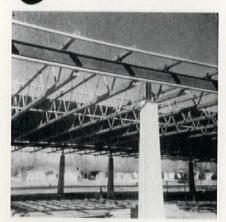
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G. A. Talbert, Inc. 38 Trus-Joint Corporation WOOD, Inc. William G. Zimmerman Architectural Metals, Inc.

1980 - 1984

If there is any resemblance between the above inscription and that on a tombstone, we trust it is wholly illusory.

However, when George Orwell wrote his famous book nearly 20 years ago, his horrifying prophecy of what life would be like in 1984 seemed several lifetimes away.

Yet—suddenly—it's 1967 and along comes the State Department of Commerce and Development to warn us that by 1980—only 13 years away and just four short of Orwell's fateful milestone—the population of Colorado will grow by thirty-five per cent.

This will require, among other needs, the creation of housing, schools, transportation systems and jobs for approximately 2,664,000 human beings in a state that often seems crowded today with only 1,978,000. It will also mean creating near-miracles to preserve clean air, pure water, open space and outdoors recreation, and other amenities of the good life as we know them today.

This formidable situation doesn't mean, of course, that Big Brother is virtually upon us. But the explosive pressures which even now are building up can be shattering if they are not channelled and controlled.

We believe—as a large and responsible segment of the second largest industry in our state—that our industry should take a leading role in dealing with this situation before it deals to us. Clearly, a part of the solution will lie in the development of better community planning, new building designs, construction techniques and other skills which lie in the industry's province. Speaking for our particular segment, we are already working on new techniques to control pollution of the air we breathe and the water we drink. In housing, where new close-tolerance controls promise a better climate indoors than out, and in other areas of construction we are "gearing up" for tomorrow.

It seems to us that what we—as an industry and as citizens—do or don't do about meeting this massive challenge will help decide whether 1984 will be a version of Orwell's nightmare, or a high-water mark of intelligent progress toward the better life.

We look to you, as the leaders of our team, to set the pace, to sight the goals. We are ready to assist you actively—all the way.



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