

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

/engineering/construction

symposia

october, 1973





Monolithic concrete is hard to beat

Ceco products and services include steel doors, frames and hardware as well as concrete forming services.

You get simplicity, reliability and economy with monolithic reinforced concrete systems. All materials and forming equipment are available locally everywhere. You can design with true versatility in rib slab, waffle slab or flat slab construction. And with Ceco's forming services, you get a dependable floor system fast. You can have large modules and handsome finishes for exposed ceilings by specifying Ceco's fiberglass forms. Ceco crews of formwork specialists erect and remove forms of steel, fiberglass or wood, on schedule, on a firm, lump-sum contract. For more facts, see Sweet's, consult your local Ceco office, or write:


CECO concrete
forming
services

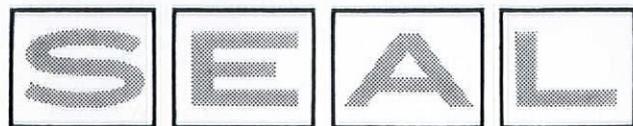
The Ceco Corporation
5650 E. Evans • Denver, Colo. 80222
1135 S. West Temple • Salt Lake City, Utah 84110
1415 Seneca Ave. S.W. • Renton (Seattle), Wash. 98055

Do Herman Miller, Knoll, All-Steel, Harter, Benedetti and Vecta, Metropolitan, Stow | Davis have showrooms in Denver?

Yes...all at 80 South Santa Fe!

Seal has extensive selections of fine furnishings by these great manufacturers... and many others... in more than 40 completely furnished offices. Over 20,000 square feet of newly decorated individual offices, work modules and showroom areas.

Now there's no need to take clients to New York, Chicago or Los Angeles to see the newest lines offered by these leading manufacturers. Just bring them to Seal! Other lines in our showrooms include CCC, Supreme, Kovacs, Collins & Aikman, Flair, Habitat, Drexel. See them all in Seal's new showrooms.



FURNITURE, INC.

80 SO. SANTA FE / DENVER / 777-3071

symposia

construction communications
in the West

OFFICIAL PUBLICATION/WESTERN MOUNTAIN REGION CONFERENCE/AIA

VOLUME 8

NUMBER 5

OCTOBER, 1973

THIS MONTH

	Page
<i>Belluschi To Head Masonry Awards Jury</i>	16
<i>UP! UP! With People</i>	18
<i>About the Cover</i> <i>Honor Award Winner in W.M.R. Program</i>	19
<i>Environmentally Speaking</i> <i>A statement for Symposia by Doris Kaplan,</i> <i>Denver Board of Water Commissioners</i>	21
<i>The Imaginative Solution</i> <i>The Oregon Capitol Forum</i>	22
<i>Concluding Coverage of the C. S. I. National</i> <i>by: Walter Bishop, CSI; Richard Perrell, FCSI</i> <i>and Lee Kilbourn, CSI</i>	24
<i>Designing for Energy Management Systems</i> <i>by John B. Rogers, AIA</i>	25
<i>The Shulman Seminar/Photography of Architecture</i>	26
<i>The Honor Awards Program/Western Mountain Region</i>	27
<i>Take Me To Your Leader</i>	31
<i>Symposia/Around the Region</i>	33
<i>Save the Capitol Front</i>	38
<i>Familiar Faces—New Firm</i>	39
<i>The Last Word</i>	40
<i>Mutual Trust</i>	42

publisher: Fletcher B. Trunk

editor: Elizabeth W. Trunk

CONTRIBUTING EDITORS

Landscape:

F. J. MacDonald, AIA/CSI
Arizona

Preservation:

Thomas Muths, AIA
Wyoming

Issued monthly by Boyce Publications, Inc.

Business offices 4070 Estes St., Wheat Ridge, Colorado 80033

Telephone Area 303—422-4153

Controlled circulation postage paid at Denver, Colorado

Copyright 1973 Boyce Publications, Inc.

EDITORIAL ADVISORY BOARD

arizona

Warren Edminster, AIA/CSI
Richard C. Perrell, FCSI/AIA

colorado

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

idaho

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

montana

Robert E. Fehlberg, FAIA
Marty W. Crennen, AIA
A. Calvin Hoiland

nevada

Robert A. Fielden, AIA
Robert Simpson, AIA

new mexico

Joe Boehning, AIA
John W. McHugh, AIA
Robert Schmidt, FASCE-FCSI
Dennis Roberts, AGC

oregon

Robert Wilmsen, FAIA
Paul Edlund, CSI/AIA

utah

Boyd Blackner, AIA
Elden V. Talbot, CSI/AIA

washington

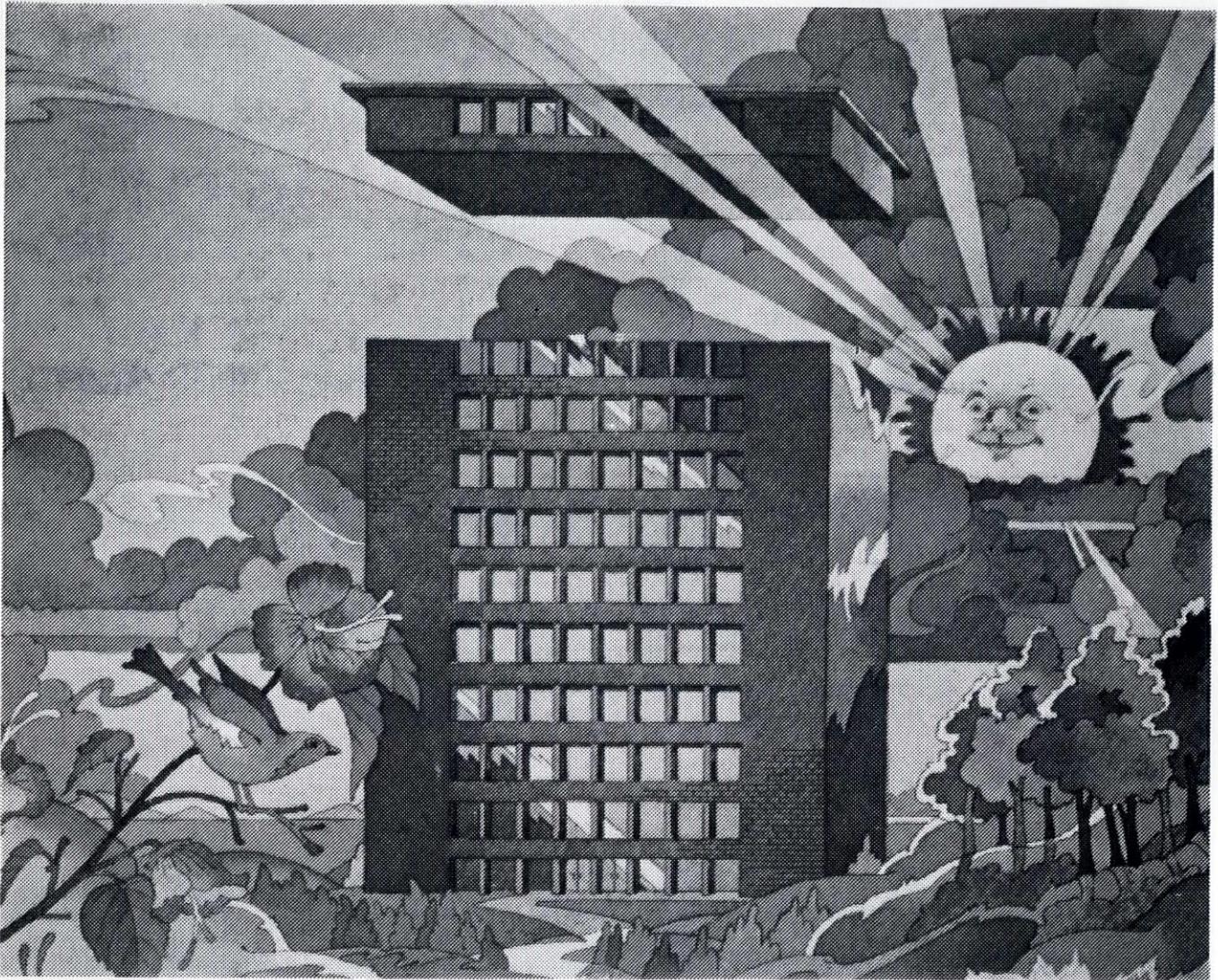
Walter F. Bishop, CSI
Fred Creager, AIA/CSI

wyoming

Gerald Deines, AIA
N. A. Nelson, AGC

architecture / engineering / construction / symposia

Build a 10 story building with loadbearing masonry and get the 11th story free.



When you build with a modern loadbearing masonry system, you can save as much as 10% on construction costs.

Because masonry lets you save on the two biggest expenses of building. Time and materials.

Instead of building separate structural systems and enclosure walls, you can have them both in one step. Masonry walls work together with roof and floor systems to create one solid structural shell. Complete with enclosure walls and inside partitions.

And you can begin finish work on each floor as soon as the masons begin erecting the floor above it. So your building is finished faster. And you can stop paying interim interest and start charging rent.

You save on maintenance costs too. Because masonry doesn't warp, dent, bend, buckle or rot. It gives superior fireproofing and sound control. And with its inherent beauty, it never needs painting.

When you add all these savings up, you can save enough money to add that eleventh story. If that sounds like an interesting prospect to you, mail this coupon. We'll send you the complete story.

COLORADO MASONRY INSTITUTE



Suite 304, 3003 East Third Ave. at Milwaukee,
Denver, Colo. 80206 (303) 321-2141

Send me information on the modern load bearing masonry building system.

Name _____

Title _____

Company _____

Address _____

City _____

State _____

Zip _____

Nature of Business _____

"I" never built a building!



From the time an owner
makes the decision to build
until he has the keys to the front door . . .
It takes a "team" to put it all together!

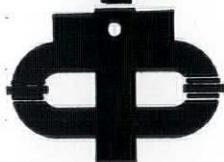
Architects — Engineers
General and Sub-Contractors
PLUS the guys who wear the hard hats
all are significant factors in
A Good Building.

In Colorado, a mighty important member of the team
is the United Association Plumber and Pipe Fitter.
He wears a Royal Purple Hard Hat.
You can count on him!

Thoroughly trained—Competent
The U. A. Craftsmen will do your job right.
So will his responsible employer.

Count on us.
We belong on the building team.
You select for your next project.

We do it right!
THE FIRST TIME!

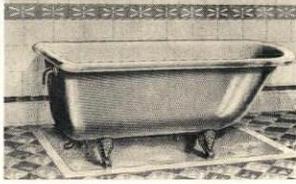


COLORADO PIPE TRADES INDUSTRY

PROGRAM

The Great Beginning

100 years of great ideas from Kohler—the Bold Craftsmen



We started very small, with a determination that Kohler would always stand for quality.

We made it stand for quality. For bold, innovative craftsmanship. For ideas that sell.

People have learned that great bathroom ideas begin with Kohler.

As the trend-setter, Kohler, in a sense, spent 100 years getting

ready for today—to help you create bath and powder rooms that sell today's more demanding, more sophisticated market.

Pictured left, our first bathtub—also used as a water trough and hog scalding. Shown below is where we've taken it—this year's 100th anniversary Birthday Bath. Another great beginning from Kohler.



Nostalgic and elegant. Kohler's newest beginning, the Birthday Bath.

Pink Champagne

Color makes a great beginning in creating a bath. Newest color from Kohler—Pink Champagne.

Introducing the first elegant pink. Pink Champagne, the festive Centennial color from Kohler.

Pictured: 6 feet of luxury in the Caribbean tub with safety grip rails and SAFEGUARD® slip-resistant bottom.

Foreground: The Man's Lav—shampoo and grooming center. Right center: Lady Vanity—lavatory, shampoo center, and baby bath. Background: Caravelle bidet and Rochelle toilet. All in luscious Pink Champagne.

For more great bath ideas, read on.





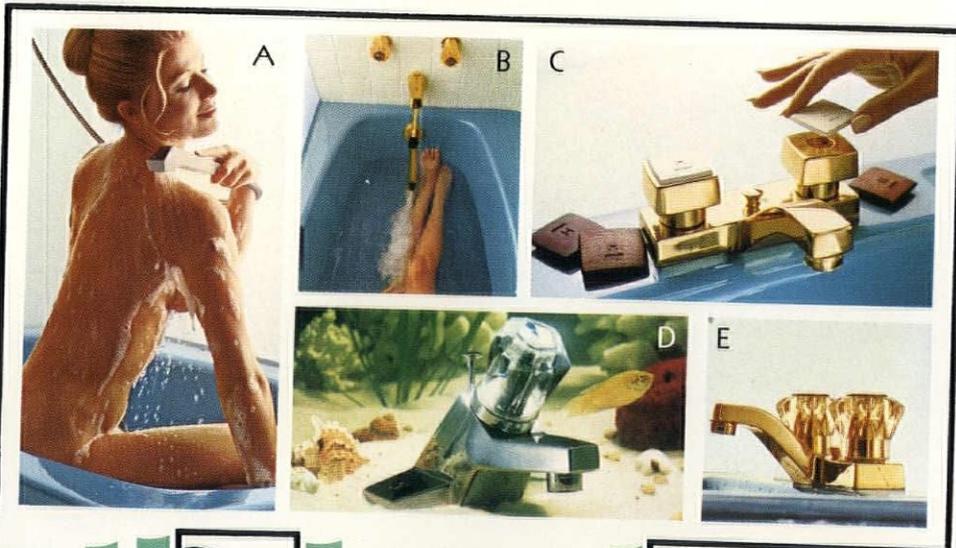
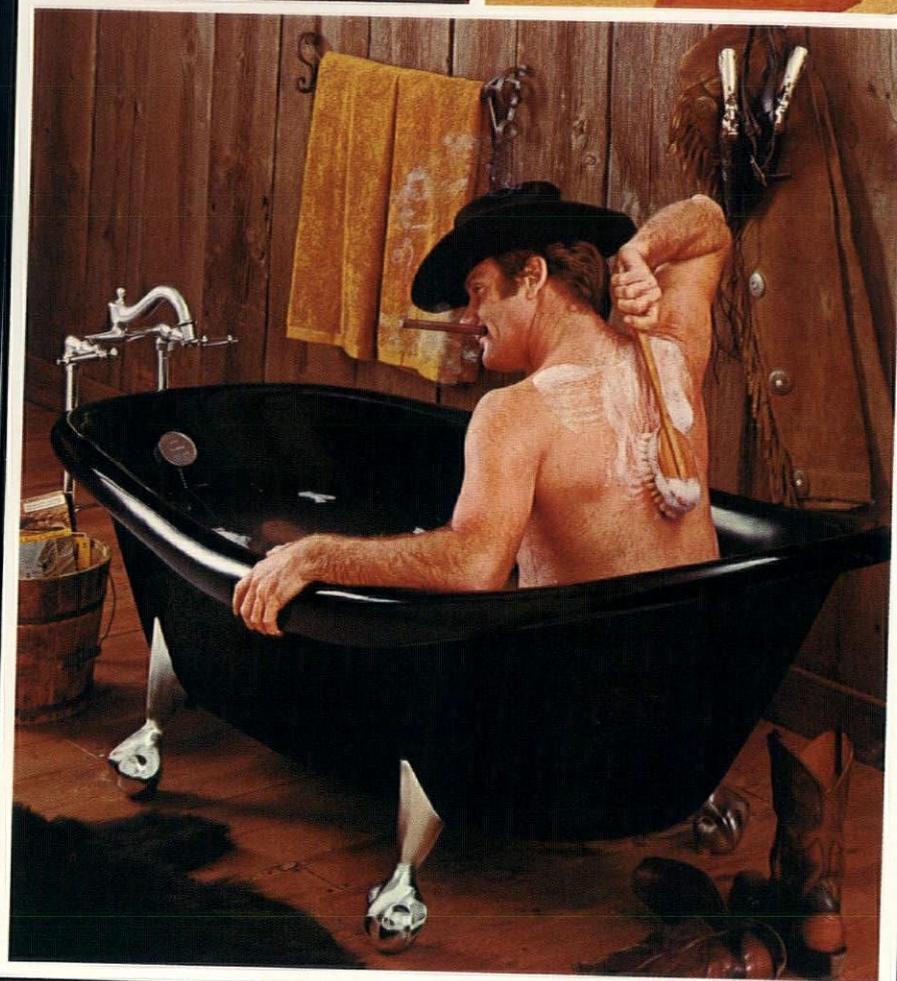
The birthday bath

**Kohler's
new Birthday Bath.
Rooted in yesteryear.
Right for years to come.**

Kohler blends past elegance with present comforts to make the Birthday Bath. The tub that is a collector's item from the time it's sold.

It's 6' x 37½". Cast iron. Lustrous enamel interior and rolled rim. In Antique Red, White, or Black Black.

Antique faucets and ball-and-claw feet come in polished or brushed gold electroplate and polished or brushed chrome.



**100 years
of great ideas
that sell.
Here, jewels
from the
Kohler
collection.**

(A) Raindrop personal shower attaches to shower arm or tub spout. White or tangerine.
(B) Low-priced Kohler Hydro-Whirl, no-motor, non-electric whirlpool bath. Unit fits most tubs.
(C) Alterna faucets with quick-change accent inserts—White, Ebony, Teak, Walnut.
(D) Centura—Kohler's new line of single-control faucets.
(E) Elegant Flair faucets, handles in Amber, Clear, Charcoal, White.

Bath Jewels

Sinks with style



THE WARNER COMPANY, INC.
3625 East 48th Avenue
Denver, Colorado 80216



**Kohler—
The Bold Craftsmen
in great kitchen
ideas, too.**

Top: Trieste (43" x 22") sink in Tiger Lily. Large twin basins and ample waste-disposal basin for all kitchen needs. With Kohler's new Centura single-control faucet.

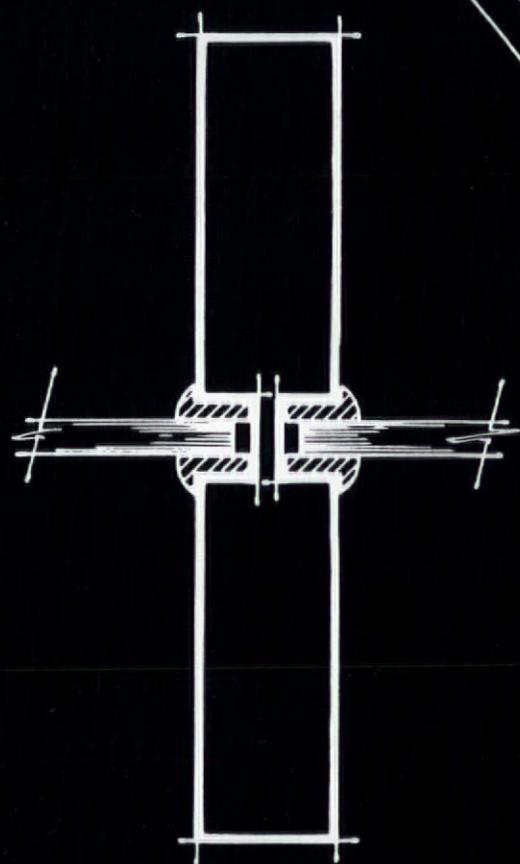
Bottom Left: Lakefield (33" x 22") in Avocado. Has large basin and waste-disposal basin, shown with Kohler's Flair faucets.

Bottom center: The Swinger spray-control device. Fits most kitchen spouts. It aerates, swivels, and rinses sinks clean.

Bottom right: The Urbanite (25" x 22") in Harvest Gold. Spacious dishwashing basin and waste-disposal compartment. Compact enough for the smallest of kitchens. With Kohler's Alterna faucets.

For more kitchen ideas, and other great sales-appeal designs, write Kohler Co., Kohler, Wis. 53044.

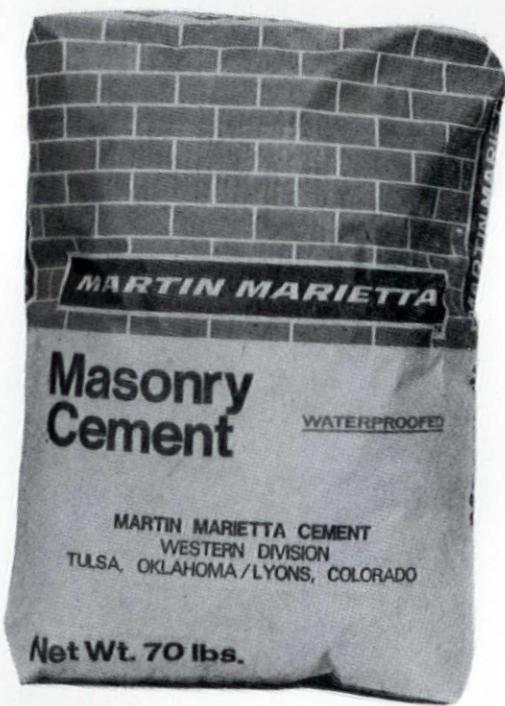
KOHLER
100
BOLD
CRAFTSMEN
SINCE 1873



**the
innovators**
in
hollow
metal
design

W. RAY CRABB INC.
471 KALAMATH — DENVER, COLO.

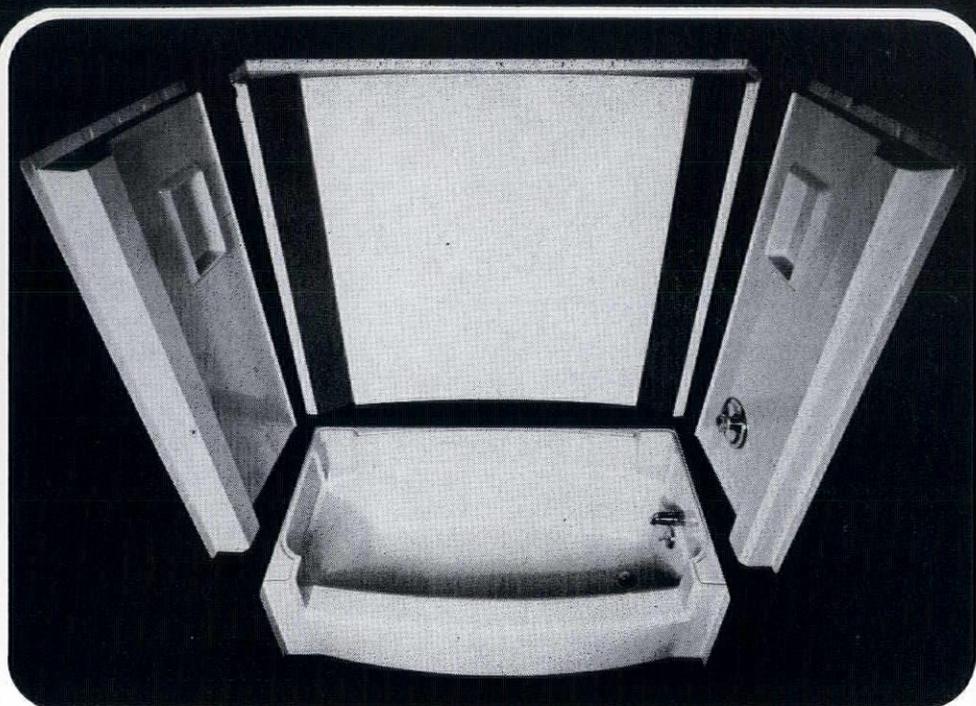
INSIDE and OUT



Now NEW and BETTER Portland and Masonry cements from Martin Marietta, both extensively laboratory and field tested for top quality. NEW PACKAGING identifies these as the latest development in Martin Marietta cements, meeting highest standards in the construction industry.

MARTIN MARIETTA

MARTIN MARIETTA CEMENT - WESTERN DIVISION
1111 SOUTH COLORADO BOULEVARD • DENVER, COLORADO • 303 / 758-1334



Check this list of Builder and Owner features:

Four-Piece Design For Flexibility

FOR THE BUILDER:

- Easy handling—the unit weighs only 140 pounds.
- Easy to install—everything goes in at once—ready for plumbing hook up.
- No tile required—no tile setting necessary, lower installation costs.
- Damage resistant—resists chipping.

The Four-Piece Design of Bath Systems 4 Makes Bathroom Remodeling Easy

FOR THE OWNER:

- Easy maintenance—no grout to clean or replace.
- Easy to clean—wipes clean with ordinary liquid detergent.
- Warm to the touch.
- Added safety—skid resistant molded bottom.
- NAHB Research Foundation label assures quality



Bath Systems 4
 Tub-Shower from Owens-Corning

FIBERGLAS BRANCH SALES OFFICES:

Albuquerque, New Mexico 87112
 9004 Menaul Blvd. N.E.
 505/294-5511

Phoenix, Arizona 85012
 4502 N. Central Ave.
 602/277-6217

Seattle, Washington 98108
 655 S. Orcas
 206/762-4250

Denver, Colorado 80222
 1780 S. Belaire St.
 303/757-6121

Portland, Oregon 97221
 1750 S.W. Skyline Blvd.
 503/292-0781

Spokane, Washington 99220
 Spokane Industrial Park, Bldg. #5
 509/924-6532

Owens-Corning is Fiberglass

OWENS/CORNING
FIBERGLAS
TRADEMARK ®

BATH SYSTEM 4, DISTRIBUTORS

ALASKA

AMFAC Supply of Alaska
400 Post Road
Anchorage, Alaska 99501
907/279-3422

2700 Cushnam Street
Fairbanks, Alaska 99701
907/452-4424

ARIZONA

Eddy Plumbing Supply Company
443 South Drew
Mesa, Arizona 85201
602/833-1203

Kiowa Boulevard & Lake Havasu Blvd.
Lake Havasu, Arizona
602/855-3098

Central Pipe & Supply Company
827 South Park
Tucson, Arizona 85719
602/792-1300

COLORADO

Central Pipe & Supply Company
3601 East 39th Avenue
Denver, Colorado 80205
303/399-6000

Pueblo Pipe & Supply Company
124 East River
Pueblo, Colorado 81001
303/545-8400

Union Manufacturing & Supply Co.
725 East Vine
Fort Collins, Colorado 80521
303/484-4015

IDAHO

Harlan's Boise Inc.
635 North Phillippi
Boise, Idaho 83707
308/375-0562

Standard Plumbing Supply
2495 Garrett Way
Pocatello, Idaho
208/233-0331

645 Milligan Road
Idaho Falls, Idaho
208/523-5500

MONTANA

Grinnel Corporation
12 3rd Street, N. W.
Great Falls, Montana 59401

13 North 23rd Street
Billings, Montana 59101

Northwest Pipe Fitters
P. O. Box 5161
Billings, Montana 59103

NEW MEXICO

Brown Pipe & Supply Company
701 South 1
Artesia, New Mexico
505/746-2711

Keenan Pipe & Supply Company
2001 Claremont Avenue NE
Albuquerque, New Mexico 87107
505/345-3584

OREGON

Peerless Pacific Company
625 North Thompson
Portland, Oregon 97227

203 Riverside Drive
Klamath Falls, Oregon 97601

1223 East 1st Street
Bend, Oregon 97701

877 West 29th
Albany, Oregon 97321

2633 Roosevelt Boulevard
Eugene, Oregon 97401

TEXAS

AMSTAN Supply Division
160 North Piedras Avenue
El Paso, Texas 79923

Keenan Pipe & Supply Company
160 North Piedras
El Paso, Texas
915/533-7431

UTAH

Standard Plumbing Supply
1760 West 1900 South
Salt Lake City, Utah
801/486-9201

2450 Wall Avenue
Ogden, Utah
801/394-7765

United Plumbing Supply
63 East Oakland Avenue
Salt Lake City, Utah 84115
801/484-6151

WASHINGTON

Keller Supply Company
3209 17th Avenue West
Seattle, Washington 98119
206/285-3300

2924 Chestnut
Everett, Washington 98201
206/259-0181

925 Houser Way North
Renton, Washington 98055
206/226-8661

Carpenter Road
Olympia, Washington 98503
206/491-0550

1212 West 4th Plain Boulevard
Vancouver, Washington 98660
206/696-4377

East 3404 Springfield
Spokane, Washington 99202
509/534-1541

United Supply Company
P. O. Box 1236
Tacoma, Washington 98401

805 East 11th Street
Vancouver, Washington 98660

1212 Baltimore
Longview, Washington 98632

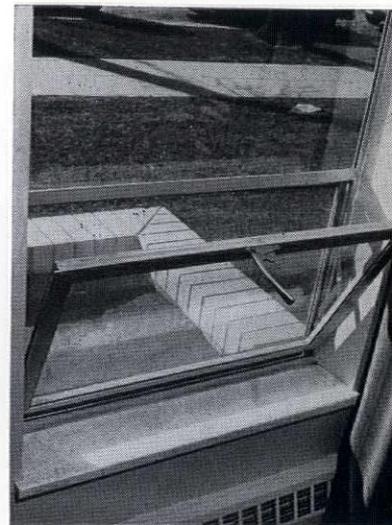
201 North 2nd Avenue
Yakama, Washington 98907

1100 Walla Walla Street
Wenatchee, Washington 98801

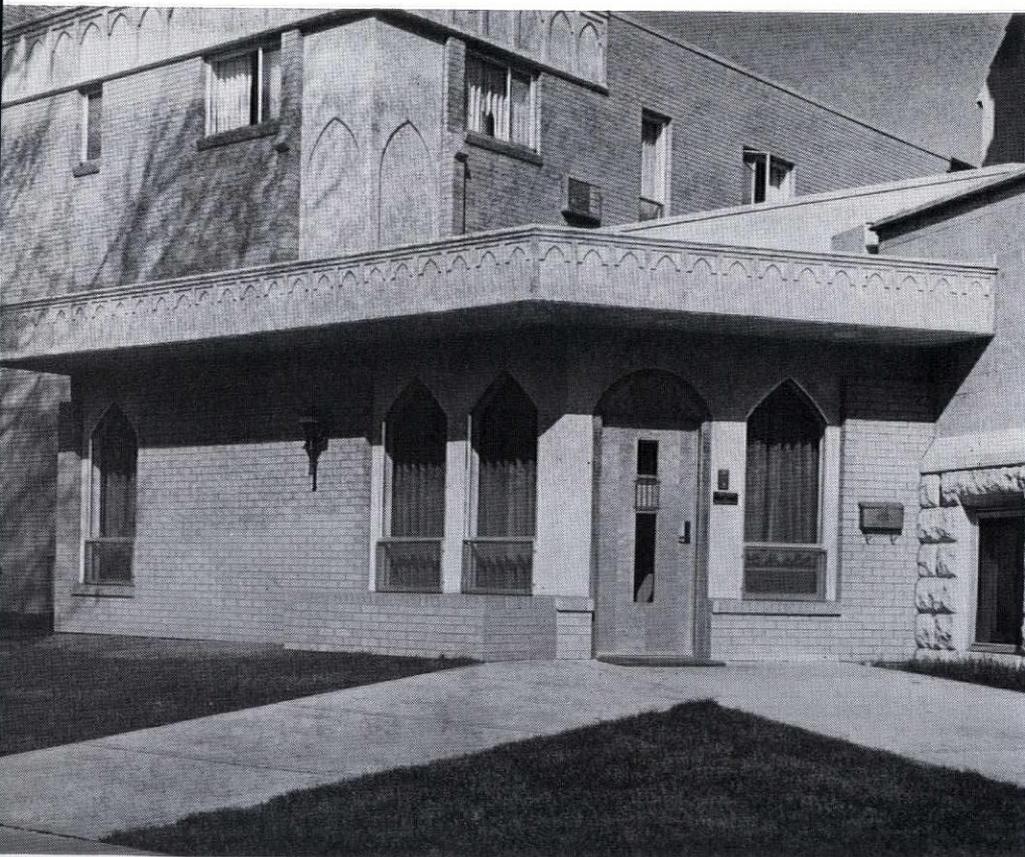
WYOMING

Central Pipe & Supply Company
1913 Elk Street
Rock Springs, Wyoming 82901
307/362-3775

COLORADO METAL PRODUCTS
YOUR ANSWER TO ADVANCED CONCEPT
IN METAL WINDOWS



**New Hopper Vent
With Friction Arms**



**Residence and Parish
Administration Center
Cathedral of the
Immaculate Conception**
(Gift by Helen Bonfils)

ARCHITECT:
R. James Noone

GENERAL CONTRACTOR:
Gruber Construction Co.

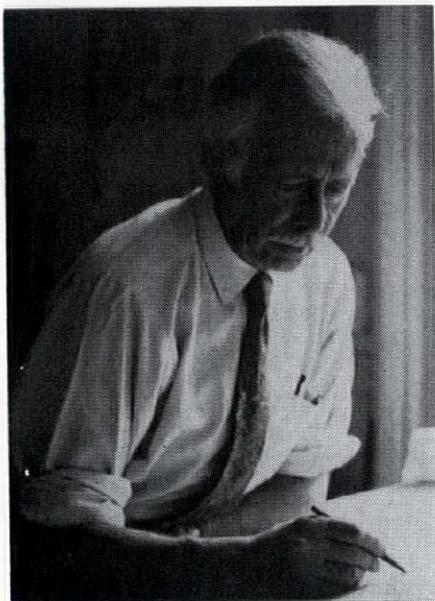
colorado metal products corp.



450 KALAMATH STREET • DENVER, COLORADO 80204
(303) 266-2451

The only Colorado owned metal window manufacturer for over 30 years.
Another Les Taylor Enterprise

Belluschi to Head Masonry Awards Jury



Pietro Belluschi, FAIA, of Portland, Oregon, has accepted chairmanship of the Jury which will judge entries in the first Masonry Awards Program, announced last month by Colorado Masonry Institute and Colorado Mason Contractors Association.

Belluschi, whose distinguished contributions to architecture span fifty years of practice, was presented the American Institute of Architects Gold Medal at the national AIA convention in 1972. He is a former Dean of the School of Architecture and Planning, Massachusetts Institute of Technology. Among his many honors are fellowship in the American Academy of Arts and Sciences; fellowship in the Danish Royal Academy of Fine Arts, designation as academician of the National Academy of Design, life membership in the National Institute of Arts and Letters, and knight commandership of the Republic of Italy. (A

fine tribute to Pietro Belluschi authored by Walter Gordon, FAIA, appeared in the April, 1972 issue of *Symposia*).

In a September 17 letter from CMI President Jack J. Bailey and CMCA President Louis Helbert, all registered architects in the state of Colorado were invited to enter the awards program. Brick or concrete buildings situated in Colorado and completed between October 1, 1967 and October 1, 1973 will be eligible for the contest, with the number of entries determining various categories of competition, such as schools, health care facilities, homes, apartments, office buildings, and structural and decorative uses of masonry.

Awards of design excellence will be presented to architects of those buildings adjudged to be superior by the jury; all finalists in the competition will be eligible for awards of merit.

Following is the schedule for the CMI-CMCA Masonry Awards Program:

- | | |
|--|-------------------|
| 1. Notice of intent to enter to be filed with CMI-CMCA | October 31, 1973 |
| 2. Preliminary submission of entries | December 14, 1973 |
| 3. Selection of finalists | February 1, 1974 |
| 4. Submission of final exhibit material | March 15, 1974 |
| 5. Announcement of winning designs (award banquet) | April 27, 1974 |

Additional information on the Masonry Awards Program may be obtained from Robert C. Sandoval, Executive Director, Colorado Masonry Institute, or Mac Terry, Executive vice-president of Colorado Mason Contractors Association.



intermountain specialty equipment co., inc.

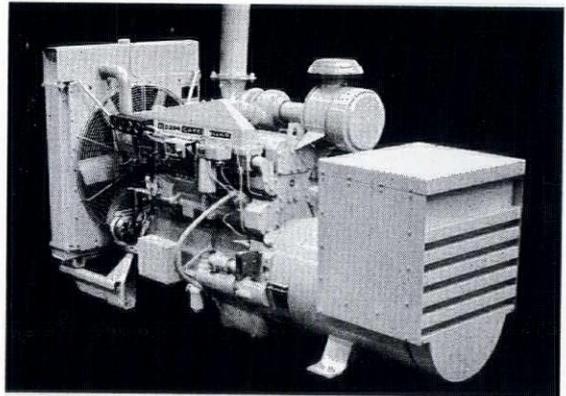
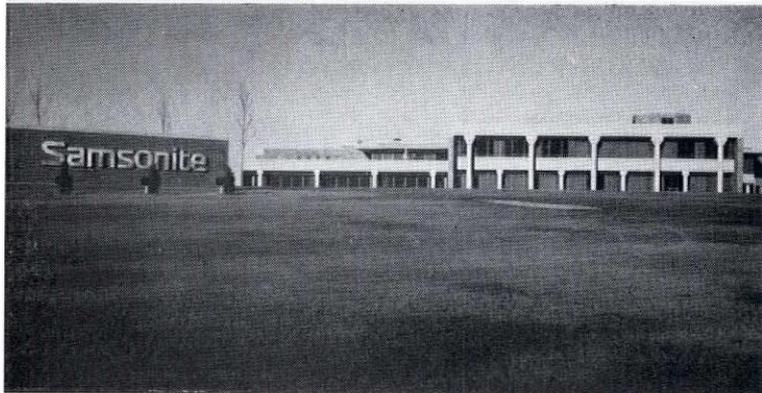
furniture, equipment and interior development systems

3901 So. Kalamath St.

Englewood, Colo. 80110

303/761-3305

We've got your client's number.
50 kw | 60 kw | 70 kw | 75 kw | 85 kw
100 kw | 125 kw | 155 kw | 165 kw
205 kw | 230 kw | 280 kw | 285 kw
310 kw | 335 kw | 340 kw | 375 kw
450 kw | 470 kw | 560 kw | 565 kw
620 kw | 675 kw | 750 kw | 900 kw



Next time you're choosing a standby power unit, consider a few facts about Caterpillar systems.

First, Caterpillar can match what your plans call for. We make 25 different diesel standby power configurations from 50 kw to 900 kw. Natural gas from 70 kw to 655 kw. Even more in multiple units.

Then consider reliability. The engine-generator is the heart of any standby power system. And Caterpillar systems are powered by engines with a worldwide reputation for dependability. Even Minuteman missile sites rely on Cat Standby Power.

Our systems are versatile, too. They're available for dual service installations that provide both economical on-site power under normal conditions and standby power to critical services in emergencies.

McCoy Company services what we sell. We'll help select, install, test and maintain whatever system fits your needs.

Why not give us a call? Our price per kw may give you a surprise. Because Caterpillar quality costs less than you think.

McCOY
 COMPANY

6000 DAHLIA • DENVER • 288-2621
 DURANGO • GRAND JUNCTION • PUEBLO

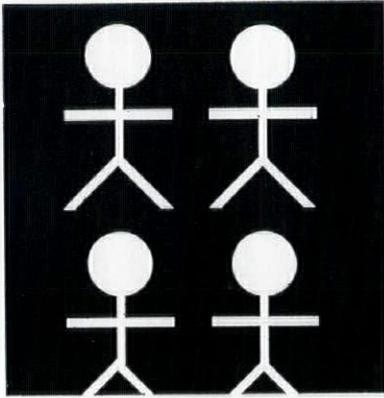


YOUR
CATERPILLAR
 DEALER

Caterpillar, Cat and  are Trademarks of Caterpillar Tractor Co.

Cat Standby Power.

Reliability comes in all sizes.



UP With People!

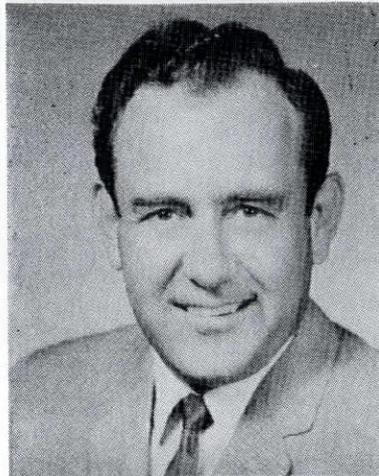
(A brief report honoring Professional and Industry members in our Symposia Region who have achieved some of the "good things in life" in the past few weeks.)



UP WITH LEE!

The delighted and lovely lady above is Lee (that's Mrs. "Mac") MacDonald of Scottsdale, Arizona. Reason for her beaming countenance is the honorary membership certificate she has just received from International Past President Paul Saito during the summer Board meeting of the American Institute of Landscape Architects held in Biloxi, Mississippi. Lee was praised in glowing terms by the Board of Directors for her outstanding work as editor and publisher of the AILA Bulletin for the past five years. Her early efforts contributed greatly to the public acceptance of the Institute and provided much-needed recognition for AILA members. Lee is only the second lady to be named an AILA Honorary member. . . the first was Mrs. John Love, wife of the former Governor of Colorado. And isn't it nice when an organization remembers to say

"thanks a lot" for service above and beyond. Congratulations to Lee MacDonald, Honorary AILA!



UP WITH KIRKSEY!

We've always known that Denver's Chapter of Producers' Council was some kinda group and have all those silver bells and bowls to prove it—but this conviction was given added emphasis most recently when Gaylord Kirksey was selected one of the ten most successful Chapter Presidents in the whole U.S. of A. Gaylord took over "in the middle of the stream" when Ken Rowland resigned and then stayed on for a full term of his own—and a most successful sojourn in the "fearless leader" department.

Gaylord with another good P.C. fella, John Kilbey are the team known as the International Sales Specialists, and represent a number of fine building products. In addition to P.C. he is a member of Home Builders, the Marble Institute of America, the Masonic Order and the Lion's Club. He is also noted for a most genial disposition and his prowess on the golf course. And he certainly slammed a "hole in one" with his term as President of P.C./Denver Chapter. Right on, Gaylord!

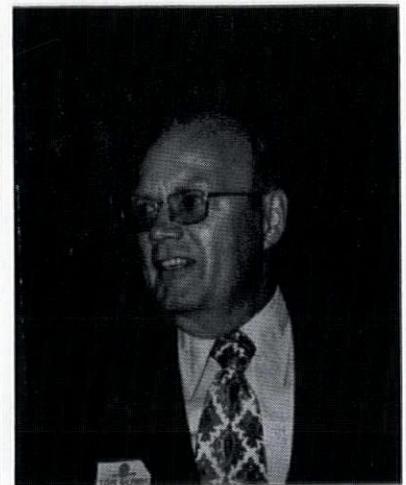
UP WITH RUMBLE!

The top national award from the International Association of Wall and Ceiling Contractors has been accorded Albuquerque's Newt Rumble for his work in promoting lath and plaster as a building material in New Mexico.

Mr. Rumble received the annual recognition of "Outstanding Industry Representative" for his work as manager of the New Mexico Lath and Plaster Promotion Bureau—an award made at the Annual Convention of the International Association held in Anaheim, California.

For some thirty years, he worked for United States Gypsum leaving their employ to become manager of the New Mexico Bureau. Since that time, he has been active in promoting lath and plaster among architects, owners, contractors and specifiers in the selection of materials for walls and ceilings. The Bureau in New Mexico is supported by contractors signed to labor agreements for plasterers and lathers in the state who pay eight cents for every man-hour worked by one of their employees.

Our congratulations to Mr. Rumble for a top national award in his important field in the construction community!



UP WITH GILMORE!

Yep, there's J. T. (that's Tom!) Gilmore receiving the Ten Year Service Award of the Associated General Contractors of America. This happy event took place at the MidSummer meeting of the AGC of Colorado/Building Chapter, the organization where Tom is Assistant Executive Director. In presenting Tom with the Award, James Brown, President of AGC/C said . . . "Although Gilmore retired from the U.S. Air Force after twenty-five years in the service, he is far from retired as far as AGC is concerned. He is known by all the members as one behind the scenes who gets things done". And we can add a couple of "you ain't just whistlin' Dixies" to that statement. Although his youthful appearance and enthusiasm seems to belie his years—Tom was a Lieutenant Colonel assigned to the Air Force Accounting and Finance Center upon his retirement! And he's had ten years with AGC after that! Congrats, Tom, on your Award, they couldn't give it to a nicer guy!

about the cover

HONOR AWARD—1973

October's cover is, of course, the "best of show" in the 1973 Honor Awards Program of the Western Mountain Region/American Institute of Architects. This beautifully integrated mountain cabin is the design of Denver architect, Arley Rinehart. Structural engineer was Ron Frickel and the Mechanical consultant was John Blank. The owner of the project was also the contractor—Mr. and Mrs. Ben Collins of Perry Park, Colorado . . . (we should hasten to explain that Mrs. Collins didn't get up on that roof with her husband) and photography is from Richard Henry of the Rinehart and Associates firm.

The statement of the Jury regarding the honor award was . . . "The mountain cabin is not pure design, sculptural or easel art. It had a program, and demanding aspects in the site had to be met. Its design may even have met client resistance—the Jury did not know; but though not complex in plan, it has functional requirements. The exigencies of the site were complex and meeting them took imagination and creativity.

"A building does not have to be significant in size, cost, complexity or purpose to be the essence of architecture; we felt that this one building has this essence. It leaned on no other building design. But we caution against other architects leaning on this design or its form. The particularity of this solution is part and parcel of its worth. Even the architect of this building must be wary lest this award send him, in search of further awards, in a direction less worthy and more imitative, less essential and more fashionable. The hazard of all awards programs is that small talents look to them for models, and slightly larger talents think to gain similar awards by imitation. Realizing this hazard, we still dare to make this award to this project because of the reminder that it is to all architects that the essence of architecture is.

"We hope this architect will not fall into his own trap, but receiving this award in the humility which we feel was the attitude that brought forth this building, continue to work in architecture with honesty, deep feeling, and sensitivity to the essential requirements of site and program, and to make clear and strong response in the architectural expression he gives to his solution."

The citation itself reads . . .

The strong geometric forms of this building, so playfully yet so logically put together, the subtle balance and counterbalance both in the structural solution and in the relationship between building and site, the simplicity of exterior surfaces, and most particularly, the architectural essentiality of the solution distinguished this small mountain cabin. In giving this small structure an Award of Honor, the Jury wishes to point out that size of project, budget, complexity of program or of solution are not the most important considerations in judging architectural worthiness. In this small project, so much of architectural truth, forgotten in the press of other influences, was stated freshly and without pretense, that the Jury felt it could serve to remind us all of the essence of our profession's mission. Simply, but with rare sensitivity to the exacting requirements of so beautiful a site and of the program requirement that the building make minimal disturbance to the site, this delightful cabin actually accentuated the beauty of the place.

NOW YOU CAN PROTECT PAINTED WALLS FROM DEFACEMENT

VANDL GUARD MAKES UGLY WRITINGS AND DRAWINGS EASY TO REMOVE. VANDL GUARD puts a CLEAR, non-yellowing protective SHIELD over painted walls.

- ★ PROTECTS INSIDE OR OUTSIDE.
- ★ EASY TO APPLY—Brush, Roller or Spray.
- ★ DRIES FAST—Two coats at 400 square feet per gallon on most surfaces does the job.
- ★ CLEAN UP—Soap and water.
- ★ GRAFFITI EASY TO REMOVE—Simply blot off with detergent or mild solvent as per directions on the label.

with

VANDL GUARD

from

COLORADO PAINT COMPANY

Manufacturers of SUPERIOR Paint Products

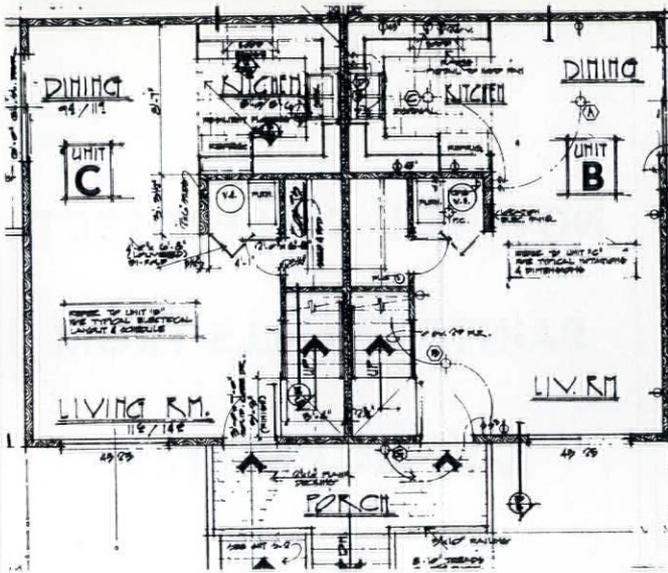
SINCE 1904

4747 HOLLY STREET



DENVER, COLORADO 80216

303-388-9265



P D I offers

Proper and Precise Execution of Your Design

Insuring your client the most for his money

Insuring Satisfaction through client follow-up after completion.

Your Design Implemented by the Best Craftsmen in the Building Trades

Custom Homes

Commercial

Industrial



Property Development Investors

500 E. 84th Ave.

Thornton, Colo.

287-2864

FOR SALE

ZILLIONS of BRICK
 most styles and colors
 immediate delivery
 You've always wanted Brick — insist on it

INTERSTATE Brick DIVISION
 GENERAL OFFICES AND PLANT
 9210 SOUTH 9200 WEST — P.O. BOX 517
 (801) 561-1471
 WEST JORDAN, UTAH 84084

**MERCHANDISE RESALE WAREHOUSE
 AND TILE DEPARTMENT**
 3103 SOUTH 1100 EAST
 SALT LAKE CITY, UTAH

Entrada Industries

ENVIRONMENTALLY SPEAKING...

A special statement written for Symposia

by Doris Kaplan,

Denver Board of Water Commissioners.

Time, money and effort for environmental studies comprise an integral part of the 12-year, \$368 million capital improvements program of the Denver Water Department. Many water facilities for Denver, a major metropolitan area in the semi-arid eastern plains of Colorado, must be built in the Rocky Mountains where the streams begin. Consequently, the Denver Water Board has a major stake in protecting the environment of its vast water collection system.

Denver voters will go to the polls November 6 to decide a \$160 million bond issue to help finance the 12-year program the Water Board has outlined as necessary to keep pace with metropolitan water needs. Two major improvements to the extensive Denver system will be the urgently needed Foothills Complex, a water treatment facility on the South Platte River near Denver; and the Eagle-Piney diversion, the third planned stage of the Roberts Tunnel Collection System. The 23.3 mile Roberts Tunnel first brought water from Dillon Reservoir under the Continental Divide in 1963. Eagle-Piney would add 100,000 acre feet (1 acre foot = 325,900 gallons) annually to Denver's supply.

In 1971, the Water Board selected the joint venture firm of Parsons-Brinckerhoff, Forrest and Cotton for a \$1.8 million study of all aspects of Eagle-Piney, including costs, engineering and environmental impact. The firm is studying four configurations it believes feasible on how to best bring this water to Denver. The study is to be completed by June of 1974.

Since much of the Eagle-Piney Collection System borders the proposed Forest Service boundaries (87,000 acres) of the Eagle Nest Wilderness, the Water Board's attention to environmental impact cannot be minimized. The Forest Service boundaries have now been enlarged to more than 125,000 acres in a Senate bill approved by the Interior subcommittee. The Denver Water Board is seeking exclusion of approximately 9,000 acres

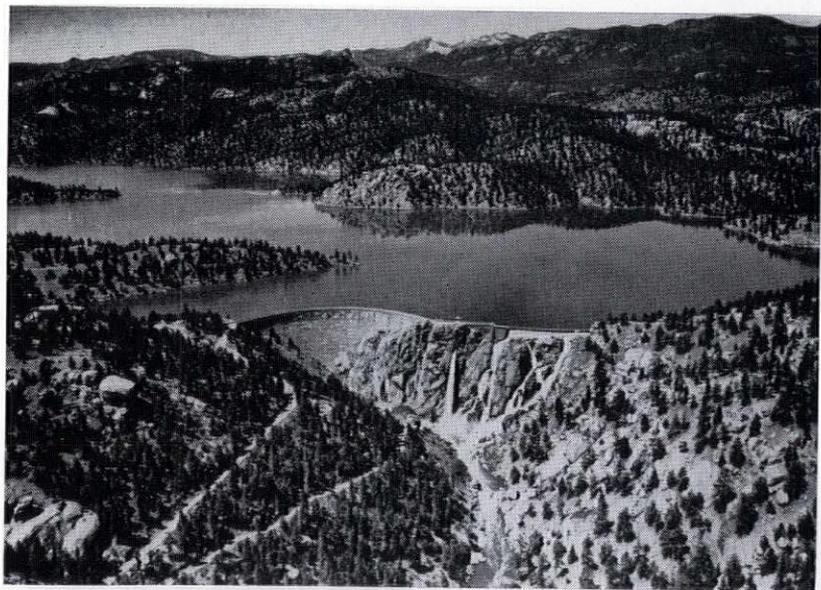
so it can continue developing water rights owned since 1956. Envicon, a subsidiary of Woodward-Clyde Associates, is preparing an environmental evaluation on the four Eagle-Piney configurations for the consultants. Once one configuration is adopted, a complete environmental assessment and impact statement will be made.

A \$240,000 environmental assessment of Foothills Complex currently is underway, including the diversion dam, treatment plant, connecting tunnel, and the pipeline from plant to Denver. The four-season study is being conducted by the joint venture firm awarded a \$2.2 million contract to design Foothills — Cornell, Howland, Hayes and Merryfield and Clair A. Hill and Associates, both of Corvallis, Oregon; DMJM-Phillips-Reister, Denver, and Harza Engineering Co., Chicago.

The 12-year improvements program also includes further development of the Williams Fork Collection System which delivers water to Denver through the Moffat Tunnel. The Rocky Mountain Center on Environment (ROMCOE) directs the team performing environmental scoping.

Looking to the future, the Board will increase planned expenditures for extensive research on re-use. The Water Department currently operates a pilot plant experimenting with treatment of sewage effluent so water can be used more than once.

In adopting the 12-year program and deciding to seek approval of a bond issue, the Board noted that area residents depend on a pure, adequate water supply for the continuing environmental quality of Denver and surrounding communities.



Graceful Cheesman Dam, completed in 1905 to create Denver's first mountain reservoir, was designated a National Historic Civil Engineering Landmark, September 15, by the American Society of Civil Engineers. Cheesman Dam, an early environmental masterpiece, was built into a mountain, and spillway water cascades over granite cliffs and boulders to the South Platte streambed below. Italian stone masons hand cut the granite blocks to form the dam. Cheesman, rising 231 feet, then was the world's highest gravity arch stone masonry dam.



Photography: Edmund V. Lee

Few architects have been presented with criteria as hedged about with constraints as these given Architect Robert Wilmsen, FAIA, principal in the Portland and Eugene firm, WEGROUP (formerly Wilmsen, Endicott, Greene, Bernhard and Associates). Case in point: an extension of facilities for the Oregon State Capitol in Salem. Remodeling of the Capitol itself would gain no new floor space—it would only rearrange the limited areas within that handsome building. In the past four years, the Legislature has taken over nearly all of the Capitol, and during legislative sessions—hearing rooms have been either jammed or non-existent. Willson Park west of the Capitol Building, is a gift of the City of Salem and regarded by citizen and City Father alike as an essential part of the Capitol setting.

Architect Wilmsen has stated that . . . “considering the controversy any normal building built in Willson Park would create because of consuming the open space of the park and the distraction of a contemporary structure alongside the Capitol Building, the resulting public debate would never permit completion, let alone funding, of the project. The sentiment with which the public regards the State Capitol would not permit another building adjacent to it, regardless of matching styles and a low profile. And—to match the white Vermont granite of the Capitol building, and all of its other distinctive details, would be extremely expensive.”

“Therefore,” Bob continues, “When assigned the Hearing Hall project, it became obvious the solution must be an *invisible* building—one sunk into the Park which would not destroy the trees or open greenness. An underground building which could be linked with tunnels to the Capitol

the imaginative solution. . .

THE OREGON CAPITOL FORUM

Building would also be less expensive than a white granite one above ground—and, too, because of the density of walls minus windows, the acoustical control and the air conditioning of the hearing rooms would be simpler and less expensive.”

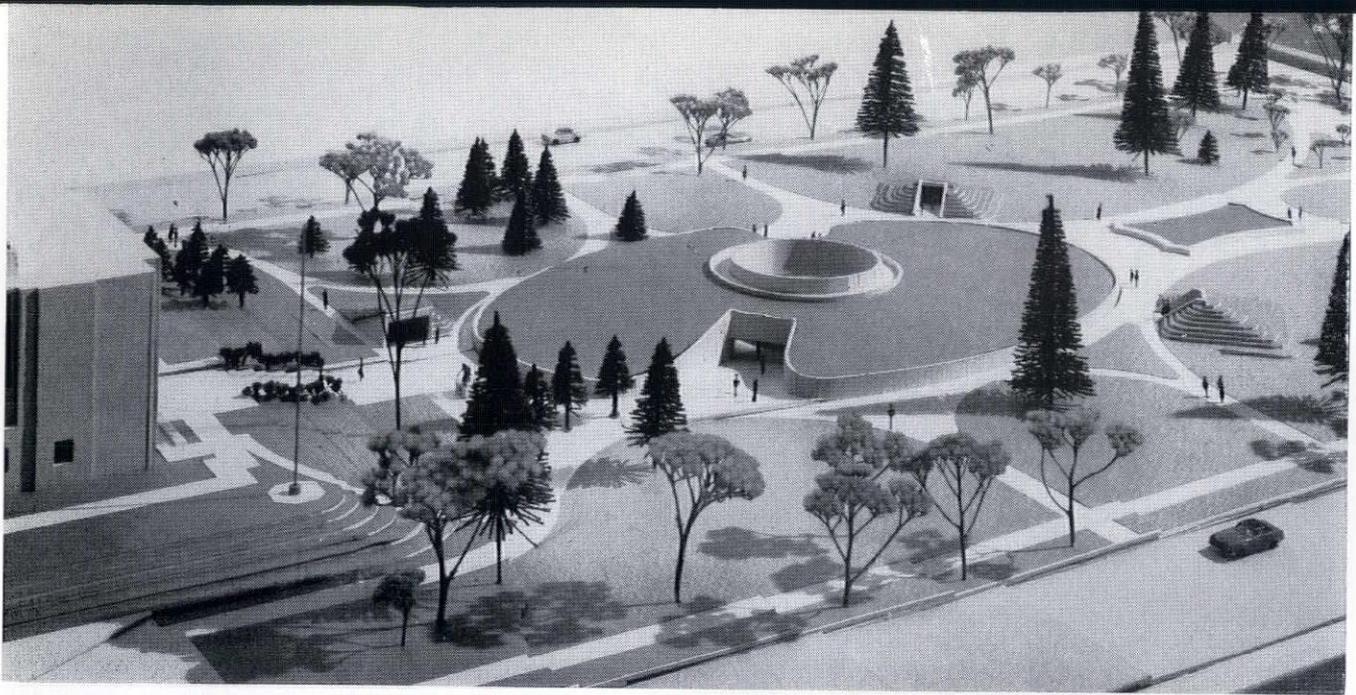
The Wilmsen concept obtained early on a most forceful protagonist . . . Oregon House Speaker, Richard Eymann, and in the many articles which have appeared in the Oregon popular press, it is frequently termed the “Eymann-Wilmsen idea.” Mr. Eymann is a member of the Capital Planning Commission and co-chairman of the Emergency Board which holds construction monies.

The proposed Capitol Forum will be a multi-use structure sunk into the grass ellipse immediately to the west of the State Capitol in Willson Park. This invisible building will be used for public gatherings by both the Legislature and the public, the span across the ellipse is accomplished with a reinforced concrete flat dome . . . the resulting low profile is a turfed and landscaped green mound.

This solution for providing hearing rooms and multi-use public spaces interconnected to the State Capitol with an underground tunnel preserves the trees and the open greenness of the Park. To overcome the psychosis of some, relative to attending meetings, concerts and hearings in a basement, the flat dome is punctured at its center with a large circular skylight to thus permit natural light into a central foyer. With natural lighting pouring into this two-storied circular space, greenery such as trees and plants can grow, creating a pleasant setting for receptions, intermissions and coffee breaks. This inner two-leveled foyer can also be ideal for exhibits of arts, crafts, hobbies and trade products making the building an ideal convention center with its large assembly space, smaller committee spaces with the foyer for exhibits and refreshments.

The skylighted foyer will be surrounded by seven windowless hearing rooms on two levels . . . they will seat a total of 1,730 people. The largest will seat 900 and can be used for legislative hearings, musical concerts, theatrical productions, lectures, movies, conventions and public meetings. On the balcony which seats 100, there will be a projection room and the lower level with seating for 800 has a hydraulic stage and flat floor facilitating varied use of the space.

Smaller meeting rooms will have spaces for 160, 150, 140, two spaces for 130 and one room for 120. Each of these meeting rooms has adjoining offices for legislative staff. The total enclosed area within the Forum building, including tunnels, stairs and ramps is 63,462 square feet.



Although the Capitol Forum is linked to the State Capitol with an underground tunnel . . . there are two main public entrances from Willson Park plus three exits, facilitating easy ingress and egress for public functions. Ramps and two passenger elevators provide easy vertical movement for the handicapped, aged and youthful. The landscaped earth cover over the reinforced concrete dome will be usable for outdoor concerts, speeches and programs with the audience seated on the grass mounded surface facing a portable podium below and to one side of the existing Memorial Fountain. The Forum's proximity to state agencies, governmental offices and Willamette University as well as to the downtown business district will certainly create a demand among many groups for full usage.

When interviewed by Salem's Capitol Journal, Bob Wilmsen pointed out that the "Mound" wasn't as revolutionary as one might believe. "There are underground facilities in a number of malls in major American cities". He cited the many kinds of architectural solutions in the stations of Mexico City's new subways, the Oakland California art museum and a member of underground facilities on college campuses . . . ie: the Physics Building at the University of New Mexico and the University of British Columbia's new library which is half submerged in a hillside.

Concludes the Capitol Journal in the article published during the early stages of the project . . . "the legislature has encouraged Wilmsen to make preliminary drawings of his initial Mandan Indian mound. (Wilmsen is part Mandan, a fact that came to mind when we first looked

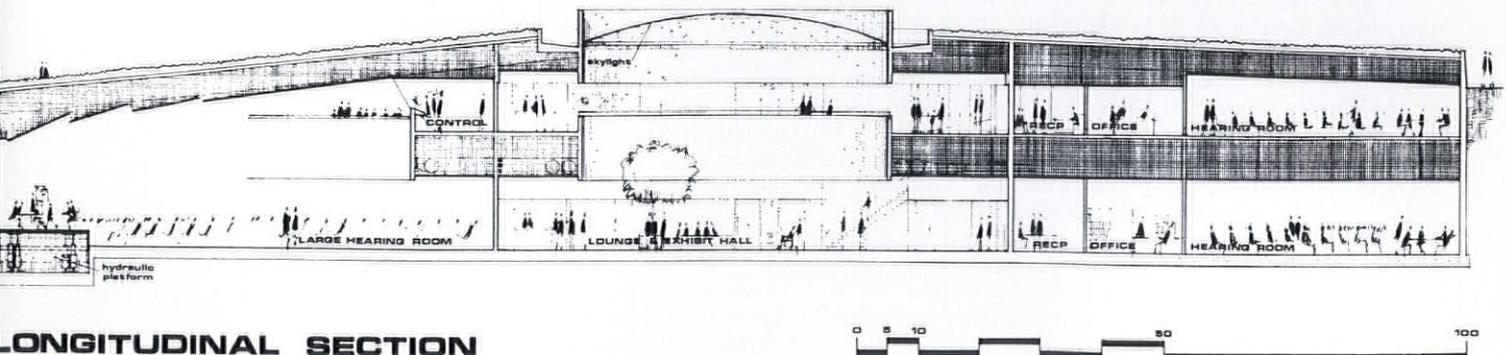
at the rough sketches, for the Mandans were known as quick men with a mound.) He and his staff say they haven't been as excited about a building idea for a long time. We hope the excitement spreads."

The Capital Planning Commission approved plans for the \$2.85 million underground Capitol Forum on August first . . . and the tentative completion date is March, 1975.

The construction of the forum will be reinforced concrete, waterproofed with external membranes and hydrostatic floor slabs. Engineering test data prepared by soils engineers for other capitol mall buildings indicate that the underground water table will not create any more problems than experienced in the state capitol basement. The few low profile walls on the exterior, such as entrances, will be clad with white textured precast concrete panels. The air conditioning system for the forum will be self-sufficient and independent of the capitol building's system.

During the period of construction of the forum, all operations will be confined to the area east of the Memorial Fountain and west of the capitol building, therefore leaving the balance of Willson Park to the west of the fountain undisturbed.

Architect Wilmsen and his innovative solution has proved that a number of negatives can be added together and a positive total result achieved. As open spaces dwindle in our cities, the "mound" concept looks better and better. It's a new way to let the sunshine in!



and in conclusion...



C.S.I. National Convention

A Dynamic Force

In

Construction

The initial summary of what "happened in Washington, D.C." may be found beginning on page 21 of the August issue. We now tie up the package with reports on the activities on DAY TWO, June 26 from Editorial Board Members, Walt Bishop, CSI (Washington) and Dick Perrell, FCSI (Arizona) and Good Helper, Lee Kilbourn, CSI (Oregon). We are most indebted to these gentlemen for their time and effort in the behalf of Symposia and its readers.

CSI—DYNAMIC GUIDANCE by: Walt Bishop, CSI

The second session on Tuesday morning provided a complete dynamic overview of CSI's involvement in Education. The four speakers presented different aspects of CSI and Education from the standpoint of the educator, the student, the specifier, the technologist, the architect, the engineer, the organization—CSI. The moderator Larry Fisher, FCSI, is both an Educator and a specifier and has served on the Institute Education Committee the past three years . . . This past year as chairman, Larry provided me his written text as presented at the convention along with the text of the other three speakers. Any summary or condensation of their presentation would not compare to giving you "The Whole Thing". With that introduction allow me to present the program.

Larry Fisher provided an introduction to the subject of educational direction and to the three panel members who spoke of the many and varied aspects of the topic. Jack R. Lewis, FCSI, was the first panelist . . . a past president of the Institute and a professor at California Poly. He began by voicing disappointment in the progress of education at the undergraduate level and in CSI contribution. "The facts are," he said, "very little has been done". While some colleges and universities have organized courses to educate people in the field of specification, few undergraduates attend — material is often too advanced and fees are too

expensive. Similarly Educational Seminars sponsored by Chapters and even Regions fail to reach students . . . all assume the audience has reasonable knowledge of the subject at hand. What is needed stated Professor Lewis, "is not a sophisticated discussion of the approach to specifications in some specialized area. Even our CSI literature is not pointed toward the student."

His specific recommendations toward a more effective effort to education of the undergraduate are as follows:

1: We have to help with curriculum planning—even provide knowledgeable instructors. Cooperation with school planners is essential to fit the program to existing or remodeled college schedules.

2: We must actively work with instructors many of whom have never been exposed to a course in specifications writing nor have they ever written specifications. We need a program directed to up-date the thinking of those who consider "spec writing" the end of the line.

3: We now have five student chapters . . . the first chartered four years ago when all of us optimistically were going to go right home following the Chicago convention and organize a student chapter. What happened? My experience with students leads me to believe they want to see and talk to you professionals, to pick your brains, to find out how you operate and how you write and administer specifications.

4: At regional and national levels, I would suggest programs for the inexperienced specifications writer, student or beginner giving them the "why" and perhaps winners of national specifications awards could talk about "how they did it".

In conclusion Professor Lewis summarized . . .

Undergraduates in colleges are interested in specifications preparation as

well as other phases of the construction process but they need expert guidance. Within CSI we have an abundance of that expert capability. Let's try to broaden our programs just a little more and include these future architects, engineers, contractors and manufacturers in our educational activities. This we should be easily able to do.

Speaking from the standpoint of the student himself was Ronald J. Guest, CSI, now a Landscape Architect, but who served as first president of the Urbana CSI Student Chapter at the University of Illinois. Outlining the development of this Chapter, Mr. Guest said, "We tried to give the students what they wanted most . . . to satisfy the need for knowledge and to achieve a better understanding of the construction industry. We obtained this through lectures, panel discussions, product demonstration of the latest technical developments and informative documents in the industry. The introduction and guidance in the use of the classification and standardization of communications methods such as Spec Data, Spec Data II, the CSI Format etc. was received by many with amazement and interest . . . students generally are not acquainted with what CSI is and does." Mr. Guest felt the Illinois Student Chapter was a technical organization which has succeeded in answering student needs. The lack of growth in new chapters is perhaps due to a lack of enthusiasm and interest generated and unfortunate because he felt he gained from his own involvement. "The knowledge of resources for information was not only useful in school, but is now twice as useful on the professional level. I feel from what I learned from CSI, I gained a big advantage—it will be of great importance to me in my future."

C. Herbert Wheeler, Jr., AIA, CSI, a Professor of Architectural Engineering at Penn State, was the final panelist addressing himself to "Edu-

(Concluded on Page 38)

Designing for Energy Management Systems

The following article is the text of a speech delivered by Denver architect, John B. Rogers, AIA, at the Energy Crisis Program held at Northern Colorado University. The audience consisted of architects, educators and educational planners. "I believe," writes John, "planning for energy management systems is an absolute necessity and the sooner building owners, architects and engineers realize this need, the more useful our buildings and building systems will become. I have used Mountain Bell's new Denver Service Center as an example in this presentation because they have planned for future management of energy consumption and believe that when major corporations demonstrate this kind of responsibility, they should receive credit." Our appreciation to John for this most timely addition to a topic very much in the spotlight.

by: John B. Rogers, AIA

RNL, Inc./Architecture • Engineering • Planning

Not too many years ago, cost of operation was considered more important than first cost and so design decisions were made to reduce operating costs. Obviously a reduction in operating costs usually means less fuel consumption and less energy needs. Over the past 15 to 20 years this attitude has gradually changed because of the continual cry of "tight money", limited dollars, continuing inflation, etc., now the absolute criteria for design decisions has become centered almost totally on first cost with the operating cost becoming more manageable over a longer term, even though higher than necessary. This sort of decision-making tends to use more fuel, more energy, when the goal is lowest, first cost.

During this same period of time, energy producers have put on sales campaigns to sell more fuel and more energy and to encourage designers and engineers to increase fuel and energy consumption. This "use more attitude" and ready assimilation by the public runs the entire gamut from totally unnecessary and in some cases non-useful, to increasing pleasures and comfort for people. This contrived expenditure of additional energy extends from electric can openers and pencil sharpeners; to recreational vehicles that contribute to environmental problems; to gas fired backyard barbecues and to design of ever increasing equipment and machinery to maintain constant temperatures and constant light levels in habitable spaces.

We, the architects and engineers who have succumbed to the "conventional wisdom" and have agreed to design to a minimum capital cost at the expense of a higher usage of fuel and energy which has been continually encouraged by the suppliers of energy.

In these recently changing times, when we have somehow learned to equate the expenditure of energy with the good things in life; generally increasing income and the availability of money have been such that the costs of energy have become unimportant.

Twenty years ago automobiles were advertised and sold on the basis of long-term service and a minimum use of fuel. The engines which drove these cars were rated at 80 to 100 hp, transmitted power through a gear train and included the option for overdrive at highway speeds in order to further conserve fuel, primarily to conserve money.

In the same way school buildings were planned in the late 40's and 50's to maximize natural light and natural ventilation. First costs were comparatively greater than today for the basic building in order to construct clear stories and operating windows, to take advantage of natural light available—orientation was determined to a large degree by natural lighting requirements. Further sun screens for windows and other devices to physically control solar heat loads were designed as an integral part of the building, to take advantage of light and ventilation natural to a particular environment. These school buildings used artificial light to supplement natural light sources and used ventilation fans to supplement natural ventilation. The operating costs and the energy consumption were a fraction of what we use today in our modern sealed school buildings, which have been designed in the late 60's and now into the 70's. These buildings use a maximum amount of energy for lighting, equipment, gadgetry and year-round temperature control.

In our zeal for even small reductions in first costs, we have eliminated individual switches for lighting and have switched entire banks of lights from main panels so that there is no management choice, so that the only choice is **all on** or **all off**. This particular flagrant use of electricity has been further compounded by our acceptance of the proposition put forward by utility companies and engineers that the best operating procedure is to turn all the lights on in the morning and never turn them off until the building is deserted at the end of the post-day maintenance. We even have mechanical systems designed to achieve minimum first cost which cool the air, then reheat it in order to maintain space temperature. This particular system is known as the reheat system and provides a high degree of individual control within a particular space regardless of the conditions in the space.

These general comments have been presented to point up the absolute necessity of designing school buildings to provide for management in the consumption of energy. By management I mean choice. There must be a choice in using artificial lighting, in the amount of artificial lighting and in the comfort zone to be maintained in terms of temperature and humidity.

For example, here is the essence of a proposal that we recently made to Mountain Bell for whom we are designing a major structure.

A typical floor for the new Denver Service Center for Mountain Bell contains about 33,000 gross square feet, about 25,000 net square feet and 502 4-tube fluorescent fixtures which will produce and maintain a light level at the working surface of 100 foot-candles plus. In keeping with current

and past design trends, these fixtures would be switched from a central panel in circuit banks and would be "on" from the time the building opens until the end of the maintenance operation, averaging 6½ hours after the close of the business day. In lieu of the so-called standard procedure, we have designed this lighting to be circuited in such a way that the 4-tube fixtures may be used as 2-tube fixtures producing 50 footcandles of light at the choice of management. In addition, the 3 rows of lights nearest the windows will be switched separately by rows and by orientation through a contactor in order to provide a choice, when outside light is effective, by turning off those fixtures while others are required. The effect of this circuiting and switching on 17 typical

floors which you see here, can reduce the power required for lighting by ⅔ of that required when all 4-tube fixtures are on. This amounts to 103 kilowatts per floor (including reduction for cooling). This design will add \$7,000 to the first cost per floor. A first cost of approximately \$14.00 per fixture in the example given. This will pay out in about 6 years using energy management systems.

We are currently engaged on two projects from the Denver Public Schools and have received approval to consider and implement Energy Management Systems. However, I suggest that school systems should assume the responsibility of becoming acutely aware of the requirement for energy management both in planning

new facilities and in operating existing facilities.

In regard to the planning of new schools: I would strongly suggest that the programming phase include a consideration for energy management systems including program information on quality and quantity of energy using devices. Some of these considerations will be contrary to the currently accepted need for certain equipment and conveniences which may not be essential to the program for which the facility is being designed. Be especially aware of the need for provision for the management of energy consumption from the very beginning of program development (a CEFP must) through the design and construction of new facilities.

Sponsored by: The Colorado Central Chapter
American Institute of Architects



The Shulman Seminar Photography of Architecture

Unfortunately type is a silent media since a few "ruffles and flourishes" should certainly herald the coming of the Shulman Seminar to the Denver area on October 26-29. For three days, Julius Shulman will guide architects and photographers through a series of "site studies" and actual photography of architectural projects which will be culminated by a presentation and evaluation of the photographs taken. "The purpose," emphasizes Mr. Shulman, "it not to teach photography. The purpose is to make the photographer-architect relationship more intelligent." On Monday, October 29th, Mr. Shulman will have a full day program with students of the College of Environmental Design at the University of Colorado in Boulder.

Born in Brooklyn, Julius Shulman has become in the last three decades a "citizen of the world". He pursued the study of the liberal arts at the University of California in both Los Angeles and Berkeley, and it was a chance meeting with the late Richard Neutra, FAIA, which served to launch his distinguished career as an architectural photographer. When, in 1969, the American Institute of Architects honored him with the Photographers medal, the citation read, in part: "Julius Shulman's technical skill with the camera, lighting nuances and subtle angles has produced superb photographs. As the author of many articles and books on his subject, he has established the highest possible standards for his art and has contributed substantially to the development of fine architectural photography." He is, in addition, a fine human being of great sensitivity and charm.

The tentative schedule for the Seminar will begin on Friday morning (October 26) with a discussion and get-acquainted session to be followed by a bus tour of sites

and actual photography. Lunch, somewhere along the way, will be followed by an afternoon of further photographic work. On Friday evening, a No-Host Cocktail Party honoring Mr. Shulman will take place, and Julius will make a slide presentation at that time. Although under the auspices of the Colorado Central Chapter, this will be an "open affair" according to Continuing Education Chairman, Professor DeVon Carlson, FAIA, of Colorado University.

The buses will load again on Saturday morning for another full day of site-study and photographing. Special processing during Saturday night of all films exposed during the two day session will make it possible for the Sunday morning presentation and evaluation. The seminar is expected to conclude by 1:00 p.m. on October 28. Materials required for participation—a camera and Ektachrome X film (ASA 64).

Since, at this writing, we are a number of weeks away from the actual Seminar, a number of details including costs are still to be completed. Enrollment for the Seminar, however, will be on a "first come, first served" basis, and we would urge you to make direct inquiry to the Colorado Chapter/American Institute of Architects at 1426 Larimer, Denver 80202 or talk with either Judy Struck or Dave Williams at this office 244-8959.

Symposia is pleased to have had a part in initiating this Seminar . . . the idea came originally in our correspondence with Mr. Shulman. We feel it will prove of significant value in the improvement of architectural photography in Colorado. Indications point to an early "full house" for this event. If you wish to participate . . . we suggest "do it now"!



Honor Awards Program Western Mountain Region

The 1973 Honor Awards Jury (a most eminent group, indeed) was in Denver on September 8-9 to judge the merits of the forty-six submittals from the Western Mountain Region. In an innovative "open" program, a number of architects and other interested persons were present on the first day to view—with the Jury—the entire program of slide presentations. We would append only two personal notes . . . a "Dear John" letter to John Dziuba for the phonetic spelling of his name in our September issue, and our great pleasure in spending a delightful day with Betty Thompson as she took a look-see at the Mile High.

There is still a gentle echo of her Louisiana heritage in Betty's soft voice as she comments on the city, its architecture and upon life as wife, mother and Senior Editor of Architectural Record. She is an architectural graduate of the University of California, Berkeley, following study at Tulane and the University of Wisconsin. She began her literary career with the New Orleans Times-Picayune joining AR as Assistant News Editor. She has received the Public Information Award of the California Council, AIA; she is an honorary member of the Women's Architectural League of Oregon and a Fellow of the American Institute of Architects. She has served her home town of Berkeley as both member and president of the Civic Art Commission and Civic Art Foundation. She is, above all, a "beautiful people"—we are proud to know her.

Bruno P. Conterato has been a partner in the Office of Mies van der Rohe since the creation of the partnership in 1969—a member of the firm since '48. A Fellow of the Institute, Bruno is presently First Vice President and Director of the AIA's Chicago Chapter and a member of the Architectural Technology Advisory Committee for Harper College. He has been the recipient of many awards including the HHFA's Urban Renewal Administration First Honor Award for the Lafayette Park Redevelopment Project and the Colonnade and Pavilion Apartments. He received a Citation of Excellence in the Design in Steel Award Program and the AIA Chicago Chapter Citation of Merit for the U.S. Courthouse and Federal Office Building in Chicago's Federal Center.

It's a little difficult to equate John Dziuba's youthful countenance with his seventeen years in architectural and interior design. Formerly vice president of a large Chicago-based interior design firm, he is now president of Interiors Incorporated, an affiliate of C. F. Murphy Associates. A registered architect in Illinois, John is a member of the American Institute of Architects and has lectured widely and authored several articles for design publications.

(Information regarding the Honor Award Winner and the Jury comments regarding the Mountain cabin project which is shown on our cover may be found in "about the cover" on Page 19. Because of the lengthy comments by the Jury, those projects receiving Citations will accompany our "wrap-up" of the WMR Conference in the November issue.)

THE JURY



Elisabeth Kendall Thompson, FAIA



Bruno Conterato, FAIA



John Dziuba, AIA

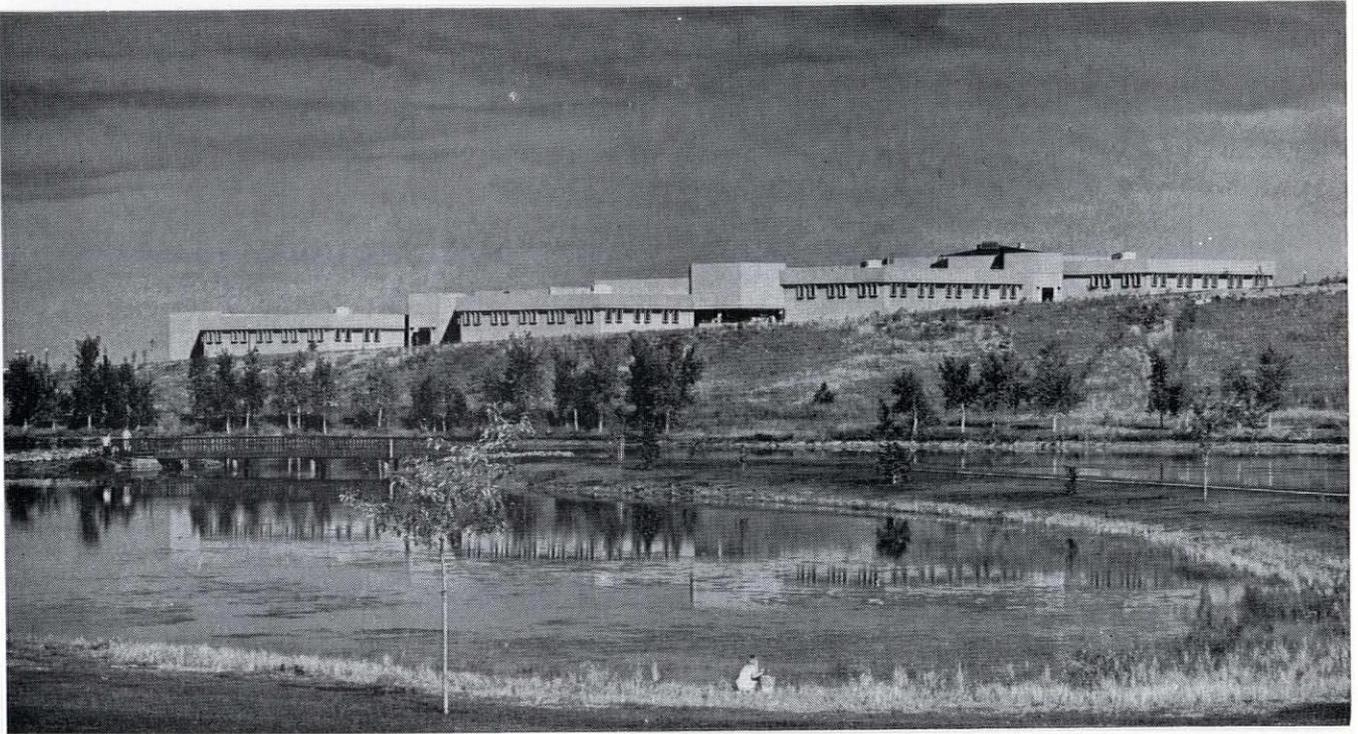
GENERAL STATEMENT BY THE JURY—

The Jury was privileged to review the submitted work of Mountain Regional architects, found it of exceptional interest, and was stimulated by it to lively and exhilarating discussion which ended only at the airport.

This Jury took the freedom of establishing the awards it wished to give, and early decided that the Award of Merit should be the top award to be given for excellence in all aspects of the work involved in the project, and to reserve the Award of Honor for a project, or projects, which, regardless of size of building, complexity of program and plan, budget or other considerations, had cer-

tain attributes which serve to remind architects that while architecture must serve society, it must also serve beauty, and that as architecture becomes increasingly business-like — and with reason — it must never forget that its fortune and its continuing responsibility is in the arts.

In the course of its deliberations, the Jury came to the conclusion that there were a number of entries which deserved recognition for certain strong accomplishments but which, because of insufficiencies, could not properly qualify for an award. It, therefore, decided to establish a Citation to be given to these entries.



The jury was openly envious of students who are able, in the course of their education, to attend a school of such delightful character as this, and felt that exposure to architecture of the quality represented by this school complex should be a major influence in educating for public awareness of the environment. The building is sited with sensitivity on the slope of a hill overlooking a pond, and steps up the hill to its high point where the entrance is. It is of concrete, inside and out, and the details for the use of this material are handled with skill and the obvious intent of enrichment of experience. There is remarkable carry-through from exterior to interior of the feeling of quality and of concern for the users of the building. The consistency in use of materials and in the detail of the concrete supplements the interest—excitement might be the better word—which the flow of spaces generates. Strong colors are used on the interior, but the overall effect of the interiors is one of restraint. The use of hexagons in planning is perhaps more understandable from an architectural point of view. It was assumed by the jury—though the description did not provide enlightenment on this matter—that the suggestion of using this difficult form came from the client. The architect obviously enjoyed doing a building in the total sense, and made his contribution total as well. The Jury easily agreed on the excellence of this building and on its receiving the Award of Merit.

FAIRVIEW SENIOR HIGH SCHOOL, BOULDER, COLORADO

HOBART D. WAGENER, ARCHITECT—BOULDER

CONSULTANTS—

Structural: Johnson-Voiland-Archeleta

Mechanical: Becket-Harmon and Associates

Electrical: Garland-Cox and Associates

Acoustical: T. G. Morrissey

Landscape: Chris Moritz

General Contractor: Pinkard Construction

FIRST NATIONAL BANK OF ALBUQUERQUE
SANDIA PLAZA BRANCH

ANTOINE PREDOCK—ARCHITECT

Stanley G. Moore—Associate

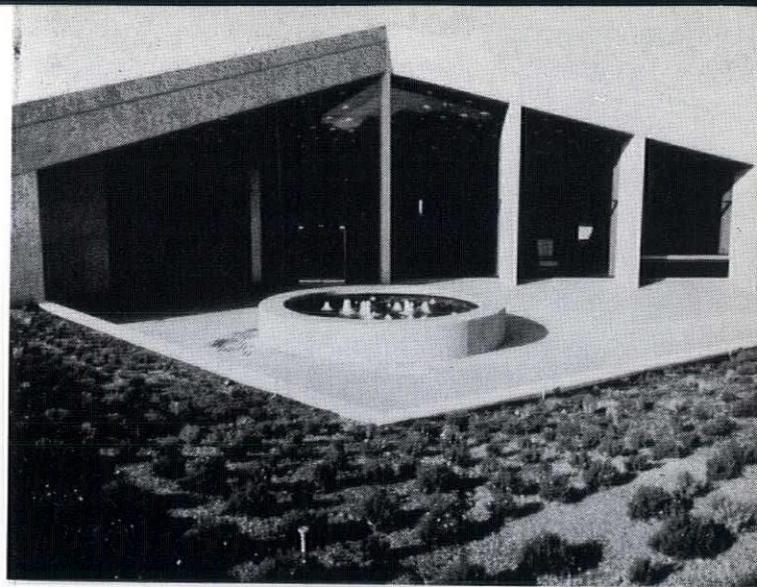
CONSULTANTS:

Structural: Robert D. Krause

Mechanical: Allison Engineering

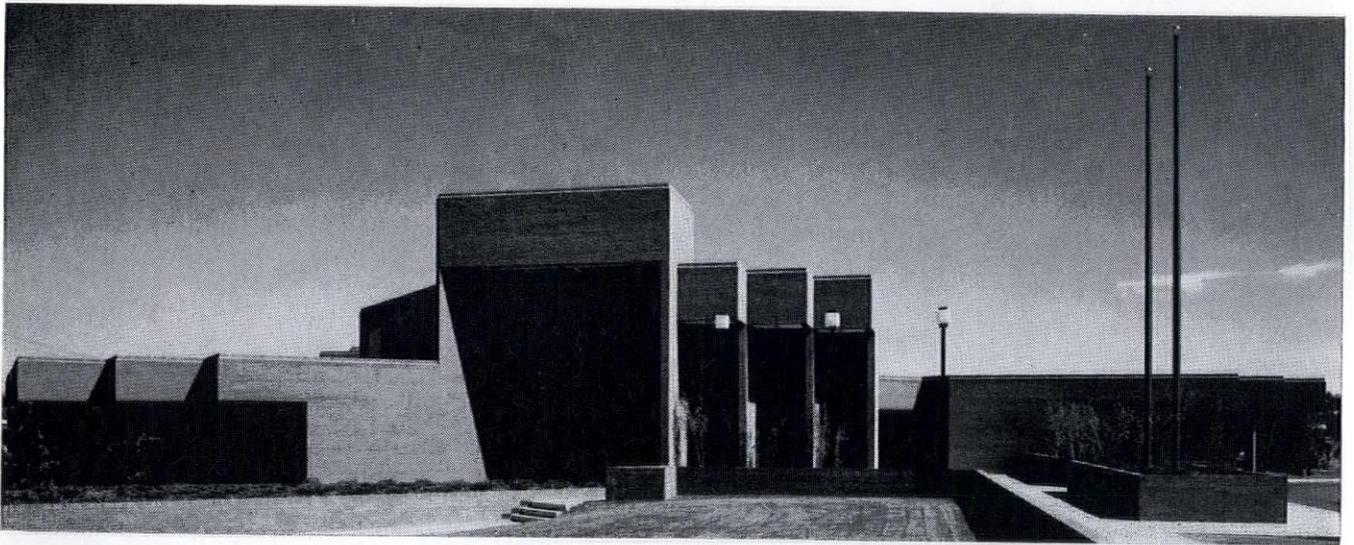
Electrical: Donald S. Fowler

General Contractor: Lembke Construction, Inc.



The unusual form of this branch bank building makes a strong statement in the shopping center where it is located. The building is of concrete, of excellent quality to judge by the photographs, and this material is handled with great appropriateness and with a commendable restraint which the strong and dramatic form of the building required for maximum effect. Surfaces are simple and plain, an important consideration in dealing with geometric forms of exceptional configuration. The opening up of the entrance elevation to the enclosed court and,

*from the upper level, to the view of the mountains, makes the interiors unusually pleasant, and the coffered ceiling which incorporated the illumination of the entire banking room is handsome. The landscape design uses berms to screen the road from the court and to form an environment in which both materials and climate respond to each other, and in which the banking institution and the community can relate pleasantly to each other. For these reasons, the Jury found this building excellent and presents to it the **Award of Merit.***



ARVADA MUNICIPAL COMPLEX, ARVADA, COLORADO

ARCHITECT: THE A.B.R. PARTNERSHIP

Project Architect: Don Barker

CONSULTANTS:

Structural: Zeiler and Gray

Electrical: Swanson-Rink and Associates

Mechanical: McFall and Konkel

Graphic Designer: Jerry Kannapinn

Landscape: THK Associates, Inc.

Interiors: Robert Caudle and Associates

General Contractor: Webco Construction, Inc.

Photography: Ted Edeen

*Throughout this building the knowing hand and eye of a skilled architect is visible. Exterior and interior building and furnishings evidence elegance of detail and excellence of taste. The plan takes advantage of the site, and uses it unobtrusively and efficiently. Materials as well as detail indicate that its exterior maintenance will be minimal, a virtue not to be ignored. Both the City and the Architect are to be congratulated — the City for having obviously trusted its architect; the architect for having persevered in the difficult area of serving the public client. This is a whole building, inside and out, and worthily received this **Award of Merit** for its excellence.*



MOUNTAIN RESTAURANT-COLORADO
CHARLES E. SINK & ASSOCIATES, DENVER
OWNER: COPPER MOUNTAIN INC.
STRUCTURAL: JOHNSON, VOILAND, ARCHELETA
GENERAL CONTRACTOR: GEORGE SHAW CONSTRUCTION

A very simple palette of materials—principally glass and weathering steel, a refreshing change from the more usual wood in such buildings—is effectively used in the design for this day-use ski lodge. It is a big building, but thanks to the materials of which it is made, it is not massive. The superb views from the site called for the means to look at them from some sheltered place, and the building offers this means in the great glass walls of the dining spaces on the north and east sides. The jury felt that the furnishings of these spaces detract from the quality of the building itself, and hoped—but could not know from the material submitted—that the choice was the client's and not the architect's. The feeling of enclosure is enhanced by the shape and color of the steel roof, which also aids in relating the building to the site. This successful and happily simple design receives this Award of Merit for its excellence.



PRUDENTIAL PROPERTY AND CASUALTY INSURANCE BUILDING, PHOENIX
PETER A. LENDRUM ASSOCIATES, PHOENIX, ARIZONA
STRUCTURAL ENGINEER: Mann and Anderson
MECHANICAL & ELECTRICAL: MBA Engineers

GENERAL CONTRACTOR: Ketchell Construction
OWNER: Scottsdale Properties
LANDSCAPE: Peter A. Lendrum Associates

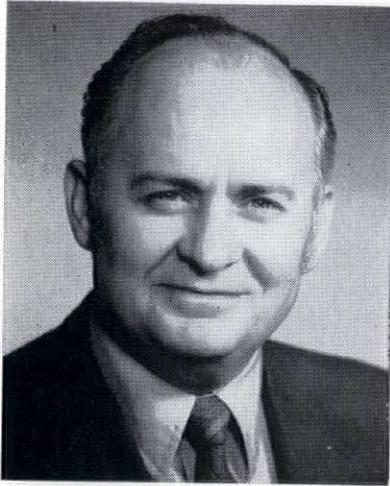
This building, built as a speculative venture, according to the description given the Jury, is a lesson in the achievement of distinction through simplicity and restraint, with such old-fashioned architectural virtues as proportion, rhythm, order and unity—all important aspects of the success of the finished building. The dominant element in the design is the structural frame; everything else is subordinate to it, but subordinate with dignity and for a purpose. Although not a building with an unlimited budget, nevertheless, the impression is conveyed that this is a building with quality, and it is the strength of the exposed frame, the modesty of the setback curtain wall, the simple sunscreen band, and the elegantly subdued color treatment of the exterior that gives it this quality.

The Jury questioned the L-shape of the buildings, and the variation in bay size—for which no explanation was given—but felt that in both instances the building frame gave the required unity. The landscaping and walks are particularly well and pleasantly handled, providing delightful contrast to the building. Even had this not been a speculative building, its restraint would have made it a building of notable character; as a speculative building, it is phenomenal. In the hope that as judicious and respectful employment of the architectural virtues of restraint and simplicity, single dominant statement and appropriate subordination of lesser elements may engender buildings of equal or even greater quality, the Jury presents this Award of Merit.

a symposia series

Introducing: architecture/engineering/construction leaders

oregon



**Verne Brice, President
Portland Chapter
Construction Specifications Institute**

(Although this came to us through Madeline Biggs who does P.R. for the Portland Chapter, she disclaims authorship. It was composed she tells us by employees of Travers and Johnstone, Architects . . . and a sprightly "life and times", it is).

"The old codger of T/J has been elevated to the position of President of CSI. He said it was an uplifting experience, he always knew he would get it in the end. Having conned his way through the ranks (and many were rank) of several Portland architectural firms, he landed at T/J's doorstep in July, 1968. On becoming an Associate of the firm in 1969 he gained a new title and other appellations and nefarious duties. His duties of a more specific nature are: specifications author (performed under various nom de plumes), project architect and something called "Technical Data Coordinator," a duty never adequately described. He was recently named Vice President of Travers/Johnstone, Architects.

"The past year he was Vice President of the Portland Chapter of CSI. This office caused him to devote many evening hours of investigation into vice and no doubt his diligence and other attributes has brought him to where he is today—the new President of CSI. He is also a corporate, corpulent (?) member of A.I.A.

"Verne's mentionable extracurricular activities are back packing and camping, fishing and hunting, and falling-down skiing. He was demonstrating his expertise as a downhill racer to several of the fair sex. Somehow his ribs got cracked in the demonstration.

"The Portland Chapter's officers for this year are Vice President Architect type Ken Searl—a general contractor Gordon Todd, Secretary—an industry member and supplier Ronald E. Mohr, Treasurer. On the board are Alan Beard, Don Edmundson, Rod Heestand, Robert MacDonal and J. Min Luey (past CSI President)."

TAKE ME TO YOUR LEADER

colorado



**Robert W. Langemo, President
Rocky Mountain Section
Illuminating Engineering Society**

The Valley Country Club provided the backdrop for installation ceremonies recently for the 1973-'74 "fearless leaders" of the Illuminating Engineering Society. Kenneth E. Fairbanks, Independent Testing Laboratories in Boulder passed along the gavel and was presented with a Past President's pin in recognition of his faithful service to the Section.

Mr. Langemo is a lamp engineer for G.T.E. Sylvania in Denver and he will be aided and abetted during his term by Vice-President John F. Kitson of Public Service; Secretary-Treasurer Joanne Sammons of P. W. Smith Company and by a Board of Managers which includes Richard S. Brown, Home Light and Power; Luke Campeau, General Electric Lamp Division; Lou Davidoff of Interior Design Consultants and Dr. Ronald Helms, University of Colorado. Regional Vice President for the Illuminating Engineering Society is Donald R. Marcue, Public Service Company of Colorado, a past president of the Rocky Mountain Section.

The first major IES event of the year is the Annual Lighting Design Award Program with D. L. "Dutch" Froehlich in charge. The Committee will be forwarding award nominations to the Regional Council of Judges on October 31.

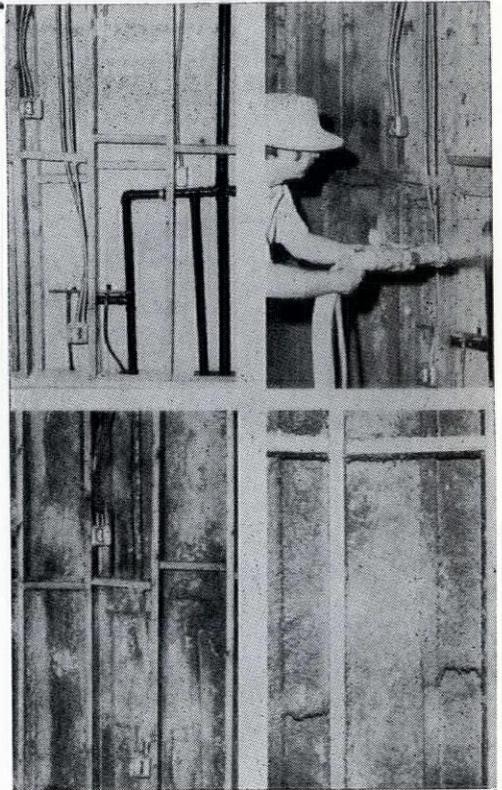
At the risk of being punny—we will wish Mr. Langemo and the IES a bright 1973-'74 season!

CELBAR

Noise Control for Plumbing and Wall Systems
Highest Sound Transmission Class for Your Money

K-13

Spray-on Systems
Combination of Acoustical, Thermal and Fire Rating

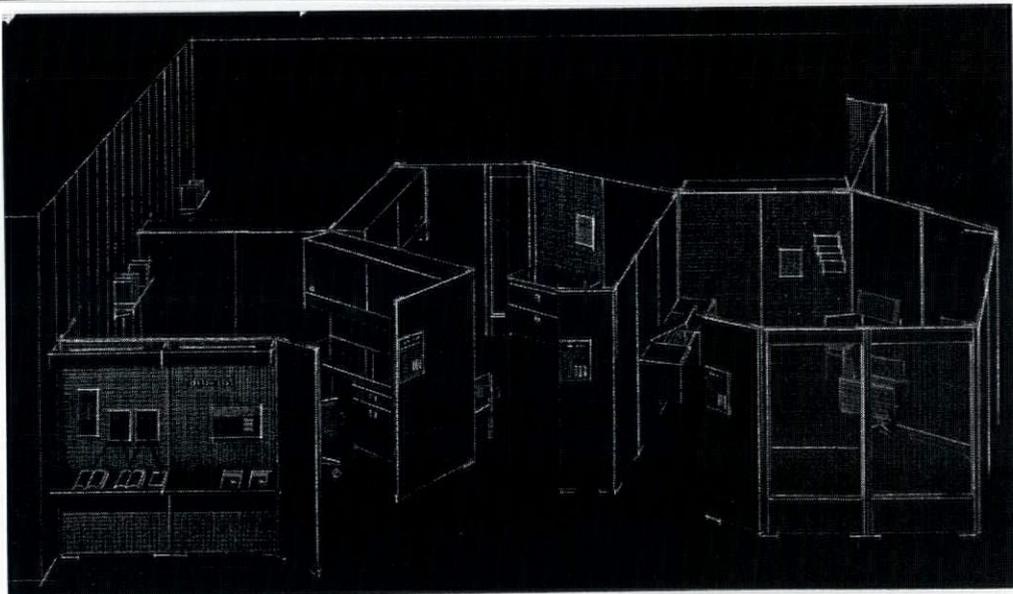


Construction Specialties Co.
2625 Walnut Street
Denver, Colorado
303/534-3271

Keers, Inc.
3323 Stanford, N. E.
Albuquerque, New Mexico 87107
505/345-3531

Mountain States
Insulation & Supply
774 South 500 West
Salt Lake City, Utah 84101
801/359-7751

Progressive
Insulation & Ceiling
Box 4101
Pocatello, Idaho 83201
208/232-5965



SYSTEMA

OPEN OFFICE (Or School) LANDSCAPE
By

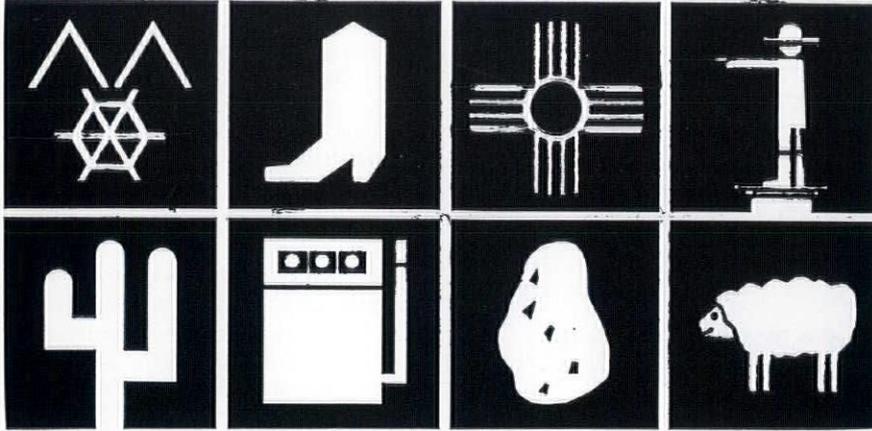


1818 W. OXFORD AVE.
DENVER, COLORADO 80110

DESIGN PRODUCTS, INC.

PHONE
303/761-5563

symposia/around the region



arizona

Off and Running!

When AIA members start the ball rolling in the autumn, they make a good thing of it . . . just reading their September line-up of events leaves one breathless. Up Central Chapter way, they began with the Installation Banquet on September 5 at the Saddleback Inn. Speaker for the evening and installing officer was Elmer Bot-sai, AIA, San Francisco, Institute Treasurer. The one and only Dean Jim Elmore, FAIA, was the as-always-witty M.C. and a great program was enjoyed by all. 1973-'74 officers are President, George Sprinkle; Vice President, Tom Zimmerman and Secretary, Al H. Saylor, Jr. Jim Rapp is the new Treasurer. Then everybody headed south for the Arizona Society Fall Conference at the Rio Rico Inn, Nogales. The 19th was a day to remember . . . Breakfast for the Executive Committee, a Luncheon meeting for the Arizona Council of Professions, and of course, the WMR Conference opened at Estes Park. Equally busy . . . the South Arizona Chapter with their Annual Election meeting at the Westward Look on the 5th. There was a real treat for the architects on this auspicious occasion . . . Charles Clement, artist, sculptor and raconteur presented a slide showing of his recent trip to Europe. Since SAC was cast as "mine host" for the Fall Conference, we can be sure Chairman Rex Willoughby and Co. were kept on the go. We are looking forward to the good word on all of these important events up to and including some new "fearless leaders".

colorado

A Day Late and a Dollar Short

This, according to the CSI Pikes Peak newsletter "Intent" is as outdated as Grandma's girdle. Today, it's more like "Ninety days late and a back

charge for liquidated damages." So in August, the Pikes Peak crew heard from the experts on delivery dates and potential shortages. The program participants included the following: John Sawyer, Nick Hryniuk, Howard Dutzi, Bob Carpenter, Paul Tente, Tom Flanders, Dean Serena, Marshall Silver, Brad Bent, Paul Jensen, Keith Bell, Tom Keeton, Bob Thompson, Bill Jordan, Bob Holtz and Allen Bader. They really covered the problem in brief five minute presentations . . . a fine CSI service to the membership.

By the way, at Pikes Peak they call that "attitude adjustment hour"—the "endearment period." The troops took a field trip on 26 September to the Ideal Cement Plant in Florence. Oh, they are an up and coming group in Southern Colorado!



Seal Heads CFC

Galen Seal, Jr., of Denver's Seal Furniture, Inc. is presently serving as National Chairman of the Contract Furnishings Council which recently opened permanent National Headquarters in the Merchandise Mart, Chicago. Galen has announced that CFC "has retained James Bidwell to provide services of an Executive Direc-

tor. His knowledge of our industry as well as his involvement with NEOCON will help us greatly in accomplishing our objectives." Jacklynn Bergstrom has been retained as the Council's full-time Executive Secretary, she formerly held the same position with the Chicago Chapter/AIA.

The 21 member Executive Committee met for the first time in Chicago on 7 September to plan the Council's course of action for the year ahead. Representing the West on the Council's Executive Committee is Albert Howell, President of Bank and Office Interiors of Seattle, Washington.

Membership Drive Slated

The American Society of Professional Estimators, Inc. will make a concerted drive this year to expand both chapters and membership throughout the nation. Spearheading the drive is Frank C. Seiler, chairman of the ASPEC Aims and Goals Committee and second vice-president of the national organization. Frank is with the general contracting firm of Berglund-Cherne of Denver, a member of the Denver Chapter/CSI and prime mover in the Specialized Worriers Society. He feels professionalization of construction estimating long overdue . . . says Frank, "Any company, government agency, institution or individual should be able to go anywhere in the nation and obtain reliable estimates on building projects."

ASPE membership eligibility is based on education, experience and a combination of the two. Full membership is open to those with a minimum of four years' experience during the past 10 years. Associate memberships are available to those allied with the building trades such as material suppliers. Student memberships cover those enrolled in colleges or universities as engineering students or in building technology.

Applications are available from the American Society of Professional Estimators, Inc., 14918 Burbank Boulevard, Van Nuys, California, 91401, or 15441 W. 26th Avenue, Golden, Colorado, 80204.

Mines Inaugurates Centennial

On September 8, the Colorado School of Mines in Golden opened a year long celebration of its 100th year. In recognition of the past, there was a Campus-Community Chuckwagon Dinner and the Mines Little Theater group presented the melodrama, "He Done Her Wrong, or Wedded But No Wife." With an eye to the future,

energy



economies:

Make sure all gas appliances are properly vented for safety's sake.



**Public
Service
Company
of
Colorado**

an investor-owned utility

moon rocks and NASA films and exhibits were on display and the principal speaker was Astronaut-Geologist Harrison Schmitt of Apollo 17.

Astronaut Schmitt is a native of Santa Rita, New Mexico, graduated from Western High School in Silver City and has received degrees from California Institute of Technology, the University of Oslo and Harvard University. He was awarded an honorary Doctor of Engineering degree during the September 8 Convocation.

Of interest is the fact that when the Colorado School of Mines celebrated its 75th Anniversary in 1949, Schmitt's father, the late Harrison Schmitt, delivered a technical paper report as a consultant in mining geology.

The Colorado School of Mines was founded February 9, 1874. CSM's Centennial celebration began September 8, and will continue throughout the 1973-74 school year.

Necrology

Robert B. McCandless, a member of the Denver Chapter/CSI has written to advise us of the death of **John McCrum** on 21 July of this year. Bob said,

"John McCrum was well known by

his professional associates as an architectural engineer and construction specifications writer, with 26 years service with the United States Bureau of Reclamation and 6 years with the General Services Administration in Denver. As a citizen, he was a World War II veteran. He was also the third President, Denver Chapter, Construction Specifications Institute, serving well for two terms.

John was a gentleman, a native of Colorado and an ardent outdoor enthusiast. Skiing, horseback riding, mountain climbing, camping, all these activities were his habits. He was a good family man. His wife, Harriet, and two sons, John Robert and James Archer, survive him.

He will be missed by all.

Melcher Named by ROMCOE

Albert G. Melcher has been named as acting Executive Director by the Rocky Mountain Center on Environment (ROMCOE), the Denver-based environmental service center. He replaces Roger P. Hansen who is taking a year's leave of absence to complete a major study on mining and the environment for Resources for the Future.

Mr. Melcher has been on the ROMCOE staff for over three years as Director of Technical Services. A graduate of the Thayer School of Engineering, Dartmouth, he is a registered professional engineer in Colorado and Wyoming, and until recently was a Director of the Regional Transportation District for Metro Denver.

montana

M.S.U. Offers Short Course

On October 18 and 19, a short course in Reinforced Concrete Masonry Construction, with emphasis on earthquake resistance, will be held at Montana State University in Bozeman. Donald Jephcott, Principal Structural Engineer from the State of California/Office of Architecture and Construction, will be the principal speaker. He will be assisted by James Amrhein, Director of Engineering for the Masonry Institute of America. Mr. Amrhein is the author of the reference book "Reinforced Masonry Engineering Handbook" which will be provided for each participant. These gentlemen are eminently qualified to discuss the latest methods for designing masonry buildings in seismic areas.

nevada

Hope for Virginia City

by: *Editorial Board Member, Bob Simpson, AIA, Reno. For which much thanks!*

Occasionally, during a lull in the din being raised by the environmentalists, ecologists, conservationists and historians, can be heard a whisper, "Hey, look! We are doing something about it." Such a whisper may be heard these days from officials in Storey County in Northern Nevada. Progress is agonizingly slow and hard won but efforts toward restoration of some of the Comstock's crumbling structures appear to be gaining momentum. A concerned and dedicated group of Storey County citizens has succeeded in creating an Historical Commission with the power to prevent construction which does not conform to rather astringent restoration standards in the immediate vicinity of Virginia City. As a result, all future renovation and new construction in the area will move this well-known tourist attraction a step closer to tastefully authentic restoration.

Current efforts by various independent groups to improve the Virginia City area include plans to restore the V & T Railroad and make it operational between Virginia City and Gold Hill.

These railroad buffs hope to create a museum in the old Gold Hill Depot and display some rolling stock museum pieces on a restored siding. They hope to eventually transport visitors between Carson City and Virginia City aboard the train. Other work scheduled for the area includes construction of a new V & T roundhouse in Virginia City and rebuilding at least one of the missing structures on the main drag.

All who will be drawn to the Comstock in the coming years will owe much to the patient efforts of the few who are devoting so much time and effort toward the current restoration movement. Among these few are Reno architect, Ed Parsons. Ed has not only lent considerable support to the Storey County restoration but has provided effective leadership in saving at least two Reno mansions from demolition. One of these mansions has been relocated and is currently being restored for the edification of the general public.

Symposia readers will remember a number of articles written on Historical Preservation by Ed Parsons who is a former member of our Editorial Board.

The Word? Cooperation!

The Northern Nevada architects are busy demonstrating their resolve to cooperate with others involved in the Construction Industry. Their regular September meeting was held jointly with the Reno Chapter of the Society of Professional Engineers, September 13. In October the Northern Nevada AIA will be meeting with their affiliate chapter in Carson City and with the Las Vegas Chapter in Las Vegas. The Chapter has also scheduled a joint meeting with the AGC in November.

The Nevada Architects Association is holding its second meeting of the year on October 13, in Las Vegas. Jim Prescott, National AIA Director of Governmental Affairs, will meet with that group, again, to measure progress and lend assistance.

new mexico

Safety Awards

The New Mexico Building Branch, Associated General Contractors of America (AGC), has been selected by the National Safety Council, Chicago, Illinois, to receive a 1973 National Association Safety Award.

In a letter to AGC Safety Director David S. Carter on June 20, Howard Pyle, president of the National Safety



Akin to their colleagues in New Mexico (see story below) the Associated General Contractors of Colorado/Building Chapter were awarded the National Safety Council's Association Safety Award for their outstanding program reaching more than 500 construction and construction related firms in Colorado. Shown above R. K. Timothy (left) President of Ma Bell and V. P. of NSC presenting the plaque to James S. Brown (Brown-Schrepperman & Company) President of AGC/C.

Council, formally announced that the New Mexico chapter would receive a plaque in an official presentation. The AGC chapter chose the semi-annual meeting of the Construction Advancement Program in September as the occasion for the presentation.

Judges for the national recognition award came from the American Insurance Association, the American Mutual Insurance Alliance, the American Society of Association Executives, the Chamber of Commerce of the United States. In addition, two members of the judging committee came from the Salt Institute and the National Rural Electric Cooperative Association. Judging was based on the number and types of activities undertaken by the Association as well as noticeable decreases in job-site injuries.

Injuries in construction among AGC members during the year of 1972 were estimated at 14 per million man-hours worked. Training seminars have been conducted for over 400 construction supervisors and over 600 employees for over 12,000 man-hours of safety training during 1972.

Safety activities of the AGC are coordinated through a Safety Committee made up of association members. This year's chairman is Bob Poling of Jack B. Henderson Construction Co., Albuquerque. Poling succeeded Homer Douglas of Building Contractors, Inc., chairman in 1972.

Industry Rallies Round

Joe Boehing reports . . .

The Albuquerque Chapter AIA has joined several other construction type organizations in an effort to help the citizens (kids in particular) of the city. In late July, the kids' petting zoo building in the Albuquerque Zoo burned to the ground while the City firemen were on strike. Many organizations in town have joined together to get this petting zoo rebuilt since there are no City funds available. The Albuquerque Chapter is furnishing the architectural design and final plans at no charge. Local members Jerry Torr and Chan Graham are furnishing most of the manpower for the architects. The response from people all over town has been really encouraging in this project, and the architects were glad to be a part of it.

New Mexico Society News

At the NMS meeting on September 8th, there was considerable discussion in regards to the revising of the AIA recommended fee schedule in New Mexico. Each chapter will discuss this problem before the Society determines what action they will take. Joe Boehing also reports that through the untiring efforts of Charlie Nolan of Alamogordo, the NMS is starting a credit union. Joe says that over 200 employees and employers of New Mexico firms have agreed to participate in this union which will be officially organized at the next Society

meeting slated for November 20th in Albuquerque.

To top off the news from the Land of Enchantment Joe writes . . .

John Reed of Albuquerque has been named by the governor to serve on the New Mexico Board of Examiners for Architects for a term of three years. He replaces John McHugh who served diligently for three terms. John McHugh deserves the thanks of all of us within the profession for his many hours of effort. John Reed is an outstanding selection for the Board. He has won many design awards, and he really has the interests of the profession and the general public at heart.

oregon

Webster Re-Visited

Paul Edlund writes the the Willamette Valley Chapter August CSI meeting developed into a knock-down, no-holds-barred session dealing with field supervision of construction projects. A great crowd showed up to participate in a panel discussion between Owners, Architects, General Contractors, Sub-contractors and City Building Inspectors. Typical of this sort of meeting,

many problems were identified, but only a few were resolved. Everyone left feeling satisfied, however, because each had the opportunity to "vent his own spleen".

Unquestionably the evening's high point came when Jon Berry, the panel's Architect, offered his definition of an Architect . . . it's a wowser!

Definition of an Architect

To the Client/Developer: The necessary evil to get a loan commitment and a building permit.

To School Boards/Other Public Bodies: The sacrificial lamb when bond issues fail.

To the Structural Engineer: An artist at best.

To the Mechanical & Electrical Engineer: One who provides housing for mechanical and electrical equipment.

To the Landscape Architect: The interior designer.

To the Interior Designer: The structural, roofing, and outdoor man.

To the Contractor: The guy who comes on the job on sunny days when things

are slow in the office, and makes a general nuisance of himself.

To the Mechanical and Electrical Sub-contractor: The guy who draws those sheets torn from the front of the set and the guy who puts a door where the light switch is located.

To the Owner/Occupant: The guy who causes inflation; didn't provide all that's 'needed' within the budget; and designed the leaky skylite over the darkroom—the room that didn't get a sink.

To Himself: A much maligned, but oh, so upright an individual who on alternate days wonders what the hell he is doing and thoroughly enjoys his work.

(An Architect buddy of ours remarked after reading this definition that Symposia should re-print it annually in a black ruled box. . . complete with ornamental bow.)

Hanky-Panky!

Bob Wilmsen, our Old Indian up Portland way, has the enviable quality of finding the silver lining. He reported in September . . .

A very important guy in our firm,

IS YOUR JOB BEING HELD UP BECAUSE YOU CANNOT GET ROOF INSULATION?

THEN SWITCH TO ZONOLITE INSULATING CONCRETE

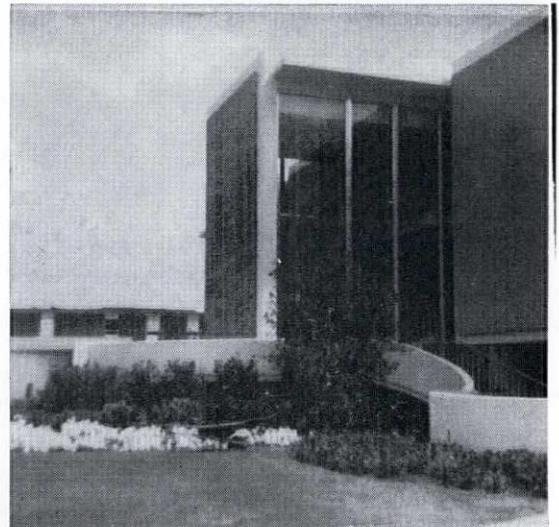
For Further Information:

Call: 303/722-5707 or

Write: 111 South Navajo Street
Denver, Colorado 80223
Bill Dingler



P.S. Great for reroofing too!



Regis College Library

architect: Walter Simon

THOROSEAL

Manufactured by Standard Dry Wall Products

"WATERPROOF"

Masonry and Concrete

"DECORATE"

Smooth or Textured

"PROTECT"

6100 PSI Compressive Strength



FRANCIS J. FISHER, Inc.

24th & Blake Street

303/825-6203

Ken Searl, and his buddy, Gordon Todd, have really got themselves in hot water as a result of a CSI mailer that went out to six hundred members in the Northwest. Although they had nothing to do with the art work, they have received many phone calls from indignant CSI-ers—including one from headquarters in Washington. One secretary for a Portland member, without his knowledge wrote headquarters after seeing what apparently goes on at CSI meetings, requested that her boss be taken off mailing list.

One of the boys in our drafting room, after hearing our Ken Searl answer his umpteenth phone call about the mailer, commented that Ken sure sounded like Nixon and Watergate—"Sure, I'm in charge and take all responsibility, but I didn't have anything to do with all that hanky-panky on the mailer". I'll bet they have the biggest turnout ever.

On the horn, Bob teasingly asked if we were going to print the mailer—we chickened out by explaining that Symposia didn't have a center-fold. Nuff sed.

Benny's Godfather!

A. P. (that's Benny) DiBenedetto who is President of the Oregon Council of Architects put out a newsletter recently which was truly delightful. Prime purpose for the "notes from benny's godfather" was to pass along Council news and a 13 page report on Legislation—1973. Great effort and participation by Oregon architects or as Benny's godfather said:

"Now that the legislative hassle has settled down, my Godfather says to

Please meet Benny's Godfather



give youse guys the word on what's been occurring with O.C.A.

"The Legislative Committee under the good leadership of Loyal Lang and Evelyn Ferris has done a remarkable job keeping abreast of the number of bills introduced. Attached is a list of bills that OCA took stands on and a resume from Evelyn. The Godfather says "Salute" to the following people on the Legislative Committee: Chuck Selig, Jerry Brewster, Jack Annand, Jim Payne, Bill Wilmot, Dave Costa, Jerry Hunter, Phil Patterson, Dick Williams, John Briscoe, Ed MacCollin, Jim Bernhard, Jon Kahananui, and

Lyn Callahan. You did a great job and we plan to keep this group together, working the year around with political people.

"While we are on the subject of politics and legislation, we all feel that it is time for a couple of architects to get into the Legislature. We need representation desperately. So look around among yourselves and let's get a candidate or two on the slate. I'll go so far as to loan out my violin case to the right guys, at no cost!"

utah

CEC/Utah's Welcome Mat!

On 13 September, members of the Consulting Engineers Council/Utah rolled out the red plush for prospective members at a Dinner Meeting at the Ambassador Athletic Club in Salt Lake City. Outstanding speakers were on hand to explain the aims and advantages of belonging to this fine organization. George Poulsen provided the introduction to CEC and Charles Ambrosia of St. Louis outlined the Group Health Plan. Ed Howell of San Francisco talked about Loss Prevention and Limitation of Liability. Utah Engineers Frank Bonell, Hooper Knowlton, Jack Call and Gene Nielsen told of CEC's Effectiveness in Improving the Business and Economic Environment in which we Practice; Jim Kaiserman's topic was Liaison with Government and Charles King's Professional Responsibility. ACEC's President Elect Malcolm Meurer of Denver addressed the group on Legislative and ACEC Activities. With a line-up like that, CEC/Utah should have a lot of new firms joining the team.

Trus Joist

- ★ Open Webs
- ★ Fast Erection
- ★ Lower costs

- ★ Nailable Chords
- ★ Spans to 150 feet

H
SERIES

glos general building service and supply, inc.
1736 boulder street, denver, colo. 80211
phone (303) 458-1736

BUILDERS SERVICE BUREAU, Inc.

DAHL SALES, Inc.

"The Best in Building Products Since 1921"

cating the Specifier for Change". He came complete with "crystal ball" and some rather startling predictions. He began with some interesting questions. . . "Will we have spec writers in the future? — Will we even have specs? Will we prepare documents for construction?"

He looks for not just a "change of clothes" but a change of "form and function". There will be a modified open system . . . of "design by systems" — the use of preengineered and prefabricated major systems coordinated by the designer and the design technology team. Instead of specifiers, there will be systems engineers capable of understanding complex systems . . . the "architectural technologist/generalist, an expert in coordination of systems into the building and secondly the architectural technologist/specialist, the expert in building systems technology serving the building industry process. Educating the specifier", said Professor Wheeler, "will necessarily be reshaped or reformed into educating the systems technologist. His education will be a process of learning systems—their materials



At the Host Chapter Reception during CSI's Grand National . . . (left to right) Keith Bell, Denver and Pikes Peak Chapters; Fearless Leader Atha Lavalett, Pikes Peak; Bob Schmidt, FCSI, Secretary/CSI; Charlette and Delmar Doty, Pikes Peak.

and technology as well as the design and use of systems with the overall building suprasystem." And to conclude, he summarized, "I visualize the specifier of the '70's as slowly evolving into the systems coordinator of the '80's. I visualize the rebirth of a major role for the highly qualified specifier—but I sure hope we don't call him a specifier."

Moderator Larry Fisher in concluding this segment of the program outlined what he felt should be the immediate and ultimate goals in education . . . to work with different associations for the development of construction communications classes and to "bridge the gap" between associations, other institutes and educational institutions. To develop an internship/scholarship or endowment program within each CSI region, and to have a "full time" Administrator of Education Program on the Institute staff. Develop a textbook or guides on teaching specification writing and expand CSI's educational role to embrace the total industry and, last but not least, "We must be concerned with the construction sciences as defined in the Stanford Research Institute report and must prepare Today's Specifier to become Tomorrow's Materials Analyst.

Four separate sessions were held on Tuesday afternoon in which Use of the Manual of Practice (MOP) Documents were discussed. Of general interest were the discussions on the use

of MOP documents in Division 1 with an introduction by Robert L. Pettersson, FCSI, and featuring Ben F. Greenwood, FCSI, and Marvin Martin, CSI. Two excellent "pocket-size" pamphlets were distributed authored by Mr. Martin, one on the use of Division 1 to facilitate administration of the project and the second on the use of Division 1 to control work on products of Divisions 2-16.

Of particular interest to Specifiers meeting in Washington, D.C. were the two discussion periods devoted to the use of MOP for Civil Engineering Projects and for Mechanical and Electrical work. In the May "Predicator", newsletter for the Portland Chapter/CSI, Lee Kilbourn (ye ed) underlined why continuity seems to break down in Divisions 15 and 16. In commenting on these two seminars at the Annual Convention, Lee noted the new emphasis on these two divisions in "The Specifier", and wrote, "In talking in formally with Bob Vansant, FCSI, current national president after the President's banquet Wednesday night, the author learned that consultants were being asked to prepare some of the documents for Divisions 15 and 16. It is hoped that once a few were done, Chapters would accept the initiative and begin to do them on their own."

And, again, our appreciation to these good CSI-ers, Bishop, Perrell and Kilbourn for making this report of Day 2 possible. Thanks a million.

INSIST ON THE GENUINE . . .



RESIDENTIAL AND COMMERCIAL
DOORS AND
ELECTRIC DOOR OPERATORS

By one of the world's largest manufacturers of sectional upward-acting doors.

**Complete Service
& Repair Dept.**

- WOOD
- ALUMINUM
- STEEL
- FIBERGLASS
- ROLLING DOORS
- GRILLES

HORTON AUTOMATICS

HORTON AUTOMATIC ENTRANCES
LOADING DOCK EQUIPMENT
AIRCRAFT HANG-R-DOOR

Installed and Serviced by
Professional Door Men of

**OVERHEAD DOOR CO.
OF DENVER
266-1901**

1365 Rio Court Denver, Colo.

SAVE THE WEST FRONT OF THE U. S. CAPITOL

Tom Muths, Preservation Coordinator/Wyoming and Symposia urge you to contact your Senator or Representative regarding H.R. 6691, the Legislative Appropriations Act of 1974. Urge him to support the provisions relating to the West Front of the U. S. Capitol Building AS CONTAINED IN THE SENATE VERSION of the legislation. Write! Wire! Telephone! DO IT NOW!

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

TARKETT

PVC Sheet Vinyl — Schools and Hospitals
Acoustiflor, Multiflor, Conductiflor
Gymflor, Wallgard

John Kilbey Gaylord Kirksey
INTERNATIONAL SALES SPECIALISTS

400 Osage Street Denver, Colorado
303/623-6662



WATERPROOFING PRODUCTS

Distributed by

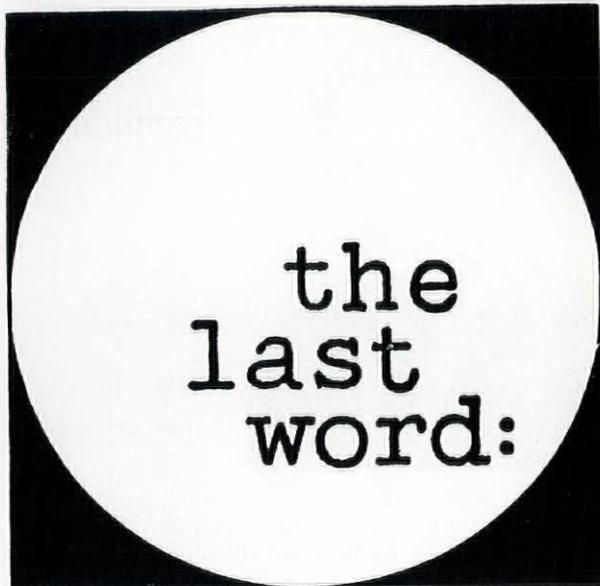
Colorado, New Mexico & Wyoming
SMALLEY & CO. Denver, 744-7289

Arizona
IMPERIAL MASONRY & ENGINEERING CO.
Mesa 969-5333

*a latex of hydrophobic organic resins in water suspension

OKON, INC.

6000 West 13th Avenue (303) 232-3571
Lakewood, Colorado 80214



Gala Opening for the E. B. Jones Construction Company at their handsome new building at 1011 South Huron in Denver. Lots of old friends, delicious "horses dovers" et al made for a happy time. Congratulations, Ed, on a fine new facility!

Portland Architects were given the opportunity to discover what AIA has been doing in Environmental Education on the 18th of September. More on this to come. A great program!

Don Wakefield (Interstate Brick/Utah) was an extra-special visitor at the CMCA meeting in Estes. Don, you will remember, used to was Head Honcho for SCPI in Denver. Incidentally, the Mason Contractors Sixth Summer Seminar was a smash!

Recently installed as President of the Denver Metropolitan Association of Plumbing-Heating-Cooling Contractors is Mr. Richard Crabb. Ceremonies were held in the Central Bank Penthouse atop Brooks Towers.

15-14 was the score when the RNL All Stars beat the Muchow Mud Links in a hard fought soft ball game. Anyone can see that it was a real pitcher's battle. RNL coaches Gene Blauth and Warren Foster credited their success to luck — "It got dark". We are forced to comment that neither Nine would give the Oakland A's much trouble.

David A. Pugh, FAIA, of Portland has been named chairman of the 1974 American Institute of Architects Honor Awards Jury.

Approximately 11 hundred municipal officials, spouses and guests attended the 51st Annual Conference of the Colorado Municipal League at the Broadmoor in Colorado Springs. The new President is Ben Bezoff.

The Arizona Chapter of Producers' Council kicked off a bright new year at Del Webb's Townhouse on September 17th. Dick Salter of the First National Bank discussed lending to contractors, interest rates and a construction forecast for 1974.

Hazel Parker (H. W. Storey Electric Company) was installed on September 12th as President of the Metro Denver Chapter of Women in Construction. Congrats, Hazel!

On 1 September the Phoenix architectural firm of Guirey, Srnka, Arnold and Sprinkle moved to 3122 North 3rd Avenue in Phoenix (85013) Reach them via Ma Bell at 264-0217.

The Spokane Chapter/CSI now meets each second Thursday (except for December, July and August) on top of the Virginia City Motor Hotel. In October, the meeting topic is Carpet Fibers.

Kathy Caldwell, Dr. Ron Helms (C.U.) and Frank Zancanella presented the September 20th program for the Rocky Mountain Section of the Illuminating Engineering Society. The topic: Space Illumination Considerations as viewed by Interior Designer, Architect and Lighting Engineer.

The October 9th meeting of the Portland Chapter/CSI spotlights "Stainless Steel Sheet Metal Applications". Guest speakers will be R. L. Nichols of Republic Street and J. Robert Joy of Washington Steel.



g.a. Talbert, inc.

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



Edward Hanley

C. K. D.

Certified Kitchen Designer

Custom Kitchens

Since 1950

1448 Oneida St.

322-1925

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

Live in the cool fresh world of
Richlawn Quality Sod



Your choice of
NURICH

Grown only by Richlawn

Also Windsor and Merion kentucky bluegrass
Grown by experts . . . Installed by experts



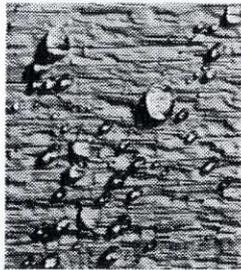
Full Written Guarantee

**Richlawn
Turf Farms**

Denver 771-5611
Colorado Springs 473-5836
Pueblo 473-5836 (Call Collect)

Call us on your next estimate.

Cuprinol[®] stain repels



CUPRINOL Stain and Wood Preservative keeps out water and protects best against rot, mildew discoloration and pigment wash-off. Protection for your home that lasts for years and years.
Now available in ten fresh, new colors.



For detailed specifications call or write

DENVER RESERVE SUPPLY CO.
555 W. 48th Ave. 892-5588
Sold through your local lumber dealer.



The CEC/Utah firm of Mark L. Bryner and Associates have moved to 349 East Ninth South, Salt Lake City (84111) Same phone number - 322-5513.

A concentrated course in the practical techniques of A/E Contracting with the Federal Government will be held October 8-10 in St. Louis. Contact AIA and ACEC offices for further info.

Due to the resignation of Margaret Martinez, Colorado's Architectural Secretaries have a new "fearless". She is Nancy Friesth of Carlisle Guy's office in Colorado Springs.

The Willamette Valley Chapter/CSI said Aloha to Mr. and Mrs. Laurence Perkins at a Polynesian type party recently. The Perkins family has moved to Agana, Guam.

Denver voters put the gold seal of approval on financing for the Regional Transportation District's \$1.56 billion public transit system.

On Thursday, October 11 beginning at 6:30 p.m. in Room #CR, Space 2-26 in the Engineering Building of the C. U. Boulder Campus - a 3 hour seminar on trench and excavation shoring. For further info contact AGC/C at 758-8411.

Mutual Trust

Says Arch e G. Hill, immediate Past-President, Seattle NW Chapter, AGC:

"I continually marvel at the earned trust this industry accepts as normal relations between general and sub-contractors.

"What other industry will accept phone calls by the hundreds a few hours before bid opening, and use and depend upon those telephoned figures (many of them in the tens of thousands of dollars), in totaling their bids? Rarely is the faith misplaced.

"The subcontractor is the real backbone of the Construction Industry. His word is really his bond."

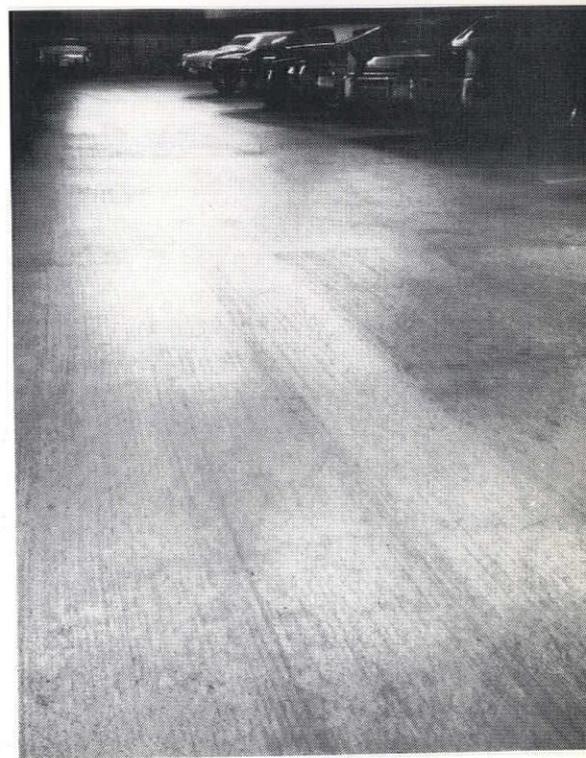


PROMULSION

Positive Protection Against Salt Attack



ARCHITECT: Muchow Associates, Denver, Colorado • ENGINEER: KKBNA Engineers, Denver, Colorado • CONTRACTOR: C. H. Leavell & Co., El Paso - Denver



PROMULSION is an emulsified linseed oil that protects concrete and reinforcing steel from the corrosive effects of salt and other harmful chemicals. **PROMULSION** may be applied as a curing compound immediately after finishing and will then remain as a sealer. **PROMULSION** may also be applied to old concrete as a sealer.

PROMULSION was used on the floors of the recently completed Park Central Project Parking Garage. One building of the complex was completely occupied before a sealer could be applied to the parking deck; therefore, an ordinary concrete sealer could not be

used because of the possibility of toxic fumes entering the offices through the elevators, stairways and ventilating systems. Maximum protection for the concrete from salt attack and ease of maintenance during the life of the sealer was necessary.

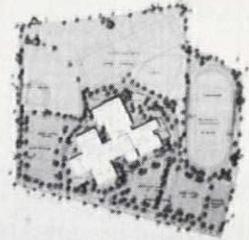
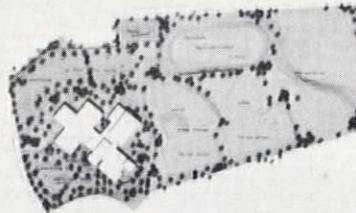
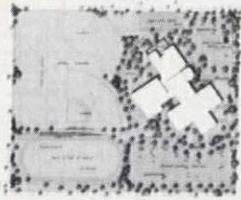
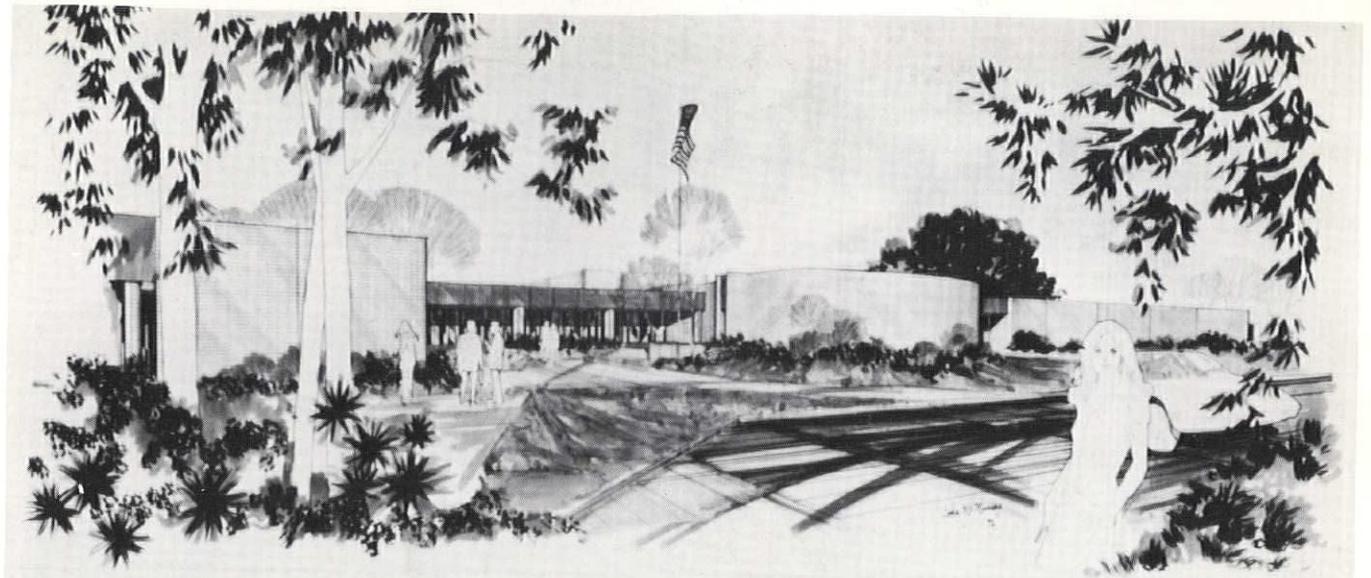
PROMULSION was chosen after an extensive evaluation and investigation into the performance of linseed oil under similar conditions and because it did not produce toxic fumes.

Why don't you investigate **PROMULSION** for your parking garage — or any area exposed to attack from salt and other chemicals? You'll be glad you did!

PROTEX INDUSTRIES INC.
1331 WEST EVANS AVENUE • DENVER, COLORADO 80223 • (303) 935-3566



Our 50th Year



JEFFERSON COUNTY HIGH SCHOOLS

architect: William Blurock & Partners

general contractor: Mead & Mount

Structural Steel
and
All Architectural Metal
by



Zimmerman Architectural Metals Inc.

303 • 893-3123 201 E. 58th Ave. Denver, Colorado 80216

Metal Craftsman Since 1932