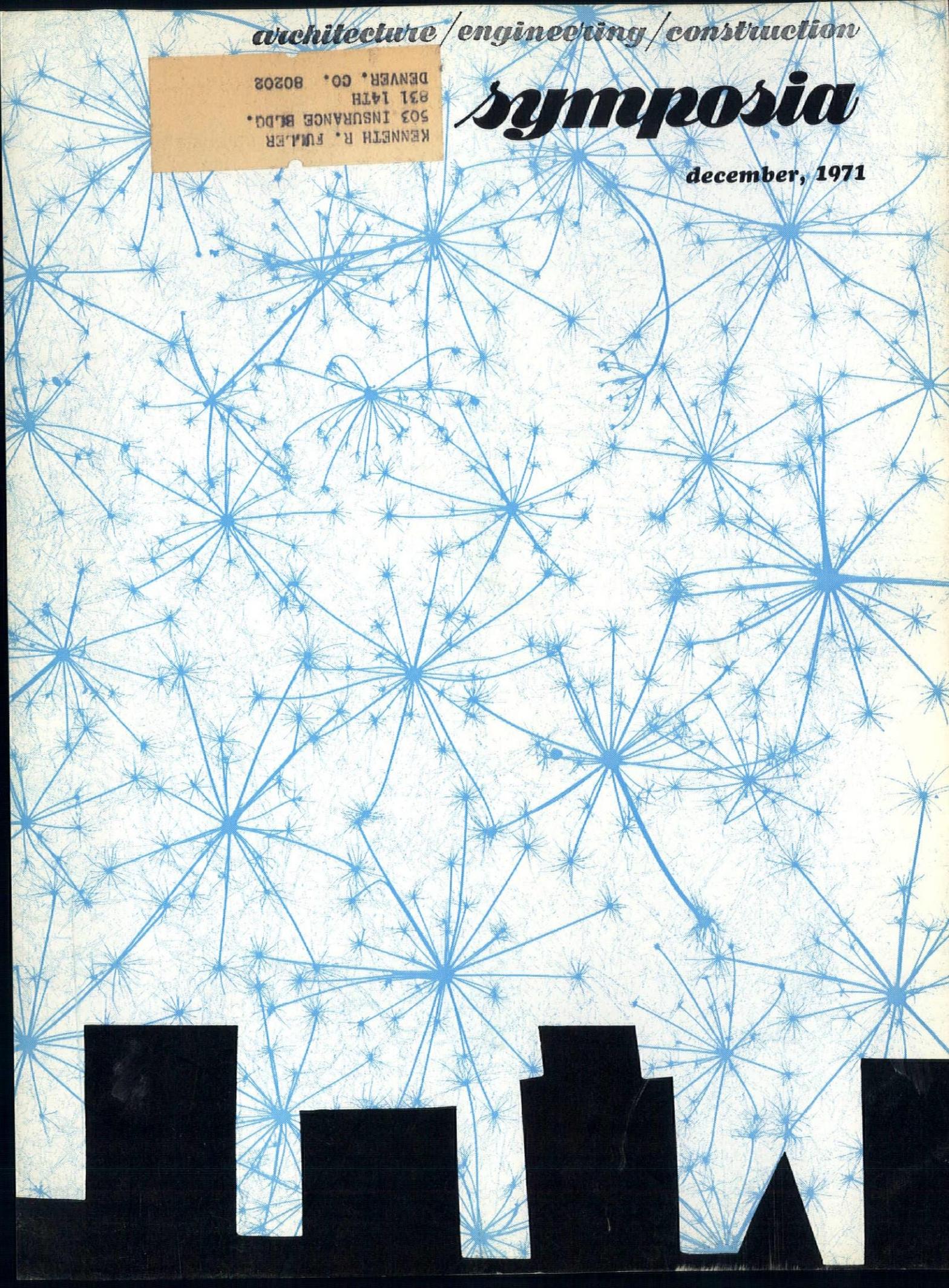


*architecture / engineering / construction*

KENNETH R. FULLER  
503 INSURANCE BLDG.  
831 14TH  
DENVER, CO. 80202

# *symposia*

**december, 1971**



# A Short Course In School Construction: If You're Using Brick, Go to the Head of the Class.

Brick kills noise, provides the best fire safety, discourages vandals, insulates in summer and winter, and eliminates maintenance problems. That's for openers. What else? It goes up in a hurry. Load-bearing walls build and finish at the same time they eliminate expensive structural framing, and the construction speed cuts interim finance costs. For more schooling on the undeniable economy and value of brick, write or ask Judy Brown (757-7838) to show you the new information on "New Trends in the Design, Cost and Construction of the Modern School Building."



**COLORADO  
MASONRY  
INSTITUTE**

POST OFFICE BOX 5243  
DENVER, COLO. 80217  
PHONE (303) 744-3371

Another  
distinguished  
name  
comes to Seal

# All-Steel



Seal is proud to offer the All-Steel environment, which means distinctive contemporary styling with efficiency and prices that invite comparison. In terms of design, scale, function and durability, All-Steel had earned a reputation unique in office furniture. Select from a complete line of furniture and files to fit any need and budget... at Seal. Other great names available at Seal include Knoll, Herman Miller, Harter, Dux, Stow/Davis, Hiebert, Thayer Coggin, George Kovacs, Howard Miller, Commercial Carpet Corporation and many more. See them all in Seal's showroom at 80 So. Santa Fe.

**S E A L**

FURNITURE, INC.  
80 SO. SANTA FE / DENVER / 777-3071

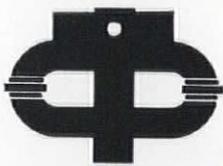
# THE TEAM



*WORKING TOGETHER AS USUAL, PREPARING FOR THE FINEST CONSTRUCTION YEAR EVER AND . . . WISHING EVERYONE IN OUR GREAT CONSTRUCTION INDUSTRY*

*A Happy and Prosperous  
1972*

PHONE 266-1935



**COLORADO PIPE TRADES INDUSTRY**

SUITE 201 • 1971 WEST 12TH AVENUE • DENVER, COLORADO 80204

Page 4 *Symposia/December, 1971*

**PROGRAM**



The Salt Palace

Salt Lake City, Utah

**WHAT WOULD YOU DO . . . to provide a positive seal on concrete floors  
— CONSISTENTLY ?**

**Acrychlor is the proven answer**

- A multi-purpose convention and exhibit facility such as the Salt Palace is the most severe test of a concrete floor.
- Several different sealers were tested.
- ACRYCHLOR DID THE JOB.
- Do your client and yourself a favor — specify and insist upon Acrychlor on your next project—  
A positive seal on concrete floors — consistently.
- Available with gray flattening base for exposed concrete. Clear for exposed aggregate and terrazzo. Does not yellow.

Contact your local Protex representative for your Spec Data Sheet, or



**PROTEX INDUSTRIES INCORPORATED**

1331 W. Evans Ave. • Denver, Colo. 80223 • Phone (Code 303) 935-3566 • Cable: Protex

# symposia

construction communications  
in the West

VOLUME 6

NUMBER 7

DECEMBER, 1971

## THIS MONTH

	Page
<i>Let's Talk It Over</i> A.G.C./A.I.A./C.S.I Meeting	8
<i>A Symposia Salute</i>	10
<i>Architects' Stand on Denver's Downtown Parking</i>	12
<i>Accentuate the Positive</i>	13
<i>Engineering Study</i> Morrison-Knudsen Headquarters Building by: Terence O'Rouark, P. E.	14
<i>The Wrap-Up of the Northwest Regional Conference</i> With Candida and Copy from: Robert Hamill, Robert and LaDonna Fehlberg	16
<i>The Candidates for Director</i> Region 10/Construction Specifications Institute	21
<i>Beautiful! And How to Keep It That Way</i> by Ted Johnson	22
<i>Joint Region 10/11 C.S.I. Conference</i> A Summary from Richard C. Perrell, CSI/AIA	24
<i>Take Me To Your Leader</i>	26
<i>Annual Meeting of The New Mexico Society/AIA</i> Reporting: Bradley F. Kidder, FAIA Joe Boehning, AIA	28
<i>Symposia/Around the Region</i>	29
<i>Open Space Schools</i> A Review	32
<i>Main Street</i>	33
<i>The Last Word</i>	34
<i>A Christmas Chuckle</i> How Much Is That Doggie In The Window?	36

**publisher:** Fletcher B. Trunk

**editor:** Elizabeth W. Trunk

**CONTRIBUTING EDITORS:**

Landscape: F. J. MacDonald,  
AIA/CSI Arizona

Urban Affairs: Ronn Ginn,  
AIA/AIP/CSI  
New Mexico, Florida

A publication of Boyce Publication, Inc. Issued monthly.  
Business offices 4070 Estes St., Wheat Ridge, Colorado 80033

Telephone Area 303—422-4153

Controlled circulation postage paid at Denver, Colorado  
Copyright 1971 Boyce Publications, Inc.

### EDITORIAL ADVISORY BOARD

#### arizona

Warren Edminster, AIA/CSI  
Sidney W. Little, FAIA  
Richard C. Perrell, AIA/CSI

#### colorado

James Barr, CSI  
Don Decker, ABC/CSI  
W. Patrick Dulaney, AIA  
William H. Hawes, CEC  
Thomas W. Keeton, Jr.,  
CSI/PC  
F. Lamar Kelsey, FAIA  
R. James Noone, CSI  
Maxwell L. Saul, FCSI/AIA

#### idaho

Robert L. Hamill, Jr., AIA  
John L. Hoffmann, CEI

#### montana

Robert E. Fehlberg, AIA  
A. Calvin Hoiland, AIA

#### nevada

Edward S. Parsons, AIA  
Walter F. Zick, AIA

#### new mexico

Bradley P. Kidder, FAIA  
Joe Boehning, AIA  
Robert Schmidt, FASCE-CSI  
James R. Cushing, CSI

#### oregon

Robert Wilmsen, FAIA

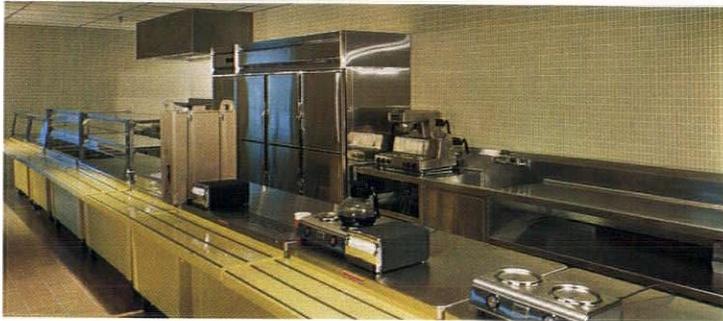
#### utah

Ashley Carpenter, AIA  
Nancy Carpenter, WAL  
Elden V. Talbot, CSI/AIA

#### wyoming

Gerald Deines, AIA  
N. A. Nelson, AGC

# Monarch★Marshall ceramic tile



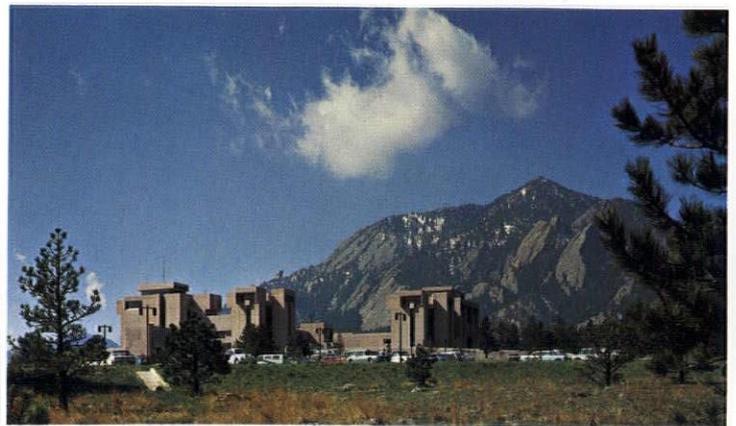
gives  
you



better  
surfaces.



From public buildings to private residences more and more of our ceramic tile products are being chosen by the building industry. Renowned Monarch★Marshall quality and service have spread across the Nation, for here are types, shapes and sizes to be used wherever better surfaces are required. Ask us to have our nearby Monarch man to contact you.



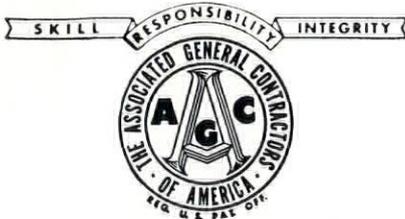
*Monarch★Marshall*



Members of Tile Council of America and the Producers Council



MONARCH TILE MANUFACTURING, INC. SAN ANGELO, TEXAS • MARSHALL TILES, INC. MARSHALL, TEXAS



## Let's Talk It Over!

*A Report Prepared by:  
New Mexico Building Branch/AGC*

A joint committee of the AIA, AGC, and CSI was formed to develop a format for this discussion; and subsequently appointed a three-man panel, consisting of G. W. "Bill" Stuckman, representing the contractors; Joe Long, representing the architects; and Dick Henderson, a construction specialist with Mountain Bell in Albuquerque, president of the Albuquerque Chapter, CSI, this year. Tom Ryan, AGC president and vice-president of Lembke Construction Company, Albuquerque, served as moderator.

Stuckman started the discussion with a treatise on the problems of listing sub-contractors on bid forms. At first, it was suggested that only major sub-contractors (particularly mechanical and electrical) should be listed. Long retorted with the statement that all sub-contractors should be listed, mainly because a complete listing restricts the practice of "bid peddling." "Too often," Long said, "a general contractor will attempt to get another sub-contractor after the job has been awarded. This sub-contractor may, for some reason, not be able to complete the job, and both the architect and the owner are left in the cold."

Henderson supported Long's statement adding that, as an owner, he had a right to know who was on the premises and working on the job. The construction specialist with Mountain Bell added that "negotiating with another sub-contractor after the job has been awarded does not serve the best interest of the owner."

Stuckman brought up the problem of sub-contractors not being able to complete the work after submitting the low bid. It is difficult to remove the low bidder from the list after the job

has been awarded. Long suggested the pre-qualification of bidders could help rectify this situation. Jack Pope (AGC/CSI), a roofing and sheet metal contractor in Albuquerque, added that it makes "plain ordinary sense to bond the subs."

The problem of a sub-contractor submitting the low bid and then leaving out certain essential items was also mentioned by Stuckman. In this case, the general contractor often has to make up the difference in cost.

Stuckman's second topic of discussion concerned the posting of current wage rates in architects' offices. A show of hands indicated that only one architect at the meeting had a current listing of labor rates in his possession. Better communication in this area could help architects' estimates be more realistic, the contractor said. Stuckman also suggested that the owners might consider putting up a bid bond to help defray costs of estimating for contractors, when the job is not awarded.

The contractors' last pet peeve was the problem of "too many inspectors on the job."

Stuckman suggested that all inspectors work through the architect's inspector and that this pattern of communication be established at the pre-job conference. Thinking on the same track, Stuckman said that construction is getting "very technical" and inspectors are checking every single item. "If the inspector is going to check out every detail, including the fasteners of the bar joints, these items should be included in the specs," the Albuquerque contractor said.

Henderson suggested that the CSI format be utilized to help rectify this problem.

*There has been for some years now a good deal of lip-service paid to the premise that all segments of our much fragmented Industry should sit down and "talk it over." Occasionally . . . somebody really does! Case in point: a meeting held in Albuquerque, New Mexico on October 13 when almost one hundred architects, contractors, engineers and owners met for a Joint Meeting (A First) to discuss Bidding Procedures.*

Long asked the question: "What is wrong with our (architects') specs?"

The immediate answer concerned the placement of similar items in more than one set of specifications. For example, mechanical specifications are sometimes mistakenly placed in roofing and sheet metal.

Concerning change orders, Ryan objected to the fact that owners and architects "sit too long" on change orders and then are shocked at the cost the contractor requires to carry the change order through.

Before the contractor receives instructions to proceed, costs of labor and material have gone up. It was suggested that the idea of "mark-ups" be explored to help cover additional costs accrued by the contractor in carrying through change orders.

Long said that extension of time costs of the contractor might be counted toward additional labor. It was later brought up that government agencies will not allow this.

Henderson discussed the problem of placing similar items in more than one set of specifications. He suggested that the CSI format could be used here also and offered to explain it "in all its glory" to anyone not familiar with it.

The October 13 meeting was an "ice-breaker," however, and the joint committee will continue to function to develop further topics of discussion for future meetings.

*NOTE: If all of these "bones of contention" sound familiar it is only because they are—we've been gnawing on them for lo these many. Let us hope the "communications" continue!*

If you've celebrated your 30th birthday, here are ways Midland can help make your future birthdays happy:

And you can retire into The Sunshine Life.

**KEOGH PLAN for self-employed**

Here's a safe, sure-growth retirement trust program that puts before-tax dollars to work for you. Under recent Federal legislation amending the Keogh Act, Midland is empowered to act as trustee for your retirement fund, and your contributions up to 10% of your income—or \$2,500 annual maximum—enjoy totally deferred tax status. Further, your money earns Midland's daily interest, compounded daily, at the highest rates available from any savings association. Your before-tax dollars grow faster, more surely, at Midland, with no market uncertainties, and they're insured to \$20,000 by an agency of the federal government.

**Automatic Income Account**

A flexible, sensible plan to provide for retirement—safely, surely, and with high earnings. It starts with a \$5,000 insured savings deposit on which you gain the highest interest, paid and compounded daily, available from any savings association. The plan permits you to draw checks on a regular basis—in the amount you specify, for any period you desire—from your account until it is exhausted. You can make deposits, change the withdrawal amount or frequency, withdraw lump sums, or terminate the account at any time.

**Passbook Savings Account**

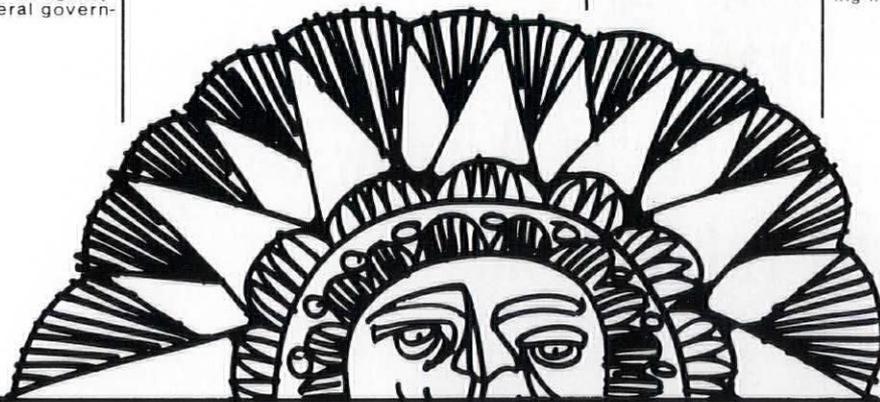
To provide a growing cushion of ready cash for retirement, Midland offers two passbook savings plans: Regular Passbook Accounts providing you with savings earnings at 5% interest and immediate availability of your money, and Premier Passbook Accounts paying "bonus" interest of 5¼% for 90-day withdrawal notice. With both, you can save in person or by mail—savings earn daily interest, compounded daily—and all accounts are insured to \$20,000 by the Federal Savings and Loan Insurance Corporation.

**Perpetual Income Account**

A monthly "paycheck" from your savings account, without touching the principal, is the big appeal of this 15-year Midland retirement plan. You decide how much you'd like to have per month and you deposit a similar amount in your Perpetual Income Account. Your insured savings grow at Midland's high rates with daily interest compounded daily, enabling you, at the end of the 15-year period, to draw monthly income checks for the rest of your life, leaving the principal intact as an emergency reserve. It's an excellent way to supplement Social Security or other retirement income.

**Savings Certificates**

Midland's Bonus-Tender, Growth-Tender, and Success-Tender saving certificate programs provide three safe, sure ways to high investment return. For whatever maturity period you decide best suits your financial planning, up to ten full years, Midland guarantees you up to 6% per annum interest, depending on the amount of your deposit, compounded daily upon maturity. Your deposit is insured to \$20,000 and Midland's higher ratio of reserves to deposits is further assurance of absolute peace of mind. (For amounts over \$100,000, rates above 6% are available, according to varying market conditions.)



**FREE—SEND TODAY!**

To assist in your planning for your retirement years, Midland offers you a free copy of "Managing Your Money for Retirement." Authored by William Laas, this helpful book answers the why, when and especially the how of making your retirement the most rewarding years of all. For your copy, plus information on any of the savings plans outlined above, complete and mail the coupon at right.



**Midland federal savings**

17th and Glenarm • Denver, Colorado 80202  
Phone 303/222-9441



Please send me my free copy of "Managing Your Money for Retirement." I would also like information on the following:

- Keogh Plan  Savings Certificates
- Automatic Income Account
- Passbook Savings Accounts
- Perpetual Income Account

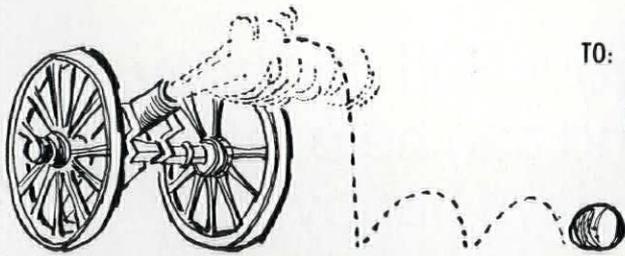
SA-2

NAME \_\_\_\_\_ (Please Print)

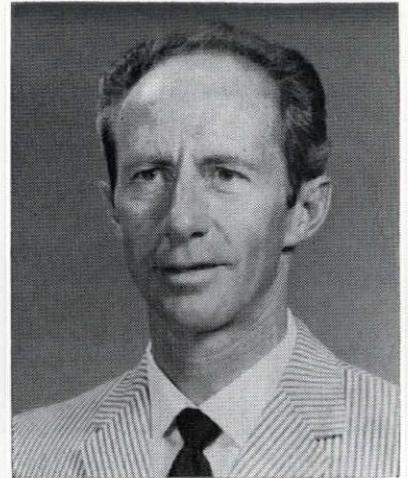
ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

## a symposia salute



TO: Robert E. Fehlberg, A.I.A.  
Newly Elected Director  
Northwest Region/A.I.A.



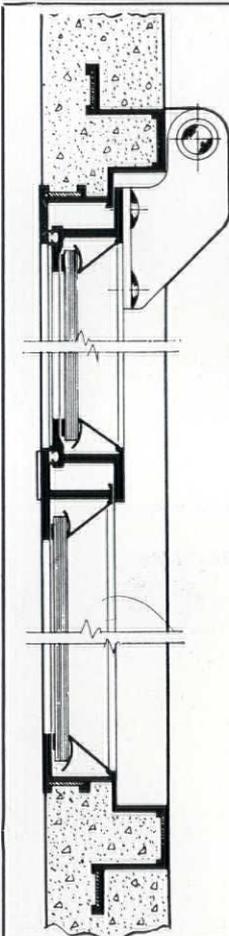
An important part of the 1971 Conference of the A.I.A.'s Northwest Region was the election of Bob Fehlberg as their new Regional Director to serve 1972-'74. A dedicated and resourceful professional, he is a principal in the firm of C T A Architects/Engineers/Planners with offices in Billings, Montana and Twin Falls, Idaho. And, he is, of course, right at home in JPB Country since he was born in Kalispell and educated at the University of Montana and Montana State where he received his B. Arch.

Bob looks back upon a long and honorable as a member of the Institute. He has headed the Billings Architectural Association, the Montana Chapter and served four years on the Executive Committee of this group. During 1971, he has been a contributing member of the Administrative Office Practice Committee/AIA.

Honored in 1965 with Fellowship in the Montana Institute of the Arts for his leadership in both art and architecture in Montana, Bob made a unique contribution to the cultural life of the community through his voluntary efforts in instigating, designing and renovating of the Yellowstone

County Jail into the County Art Center. He has been a "fearless leader" for the Billings Arts Association, of the Montana Institute of the Arts and the Yellowstone Art Center Foundation. And he shares all these interests with his wife LaDonna—both are equally gifted with camera and pen. Another area of mutual interest for the talented Fehlbergs . . . their four children . . . Kolby, Kenje, Kurt and Klee.

We are, at Symposia, particularly pleased to fire this December salvo to Bob Fehlberg since he has been a member of our "family" since April of this year—and has done yeoman service providing coverage of significant national, regional and local events almost monthly . . . note the Fehlberg "team" report of the Northwest Region in this issue. Bob Fehlberg—National Director—we salute you!



## Throughout the Western States, Colorado Metal Products Provides Total Capability in Window Design and Fabrication.

Erecting pre-cast concrete buildings?

Insert U. S. Patented Colorado Metal Products aluminum sash in casting molds, and achieve:

Significant cost savings through trouble-free installation.

Overall improvement in aesthetics.

**NOW** New Electro Brown Finish.

Permanency of installation.

If you are planning commercial or residential construction, inquire about COLUMBINE steel or aluminum casement windows, full wall-width basement windows, sliding, single-hung or awning windows, and sliding aluminum doors.



### COLORADO METAL PRODUCTS

450 KALAMATH STREET • DENVER, COLORADO 80204

(303) 266-2451

The only Colorado owned metal window manufacturer for over 30 years.

Another Les Taylor Enterprise

# ARCHITECTS

*Unlimited Versatility of Design with Precast Concrete*

*Aesthetics      Durability      Design*

*Have You Really Given Due Consideration  
to Precast on the Jobs now in your office?*

## NOTE:

Based on Plans and Specifications and Bids Resulting in a Contract to Build a Building of approximately 140,000 SF in 1966. The 1971 cost indicates this same structure would be 38.5% higher.

Involved in this structure are approximately 33 basic Sub-Contractors with average increases of 24% to 65%.

A review of these estimates indicates PRECAST CONCRETE increase from 1966 is only 24%. A MATERIAL YOU CANNOT AFFORD NOT TO USE.

*Speed of Construction*



*Reduction of costs*

**MALCOLM PRECAST PRODUCTS CO.**  
6900 ELM STREET      288-1571      ADAMS CITY, COLO.

*Architectural      Structural*  
*Prestressed Concrete Institute*

## A LESSON IN LOGIC

**FACT:** Colorado Paint Company has been in business in Colorado continuously since 1904.

**FACT:** Colorado Paint Company makes specification paints and industrial coatings for national companies.

**FACT:** Colorado Paint Company is small enough to give personal attention and large enough to handle — efficiently — all orders.

**FACT:** Colorado Paint Company is in a modern building with ample parking just off I70 in the Stapleton area.

## CONCLUSION:

Colorado Paint Company is a good place to get paints and special coatings.

### COLORADO PAINT COMPANY

Manufacturers of SUPERIOR Paint Products

SINCE 1904

4747 HOLLY STREET



DENVER, COLORADO 80216  
303-388-9265

## Architects Take Firm Stand On Denver's Downtown Parking

The Colorado Central Chapter of the American Institute of Architects has issued the following position paper concerning the proposal to build two very large parking facilities in downtown Denver.

"The recently completed study of off-street parking needs in Downtown Denver reveals once again the same tragically shortsighted view of the future of the Denver Central Business District which was expressed in the 1963 Downtown Denver Master Plan Development Guide.

"The parking study prepared by Alan M. Voorhees and Associates, Inc., further reflects an inadequate understanding of the basic environmental truths which have been so well documented in the recent reports of the Denver Research Institute which analyzed the relation of air pollution to automobile traffic in the Denver Central Business District and freeway corridors.

"One must remember that the parking projections in the Downtown Denver Master Plan Committee Guide were derived from the obsolete data and loaded projections of the Denver Metropolitan Area Transportation Study (DMATS). The DMAT studies were further based on projections of the existing trends, rather than sound environmental planning reflecting the evaluation of regional goals.

"A very feasible alternative to the proposed close-in garages, which would be a positive contribution to the quality of the downtown environment, would be the use of a system of auto intercept lots or garages that would allow the use of transit as the primary mode into the Central Business District. This proposal is eminently more feasible than the expense of \$15,150,000 to build the proposed two garage facilities. The massive traffic jams and air pollution resulting from the construction of the 15th and 18th St. garages would be totally destructive to the quality of the environment of the Central Business District.

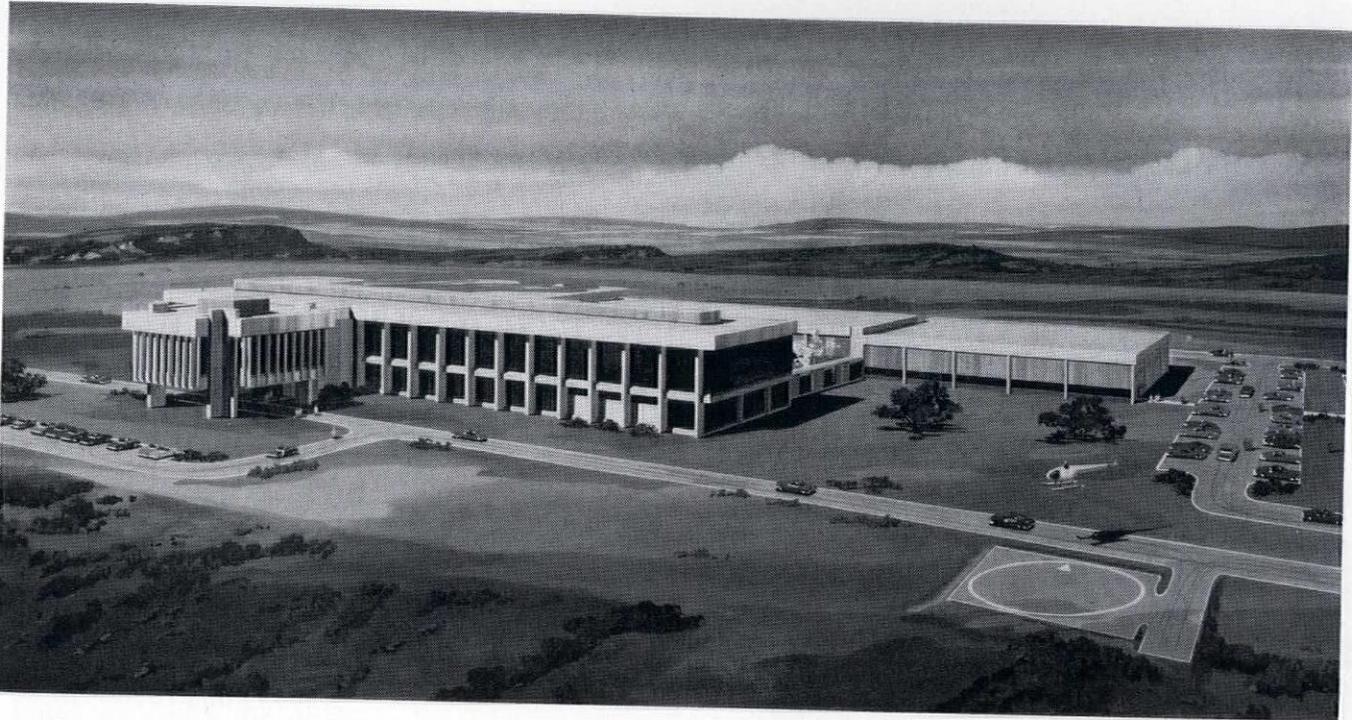
"The Voorhees report must be additionally faulted on its extremely conservative view of the future of public transit in the Central Business District. If the City and County of Denver is to provide adequate transit service as well as environmental amenities to the residents, merchants and shoppers of Downtown Denver, a transportation plan must be devised that will allow the use of transit for 80 to 90% of all trips from remote auto intercept points into the Central Business District. The responsibility for the encouragement of the development and use of public transit for the majority of future Central Business District Trips lies with the Mayor and City Council.

"The Voorhees group should be commended for its recommendations concerning the 16th Street Mall, it is certainly a devoutly hoped for adjunct and enrichment of the Downtown Urban fabric. At this point in time, a Stout St. Mall would make more sense due to the existing location of Currihan Convention Center and the Federal Complex on Stout Street as logical termini for such a pedestrian facility.

"One fails to see the relationship between the pedestrian mall proposals and the parking facilities in the context of the Voorhees Study. Hopefully, the mall idea is not included merely to 'sweeten the pot' in favor of the garage proposal."

# Accentuate the Positive

## Good Neighbor Policy



*The Wigton-Abbott rendering of the new J-M Research and Development Center on the Ken-Caryl Ranch site. General Contractor for the project is the N. G. Petry Construction Company of Denver.*

There was among certain of the citizenry a lack of enthusiasm when Johns-Manville announced they were moving their headquarters from New York to Denver. This was followed by a few premonitory shudders when J-M purchased (for \$7.750 million) the ten thousand acre Ken-Caryl ranch nestled in the foothills about fifteen miles south and west of the City as the site for their new facilities.

But in November . . . the V.I.P.'s came to town to break ground for the first building . . . the multi-million dollar Research and Development Center. Enunciating J-M's plans for the future was their young, ebullient President, Oregon-born, Bill Goodwin. It seems they are going to be pretty good neighbors, after all.

At Mr. Goodwin's right hand was Robert Geddes FAIA, Dean of Princeton's College of Architecture and Urban Planning and principal in the firm of Geddes-Brecher-Qualls-Cunningham. They selected the original site and have the ultimate responsibility for its planning. Promised Dean

Geddes, "We hope we can make it a model for a balance of ecological and economic considerations." Rumors to the contrary, no definite plan has been drawn. Talent has been drafted from the staff of Colorado State University, and a final presentation can be expected by Spring, 1972.

A few guidelines have been established. Only a small portion of the acreage will be used by J-M for facilities; the now-shabby ranch house will be restored and kept although its ultimate usage has not yet been determined; the old stage coach station located on the property—now burned out, will also be restored. The ranch house, a Western version of antebellum architecture, has a pleasant prospect from its pillared porch down a valley, and through a cleft in the hills, Denver is glimpsed through the dining room windows. It was built by

John C. Shaffer, former publisher of the Rocky Mountain News, (And we never knew publishers made that kind a money!)

To be sure, the J-M development will not be a home-grown product. Geddes-Brecher-Qualls-Cunningham, the land planners; Wigton-Abbott Corporation, architects/engineers and the Space Design Group, Inc., interior designers, are all from the east coast. However, Dean Geddes pointed out J-M now considers themselves citizens of Colorado, not outside developers. "J-M intends to be a citizen of which Colorado can be proud."

It is gratifying to those of us who live in "God's country," and are aware of the delicate ecological balance of our western environment to find an eastern corporation sensitive to our problems. It is a "good neighbor policy" we appreciate.

## engineering study

(We are always particularly pleased when we are able to bring our readers a study of this sort—and our debt of gratitude is not only to Mr. O'Rouark and his firm, but also to John L. Hoffmann of the Consulting firm of Hoffmann-Fiske, a member of Symposia's Editorial Advisory Board. "Larry" sponsored the project with his colleagues in the Consulting Engineers/Idaho and with patience and persuasion brought it to a successful conclusion. Our appreciation to you all, gentlemen.)

# WORLD HEADQUARTERS BUILDING

for  
Morrison - Knudsen  
Boise, Idaho

by: Terence O'Rouark, P.E.  
Engineering, Incorporated  
Boise — Pocatello

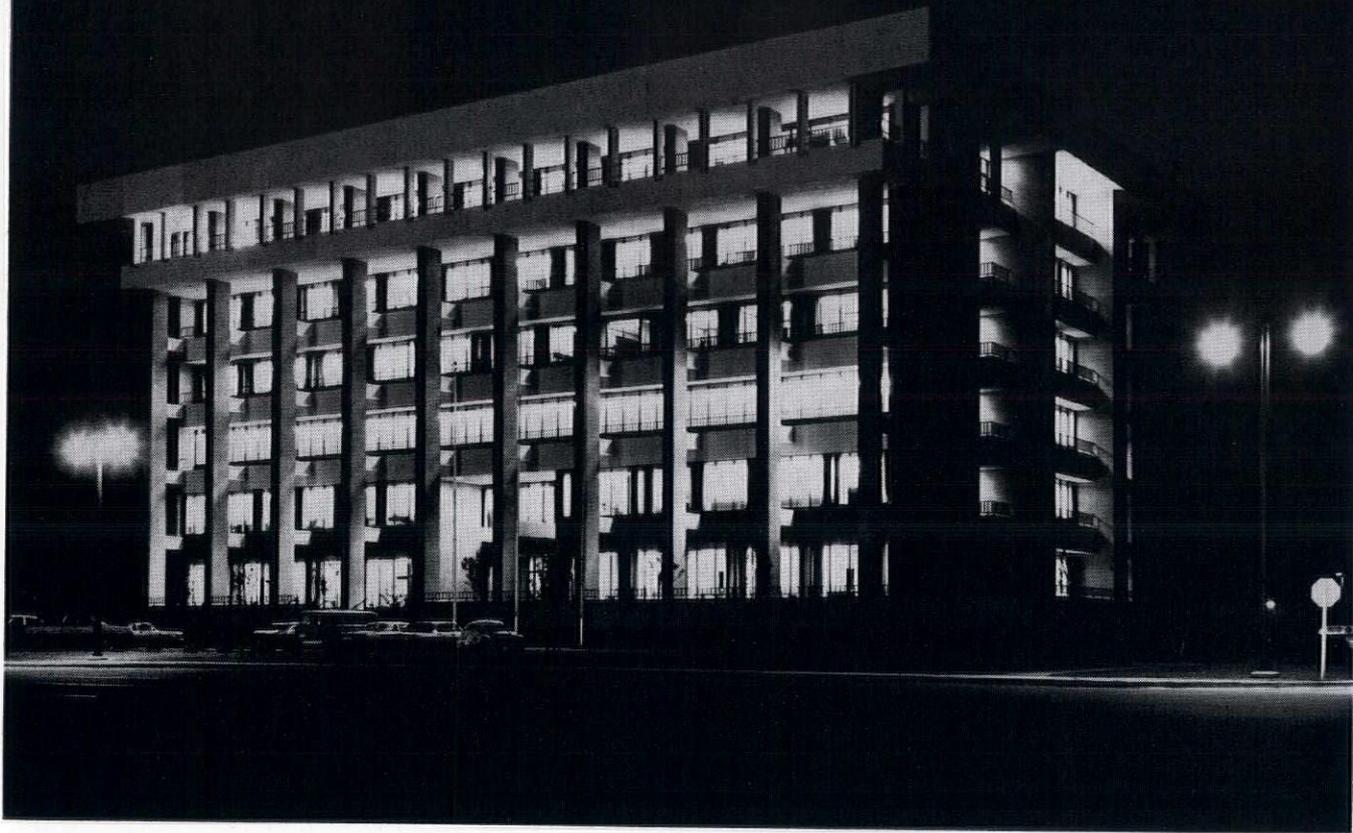
With the passing of Harry W. Morrison on 19 July 1971, an era in the construction industry came to an end. However, in June 1970 there was completed a fitting monument to this pioneer of modern heavy construction, the new Morrison-Knudsen World Headquarters Building. M-K, as the firm is widely known, was founded in Boise in 1912 by Harry W. Morrison and Morris H. Knudsen with "\$600 and a team of horses." From this humble beginning, the company grew into one of the world's largest contracting firms. A major project that proved the young company's worth was the building of Hoover Dam on the Colorado River. As the company grew in size and complexity, branch offices were opened in several cities of the U.S. and foreign countries.

In 1968, the management decided that the present shops and warehouses would be moved to quarters in a suburban industrial park and the land developed for offices, apartments and a motel. The first building of this complex is the new M-K Office Building. The planning for the building allowed the consolidation of personnel from several buildings in Boise into a more efficient building. The fine airline service to Boise and an M-K jet aircraft allows the company's executives to reach any point in the U.S. in a few hours. Because of this, the decision was made to close or reduce personnel in offices in other cities and centralize these staff members in the new building.

The Architects: Cline, Smull, Hamill, Shaw & Associates of Boise designed a building to accommodate the requirements for space and function created by the centralizing of personnel. As may be noted in the picture, the first floor is elevated above the surrounding terrain. This was done to allow a full basement above the high, fluctuating water table caused by the adjacent Boise River. The podium thus created allowed the creation of an attractive, landscaped plaza encircling the building.

A major interior feature of the building is the four story high inner lobby. To demonstrate the worldwide nature of M-K's operations, sculptor Walter Graham has created a 12 foot diameter copper globe of the world. The globe





is suspended to the second floor level, and together with other sculpture work, fountains and furnishings, presents the visitor with an interesting treatment of space, dimension and textures.

By eliminating interior load bearing walls, the Architects have planned for easy future office and function changes. Presently consisting of a basement and six floors, the structure is designed for a future seventh floor. Thus, with the current expansion of M-K into fields other than heavy construction, the building will serve expansion and function change for many years.

The flexible nature of the building presented the mechanical and electrical engineers, Engineering, Incorporated of Boise, with interesting design criteria. To provide for future partition changes, a high pressure dual duct air system was utilized, which serve air supply and return light fixtures through locally controlled mixing boxes and flexible ducts. These fixtures supply the interior areas while the perimeter walls and windows are washed with air from continuous sill line diffusers. The cabinets for these diffusers provided space for electrical and telephone outlets and raceways in addition to providing appearance continuity with change in partitions.

M-K selected electricity as the energy source. The engineers under the direction of Mr. Donald D. Wisdom, P.E. used two electric boilers to supply hot water to the building heating system. A fan system in the basement serves the lower floors, while one located in the mechanical penthouse supplies the upper floors. The hot and chilled water coil systems in the air supply fan systems were utilized to provide dependable, accurate temperature control. A water cooled chiller supplies cold water for building cooling. Due to the proximity of the river, abundant

ground water is available through shallow wells to supply the heat exchanger for the chiller. These wells also supply lawn sprinkling water in addition to dewatering the site around the basement. A third boiler provides steam for humidity control in the computer center. Electric water heaters are distributed around the building to serve toilets, kitchen and photographic darkroom needs.

The large electrical loads indicated the use of 480Y/277 volts throughout the building. Local, 208Y/120 volts dry-type transformers provide the lower voltages needed for convenience outlets, incandescent lighting and small motors. The high, interior lobby noted above required a unique solution for lighting and servicing of the fixtures. Fifty-four, single-ended 250 watt quartz lamp fixtures were recessed into the coffered ceiling of the lobby. These reflectors provide a warm, pleasant level of light on the lobby walls and floor plus sparkles of reflections on the copper globe.

The floor above each of the fixtures has a removable panel through which the fixtures may be removed, cleaned and relamped. This eliminates any need for four-story high scaffolding to service the fixtures. Office areas are lighted with 24" x 48" lay-in fluorescent troffers. Each fixture returns room air through the lamp chamber to remove fixture heat. Selected fixtures are equipped with air supply boots for heating, cooling and ventilating interior spaces. To enhance the nighttime appearance of the building, the outer row of lighting fixtures are separately turned on by a time clock. The light from these fixtures shining through the mesh drapery and solar bronze tinted windows provides a solidly illuminated appearance for the building visible from a distance of several miles as one approaches Boise. In addition, the heat from these fixtures serves to keep the building warm during the cold part of the year.

# The Wrap-Up of the 20th Annual Conference The Northwest Region/American Institute of Architects



And putting the bows on the packages:

Robert Fehlberg, AIA  
LaDonna Fehlberg  
Robert Hamill, AIA

*(The next best thing to being there is to enjoy the excellent reporting and photography of Symposia's team of three talented and delightful people. They have, indeed, "wrapped up" the 20th Northwest Regional Conference with style — and a chuckle or two. There was so little repetition in the two separate reports . . . we withheld the blue pencil. (Symposia owes them all a very real debt of gratitude.)*



*You're looking at part of the Symposia Team — Jo and Bob Hamill of Boise and LaDonna Fehlberg, Billings.*

## Reporting: Bob Hamill

The Central Washington Chapter, The Hanford House, the mighty Columbia, and the weather all combined their efforts to make the "Vision 20/20" Conference an enjoyable and worthwhile eye-opener for the practicing and student architects of the Northwest Region.

With the welcome by Director John Wright, FAIA, the conference, titled "The Architect and Regional Planning", went right into high gear with the AIA Regional Development and Natural Resources Committee, chaired by Marvin Hatami, AIA, of Denver, who introduced the subject. Paul Speiregen, AIA, of Washington, D.C., laid the groundwork for the assembled architects and students with his dual screen slide show, titled, surprisingly, "Regional Development." This presentation was a very interesting, step by step history of regional development and planning in the United States. His broad "evolution" of the city and the American urban pattern set the tone for the next few days. His slide show, by the way, is available, complete with the written program, to chapters and provides a very worthwhile, interesting program.

The first program was then followed by a real bash by the host chapter, aptly titled "The 4 B's" — Bar/Bar-B-Que/Barge/Bash. Over two hundred participants met their prime subject, the Columbia River, at close range aboard a pile driving company's barge for an alcoholic voyage through the gigantic locks at Ice Harbor Dam, and on down the Snake until we joined the "Mighty Columbia", just below the Tri-City area. The gaily bedecked barge and pusher-tug with its festive balloons and people probably set environment back a few years, but only one landlubber fell off and he said he was trying to retrieve his motor boat. Likely story. The gigantic concrete mass of the locks somehow set a mood for the impressiveness of the program in the days that followed.

Thursday morning the first business meeting was held, and after the normal routine of approval of previous meeting minutes, the delegates reviewed and passed the revised by-laws, which included the revised election procedure which had been in committee since the Hawaiian Conference in 1970.

This was followed by the nomination and election of Robert (Erick) Fehlberg, AIA, of Billings, Montana, for Regional Director, 1972 through 1974. Motion was made by Fred Creager of Spokane, seconded, and passed unanimously. Bob is a principal in the architectural firm of CTA Architects/Engineers/Planners of Billings, Montana and Twin Falls, Idaho. He will represent the 1300 members of the Region on the Institute's Board of Directors.

Following this, Director Wright gave the schedule for forthcoming regional conferences which, for those who like to plan ahead, is as follows:

Alaska	August, 1972
Southwest Washington	1973
Portland	1974
Montana	1975
Seattle	1976

He also announced that the national conventions will be:

Houston	May, 1972
San Francisco	1973
Atlanta	1974
Cincinnati	1975
Philadelphia	1976

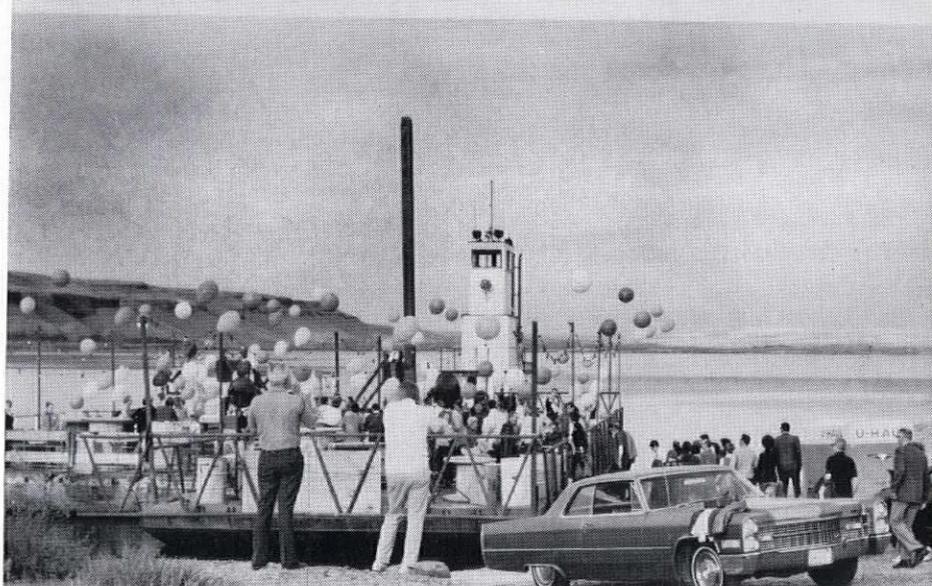
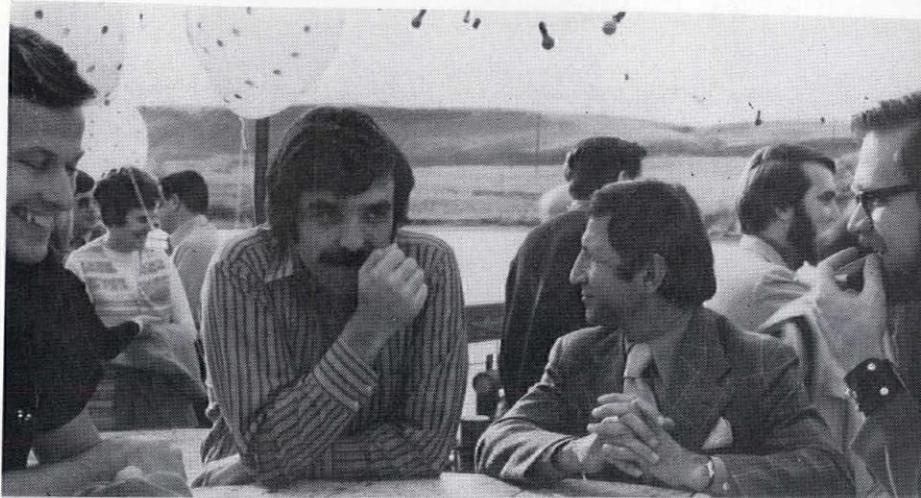
By the way, "Grass Roots, 1972" will be in Phoenix, Arizona in mid-January.

Director Wright then gave the reports and budgets. I had to leave the covering of that portion of the meeting to Bob Fehlberg in order that I might participate in the session involving the National Regional Development Committee and the architectural students. The students were spirited, numerous and interested. The ASC/AIA Northwest Regional Director, Kip Eder from the newly accredited University of Idaho's Architectural Department, set the tenor of the session when he asked the committee members, Marvin Hatami, Don Williams and Jon Decker, "How do we as Architects get our input into client decisions affecting environment and regional development?" The students, about thirty-five strong, were very much in evidence throughout the conference and aided in making the conference all the more worthwhile.

The students of the Washington State Chapter sold a very handsome publication, "Housing", which they had published as their Spring project. Price \$1.50 for those who did not buy a copy at the conference.

Thursday afternoon saw the conference seeing and hearing James Veltman, AIA, of Houston, Texas give his dynamic slide-talk on the planning of the Panther Creek Watershed north of Houston, a 20,000 acre development in an extremely delicate environmental situation. His environmental and ecological analysis as related to the arrived-at-solutions was undoubtedly one of the highlights of the entire conference.

Another of the highlights followed with Seattle Attorney Marvin Durning, relating his love affair with the great river of the Northwest. He set the scene with his memorable description of "Marlboro Country" as it applied to the earlier planning approach in the



At the top and left to right: Dick Knight of Producers' Council, Seattle and Regional Development fellas . . . Don Williams, Marvin Hatami and Jim Veltman. Center: The Barge! And at the bottom: Paul Spreiregen of the R.D. Committee with Marty Crennen and Bill Kuntz from J.P.B. Country.

West — "Cowboy Country, use it and then throw it away." He stated that we were, or at least should be, more in the "Spaceship Era" in which we should plan for an ecological balance to sustain our populations forever. His moving, eloquent capsuled history of the "Great River" and mankind's discovery, use and development brought the theme of the conference much closer to those assembled. He concluded his address with the charge that a "Canadian-U.S. Joint Development Plan be initiated for full optimum use of the great river so that the future will be held in trust for the coming generations."

Brigadier General Kenneth Sawyer of the North Pacific Division of the U.S. Corps of Engineers then told the conference of the engineers starting a new review of the Columbia River to update the original plan done in 1930 and titled at that time, a "comprehensive plan." He stated that a new plan is needed that meets the "social" needs of the region. This new plan will be developed with the "fishbowl planning" approach, which allows greater involvement with the public. This talk gave us all, indications of the Corps' change of direction from an "economic only" basis to one which now considers the "environment".

He was followed by a talk by Colonel Sargent of the Corps and a panel discussion which got rather spirited before adjourning.

Thursday evening as well as Friday evening saw "Sip 'N' Rap" sessions in which the Producers Council members hosted and moderated rap sessions which gave the attendees a chance to discuss at length the conference's subjects.

Friday saw Mr. Jack Robertson, President of the Washington Environmental Council, get on his white steed and charge the energy producing industry. He chided the Electrical Producers particularly for only spending 1/4 of 1% for research programs — the lowest of any major segment of industry. He urged the architects to support the current Senator Magnuson Bill covering waste disposal of the power industries pollutants.

Mr. Bingham of Bonneville Power Administration then described BPA's improved technics relating to gross country transmission lines and substation design and showed slides illustrating the strides made by BPA using their architect-developed "environment criteria."

Following this, Mr. John Biggs, Di-

rector of the Washington State Department of Ecology, delved into the uniqueness of the interest in the environment in the 1960-70's.

Then with the addition of Ken Brooks, Spokane AIA, to the panel, the group, whose number had swelled with a number of "pro and con" environmentalists, talked on many issues related to the general conference theme. One of the most interesting issues discussed was the need to re-examine current recommended lighting levels as being wasteful. It later developed that this is being done.

Friday also was the day of the Hanford Reactor excursion. The four bus loads of architects and wives toured the area and viewed at close range the power generating plant at Hanford Unit No. 2 — and wondered why are we still building all those huge dams. Friday evening saw the group dining on the bank of the Columbia, at the delightful "Terrace Steak Fry."

Jon Decker, AIA, Seattle and Regional Development Committee member, provided another highlight with his slide show of the Columbia from the mouth to the upper Washington reaches. This showed the scale and setting of the river in a manner never before seen by most of us, a low-level aerial view.

Saturday, the final day except for those who took the Hell's Canyon jaunt, started with the final program headed by Mr. Ned Langford, Planner, from Medford, Oregon. He described his efforts to date in the developing of "How to Develop a New Comprehensive Plan for the States of Oregon and Washington" for the area of the Columbia River, primarily from the Portland area to the Tri-City area, and based on the watershed. He described his effort as a "cookbook" on how to go about approaching this bi-state plan. He described the principal problem as one of working out the problems with many government, public, and private groups involved. He stated the need for a "policy" group which would function as a sounding board and a technical group as well as a management group to follow the program through and give it motion.

Dr. Gastol of the Batelle Institute of Richland gave us an interesting insight into this area by defining the Columbia River area as a "lineal" rather than "geographic" region in the normal understanding of the term.

Mr. Kirby Billingsley, Commissioner, Chelan County P.U.D., described the

boat parkway system currently being developed on the Columbia, and described efforts toward the planning of cultural centers at the dams for the full 1200 mile length, about 12 to 15 centers in all, each describing their particular area to the boating public as they travel this mighty river.

The conference theme program was concluded Friday afternoon in a delightful manner by Marvin Durning, who pulled all the loose ends together in a neat package and urged us, his "fellow Greeks", to help get the job done.

The business meeting then reconvened and five resolutions were presented by the Resolution Committee, chaired by Fred Creager, AIA of Spokane.

*(These are summarized at the conclusion of this article.)*

The Alaska Chapter's Drum Beating contingency, led by Kenneth Maynard, then enticed us all with movies of Alaska and Siberia. For those of you who missed that, it looks as if Alaska is the place to be in August, 1972.

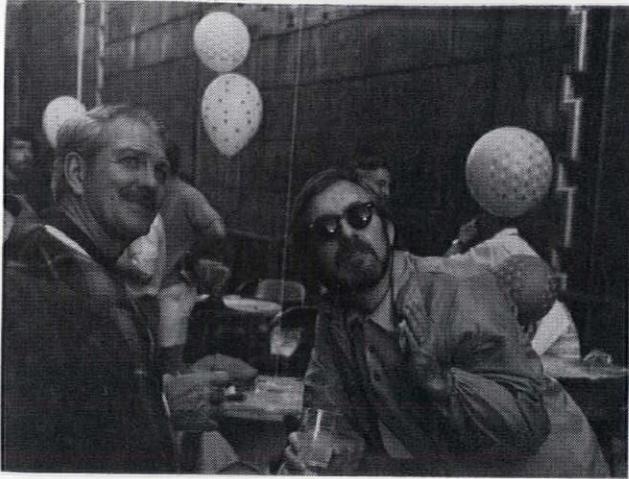
Saturday evening's dinner and dance concluded "Vision 20/20" and each of us, I think, were actually glad to see it end. The many tremendous speakers, the excellent programs by the National Regional Development Committee, the student-practitioner rap sessions, the delicious food and beautiful surroundings, made it really a great conference. At the end of four days of such high-powered activity, we all needed to go home and rest for awhile, before tackling with renewed vigor the problems of our environment.

The Central Washington Chapter, led by President Gerald Mosman and the conference chairman, Art Carson, as well as each member's wife, is to be complimented — they did a great job. But a special thanks should be given to Director Jack Wright and his wife, Kay, for their effort really tied the whole exciting package together.

#### — ON TO ALASKA —

Reporting: Bob and LaDonna Fehlberg

Isn't it amazing how most photographs of people at conventions show them clutching a glass of booze — it makes the image of the convention that of a glorious party — now, that's exactly what happened at Richland during the Northwest Regional Conference. It was a glorious party and that doesn't mean that everyone was "bombed out of their mind" but there



Regional Director Jack Wright and Fred Creager look up in the shadows of Ice Harbor Dam.



Russ Graham, P. C. President, Portland and Jody Proppe, AIA Executive Secretary talk it over.

was an excellent blend of all things which combine to provide an atmosphere for the discussion of the practice of architecture.

After a day of discussing the Columbia River, its dams, waterways, power plants, and recreational facilities what would be more informative than climbing aboard two barges lashed together, propelled by a tug boat. The barges anchored in the Snake River behind Ice Harbor Dam were outfitted with the necessities of life (booze, barbequed beef and music) for a 4-hour trip through the locks at Ice Harbor, down the Snake River into the Columbia, then up the Columbia to Hanford House, the Convention headquarters. In this relaxed setting it was possible to further explore the ideas presented earlier in the day and to exchange information with fellow architects working under different conditions in other areas in the region but with many common problems. The Barge Bash has to go down in the record books as a most memorable occasion for AIA and the people of Pasco, Richland and Kennewick who had never seen such a craft on the Mighty Columbia.

The Regional business sessions saw topics such as adoption of Regional ByLaws that provide provisions for a mail ballot, allowing a "one man, one vote" possibility in the event of multi candidate election situations. The bylaws were reviewed and passed, indicating that the architects in the Northwest Region are interested in exploring an election method that would allow each member of the Region to cast his ballot for Regional Director, not just those attending the Regional Conference. However, with only one candidate this year, that procedure will not be tried until the

election in 1974 when a successor to Robert Fehlberg (Montana Chapter) is selected.

Other topics of business included the Student/Professional fund established by the Region with William Bain, of Seattle, as chairman. This fund will make it possible for students in the schools of architecture throughout the region to become involved in AIA activities and to become more familiar with the practice of architecture. The Student/Professional fund is in the process of establishing a 501-C.3 tax exempt status with the Internal Revenue Services.

Dinner on the lawn around the pool at Hanford House indicates the beautiful weather the people of Richland arranged for the Conference. Excellent dinners by candlelight allowed the architects and their wives to further discuss practice and compare notes on clients (good and otherwise), fee problems, lack of work problems, and the upcoming University of Washington/Stanford football game.

Extraordinary rap sessions were held after dinner two evenings. They started at 8:00 p.m. and continued until midnight and beyond. Discussion centered on topics of the afternoon presentations. Ecology of the Columbia River drainage, the conservation of energy, and how the Profession could become involved in problem solving.

The final evening's activity saw the formal introduction of the new Regional Director, and a presentation honoring Jack Wright, FAIA, and his wife, Kay, who have served the Region so unselfishly for the past three years.

Ken Cannon, Alaska Chapter President, made a pitch to the members in-

dicating the fine program that they will present at the next NW Regional Convention which will be held in Anchorage next August. Side trips to Portage glacier, Alyeska Ski area, Nome and Kotzebue and Siberia are on the agenda.

The conference attendance was below that expected but perhaps the smaller attendance made it that much more pleasant. The conference planned by a small chapter, Central Washington, under the leadership of Gerald Mosman, Chapter President, and Art Carson, Conference Chairman, will go down in the record books as fine a conference ever held in the Northwest Region. The theme program was excellent and the facilities at convention headquarters second to none, weather most delightful—one memorable time was had by all.

Unfortunately more could not attend. But as Bob Hamill says:

#### — ON TO ALASKA —

#### BE IT RESOLVED

(All but Resolution Number 3 have been summarized.)

**Number 1:** (Submitted by Portland Chapter, AIA Executive Committee) Frequently members feel they cannot take three days from a work schedule and attendance might be greater at future conferences if the overall meeting time was limited. Resolution called for future regionals to be limited to two week days scheduled prior to or following a weekend . . . but such a schedule shall be considered advisory, not mandatory.

**Number 2:** (Submitted by Robert Durham, FAIA) Due to economic factors in the Northwest, this resolution urged the Region to petition State and Federal Government (through the Board

of Directors of the AIA) to institute a program of advance planning for Government projects.

**Number 3:** (Submitted by the Resolution Committee)

Because the earth's resources are limited and because there are no limits to man's spirit and aspirations, we believe that there must be policies that place constraints on the unplanned or ill-considered use of the earth's resources.

It is apparent that the factors to be considered in establishing standards of environmental quality are vast, complex, interrelated and only partially understood.

It is also apparent that we cannot consider our acts without considering the effect these acts may have in an ever increasing sphere of influence. Therefore, be it:

**RESOLVED**, that this 20th Annual Conference of the Northwest Region, A.I.A., support, encourage and commit itself to request all levels of government and industry.

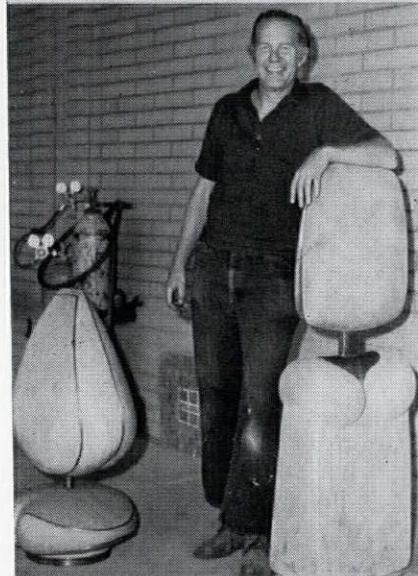
- (1) Give the highest priority to the preservation and controlled use of the earth's resources;
- (2) Funds for research into the physical environment;
- (3) Encourage the use of comprehensive regional planning in the development of urban and open space;
- (4) Promote a change in advertising to emphasize the responsible use of resources, and further,

**RESOLVED**, that the members of the Northwest Region, A.I.A., must consider the consequences their work may have upon our water supply, mineral and fuel resources, wildlife and open spaces.

**RESOLVED**, that the members of the Northwest Region, A.I.A., support a unified, systematic development and conservation of the historic, fish and wildlife, natural beauty, educational, recreational and cultural resources of the Columbia river and participate in federal, regional, and state efforts to achieve this goal.

**Number 4:** (By Resolutions Committee) An expression of deep appreciation to the Central Washington Chapter, guest speakers, students, Producers' Council, the Northwest Lath and Plaster Bureau and other manufacturers and supplies.

**Number 5:** (By Resolutions Committee) A salute to John L. Wright, FAIA, for his able service to the Northwest Region as Director for the past three and one half years. "Because of his leadership we are a stronger profession. Therefore be it **RESOLVED**, that all members of the Northwest



*Pretty Mrs. William Harris models Nell Scott's evening poncho. Below: Sculptor Howard Duell and works.*

Region express their personal thanks and gratitude to John L. Wright.

## *The Ladies*

**Reporting: LaDonna Fehlberg**

Hope no one attending a Northwest Regional Conference ever thinks the various activities are strictly either/or. Either for the men or for the women, that is. The Vision 20/20 conference in Richland, Washington, had no sexual gap in the programming.

The ladies responded to the speakers and at the more relaxed "sip and rap" sessions. The men had to see what was going on in the weaving workshop and in the exceptionally well displayed exhibition room which housed the works of the talented Northwest Designer Craftsmen.

The loom room was bursting with activity with demonstrations by Macky Roberts, Dorothy Reade, Luana Sever

and Nell Scott. Architects wandered throughout the room and asked just as many questions as their wives.

"The Story of Wool" was presented at the ladies luncheon via handsome ponchos designed and hand woven by Nell Scott, wife of a Toppenish architect. They were modeled by Mrs. William Harris as Mary Lee Pence (Mrs. Mark L. Pence AIA) narrated. Mrs. Pence had interviewed Mrs. Scott and presented a unique insight into her work.

She said the Karakul wool which Mrs. Scott uses is a product of her own 2½ acre farm near Toppenish, Washington. She raises and cross-breeds her own sheep to produce fibers of the exact texture, length, crimp and colors she wishes for her exclusively textured garments.

"Each sheep is a different age; each provides fleece which lightens every year and from this most natural process Mrs. Scott has a color range from the black of new-born lambs, through browns and greys to beige and finally pure white." "Mrs. Scott says there is a definite improvement in the wool quality when sheep are fed a well formulated grain ration." Besides the grass on the property, Mrs. Scott supplements this with a special mix, exceptionally high in alfalfa.

Mrs. Scott's garments are eligible for competitive crafts exhibitions because the fit and style are planned and executed into the garment as it is woven. No tailoring of the garment cutting, darting or sewing is allowed. She has won many awards for her work.

In producing such interesting and unique garments the weaver must use ingenuity. Although Mrs. Scott's were born with the garments made by the Pre-Columbian Peruvians, she has added her own personal touches, creating her wearable works of art.

Architects wives modeled the ponchos throughout the afternoon, so the architects could feast their 20/20 eyes on them.

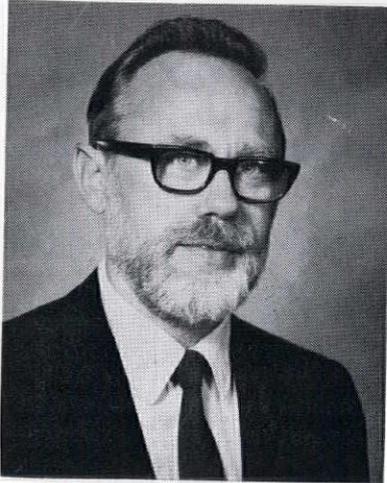
Howard Duell, Seattle sculptor, drew his share of attention as the patio artist while the architects registered. His metal forms are inlaid with concrete and polished becoming, large significant architectural sculptures.

The path to the Jaid Gallery, one block away from Hanford House, was well worn by architects and wives, with most of them finding a hand-crafted piece that would fit ideally in their homes or offices.

# THE CANDIDATES

## Region 10 Director

### Construction Specifications Institute



Richard C. Perrell/Phoenix

Dick Perrell is an Easterner who has "gone straight." He was born in Yonkers, New York, educated at Christian Brothers College in Memphis, Tennessee, but since 1960, Arizona has been "home, sweet home."

From 1960 until '69, Dick was employed in the office of John Schotanus, Jr. in charge of specifications and field inspector. He now maintains a private practice in Scottsdale providing construction specifications and inspection services to architects in the Valley of the Sun. He has been a member of the Phoenix Chapter of CSI since 1961, serving as Director for six years and as President for two terms — 1963-'65. His most recent chore was the General Chairmanship of the highly successful Joint Region 10/11 Conference held in Phoenix this past October. His report is included in this issue.

At the Institute Level, Dick has worked as a member of the Technical Committee and has been Chairman of the Resolution Committee. He joined our Symposia family in June of this year — particularly well qualified having been the Editor of the most informative "Cactus Comments" — newsletter of the Phoenix Chapter.

Dick has been the recipient of a host of awards in the Institute's Annual Specifications Competition with three First Place Awards, one Second and a whole batch of Honorable Mentions. In 1966-67, he was recognized with a special Citation by Region 11 — "for distinguished service in the furtherance of technical research."

The Perrells add up to three . . . vivacious Nancy Jane is the Mrs. and one daughter, 10, Carolyn Ann. Their hobby is a big one — the Conjadane Kennels where they raise and breed beautiful Great Danes. When they can find time . . . they take to the Dog-Show Circuit in search of Blue Ribbons. Dick is earnest and involved in the CSI picture . . . although he terms himself a "rabble-rouser" (upon occasion) he is more accurately described as someone who cares.



R. James Noone/Denver

"Big Jim", as he is affectionately called, is that rare avis — a Colorado native, born in Denver, and he claims a "challenge" to the Jesuits at Regis High School and College. He finished his education at Kansas State University with degrees in both Architectural Engineering and Architecture and was licensed to practice in Colorado in 1956. He immediately became a principal in private practice, leaving this area a decade later to become an Architectural Consultant, and later in private practice . . . 1967 - to date.

Jim has done some teaching on a part-time basis . . . as a guest lecturer at the College of Architecture, Colorado University; at Loretto Heights College, Denver Opportunity School and at CSI Seminar Workshops. He has written excellent articles for the CSI Specifier and frequently graces the pages of Symposia; a "family" member on our Editorial Board for 10 these many.

His CSI career has included service on the Board of Directors, Vice President and President of the Denver Chapter, he is a member of the Institute's Education Committee and was the Vice Chairman (not necessarily in charge of Vice) at the National CSI Convention in 1968. He is the co-author of the Syllabus for the Denver CSI Workshop Seminar and the Procedures Manual.

Jim and his twinkly-eyed Barbara have three children . . . Leslie 20, "presently learning something in Bordeaux, France", Jim says. (Actually, Leslie is a brilliant student and a "real doll") Mark is 11, described by Dad as "future basketball star, currently studying contract-breaking," and Polly at 9 is "future bomb and equestrian . . . to be inflicted upon society in small dosages." For fun, the Noones enjoy music, reading and fishing.

It's not often you find both wit and wisdom beneath the same coiffure . . . not that "Big Jim" has a lot of coiffure (Indian call him Chrome-Dome) but the other qualities are present in great abundance! He feels CSI "bothers harder" and writes "I would enjoy being effective in contributing to a greater integration in this much fragmented Industry."



The view at the left with the helicopter in flight clearly shows the heavily timbered mountainside which was preserved through the use of this new method of construction.

## BEAUTIFUL!

And How To Keep It That Way



Above the L. G. Everist, Inc. headquarters in the parking area — the 'copter has just come in for a new load.

While the customers were "thinking snow" — up in Colorado's High Country this summer, Keystone was busy on a most interesting project. This new ski area — Keystone is located at the base of Loveland Pass on the Western Slope—was opened last year with almost 76,000 enthusiasts enjoying the runs during the initial season. Skier capacity will be raised to approximately five thousand per day with the installation of two huge double chair lifts and 125 additional acres of ski trails. Each of the new Heron Poma lifts is more than 6,500 feet long with a vertical rise of 1,580 feet.

The case in point is not, however, the expansion of still another area in Ski Country/USA, but how this project has been accomplished with a maximum of TLC and a very real concern for keeping Mother Nature at her beautiful best. The prime tool has been a Sikorski S 61 Helicopter lifting 600 cubic yards of ready mix concrete up the mountain—one yard at a time. The concrete was placed as foundations for the fifty ski lift towers plus the upper life drive terminals. The helicopter, of course, cut construction time, but further it did much to preserve the environment since its use eliminated the need for bulldozing roadways to each tower site providing access for ready mix trucks. Such access roads often develop into water courses creating serious spring erosion problems.

In a parking area down the mountain —L. G. Everist, Inc., a ready mix company at nearby Silverthorne, assembled four seven-yard mixer trucks to keep up with the helicopter.

A standard six sack concrete mix was used with a 3-½" slump. The concrete was transported up the mountain on a one-yard bucket suspended from the 'copter on a 50 foot steel cable. Construction plans called for placing 100 yards per day or better . . . but often the seven yard mixer truck was emptied in 12 to 15 minutes . . . the Sikorski making seven round trips. It is interesting to note that at sea level a twin turbo helicopter can lift a pay load of 9,000 pounds—at Keystone, where the altitude ranges from 9,300 to 11,641 feet—this pay load is reduced by fifty per cent.

Two buckets were used. Workers on the ground hooked the cable on one bucket filled with 4,000 pounds of concrete. The helicopter lifted it gently, but quickly, and flew it up the mountain. Frequently, the chopper would barely pause over the forms as four concrete workers grabbed the bucket, held it briefly over the forms and jerked the rope which dumped the concrete. Then, it was down the mountain just above the tree tops to the parking area where crewmen unhooked the empty bucket, attached the full one and the 'copter was off again. Aside from the use of the helicopter, the job was a fairly normal one . . . forms were filled, concrete vibrated and finished off in the usual way. Specifications called for concrete to reach 2,500 minimum p.s.i. in 28 days.

The helicopters were also used to place the fifty completed tower assemblies one at a time. Ranging up to 36 feet in height and up to 5,200 pounds in weight, they were pre-

assembled in the Keystone parking lots with sheave trains and other equipment plus being completely painted before being flown to the proper concrete base. Each tower was secured in position with eight bolts . . . all totalled, the steel towers weighted more than 95 tons.

By eliminating the necessity of bulldozing access roads, this method of construction proved to be fast, efficient and economical. Commenting on the use of the helicopters to place the concrete, Project Engineer Robert Lesage of Heron-Poma, prime contractor for the project, said . . . "It is a complicated job to get organized and coordinate properly. But once the job is completely organized, it moves quickly and is really great. We are projecting a savings of \$25.00 per yard on the concrete in place."

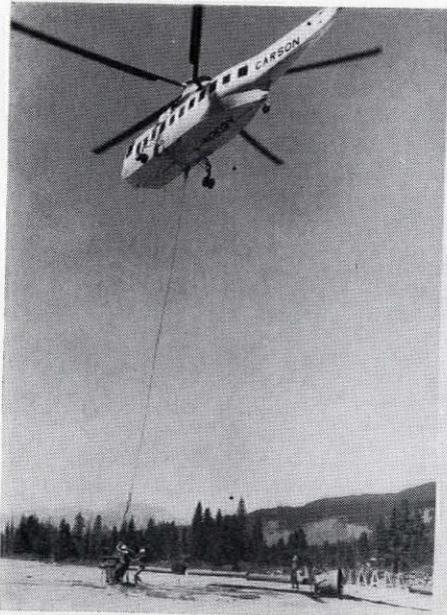
From the beginning, Keystone has worked closely with the United States Forest Service — particularly officials of Arapahoe National Forest — on environmental considerations. Clay R. Simon, Vice President and General Manager of Keystone, feels strongly that the aesthetics of the mountain with its ski trails, are more evenly balanced when lift construction can be accomplished without access roads. Trail clearing has also been done in a manner least affecting terrain soil conditions. Special crews of French-Canadian sawyers hand cleared and close cut stumps on the majority of the trails to avoid major disturbance of the underlying soil. Machine dozing was only permitted when the grade was gentle enough . . . and the entire cleared area has been seeded as added insurance for proper

ground coverage to avoid severe erosion problems during the spring run-off.

The natural contour of the terrain with its variety of rolls and pitches is the dominant feature of the new ski trails. A "feather-edge" or "scalloped" effect along the side of the trails is maintained. A new and unusual gladed area on the western edge of the existing slopes will offer a new type of skiing between the trees in unpacked (and justly famous Colorado-powder) snow. According to Mr. Simon, the expansion program will cost approximately \$1.3 million and will include landscaping at Keybase, additional parking, extension to the Keybase Balcony which overlooks the slopes and a new north entrance to Keytop. He estimates over 100,000 skiers will visit the area during the upcoming 1971-'72 ski season.

#### Some Credits:

*First of all—a word of appreciation to Ted Johnson of the Ideal Cement Company who brought this project to our attention, who provided the interesting graphics and used admirable and unusual restraint in his material. Ideal was mentioned just ONCE in his story to us. Heron-Poma of Denver served as the prime contractor and is responsible for both design and construction at Keystone. Project Engineer is Robert Lesage, Project Superintendents were Jack deRyk and Fred Richardson. L. G. Everist, Inc. provided the ready mix . . . Jerry Decker is the "super" of their Silverthorne ready mix plant. The flying was done by Carson Helicopters, Inc. of Perkasio, Pennsylvania.*



At left: note the empty bucket as workers attach the full one — The 'helicopter approaches the unloading point — Workers empty bucket into the form.

## The First —

# Joint Region 10/11 Conference

A Summary from:

Richard C. Perrell, General Chairman

October 7-10, 1971

The first Joint Region 10/Region 11 C.S.I. Conference is now history. Meeting together at the Wigwam Resort, Litchfield Park (Phoenix) Arizona, one hundred five members along with fifty of their ladies, enjoyed an informative program well balanced with technical and social activities. It was, as the Conference theme suggested, an event when the Southwest and the Far West met, and the beautiful Arizona weather cooperated to make warm, sunny days and pleasantly cool evenings — a perfect setting for a perfect meeting.

A very relaxed and casual poolside Cocktail party and Buffet initiated the festivities on Thursday evening, and there were about one hundred thirty present to enjoy the first of the superb meals offered by the Wigwam. The balance of the evening found Phoenix Chapter members playing host in their Hospitality Suite until the "wee small" with everyone renewing old friendships and making new ones.

Officially the program began on Friday morning with greetings from Scott Campbell, Phoenix Chapter President. The delegates were given a warm welcome and a brief introduction to the State of Arizona by the Honorable Wesley Bolin, Arizona Secretary of State.

Region 10 Director Bob Schmidt and Region 11 Director Jim Butler followed with brief remarks on the significance of this first Joint Conference, and Conference Chairman Dick Perrell added a word of welcome and "instructions" on the remainder of the activities.

A most effective slide presentation by C.S.I. Executive Director Joe Gascoigne on the new Institute offices and personnel answered many questions which had been posed by the membership. Phil Todisco, FCSI, Institute Vice President, followed with his remarks relating to the progress of the Institute during this past year. He also outlined future programs with particular emphasis upon

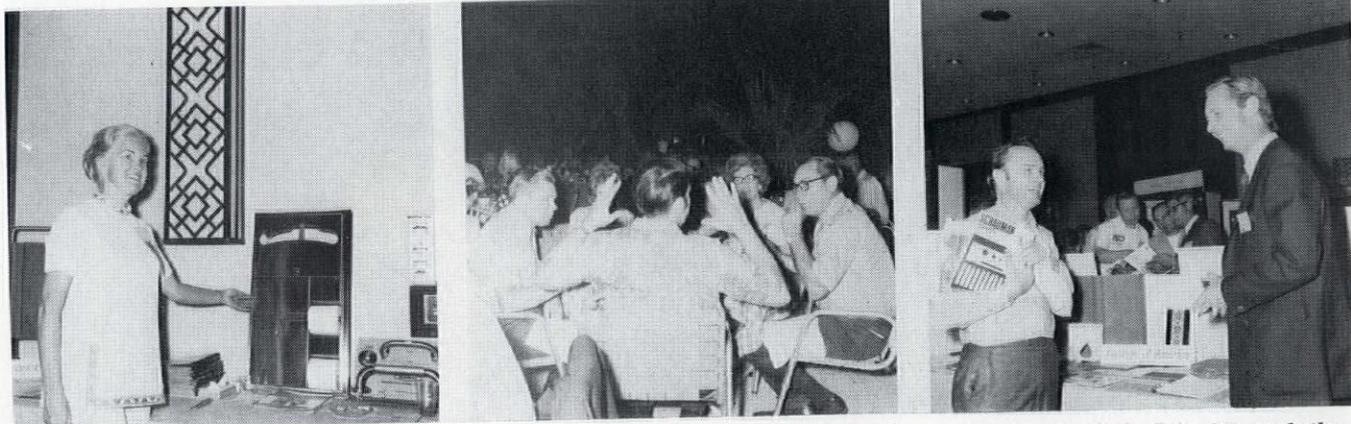
the program for the 1972 C.S.I. National Convention to be hosted by Minneapolis-St. Paul. The morning program was concluded with the official reports from the Regional Directors and the Southwest Section Director Tom Keeton. These reports were largely statistical dealing with the affairs of the two regions and the Section.

Friday's poolside luncheon allowed everyone a good two hours of relaxation before the delegates returned to attend the separate Region 10 and Region 11 business meetings. Of primary concern to Region 10 members was the revisions to the "Operating Guide." These were necessary due to the acquisition of the Phoenix, Tucson and El Paso Chapters by the Region. Through committee activity most of the work had been accomplished prior to the Conference, and the assembled clan approved the revisions as suggested by the Committee.

Another item on the agenda was the nomination of candidates to replace Region 10 Director, Bob Schmidt, on July 1, 1972. The delegates gave their approval to Jim Noone of Denver and Dick Perrell of Phoenix. Ballots will be mailed in early December to vote for one of these candidates for the office. Both Noone and Perrell made brief remarks indicating their willingness to accept this position if elected.

Implementation of an Awards Program for Region 10 was discussed with final action being the appointment of one member from each Region 10 Chapter to a committee which will be charged with the responsibility of organizing a Region 10 Awards Program. The committee will be chaired by Jack Banning of the Denver Chapter.

Friday Evening's Fun began with a hosted Cocktail party in the Product Display area where the Industry members present had an opportunity to discuss their products with the Professional members. The poolside Steak Fry was a real feast — delicious steak and cooked to perfection just the way each diner preferred his done. Another excellent



Left to right: Pretty saleslady Agnes Labelle; Doug Day describes the one that got away to Bob Schmidt and the Pettys; Happy display viewers.

meal. Rotating between Phoenix — Denver and Los Angeles hospitality suites occupied the better part of the late night festivities after dinner.

Saturday morning, a most rewarding Joint Region 10/Region 11 business meeting was conducted by the Region Directors. An extremely informative exchange of ideas between the members covered a vast range of subjects. During this period the individual Chapter presidents presented brief summaries of their Chapter's activities during the past year. An interesting point was that whether large or small — all chapters shared common problems, i.e.: arranging programs, increasing membership, participation in Institute Technical activities — to name but a few. Generally speaking, the majority of Chapters showed a slight decline in membership from last year with many varied comments being made as to the reasons.

Highlight of the Conference was the Saturday afternoon workshop sessions on "Technical," "Program and Membership," "Publications" and "Chapter Officers." Each member selected his own particular area of interest and participated in that discussion group. These sessions were indeed enlightening to all the members at hand. Each person was given an opportunity to exchange ideas and express their problems to the other participants. Certainly an important feature was to have all Chapters hear of successful programs or projects which other Chapters have developed. Through such an exchange all Chapters may benefit.

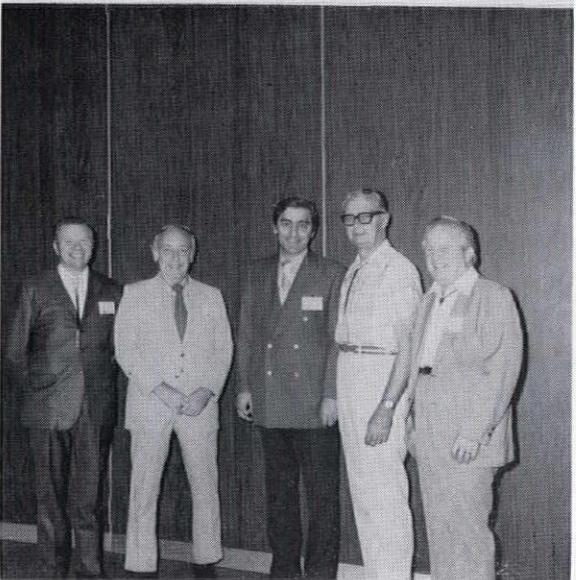
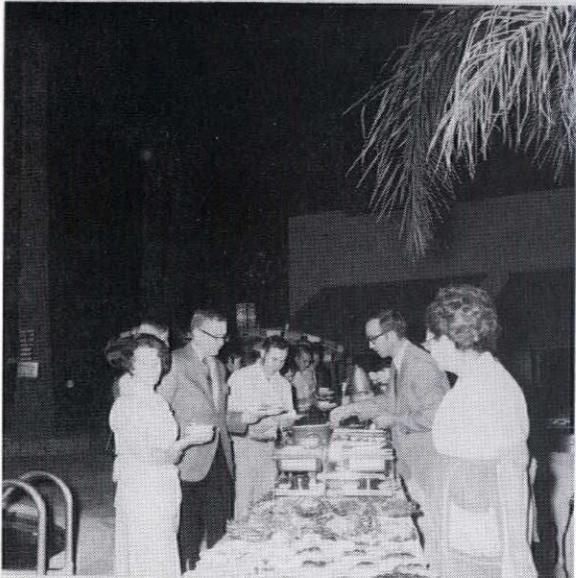
This concluded the official Conference program — but there was more to come. Winding up Saturday night was another hosted Cocktail party followed by a banquet dinner in the lovely Terrace Dining Room. An excellent dinner was served in keeping with the tradition of the fine food enjoyed throughout the entire conference. Master of Ceremonies, George Petty, handled the introductions of the dignitaries present and there was a most generous ovation from the assembled guests for the Phoenix Chapter for their Conference planning and hospitality. Past Regional Director of Region 11, John Kuremsky, FCSI, presented the Region 11 Awards to conclude the evening. The beautiful floral display at the head table on Saturday was through the courtesy of the three members of the Honolulu Chapter in attendance. They brought the flowers with them! A very nice touch!

The only planned activity on Sunday was the famous CSI Golf Tourney where fourteen brave souls toured the 18 holes of golf struggling through those typical golf hazards . . . (beer cans) to vie for eight trophies presented by the Phoenix Chapter.

So — another CSI "First" has entered the record books. All attending agreed that through sessions such as this we can all benefit through an exchange of ideas.

*The Box Score, incidentally, on the attendance is as follows: 57 Professional and 48 Industry members were registered. There were 50 women for a total of 155 at the Wigwam. Region 10 accounted for 52 of the registrations with only El Paso unrepresented. Region 11 registered 43 with only Fresno and the East Bay/Oakland Chapter missing — and ten of those on hand were unaffiliated.*

*Laurels are certainly to be extended to Dick Perrell, to Scott Campbell and to the Phoenix Chapter. They did a whale of a job!*



*Demonstration of three important Conference activities—  
Drinking — Dining — Smiling!*

**a symposia series**

**Introducing: architecture engineering/construction leaders**

**TAKE ME TO YOUR LEADER**

**ARIZONA**



**Herbert W. Schneider, President  
Central Arizona Chapter/A.I.A.**

Executive Secretary Mary Chapman Smith, asked . . . "Is it too late to feature one more leader this year?" Our answer is right here! Mary, incidentally, prepared the delightful "life and times."

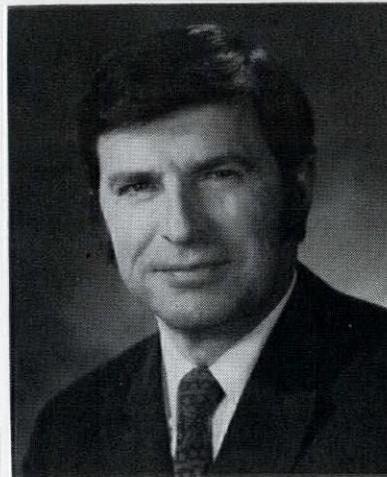
Herbert W. Schneider, AIA, Exalted Leader of the Central Arizona Chapter, is charged with responsibilities of business administration and construction supervision with his firm. No wonder, then, that his talent for administration has led him to discover a new system for organizing and encouraging accomplishment among his committee chairmen and members.

Herb was born in Illinois and obtained his Bachelor of Architecture degree at the University of Illinois, but he's been a loyal Arizonian since 1957. Dedication to the high ideals of the professional architect quickly led him to membership in the AIA and from there it was just a short stride to committee chairmanships and offices in the local chapter. In 1968 he became a member of CAC's Board of Directors. He has also served one year as Secretary and one as President-Elect. Concurrently, he served on the Arizona Society of Architects' Executive Council and will be its 1972 Vice President.

Herb and his wife, Sonja, are parents of three: Susan, 15; Mark, 12; and Karen, 10. Most of his outside activities are family-centered, like Cub Scouts and "Y" Indian Guides. But his most favorite hobby is politics, all the way from precinct level to successfully managing the campaign of a state senator. In his spare time, he attends an evening class where he studies German language.

When he took office last January, Herb named a theme for AIA action through the year. He called it "Architectural Ecology," and his talent for inspiring committees has seen the Chapter make much progress toward implementing that theme. His secret? He can state it in six words: "Never give 'em a minute's peace!"

**COLORADO**



**Charles S. Sink, President  
Colorado Central Chapter/A.I.A.**

Our thanks to Barbara Light, Exec. Secretary for the Colorado Central Chapter, for the good word that Charlie Sink was installed as 1972 Fearless Leader on October 28 at a meeting held at Castle/West. The talented Mr. Sink attended the University of Pennsylvania and is a graduate of the Harvard Graduate School of Design with an M. A. Degree. In 1949, he was an associate architect with Caronell y Sanabria of Caracas, Venezuela, and since moving to the Mile High has worked with Denver architects Victor Hornbein and Tom Moore. From 1956-1960, he was the Denver associate architect with I. M. Pei and Partners for the Court House Square Development. He is now a principal in his own firm — Charles Sink and Associates.

Charlie is a member of the Denver Art Commission — its chairman since 1969; the Urban Environment Sub-Committee to the Denver Planning Board, and he has served as Architectural Director of Unimark International of Chicago. He is presently the project architect for Copper Mountain Development at Frisco, Colorado. Among the many design laurels received by Mr. Sink are AIA Award winning projects — the Reliable Parking Garage, One Cheesman Place, the Lionshead Centre at Vail, and the Executive Offices for Great Western United in Denver.

Charlie will be aided and abetted in 1972 by Vice President (president-elect) Larry Bourn; Second V. P. Don Roark; Secretary Bruce Bicknell and Treasurer Art Bush. Directors are: C. Neal Carpenter of Greeley, Langdon Morris and Vic Hornbein of Denver, and John Prosser of Boulder, who was elected to a new three-year term.

## IDAHO



**Donald D. Wisdom, President  
Consulting Engineers/Idaho**

Don has had quite some time to buckle on his armor for his role as the Consulting Engineers Fearless Leader in Idaho during 1972. His election took place this past summer at their annual meeting held at Couer d'Alene . . . he takes over the gavel on January 1.

Don is, of course, a registered professional engineer in the states of Idaho, Oregon and Utah, and is a Mechanical Engineering graduate of the University of Colorado at Boulder. Following the sheepskin bit he joined the Morrison-Knudsen Company in 1950 as a materials engineer on the Lookout Point Dam Project in Oregon.

Prior to the establishment of his private practice, Mr. W. was sales engineer for the Thermal Engineering Company of Boise, and in 1954 was appointed a Vice President of Reco, Inc., a refrigeration contracting firm. His private practice dates from 1956, and his firm, Engineering Incorporated, has offices in both Boise and Pocatello. It was E.I. who prepared the excellent engineering study on the new Morrison-Knudsen World Headquarters for Symposia.

Don Wisdom is a member of the American Society of Heating, Refrigeration and Air Conditioning Engineers, the Idaho Society of Professional Engineers and, of course, the Consulting Engineers of Idaho.

P.S.: A special laurel is hereby awarded Mr. Wisdom's CE/I colleague and our Symposia Board Member . . . John L. Hoffmann, for the above "vital statistics."



The metal "Two by Four"  
for the Electrical Industry...  
**UNISTRUT.**  
metal framing



**NEW and EXCLUSIVE**  
**UNISTRUT.**  
**UNI-CLIP®**  
**SUPPORTS**  
for fast conduit hanging

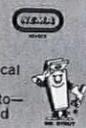
Sizes to fit 3/4" to 2" rigid conduit and 1/2" to 2" thinwall conduit.  
U.S. Patent No. 2863625

**FEATURES:**

- fast installation
- one piece
- economical
- stainless steel
- 100% adjustable
- no protruding tabs
- light weight
- easy to carry
- fits in the UNISTRUT system of metal framing



Further information available thru your local Unistrut Service Center, Authorized Stocking Distributor, or write to—Unistrut Corporation, 4118 S. Wayne Road Wayne, Michigan 48184



**UNISTRUT.**  
*Corporation*  
ATTWOOD SYSTEM  
4118 S. WAYNE ROAD  
WAYNE, MICHIGAN 48184

Ten  
Stocking Distributors  
in the  
Rocky Mountain Region



**UNISTRUT**  
**Western, Inc.**

*Service Center For The Region*

601 S. Jason Street

733-5535

Denver, Colorado 80223

# Annual Meeting New Mexico Society

*(This report is a happy blend co-authored by Bradley P. Kidder, FAIA, of Santa Fe and Joe Boehning, AIA, of Albuquerque. Our only editorial chore consisted of arranging their excellent material in more or less chronological order. It was, as always, a most worthwhile function . . . business, professional discussions and party-time were well balanced. Challenging! And fun!)*

We had a very good State Meeting on October 30 at the new Hilton Inn in Albuquerque. The business sessions were well attended (Santa Fe and New Mexico Southern were better represented percentage-wise than was Albuquerque) and certainly some of the liveliest of exchanges took place.

At the business meeting in the morning, we discussed the re-structuring of the Institute again. Max Flatow, FAIA, WMR Regional Director, reported that the re-structuring proposal presented at Detroit would not be presented again in Houston in '72. A new Task Force is to be appointed to re-study the problem.

We got a report on the NCARB examinations from John McHugh. It will be changed next year and the Institute will be kept abreast of the developments. Those attending the New Mexico Society meeting seemed to accept the idea of the new exam. The concern voiced now is—are the Schools of Architecture going to teach the subjects deleted from the new exam (i.e.: drawing, building construction, materials, etc.) so that graduate architects will be trained in these fields as the NCARB assumes they will be?

We also discussed the "Safety and Health Regulations for Construction" as recently adopted by the U. S. Department of Labor. This is a subject we should hear about from other states. We know they are going to cause rather drastic increases in the cost of construction.

The afternoon session of our meeting involved the discussion "Users of Architecture." The Panel members included Dick Barr, Administrator of the Presbyterian Hospital Center; Dick Henderson, Supervising Engineer—Buildings/Mountain Bell (and current President of the Albuquerque Chapter, C.S.I.); Bill McMillin, Director of the Building-Planning Department for the Albuquerque Public Schools; Hannes Parnegg, Partner in the Hertzmark-Parnegg Company, Realtors and Developers and Rick Sneddon, Facilities Engineer and Contracting Officer of the Sandia Area Office/Atomic Energy Commission. Architectural Moderator for the Panel was Jesse Holmes, AIA. It would be difficult to go into detail on the discussion, but it was a lively one. There was good constructive criticism and disagreement from both sides of the fence. No fights were reported but the debates got pretty hot at times, and the speakers didn't pull any punches in their remarks about architects. Later in the afternoon, Van Dorn Hooker, the University Architect, took us on a tour of the new buildings of the University of New Mexico campus and that was most educational and exciting. A delightful trip with Van Dorn conducting and with the architects for several of the buildings in the

Tour, we had everything so well explained that no questions went unanswered. Besides being informative, it was fun and everyone seemed to enjoy it to the fullest.

At the Banquet and Cocktail Hour in the evening, we had a wonderful turn-out and a grand time. There were two cocktail parties . . . an Open House hosted by George "Trus-Joist" McGill and Mac "Pella" Bryant. The pre-banquet party was hosted by Summit Brick of Pueblo, Colorado and Kinney Brick Company of Albuquerque. It is always fun to get together with other New Mexico architects—many of whom we only see once a year at these parties.

At the dinner, the Speaker was the Editor of the column "Action Line" in the Albuquerque Journal. His presentation was quite good, witty, and while he didn't get much into Architecture, most of his talk was timely. There were a number of Awards presented, and following the AIA recommended procedures, this year they were mostly given to people instead of buildings.

The list was furnished by John Conron who aptly termed them as being In-House and Out-House Awards . . .

## OUT-House

- Fine Arts: To Agnes Simms for the Mural in the Mutual Building and Loan Association Building, Santa Fe. Register, Ross and Brunet, Architects.
- Craftsmanship: To Namba Mills for excellence in all their work both in architecture and in the Fine Arts for their normal craftware.
- Literature: To J. B. Jackson for his work mostly in "Landscape Architecture."
- Photography: To Walter Goodwin for the excellence of the photographs of sights on the High Road to Taos, the proposed Scenic highway.
- Citation to an Organization: To the Cultural Properties Review Committee of New Mexico. (They've done a fine job in sorting out properties.)

## Arts Commission Awards

- New Construction—To the Architects, Taos for the Taos County Courthouse.
- Historic Preservation—To Terry Ross for the Cumbres and Toltec Railroad Restoration (Boy, did he ever devote time to this job!)

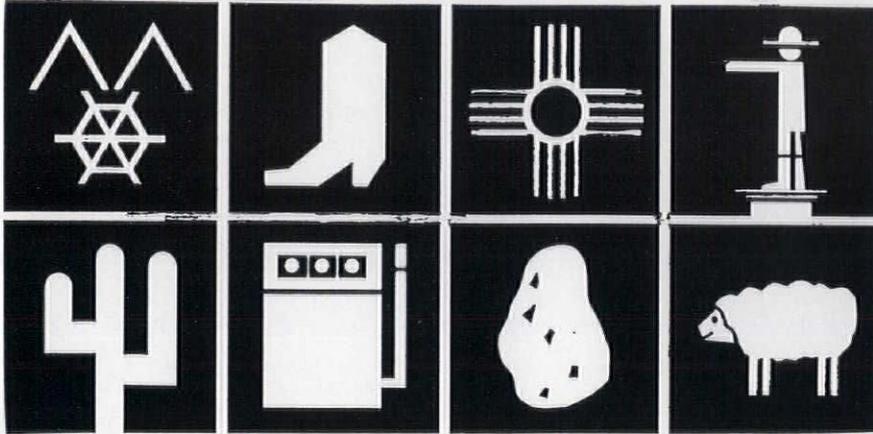
## IN-House Awards

- To John Gaw Meem, FAIA, for Historic Preservation, the Delegado House, Santa Fe. Also, a special Founder's Award for establishing the New Mexico Chapter.
- To Bradley P. Kidder, FAIA, for Service to the Chapter and the New Mexico Society of Architects.
- To John Conron, AIA/AID for Service in Literature—New Mexico Magazine Editor and everything.
- To John Heimrich, AIA, for Service to Education—Founding and Building the School of Architecture at New Mexico University.

Pat Wood, NMSA President presided at the meetings and banquet, Max Flatow, Regional Director, conducted the Seminars and gave a Luncheon Talk which outlined the work of the Institute and was most informative. Robert Campbell was the Convention Chairman and John McHugh made the Awards Presentations.

All in all it was a very successful meeting and everyone seemed to have a wonderfully good time.

# symposia/around the region



## arizona



Orrie L. Scott

### Scholarship Established

"The Orrie L. Scott Memorial Scholarship Fund" has been established at Arizona State University to assist in the education of young men interested in administrative positions in the sheet metal and air conditioning industry. Eligible for scholarship awards will be junior and senior students in the Construction Department/College of Engineering Sciences at ASU . . . interest, grades and financial need will be the criteria.

The Fund honors Orrie L. Scott who died September 25. He had served on the Board of Directors of the Sheet Metal and Air Conditioning National Association since 1967. A native of Missouri, Mr. Scott moved to Phoenix in 1947, and was the owner of his own firm for many years. Past president of the Air Conditioning Contractors of Arizona, he was chairman of the Sheet Metal and Air Conditioning Trades Industry Program, past chairman of the Sheet Metal Joint Apprenticeship Committee, a member of the Local Joint Board for Jurisdiction Disputes and

the Central Arizona Home Builders Association.

Contributions may be written to the "Orrie L. Scott Scholarship Fund" and sent to SMOACTIP, 1807 North Central, Suite 114 in Phoenix, Arizona 85004.

### Planning Ahead!

The Central Arizona Chapter/AIA and its dynamic Legislative Chairman, Tom Zimmerman is already looking forward to the new year, and a new shot at realizing the legislative aims largely frustrated in 1971. Tom's 8-point program as reported in "Arch-type" includes the introduction of a fee bill to eliminate the statutory limit now imposed upon the profession; development of a Statute of Limitations Bill in cooperation with key legislators, the Attorney General's office and Victor O. Schinnerer and Company, Inc.; Involving Chapter Committees with Mike Goodwin (standard bearer) in legislative efforts in areas of pollution, environmental planning, zoning, transportation, etc. And perhaps the most fruitful suggestion of all is Tom Zimmerman's challenge to his fellow architects to active participation in the 1972 elections and a personal effort to develop a "first name" relationship between CAC members and their legislators.

This early groundwork is certain to pay off and good fortune in the legislative wars should follow!

## colorado

### The Turtle Club?

You may want to list this in your "things I never knew til now" department. There is such an organization, but to be eligible to receive a membership certificate you have to be wearing a Safety hard hat and escape possible serious or fatal injury on a construction site because of this protection. Certificate No. 11716 was

presented to Carpenter Elmer Little in late November. Employed by the H. W. Houston Construction Company of Pueblo, Mr. Little took an eight foot fall to a concrete deck which might have dented him considerably if he hadn't been wearing his hard hat . . . so Mr. L. is a new E. W. Bullard Turtle Club member whose motto, quite appropriately, is "Shell on Head —We're Not Dead."

This must have been particularly gratifying to Mr. Houston who heads the GC firm since he is chairman of the Safety Committee of the Associated Building Contractors of Colorado (AGC), and his firm holds national safety awards including a 5 year safety certification based upon an exceptionally low accident frequency rate.

### New! H.W.H. Associates, Inc.

The consolidation of three joint firms and an up-dated corporate structure has brought about the new H.W.H., Inc., Architects, Planners and Urban Designers located at 1767 High Street in Denver. Officers are Daniel J. Havekost, AIA, President; Brooks H. Waldman, Assoc. A.I.P., Vice-President and Paul H. Halverson, Secretary-Treasurer. Associates in the new firm are Gilbert F. McNeish, Rodney A. Lane and Bruce A. Jones.

Dan is a graduate of the University of Colorado and most active in professional and community affairs presently serving Colorado's AIA as Chairman of the Commission on Environment, as a member of the Denver Board of Plan Enforcement Review and Variation and Vice President of the South Platte Area Redevelopment Council. Brooks Waldman, AIA, is also a Colorado University graduate with a Master's in Urban Design and Planning from the University of Columbia. He has served on a "New Town" Study Team for HUD and as a consultant to the C. U. Center for Urban Affairs. Mr. Halverson who will act as Secretary-Treasurer for the new firm is a graduate of the University of Illinois with two decades of architectural experience particularly in commercial and educational facilities.

H.W.H. Associates express their design philosophy in these words — "The firm's philosophy is reflected in its consistent effort to reflect historic values and regional design continuity in its architecture and planning work."

Right on, gentlemen! Bon Voyage!



Here is Bob Fehlberg's picture of Angus McIver, FAIA at the Butte meeting of the Montana Chapter. Mr. McIver holds Montana License No. 6 and retired in March of 1969 after 55 years of practice.

#### Contractors Set Seminar

A Seminar — "Managing for Profits" — sponsored by the Construction Advancement Program of the Associated Building Contractors is scheduled for December 10-11 at the Regency Rode-way Inn, 38th and Valley Highway. Presented by the Fails Management Institute, Dr. Fails and his staff will discuss new management techniques and methods with Colorado construction management.

In Chicago recently, Dr. Fails challenged a large group of contractors . . . "A significant portion of construction management has failed to accept change in management techniques" . . . and added that the industry as a whole is operating with outdated ideas prevalent two decades ago.

For further info on this worthwhile and informative seminar which has been hailed as a source of increased professionalism and increased profitability — contact ABC at 744-3624.

#### Engineers Crack Down

The Consulting Engineers Council/Colorado and the Professional Engineers of Colorado have combined forces in a campaign to make sure the state engineering law is enforced, particularly the new provision prohibiting anyone from claiming to be an engineer unless properly licensed. CEC President, David Fleming has named Fu Hua Chen to the committee and PEC Leader, David Day, has selected Robert Barber to head their Ethics Committee. Orley Phillips, Chairman of the State Board of Registration for Professional Engineers, explained the new clause

in the law in this way . . . "A person cannot claim to be an engineer unless he is one. — In case of a partnership, at least one of the partners shall be a professional engineer, and all engineering plans, designs, drawings, specifications or reports issued by or for the partnership shall bear the seal of the professional engineer partner or a Colorado professional engineer in responsible charge."

The new joint Engineering committee will work with Colonel Henry Ochs, executive secretary of the State board, and the Attorney General has been named to act as legal advisor.

#### The Scene — with A.S.A.

Colorado's Architectural Secretaries honored their Bosses recently at their Annual Cocktail and Dinner Party. This year, it was held at the new Denver Art Museum, and absolutely delightful. To be sure there were a few tired "tootsies," but the tour was just a "teaser" — nobody was through looking when they sounded "taps."

A few alterations have been made in the ASA's Executive Board due to the resignation of Joan Powell. Mary Ann Hahn will complete Joan's term with Margaret Sanchez taking over as Vice President and Program Chairman. Marianne Damari is Secretary,

Beth Phillips is Treasurer, and the Directors are Jo Haller, Sue Frison and Doris David. The gals incidentally, are still in the "What's in a Name" department for their newsletter. (Roget's Thesaurus might help.) Apparently "Emeneuses" got the old "heave-ho."

#### montana

##### Annual Meeting/A.I.A.

It was an extra special for the Montana Chapter in 1971 — as architects from JPB Country gathered to celebrate their Golden Anniversary. Comments Bob Fehlberg: "By some standards, the Montana Chapter of AIA is in its infancy but it is amazing that the handful of architects who were in Montana in 1921 felt the need to organize. Of those 1921 Chapter members, only Angus McIver, FAIA, of Great Falls was on hand at the Chapter's 50th Anniversary. "Mac" has been active in the Chapter during all these many years, serving five terms as Chapter President and as Regional Director. The meeting and the dinner which followed were held in quarters well suited to the occasion — the mansion of one of Montana's early-day Copper Kings in Butte."

"Fehl" also reports that the usual business of the day included the election of new officers for the upcoming. They are: President: F. Wayne Gustafson, Principal in the Billings firm of Drake, Gustafson Associates; Vice President: Harry Schmautz, Principal in Brinkman and Lenon Associates of Kalispell and the new Secretary-Treasurer is Ray Amundson of the Amundson-Berr-Lund firm in Great Falls. The 1972 Board of Directors roster will include immediate Past President, William Kuhr, Davidson and Kuhr, Great Falls; James Gough, Director of the School of Architecture at Montana State University in Bozeman; Wayne Whitney, a Principal in Morrison, Maierle Associates, Helena and Vincent (Jerry) Aanes, Moyle-Aanes Associates of Butte. Obviously there are several more architects in Big Sky Country now than there were a half century ago. May we wish you all another fifty full of rich clients, understanding legislators and aesthetic success!

#### new mexico

##### Work Continues on Codes

The Code Committee of the New Mexico Society of Architects marches on! This hard working group of professionals has now compiled all of the line item differences between the Uniform Building Code and the Life Safety Code, both hold sway in New



Public  
Service  
Company  
of  
Colorado

Mexico, and they are now in the process of putting them together in a specific format. Committee member, Joe Boehning, our Symposia teammate in Albuquerque, reports that the State Society has authorized reproduction of the final document and a mailing to all AIA members in New Mexico. Writes Joe, "This will be an interesting document. We are," he continues, "going to meet with State and local officials responsible for enforcing these two codes this month (November) in order to attempt to get some answers regarding these differences." We would certainly award some laurels to this Committee for their tenacity of purpose and their determination to clarify a most confusing situation.

#### Albuquerque Chapter Elects

Albuquerque's AIA Architects have duly cast their ballots and the Future Fearless Leaders for 1972 have been named.

The new President will be Bob Campbell with Jesse Holmes taking over as Vice President; the new Secretary is Bill Waters and Joe Long is the 1972 Treasurer. Bob Campbell, Van Dorn Hooker and H. L. Barker will serve as delegates to the New Mexico Society and the Board of Directors will include immediate past president John Varsa, Dale Crawford and Bob Krueger.

Incidentally, these gentlemen will find the year ahead a mighty busy one since the 21st Western Mountain Regional Conference is scheduled for their fair city next Autumn.

#### Report from Santa Fe

Brad Kidder reports that business is good in Santa Fe with some offices very busy . . . which is always good

news! He also wrote about Santa Fe's most "spectacular fire in a decade" . . . the Loretta Academy Convent was completely gutted. The historic, hundred year old structure was in the process of demolition when the fire occurred. "It could be seen," writes Brad, "all over town — flames leaping 100 feet or more into the sky and heavy smoke billowing up from the heart of town. It happened right at noon and closed off all downtown streets, so we had one heck of a traffic jam which lasted nearly an hour. We all thought the miraculous Stairway in the Loretta Academy was doomed, but a strong wind in a favorable direction saved it. It did blacken the walls and scorch the varnish on the inside." The Loretta property has been sold to a group of investors for the construction of a hotel, but the Chapel and "Miraculous Staircase" is to be preserved.

#### oregon

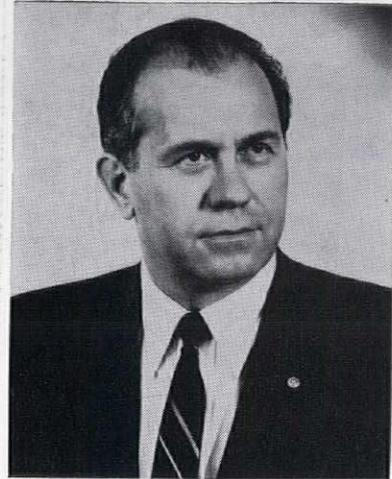
##### Joint AIA/AGC Discussions

Meetings to discuss problems of mutual concern have been held recently in Portland by delegates from the Oregon Council/AIA and AGC representatives. A good bit of the conversation revolved around new legislative action . . . Bid Security, Securities in Lieu of Retainage and Pre-Qualification Forms. There was general agreement that the ten year period in the Statute of Limitations was too long. The AIA is working on legislation for the upcoming 1972 session, and the AGC is assembling information on Statutes of Limitations in other states. There is a possible joint bill for all the building industry in the mill.

Other topics discussed were Punch Lists, Subcontractors and Delays and Inconsistency in the Building Departments of both the City of Portland and Multnomah County.

#### utah

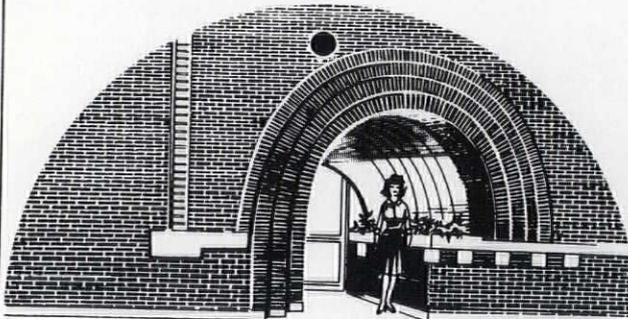
##### CEC Meets With Board



Mark Brynner, CEC/U

The November Member News Bulletin from the Consulting Engineers Council/Utah reports that an important meeting was held October 22 in Salt Lake City. Mark Brynner and Charles King, representing CEC with Carol Wagner, Executive Secretary, met with Floy McGinn of the Engineering Registration Board. The purpose was to explore the possibilities of engineers policing their own profession and the role the Registration Board would play in this type of action. It was discussed with the membership at the regular meeting held November 10 at the Ambassador Athletic Club.

Your best building material  
in ages past and centuries to come



SINCE 1908

THE COLORADO BRICK COMPANY

DENVER • BOULDER • LONGMONT

222-2809

449-1228

**The Place for Unique Ideas  
in Doors and Windows**

**Pella Products of Colorado**  
4500 Grape Street  
Denver, Colorado 80216  
(303) 388-0888

**Pella Products**  
Casement Windows  
Double Hung Windows  
Pivot Windows  
Rolscreen Windows  
Clad Windows  
Sliding Glass Doors  
Folding Doors  
**Arcadia**  
Colormodic Sliding  
Doors and Windows

# A report of the Commission on Open Space Schools American Association of School Administrators

## open space schools

Single Copy: \$5.00—10% discount for 2-9 copies—20% discount for 10 or more.

A handsomely illustrated, 112 page book which should prove a powerful tool in the hands of School Administrators wishing to acquaint members of School Boards and the public with the concepts and philosophies inherent in planning open and flexible learning spaces. The book will further be of considerable value to planners and architects who may wish to review the development of open space. The members of the Commission drew upon their own experiences to provide certain over-all guidelines, and in the words of Forrest E. Conner, Secretary Emeritus, in his Foreword . . . "give a sort of report on the state of the art."

There is much to commend this publication especially to readers in Symposia's part of the world since many of the contributors and the school facilities featured are "home town." We would mention particularly Commission member, F. Lamar Kelsey, FAIA, for his fine sketches, and his significant contribution to the over-all report. Mr. K. is a principal in the firm of F. Lamar Kelsey and Associates of Colorado Springs, Colorado, a member of the Symposia Editorial Advisory Board, and has authored a number of features in our publication including . . . "Whatever Happened to the Little Red Schoolhouse?" (September, 1967), "A New Approach to Town and Gown" (January, 1969) and many other articles. Most of the sketches and photographs treating furnishings in the "new look" for school facilities was based on material from Victor D. Langhart, AIA, of Rogers, Nagel and Langhart of Denver and appeared in March, 1971, as "BoXeS and Things" and from William C. Haldeman, AIA, of Denver.

Also featured in the new publication — "Open Space Schools" are the following:

Nautilus Elementary School and Brigadoon Elementary School—Federal Way, Washington; Murray A. Taylor, superintendent; Robert Billsbrough Price and Associates, architects.

Evergreen Junior High School—Jefferson County, Colorado: Alton W. Cowan, superintendent; Lamar Kelsey and Associates, architects.

Eastridge Elementary School—Cherry Creek, Colorado; Edward C. Pino, superintendent; Ralph D. Peterson & Associates, architects for the original school—William C. Haldeman, architect for the renovation.

### The Commission

Charles William Brubaker, FAIA  
Robert L. Chisholm, AASA  
F. Lamar Kelsey, FAIA  
Beatrix Sebastian, AASA  
Murray A. Taylor, AASA

Daffodil Valley Elementary School—Sumner, Washington; Jesse M. Hartman, superintendent; Donald F. Burr and Associates, architects.

Leo J. Muir Elementary School—Bountiful, Utah; Bernell Wrigley, superintendent; Harold K. Beecher and Associates, architects.

Westside Elementary School—Powell, Wyoming; J. Neal Large, superintendent; C T A, architects.

Timberline High School—Lacey, Washington; John W. Gott, superintendent; Donald F. Burr and Associates, architects.

Bear Creek Elementary School—Boulder, Colorado; Bernard D. Ryan, superintendent; Maxwell L. Saul and Associates, architects.

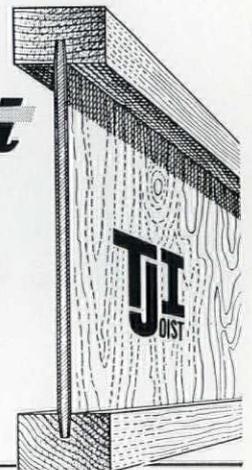
Lake Dolloff Elementary School—Federal Way, Washington; Murray A. Taylor, superintendent; Seifert, Forbes and Berry, architects.

And, that, we feel is a rather impressive line-up from Symposia's region. Copies of "open space schools" may be obtained by writing the American Association of School Administrators—1201 16th Street, Northwest—Washington, D.C. 20036.

**trus Joist**

**I Series**

**The new floor  
and roof joist  
that obsoletes  
the 2 x 12**



**glos**

general building service and supply, inc.  
1736 boulder street, denver, colo. 80211  
phone (303) 433-8995

# MAIN STREET

Where you meet your friends in the Construction Industry



## In V.I.P. Role

Denver's Galen E. Seal, Jr. (Seal Furniture, Inc.) joined nationally and internationally known leaders in addressing the Tenth Annual Illinois Council AIA Regional Conference held in Chicago at the Playboy Towers Hotel October 13 to 16 with the theme, "A Broader Base."

Galen moderated one session on the subject of "The Dealer/Service Organization" and participated in a panel discussion on "The Architect's Alternatives In Interior Design." Other panelists were Robert J. Young, AIA, of Skidmore, Owings & Merrill; Lawrence Lerner of New York and Raymond L. Gaio, AIA, of Gaio Associates, Ltd. of Washington, D. C.

Other speakers and panelists included Archibold C. Rogers, FAIA, Vice President Elect, AIA; Del E. Webb of Phoenix; Ulrich Franzen, FAIA, Ulrich Franzen & Associates of New York; William Zeckendorf of New York and George L. White, FAIA, Architect of the Capitol, Washington, D. C.

Galen and brother, Jon, operate Seal Furniture, 80 South Santa Fe, Denver.

## Westward Ho!

Bill Baker, President of Monarch Tile Manufacturing, Inc., has appointed Bob Warath as Monarch representative for California and Hawaii where he will contact present and future Monarch distributors, architects, interior designers and ceramic tile con-

tractors. Bob is a 22 year veteran in the field with experience ranging all the way from journeyman ceramic tile mechanic up to the sales and distribution field.

He has also been active in construction industry organizations, a hard working member of the Construction Specifications Institute and he is a Former Fearless Leader of the Intermountain (Salt Lake City) Chapter of Producers' Council.

Warath, his wife, and their three daughters will establish a new home in sunny San Diego.

## Elected!

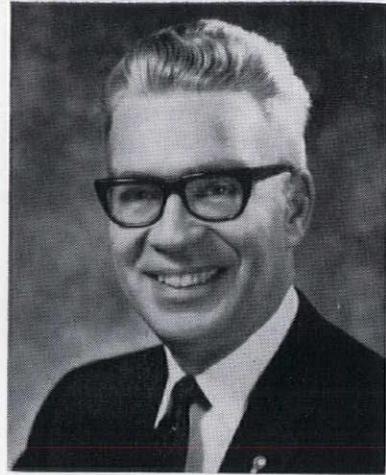
On October 2, William H. Norlin, President, Criterion Woodwork, Inc., Denver was elected and installed as a member of the Board of Directors of the Architectural Woodwork Institute as the Association concluded their Annual Convention at the Shamrock Hilton in Houston.

The Institute, incidentally, is an international organization of quality woodwork manufacturers, primarily concerned with upholding industry standards and in promoting the use of architectural woodwork to architects and others.

A native of Kansas, where he received his formal education and college training, Mr. Norlin's career spans some 25 years in the construction business. He is a past president of the Colorado Chapter AWI, and has additionally served the industry as a member of the Joint Apprentice Committee and was a Judge for the 1970 International Millman — Cabinet Makers Contest.

## New SCPI Sparkplug!

There are a lot of folks on Main Street who will be happy to know that "Hank" Bollman has come home! Yep, on December 1, he took over Don Wakefield's old job at Structural Clay Products Institute. Born in Iowa, Henry Bollman had a brilliant academic career at Iowa State, where he graduated with a BS in Architectural Engineering. Besides earning his college expenses, he was president of his fraternity (Delta Sigma Phi), of the Intergovernmental Council, Scabbard and



Smilin' new SCPI Sparkplug—  
Henry Bollman

Blade (Military), Iowa State Players (dramatics), and Cardinal Key (Senior Men's Honorary).

He worked as Architectural draftsman and later as a Sales Engineer for the Trane Company before his service in the United States Army in the Field Artillery and the Engineers. He is a retired Colonel in the Corps of Engineers.

"Hank" joined SCPI as a field engineer in Ames, Iowa, in July of 1948, and came to Denver as Region 12 Director for them in June of 1950. Then — three years later, he became Executive Director in their National Office in Washington, D. C. But Baghdad on the Potomac was not for Henry or the rest of the Bollmans, and before the year was out, they were back in Denver and Henry was the Sales Manager-Engineer for Brick, Inc. Since leaving Brick Inc., he has held a couple of other Sales Manager, Office Engineer jobs and before joining (or we should say re-joining) SCPI, he was Assistant Manager of Development for Realty Systems, Inc.

The Bollmans are the parents of five . . . ages 8 to 29 — and Henry is so active in so many organizations, its literally impossible to list them all . . . but to name a few, he is a past President and Lieutenant Governor of Kiwanis, a Past President of Producer's Council (Denver Chapter) was the first President of the M.H.H.S. Chapter of the American Field Service (foreign student exchange) and is President of the Adams County School District #12 Board of Education. Among his hobbies, he lists — Photography, Architecture, Hiking and Community Service . . . and the greatest of these is Service. He is some kinda fella — welcome back to the Industry, Hank!

# Specify



## RICHLAWN Quality Sod

We invite you to see our installations at

- The Air Force Academy
- University of Colorado
- University of Wyoming
- Polo Club Apartments
- D. U. Memorial Gardens

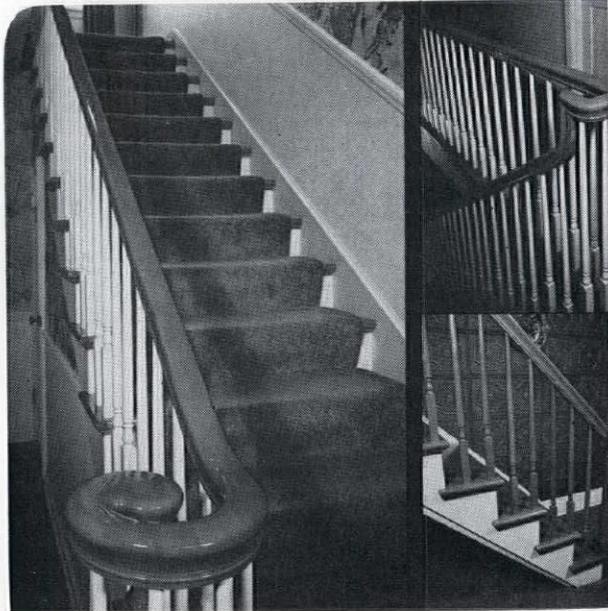
*Your choice of*  
SCOTT'S WINDSOR  
Merion or Kentucky Blue

*Full Written Guarantee*

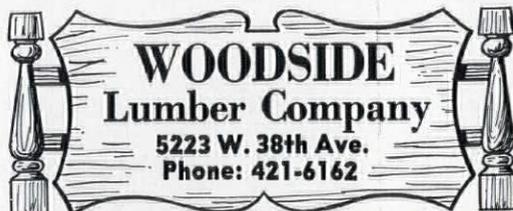
Call for a Free Estimate  
on your next project.

### Richlawn Turf Farms

Denver-Boulder 771-5611  
Colorado Springs 473-5836  
Pueblo: 473-5836 Call Collect



*With Coffman Stair Parts,  
a limitless array of stair systems can be achieved*



# the last word:

Some do—and some don't—but the Pikes Peak Chapter/CSI don't meet in December. Everybody will be all rested up for a meeting on "updating codes" to be scheduled for early 1972.

Utah architects met on October 28th at the historic Lion House in Salt Lake City for "Back to School Design". In addition to the film—"A Child Went Forth"—Dr. James Blair, Superintendent of Logan City Schools, spoke to a goodly crowd.

Washington's REAL birthday will be celebrated by CEC/Colorado at their traditional Awards Banquet at the Brown Palace in Denver. Exhibits are due -- February 1.

Just a reminder—the gala Holiday Table Top hosted by Arizona's P. C. fellers will be held at 4:30 p. m. on December 20 at the Saddleback Inn. Christmas Cheer and hors d'oeuvres, natch!

The Denver Chapter/CSI had a new meeting format in October when members toured plants and job sites showing the prestressed concrete industry in action. Planned by Jack Banning and Wally Prebis, bus transportation was provided by Prestressed Concrete of Colorado

Thomas L. Judge, executive secretary for the Montana Chapter/AIA and Montana's Lieutenant-Governor, has been named to the new State Governmental Affairs group by the Institute.

Marty Woolford, who has been Director of the Education/Manpower Training programs with the Associated Building Contractors of Colorado, has resigned to accept a position as Regional Representative for the AGC Jobs 70 Program.

A new Spec-Data Sheet on Structural Glued Laminated Timber has been issued by the American Institute of Timber Construction. For your copy, address the Institute at 333 West Hampden Avenue, Englewood, Colorado 80110.

Suite 4—5330 North 12th Street in Phoenix is the new address for J. Barry Moffitt, AIA, offering comprehensive professional services as architect, land planner and landscape architect.

Ice Jam Breaks! Looks like it is melting around the edges, fellas -- Denver has passed a \$29.5 million school bond issue.

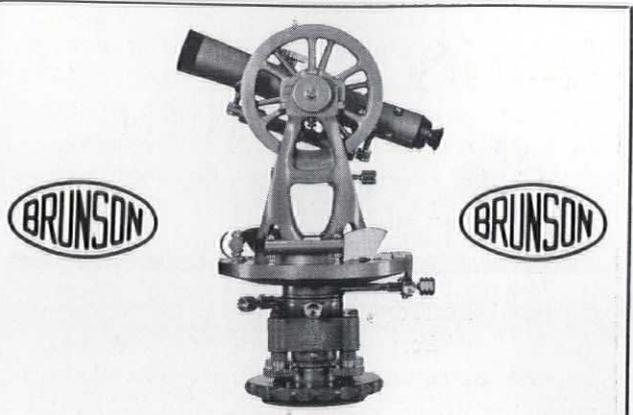
## **DOVER** Elevators

**NUMBER ONE**  
in the Rocky Mountain Area

Oilraulic, Traction Elevators,  
Escalators, Dumbwaiters

Sales      Installation      Service

1165 S. Pennsylvania      303/777-3061  
Denver, Colorado 80210



### **SALES    REPAIRS    RENTALS** **LEASING**

*Factory Equipped*

*Adjustments or Major Overhauls*

- Builders Instruments
- Transits
- Levels
- Theodolites
- Automatic Levels
- All Related Field Equipment
- Drafting Machines

### **BRUNSON INSTRUMENT CO.**

967 8th Street      303/623-4385  
(Corner Colfax at Champa)  
Denver, Colorado 80204



architect: Harry H. McMichael

## **THOROSEAL**

Manufactured by Standard Dry Wall Products  
WATERPROOF your Masonry  
CREATE an even-textured surface  
DECORATE

ALL IN ONE OPERATION



## **FRANCIS J. FISHER, Inc.**

24th & Blake Street

303/825-6203

Planning ahead! Yep, the 1972 Fall meeting for the Consulting Engineers Council will be hosted by Utah's CEC in Salt Lake City. The ladies of the Women's Auxiliary are already busy with Shirley Haslam as Chairman of Ladies Activities.

G. Ward Fenley, author of Albuquerque's "Action Line" was the speaker at the November meeting of the Albuquerque CSI Chapter. Mr. F has been busy lately!

Walter Simon who practiced architecture in Denver for about sixty years has retired... and that's a long time at the drawing board. We wish him well!

New Partnership in Town! Meet Andren and LeBar with offices at 304 Securities Building in Billings, Montana. This was formerly Andren-Associates, Architects.

Maximum man-hour productivity was the subject of a two-day superintendent-foreman seminar held November 12-13 in Denver. Joe Kellogg, president of ViroDyne Corporation, conducted the meeting sponsored by the Construction Advancement Program administered by the A.B.C. of Colorado.

One of the five Jury members for the 1972 Honor Awards of the A.I.A. is Gerald Allison, FAIA, of Honolulu. That's a GOOD word.

We'll have a raft of Annual Meetings to report come January... both the AIA and AGC clans are gathering throughout the Region for special programs and for the election of New Fearless Leaders.

On December 9, the Central Arizona Chapter will accord their Past President's special recognition. A good idea suggested by Dave Sholder.

## A Christmas Chuckle

How much is that  
doggie in the window?

If you haven't bought your puppy for Christmas, you will be interested to know that, like everything else in the U.S.A., pups are now available on the installment plan. A Beagle is advertised in our town for \$7.47—per month. You can get either a Samoyed or a Miniature Schnauzer for \$9.84 monthly, or if you do things in a big way, select a Saint Bernard for \$13.12. For how many months... they neglect to say.

We can just hear it all now...

"Of course you kids can't play with the puppy — he's not even paid for yet!"



**g.a. Talbert, inc.**

SURETY BONDS AND INSURANCE  
TWELVE HUNDRED LINCOLN STREET  
DENVER, COLORADO 80203  
AREA CODE 303 / 292-1330

## OLYMPIC Pre-Stained Wood

Quality - Economy

Reduced Labor Cost

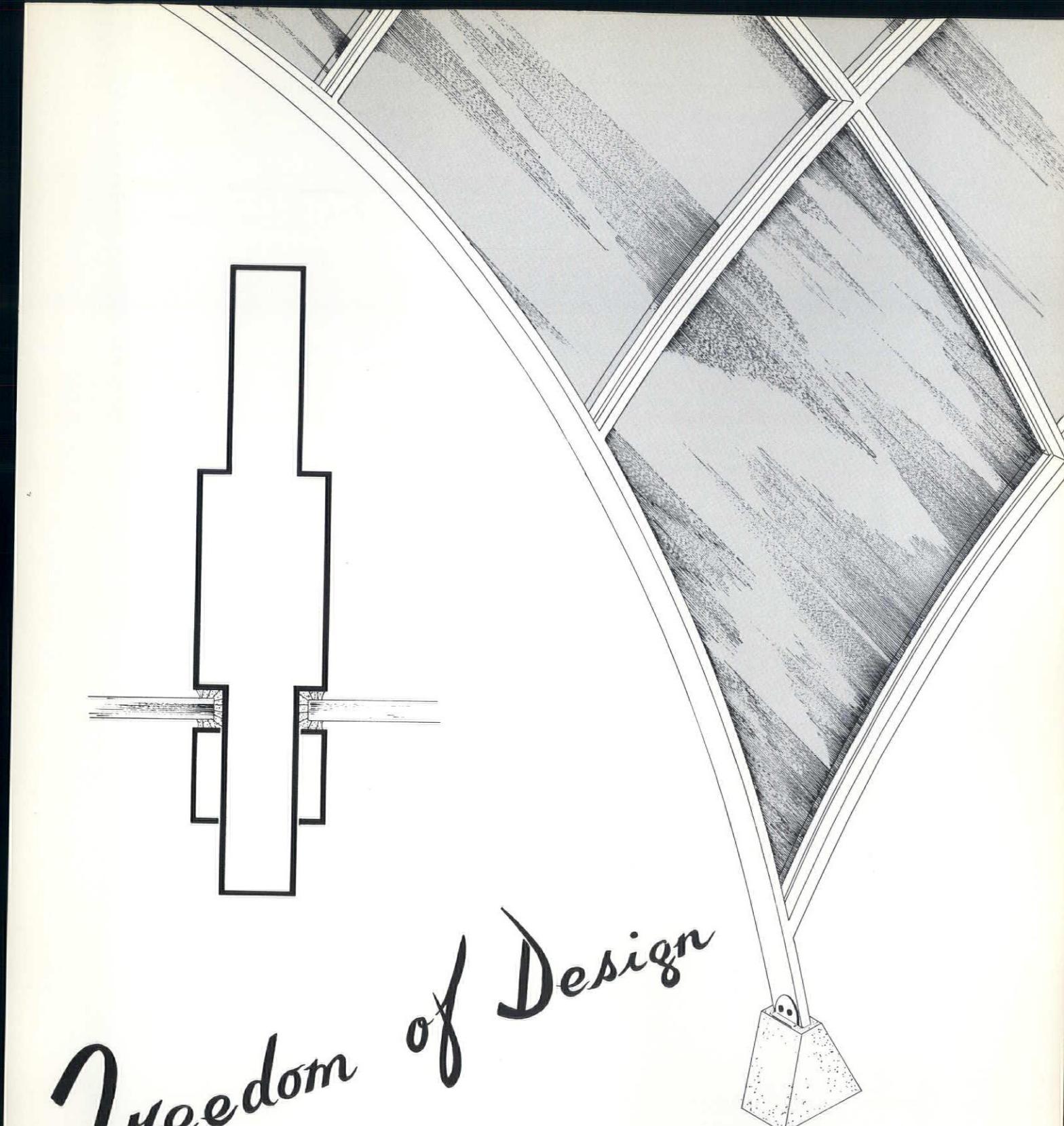
Lasting Results

IMMEDIATE DELIVERY



**Alpine  
LUMBER CO.**

4100 So. Santa Fe Dr.  
Englewood, Colo. 80110  
Phone 789-2275



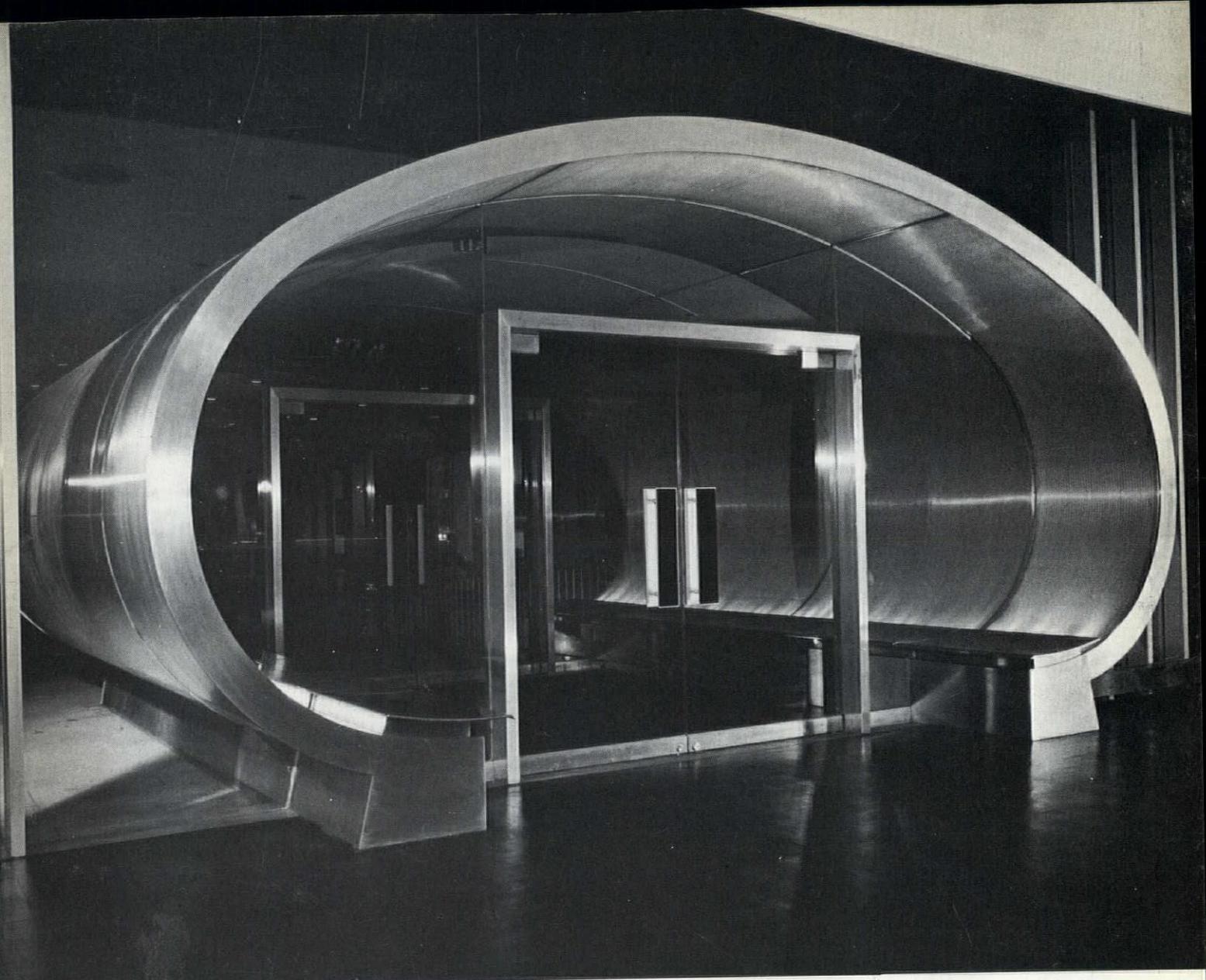
*Freedom of Design*



**W. RAY CRABB, INC.**

471 KALAMATH — DENVER, COLO.

(303) 534-5101



*Photography: Ted Trainor*

## MAIN ENTRANCE — DENVER ART MUSEUM

Architectural Metal

by

architects: James Sudler Associates  
Denver, Colorado

Gio Ponti, in Studio, P.F.R.  
Architectural Design collaborator  
Milano, Italy



*William G. Zimmerman*  
*Architectural Metals, Inc.*

*Craftsmen for the Rocky Mountain Region Since 1932*

PHONE 893-3123

201 EAST 58TH AVENUE

DENVER, COLORADO 80216