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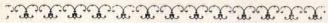


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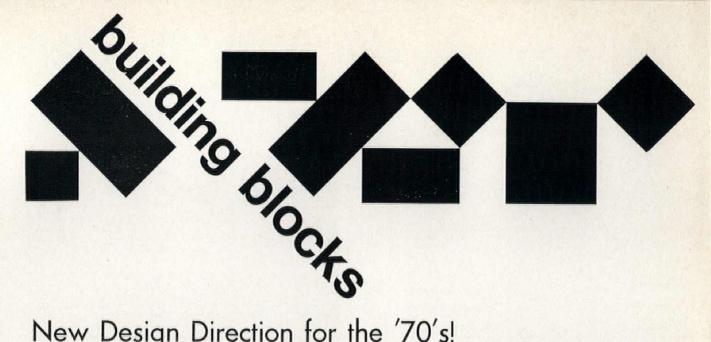


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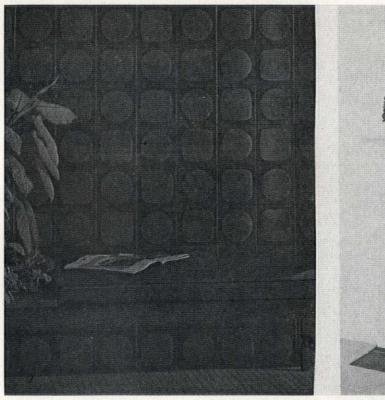
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symposia

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VOLUME 3

NUMBER 2

JULY, 1968

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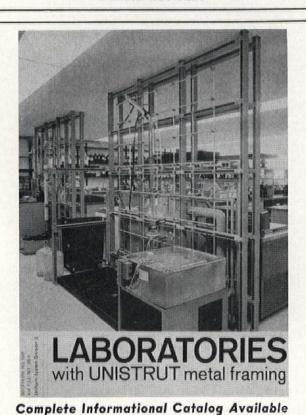
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about the cover

Our cover this month is by way of a passport - yours and ours - to Ireland where John W. McHugh will serve as our guide for a walking tour through Connemara. This delightful journey is accomplished without purchasing or packing, no bad passport pictures or tired feet. Happy vacation!

The Architect . . . and the Profit Margin

The Colorado Chapter/American Institute of Architect's Committee on Services and Fees, headed by Norton Polivnick, has determined several pertinent facts regarding compensation for achitectural services. The mistaken public image of the affluent architect in his ivory tower raking off huge amounts of profit for his work certainly must be dispelled in the light of the realistic facts of the CASE (National AIA Management Study) report, a study instigated by the Institute with certain specifics related to local levels. Findings of Mr. Polivnick's committee determined from this report are:

- (1) Principals' personal compensation is generally lower than that for principals in other professions, such as Consulting Engineers, Surgeons, and Orthodontists.
- (2) Salaries currently paid for somewhat comparable management positions in industry are generally higher than the average earnings of architects.
- (3) Architects today believe that their task is more complex than it was a decade ago, because clients are now expecting more complete services and more sophisticated assistance. In addition, there seem to be more problems in client relations, financial and legal responsibilities and firm administration.
- (4) Architects' direct costs for outside consulting services rose from 1950 to 1966, with a steady increase in indirect spending during this same period. Rates of pay for both technical and indirect employees increased considerably during this time period, at a much more rapid rate than the increase in building costs reported for those years.

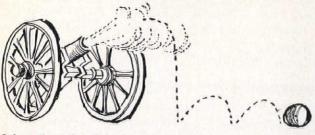
The Colorado architect has become more and more concerned with the reduction of skilled personnel in the technical pool; many have left the area for higher compensation and more attractive conditions offered elsewhere in the country. Local architectural principals have moved their practices to the East where the profit margin is greater or to booming areas in California.

This ability to hold key men in the local area is also related to the dollar value of architectural services. Many offices lost personnel during the past four or five years when a work load could not be maintained because of financing problems within the Building Industry. This same condition is responsible for the lower wage scales within individual offices and the weakened technical pool when the need exists.

The final study, in process by the Colorado Chapter's Services and Fees Committee, hopes to provide answers to the costs of maintaining an office, policies, employee benefits, methods and techniques, and certainly the means of determining better and more equitable methods of compensation for architectural services. An additional need, of course, will be to interpret the Committee's findings to the Construction Public, and to point up the increasing importance of the re-structuring of fees within the profession.

601 S. Jason St.

a symposia salute



TO: Victor Hornbein, FAIA William C. Muchow, FAIA Merritt H. Starkweather, FAIA

Other than the Gold Medal, which may be presented to a single architect from any part of the world, Fellowship in the American Institute of Architects is the highest honor which can be bestowed upon its members. A life-time honor for distinguished contribution to the profession, all Fellows of the Institute have the right to use F.A.I.A. following their names—a symbol of the esteem in which they are held by their peers. It is our great pleasure to present to you the three WMR Architects so honored in 1968.







Mr. Victor Hornbein, principal in the Denver architectural firm of Hornbein and White, has been honored by the Institute for Public Service. His approach to environmental problems is keen, sensitive and scholarly. A member of the Denver Planning Board, he has also served as Chairman of the 1967 Committee on Environmental Design of the Colorado Council on Arts and Humanities. He is a member of the Regional Advisory Panel to the General Services Administration for Region 8.

Mr. Hornbein's designs for The Denver Public Library, the Ross Broadway Branch Library and the Conservatory for the Denver Botanic Gardens have all appeared in national and foreign architectural publications. Symposia would mention (as we have) some of Architect Hornbein's other design triumphs including the Children's Day Care Center at Colorado University Medical Center, and its recently completed adjunct, the John F. Kennedy Child Development Center and B. F. Stolinsky Research Facilities. Mr. Hornbein studied at the Beaux Arts Institute of Design, Atelier Denver.

Symposia Salutes: Victor Hornbein!

Truly a conscientious and gifted member of the profession (and so recently elevated to the dizzying heights of Fellowship), it is still difficult to call him anything but "Bill." A charming and ingratiating personality enhances his fine design ability for which he has been honored. His twenty-seven professional awards include: the Rome prize from the American Academy in Rome; AIA and Sunset Magazine awards for his residence; First Honor Award, Colorado Chapter, AIA, for Washington Park Congregational Church; Award of Excellence, American Institute of Steel Construction, for the First Federal Savings & Loan building; awards for the Engineering Sciences Center at Colorado University, and the First National Bank of Loveland, and first place in the Denver Convention Center Competition.

In common with a surprising number of WMR architects, Bill's B.S. in Architecture is from the University of Illinois. He holds an additional Master's degree in Architecture and Urban Planning from the Cranbrook Academy. He is presently serving the Colorado Chapter/AIA as Secretary. Symposia Salutes: W. C. Muchow!

Mr. Starkweather endeared himself to us immediately when he wrote . . . "I am what might be termed an old-time Architect." And—he certainly has a "long and honorable" to recall. He has been an Architectural principal since 1921 in Tucson, Arizona. A member of the AIA since 1931, Mr. Starkweather with six other members of the profession organized the Arizona Chapter in 1937. He served as President and in many other capacities. Mr. Starkweather might well be considered the "Daddy" of the WMR "way back when."

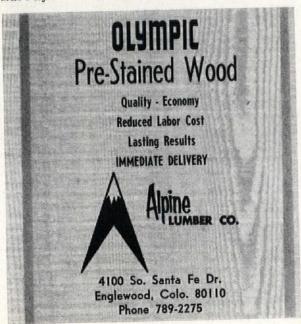
Mr. Starkweather's elevation to Fellowship is for Public Service, and is well deserved. His civic activities are legion . . . President of the Tucson Board of Health, Chairman of the City Planning and Zoning Commission, twenty years on the Rodeo Committee (four as Chairman), Director of the Chamber of Commerce, a charter member of Tucson Kiwanis, a 33rd Degree Scottish Rite Mason . . . We can only run out of space, before Mr. Starkweather runs out of civic service.

Symposia Salutes: Merritt Starkweather!



Aubrey Brelsford, the 1968 President of the Colorado Chapter/AIA, has a wonderful trip scheduled following the National Convention. From Hawaii, he will visit Formosa, Okinawa, Tokyo and Hong Kong returning to Denver about the 1st of August. Our Bon Voyage toast just has to be squeezed from "sour grapes".

Myles (Tony) Murray of Protex Industries is now among the "better read" authors. Tony's article in the May issue of Symposia on "Spec Data" is being reprinted to the tune of 5,000 copies for distribution by the Washington headquarters of the Construction Specifications Institute. Congratulations are in order, Mr. Murray!



Page 8 Symposia/July—1968

Symposia's publisher, Fletcher B.
Trunk was in Detroit on June 22
speaking to the Presidents and Executive Directors of the Plumbing,
Heating and Ventilating Contractors
Association. His subject . . . "New
Image for Industrial Publications."

Eight apprentices were graduated from the four year carpenters apprentice—ship training program and awarded certificates at an Awards Banquet in Albuquerque, June 1. The graduates completed 576 hours of classroom instruction and 8,000 hours of on-the-job training . . . the program administered jointly by representives of the New Mexico Building Branch/AGC and the New Mexico District Council of Carpenters.

Morrison, Maierle and Preator, Consulting Engineers in Utah, have a new office address_it is 2017 East 33rd South in Salt Lake City.

Jim Cushing, our Editorial Board man from Navajo-Land, was the <u>most</u> faithful of Exhibit viewers at the recent CSI/12 Convention in Denver. He managed to get on everybody's mailing list in an effort to bring the material files at Window Rock up to date. With 200 plus Exhibits . . . Jim should have a "storage and retrieval" problem.

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Thanks to a donation of \$1,400,000 from the Green Foundation, the long-sought Graduate and Professional Center at the Colorado School of Mines in Golden, Colorado will become a reality. Designed to fill a variety of needs, the Center is unique in that most of the cost was funded by private donations from individuals and industry. Site preparation began on June 1st. The Ken R. White Company of Denver is architect for the facility which is scheduled for completion sometime in the fall of 1969.

Please note a new address for L and M Building Products. During June, they completed a move to new head-quarters at 4390 South Santa Fe Lane.

Big Event of the Year! Members of the Consulting Engineers Council of Colorado are looking forward to the Annual President's Party on July 19th. To be held this year at Pinehurst Country Club in Denver, there will be golf, the annual Presidents' Recognition banquet, entertainment and dancing. Sounds great!

Ooops! When we received the picture from Arizona State University showing Dean James Elmore, FAIA, accepting a check from the Women's Architectural League, a gentleman was included in the picture. Identified in the enclosed cut-line as Mr. Robert Sexton, he bore no resemblance to that distinguished architect so we omitted him. What we now know is that he was Mr. Dick Arnold, President of the Central Arizona Chapter, and the lovely lady presenting the check was Mrs. Robert Sexton. Isn't it Maxwell Smart who says . . . "Sorry about that!"

The Colorado Chapter/AIA Office in Larimer Square will be closed from June 21 to July 9. The occasion: the AIA National Convention in Portland, Oregon after which Mrs. Barbara Light, AIA's Executive Secretary, will vacation on the West Coast. During the week of the 22nd, Barbara will be "Mother of the Bride", and that makes for a busy summer!



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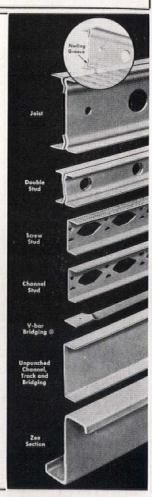
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Jim Barr of CSI "Scope" fame left for Europe on June 28. He will meet his vivacious and charming wife, Jean, in London, and go a-junketing about the Continent for about three weeks. How lucky can you get?

addenda: students awards

(From Joe Boehning, our Editorial Board member in Albuquerque, we now have a complete report on the Student Awards program at the University of New Mexico held May 17th and sponsored by the Alumni and Friends of the Department of Architecture.)

The climax of the Annual Awards Banquet came with the first presentation of the John Gaw Meem Medal for Excellence in Design to Arthur Thomas Torres of Santa Fe. Mr. Torres is the first winner of the Medal which honors John Gaw Meem, FAIA, beloved Santa Fe architect who originated the "Old Santa Fe Style" and designed many buildings on the University campus and throughout the area. Mr. Torres is also the recipient of the AIA Waid Scholarship for graduate study at the University of California at Berkeley where he will work toward his Master's in Environmental Design. An additional Graduate Grant was made to Eugene Dyer who will attend the Massachusetts Institute of Technology.

Five Grants-in-Aid were awarded by the Alumni and Friends of the Department of Architecture to Eugene Dyer for \$1,000; \$200.00 each to Windell H. Kilmer, Paul A. Zielinski and Andrew T. Clawson, and \$100.00 to James C. Sudbury.

Jon Moore was the winner of the ACSA Student Summer Exchange Program (\$1,300.00) presented by the firm of Flatow, Moore, Bryan and Fairburn. A. Thomas Torres and Donald E. Tucker were selected as candidates to compete for the Eaton Yale and Towne Urban Design Fellowship.

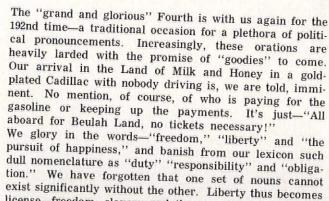
Other Scholarships awarded at the banquet were: AIA (\$350.00) to Roger Lujan; Kinney Brick (\$250.00) to Barbara Ann Kennedy and Josef F. Montequin; Albuquerque Sand and Gravel (\$250.00), Juan F. Rocha; Landscape Magazine (\$100.00), Richard H. Telles; Lumber Merchandisers Association (\$100.00) to John Eden and New Mexico Concrete and Masonry Products (\$50.00) to James Sudbury.

The Reynolds Aluminum Prize in Architecture (\$150.00) was awarded to Miguel G. Guajardo with \$50.00 grants to Richard B. Moeller and Richard R. Ruminski. Faculty Book Awards were made to Donald E. Tucker, Ronald E. Shafer, James H. Brown, Peter J. Lucero, Richard E. Krol.

Ronald E. Eichorn received the AIA Certificate and the AIA School Medal for General Excellence in Architecture. In 1967-'68 the Reynolds Metals Company Invested Fund Dividends of \$250.00 were used for publication of the Building Technology Workshop Bulletin . . . copies of which were sent to the Harvard Conference on Education Innovation for Architectural Technologies, to participating Universities and to various persons requesting copies.

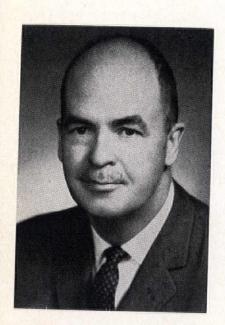
Our Symposia congratulations to all winners are slightly tardy, but doubly sincere!

elevation

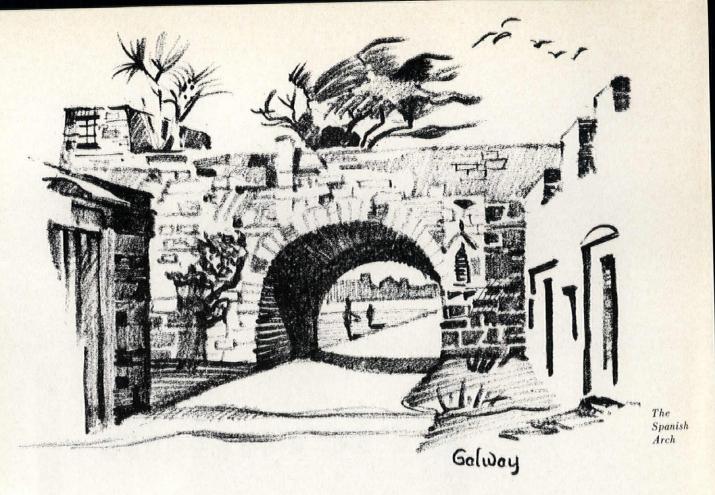


tion." We have forgotten that one set of nouns cannot exist significantly without the other. Liberty thus becomes license—freedom, slavery and the pursuit of happiness a one-way street with not only fiscal but moral bankruptcy lurking in the cul-de-sac.

Words we have-but little action! Committees, Boards and Commissions turn out fact-finding reports like so many sausages . . . and as identical. We have marches, demonstrations, promises and plans. Somewhere, and soon, we must find the courage to break the log jam. We, the members of America's largest industry, have a most particular commitment, an obligation if you will, to the rehabilitation of our urban environment. We would suggest that the job will never be accomplished without uswithout our "know-how," without the dynamic leadership which only this architecture/construction community can supply. Our duty and our responsibility is eminently clear. Obviously the "status quo" will not do! The answer is not political. Politics does not apply in the area of getting things done. That is our Industry's traditional business. Let's get on with it!



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



—a vignette

by John W. ("Himself") McHugh, A.I.A.

Walking Through Connemara

When the urge to go to Connemara strikes you, you must sit quietly and think on it, for it may be one of the important decisions of your life. Once you have walked through the wild and lonely beauty of West Galway, you will never be the same man again. Afterwards at times, a lost look will come into your eyes, and your brain will be full of the wide skies with clouds of dove grey and gold and the moors and the mountains draped with shadows. Some day at a dull meeting in an air-conditioned walnut-panelled conference room, you will hear the cry of the curlew and see the white gulls sweeping in wide circles. The leaping flames of your pinon fire in Cheyenne or Santa Fe will be replaced in your mind's eye by the turf fire with tiny vermillion and blue flames silently converting the peat into white ash as fine as talc. You will find difficulty in treating seriously unimportant details or petty bickering. You will be touched by the magic of Connemara, and your friends will be

draped with the sin of envy from here out. When Aer Lingus set me down at Shannon in my smart American clothes, my haversack contained pajamas, a change of clothing, a camera, toilet articles, sketching material, and a hunk of cheese. I hitch-hiked to Galway City in an amusing variety of vehicles, walking between times, and arrived-appropriately enough-in the rain. Eschewing the more elegant hotels in Eyre Square, I went to Lower Abbeygate Street and there found a tall, rather grim looking hostelry whose stones glistened in the rain, for Galway is a grey limestone city. With its

thick stone walls and timber interior construction, I sup-

posed it was a firetrap, but I cannot imagine anything in

the third floor was immense, with windows looking out over grey houses bristling with chimney pots. The floor had an agreeably hilly quality to it, everything was spotlessly clean, and the price was seven and six. I dropped my haversack and went out into the streets to have a bit of refreshment and to watch a religious procession winding through the downtown area. Shrines with statues and flowers decorated the recesses at the entrances of shops. Little girls in bridal outfits, little boys in their Sunday best, the Holy Name Society, the Knights of Columbus, the Altar Guild, all were squishing soggily yet cheerily enough behind their dripping banners. There is only one way to take the weather in Ireland (or anywhere else), and that is simply to carry out your plans; do in the wet what you would have done in the sunshine, else nothing will ever be accomplished. When the procession was over, I crouched in a deep doorway and knocked off a sketch before holing up in a cozy pub near the waterfront. Here I became reacquainted with Guinness and with the local speech. The brogue isn't so much an accent as an easy, graceful way with a lilting language which is itself a song. I wonder how much of the old Gaelic thought processes come through into the English? For instance, it is not considered polite to say "yes" or "no." When the barkeep asks, "Will you have another pint?." The proper reply is "I will, then," or "I will not." The Irish seem to enjoy the vowel "O", and they stretch it out a bit: "Aye, the grass is green, but it has no groath in it." And the accent frequently falls on the second syllable instead of the first: "bul-DOA-zer," or "pos-TOFF-is." The suffix "een" in Ireland is a diminutive such as "ette" in France. Thus a small pub is a "pubeen," or a little cottage a

something for summer

We are delighted to bring to Symposia readers in this issue, and in August the happy account of a walking tour of Connemara, Ireland beautifully illustrated by the author, Mr. John McHugh, A.I.A., principal in the architectural firm of McHugh and Kidder of Santa Fe, New Mexico. "Himself" is no stranger to Symposia's pages having served as a reporter on several occasions, and he was the recipient of the October, 1966 "Symposia Salute." A man of many gifts and great humor, John takes us on a summer vacation . . . a change of scene and pace well suited to the season.

"coteen." If a boher is a road, then a "bohireen" is a lane. After my companions and I had "put off the desire for eating and drinking" we enjoyed a sometimes outrageous but colorful conversation about Galway. I was told that a writer of great importance described it as "a rank country town spreading out anyhow like spilt drink"; it has no statues to soldiers or politicians, but it does have one to a poet-Padraic O Connaire; that it was responsible for putting the verb "lynch" into the language when a judge of that name personally hanged his son (for murder) before the eyes of a horrified populace; that it is half in this world and half out of it; that it is smelly and dark and draughty, but well comforted by pubs; that is dark-alleyed and riddled with Spanish vices; that the old Claddaugh is gone, "more's the pity"; and that on July 29, 1963, John F. Kennedy was made the ninth Freeman of the city.

So I wouldn't be so conspicuous, the next morning I bought a suit of houndstooth Irish tweed with a cap to match. I repacked my haversack omitting everything but toothbrush, shaving gear, and sketching equipment. Anxious as I was to get out into Connemara, I still took the time to make a sketch of the Spanish Arch, and to inquire about Padraic O Connaire. I learned that when he went to take a British Civil Service test he asked if he might take the examination in the Gaelic language. When the officials agreed, he applied under his Anglicized name, Patrick Conroy. When the exam was finished, and the authorities having not got the Gaelic, they called on a Gaelic scholar, Padraic O Connaire, to correct the papers written by Patrick Conroy!

My hotel had packed a light lunch for me, and at last I set out to walk into Connemara—the place where the world ends. It had turned into a shiny day. The road northward lies between low green hills on the left and dark Lough Corrib on the right. The road was my own, for the British seamen's strike had all but stopped the flow of visitors. Even on the fine road I was aware of the water beneath, for whenever an occasional car did pass me, the pavement would vibrate and bounce on its bog foundations. I passed glistening white cottages with netted thatched roofs set in groves of trees scoured by the wind, and I sketched a few. Some were done in blue with blueing added to the whitewash. After crossing an attractive stone bridge I clambered down to the stream bed to make a sketch of it and found that the waters running out of the bog were the color of a deep and old Burgundy wine. It seemed that whenever I found myself destroyed for thirst, I would sight a welcome pub located, doubtless, after the experience of generations of walkers along this road.

After ranging the countryside for the better part of a day I hove to in Egan's Hotel in Oughterard. It was the time of day when the bar was filled with men in damp and baggy trousers and excellent tweed jackets past their prime talking of nothing but fishing. The cant is as removed from ordinary understanding as is that of city planners, but there was a hale and sporting air about the



When the procession was over, I crouched in a deep doorway and knocked off a sketch before holing up in a cozy pub near the waterfront.



At Aasleigh (pronounced "Ashley"), the fog had lifted enough so that I could see to make a sketch, but it was still misting.

place. I allowed me to drag myself away only on the promise that I would come back in two or three days. My pipe never tasted better than it did that night, and a glass of John Jameson's best seemed to flow directly into the bloodstream. I was comfortably and honorably tired and felt that I could walk another thousand miles. But by the next night I knew that I couldn't walk another ten yards. By mid-afternoon I had almost thrown my haversack away, and my unbidden mind kept conjuring up pictures of Cadillacs, gondolas, DC-9s, and the Super Chiefanything that would convey me from A to B without effort on my part. My feet were nearly destroyed by my handsome American shoes. I threw these away and purchased a pair of black leather moccasin-toed oxfords with rubber soles. This is what was for sale, and I assumed they must be suited to the country, since that's what everybody wore.

In Connemara no one stirs much before ten in the morning, but wild birds and Americans go out in the early dawn. Lying in my little room at the top o' the house, I was awakened by birdsong. This is the very best time to hear the birds; the first experimental notes, rather tentative, and then the full flood of melody. It is delicious to lie there "writhin' in the blankets," as Harry Lauder put it, and to know that you have a full day before you when you can go "skelterin' abroad," free as the air with no appointments, no timetables, and no destination. I would set out with the grace of the morning all about me,

do a couple of miles and a couple of sketches before returning for a proper Irish breakfast: cornflakes, lashings of Limerick bacon, eggs, sausages, fried tomatoes, two sorts of bread, mounds of country butter, three kinds of jam, and tea. Actually I ate only two meals a day, breakfast and high tea, and they were both the same. That, plus occasional pints of Guinness, seemed to be all that I needed.

It was a "soft" day in Leenaun, too wet for sketching, so I walked up to Aasleagh to see the falls at the head of the fjord-like Killary Harbour. Along the way there was nothing to see but fog, and the air full of a minor-key symphony of muted sounds. At Aasleagh the fog had lifted enough so that I could see to make a sketch, but it was still misting. I took off my coat and tied the two sleeves to the branches of a small tree. Then I held the sketch-book under the coat (and me in the rain) and made a pencil and water colour note. I did my best, but it would take a Corot to do justice to the softness of the light in the green-and-silver scene sparked by the pillowy purples of the rhododendrons.

Back in Leenaun I learned that the town across the water on the Mayo side has the longest name in Ireland: Cooneenashkirroogohifrinn, which means "Little Harbour sliding to Hell." After a thin rain in the country and a heavy one in Galway, I met an actual downpour after leaving Leenaun. Farther down the road I visited Kylemore Abbey squatting gloomily above its lake. The

weather improved temporarily, and while I was walking along a shelf road near Letterfrack, I met a young man leading a donkey pulling a cart of peat. Our chance meeting was an opportunity for the two of us to stop and have pipes, and we fell into conversation. "And what ud they be callin' yerself?" he asked. I told him that I was John McHugh from America, and that I was enjoying my holiday. "Why ud an American-thim that are lorrds o' the earth-be destroyin' himself trampin' the back an' beyond of Holy Ireland?" He said that he had seen rich Americans in Jaguars and Cadillacs, but that I was a new experience. I explained to him that he had seen only the poor people in their Cadillacs scurrying about in such a lather and that it was only the wealthy ones who had the leisure to walk and to pass the time of day with the likes of him.

As the sun came out the sky was filled with great floating clouds of many colours and with thousands of rainbows.

It became a day of staggering beauty; the conical shapes of the Twelve Bens in a shimmering blue; golden furze; tumbling trout streams; rocky peninsulas jutting out into the Atlantic; little blue-and-silver pools on the edges of sudden bogs, skies like those in Tiepolo paintings; sometimes grape-blue mountains against a green sky, with the light trembling behind them; stone cottages and little fieldeens surrounded by stone walls—the landscape was as speckled as a piece of Irish tweed. When the twentieth century attacked West Galway it was shattered on the rocks of Connemara, surely, and only little bits seeped through. I had days to enjoy this sort of thing!

(We will rejoin John in August's Symposia in Clifden—to meet "Katie," dine on "cheese, insult and rhubarb pie," in that order, and enjoy the view from the Sky Road.)



Sunset at Leenaun (pronounced "Leenane")

... in New Mexico

A ction is the nswer

On May 14th in Colorado Springs, Colorado, Mr. M. F. Fifield, Director of Physical Plant at the University of New Mexico, addressed the 55th Annual Meeting of the Association of Physical Plant Administrators of Universities and Colleges. His topic: "The Construction Practices Council of New Mexico, Inc.-Its Purpose and Goals." In outlining the inception of CPC-the "Guidelines" thus far promulgated and the future contemplated, Mr. Fifield's fervent enthusiasm was most infectious. He is a man with a cause and he pleads his case convincingly. To encapsulate the CPC story is somewhat difficult, but, in essence, this organization provides all members of the architecture/construction community within New Mexico with an active and working forum. The Council's actual beginnings date back to 1965, but the organization was incorporated and the "Guideline" published in January of 1967. During the plus three years of its existence, Mr. Fifield, the University of New Mexico and an owner's group has carried the ball sharing the time and financial expenditures necessary. (This does not detract in any way from the many manhours spent by other members of the industry in committee work . . . only that Fifield, UNM and the owners assumed the main load of responsibility for the organization.)

Statements have been made (Guideline) on the six original problems selected as those most vital besetting the industry. These were: 1) Pre-Qualification of Contractor; 2) Hold-Harmless Clause; 3) Better Plans, Specifications, and Bid Documents; 4) New Mexico Bid Plan; 5) Bid Depository and 6) Bid Shopping. Although not overly definitive - i.e.: Statement 6 in Guideline, "The practice of 'bid shopping' and 'bid peddling' must be eliminated." This is rather like "evil is bad" or "God is good" - all on the side of the angels, to be sure, but of little help in abolishing the problem. In other areas, concrete progress has been made through the "Guideline" system. Chief benefit, we feel, of CPC has been the introduction of the owner into the discussion of architecture/ construction problems, and a vis-a-vis confrontation between this group and the other elements of the industry.

Following Mr. Fifield's presentation a panel made up of members of the Colorado architecture/construction community stated their views on the Construction Practices Council idea. Summarizing their comments . . .

John Ten Eyck (President, Southeastern Section, Colorado Chapter/AIA): The architect, probably more than any other member of the industry, recognizes the importance of cooperation within the building team. In an increasingly complex situation, the architect feels he has all the responsibility, and he's not getting paid for it . . . the contractor thinks he has more and more responsibility, and his insurance doesn't cover it while the owner believes he is spending all kinds of money and nobody is responsible. The CPC idea is a good one because communications are so vital . . . the goal of all members of the team is exactly the same . . . a good building.

B. H. Baker (National Committee Member/Associated General Contractors): In the present procedure of bidding and building, the general is the one man who knows costs and products but is the last to be called in on the job. CPC represents a duplication of effort . . . for instance, No. 1 Guideline statement regarding indemnification is already covered by agreement between AGC and AIA in A-201 of the General Conditions. Prequalification of subs and bid depositories often put the general contractor at a disadvantage since he wishes to choose his own sub-contractors. Much research is going on at a national level obviating need for CPC.

Walter S. Langebartel (Professional Engineers) feels the development of a CPC in Colorado would be a splendid idea. He thinks such a council might well reactivate such principles as hope, faith and trust upon which the American free enterprise system was founded.

Harold M. Whitney (Southern Colorado Chapter/National Electrical Contractor's Association) praised the evident dedication of Mr. Fifield and the CPC. The electrical contractors would back such an organization in Colorado since it would serve as a catalyst between owners and the industry.

C. Kenneth Kolstad (Consulting Engineers Council / Colorado) called the Construction Practices Council "a noble concept" which by integrating all groups with the owner could elevate the image of the whole industry. Communication and cooperation between all segments of the community has long been the goal of the consulting engineers — and they would support such an effort in Colorado.

Roland Proett (Producers' Council): Although the supplier plays a minor role in much of the procedure under discussion, Mr. Proett felt better communication could effect many savings to the owner. The No. 3 Guideline statement concerning the use of alternates being used to eliminate a particular bidder is good as stated — the use of alternates in the bid document should be a cost-saving factor. He also endorsed No. 5: "Contractors should be encouraged to invite bids only from those sub-contractors and suppliers acceptable to them."

Richard C. Dearing (Mechanical Contractors) expressed his belief in the basic structure of CPC—certainly, it is oriented to the bidding procedure. Such a council should provide a platform for compromise and effective action. Since everybody has problems, he stated, an exchange of views should help . . . and owner-participation is the key to success.

The concensus of opinion expressed by the panel was generally one of approval with only the general contractor expressing doubt as to the need for such a Construction Practices Council. This "discouraging word" in the chorus of approval might well foredoom any effort to bring into being such a council in Colorado since the general contractor plays a major part in the bidding area which is often fraught with problems and disagreements.

Symposia would like to encourage all members of the architecture/construction community to consider the formation of a Construction Practices Council within their own areas. We would appreciate further comment on the feasibility of such groups, and expressions of opinion concerning the value of such an endeavor to the industry. Action is the answer in New Mexico. Can such action be the answer elsewhere? Simply address your opinions, comments, etc., to The Editor/Symposia, 4070 Estes Street, Wheat Ridge, Colorado 80033.

(Since many of our readers maintain a complete file of Symposia, for further information, we would call your attention to the article: "The New Mexico Answer—Guideline" on page 21 of the April, 1967 issue.)

"Challenges to the Western Engineer"



Five-State Regional Engineering Conference Park City, Utah July 19-20, 1968

(A Conference being held in conjunction with the CEC/US Executive Committee Mee'ings. Executives in attendance: John G. Reutter, President; Art V. Maxwell, President-Elect; John A. DeWild, Vice-President; Lloyd K. Clark, Vice-President; Nat P. Turner, Vice-President; William N. Holway, Secretary-Treasurer; Donald A. Buzzell, Executive Director and Larry N. Spiller, Assistant Director.)

All events at the C'est Bon Hotel-Park City, Utah

FRIDAY, JULY 19

8:00 A.M.: REGISTRATION

8:30 A.M.: KEYNOTE BREAKFAST

Welcome: David H. Curtis, President,

CEC/Utah

Address: Art V. Maxwell, President-Elect,

CEC/US

9:30 A.M.: WORKSHOP

The Operation and Administration of the

Engineering Office

Conducted by: E. G. Counselman, D'Orsey

Hurst and Company, New York Management

Consultants

COFFEE BREAK

11:00 A.M.: WORKSHOP

Legislation Aims and Accomplishments

Conducted by: John G. Reutter, President,

CEC/US and Larry Spiller, Assistant Direc-

tor, CEC/US

12:30 P.M.: LUNCH (Individual)

1:30 P.M.: GOLF TOURNAMENT (9 holes—Callaway

System of Handicapping will be used)

5:30 P.M.: SOCIAL HOUR (Sponsored by CEC/Utah

Firms)

6:30 P.M.: BUFFET DINNER

SATURDAY, JULY 20

8:00 A.M.: BREAKFAST (Individual) 9:00 A.M.: WORKSHOP SESSIONS—

1) Federal Aid Programs . . . 2) Interpro-

fessional Problems . . . 3) The Competition Problem from government, utilities, manu-

facturers and free engineering . . . 4) The Land Surveyor's Role in Professional Prac-

tice.



KEYNOTES MEETING Art V. Maxwell, President-Elect Consulting Engineers Council/USA

12:00 NOON: LUNCH

Address: Donald A. Buzzell, Executive Direc-

tor, CEC/US.

1:30 P.M.: TRADING POST SESSIONS

1) Problems in Civil Engineering Practice

. . . 2) Architect Relations

2:45 P.M.: TRADING POST SESSIONS

1) Safety . . . 2) Legal Aspects of Consulting

Engineer Relations with Contractors

Conducted by: Edward W. Clyde, Clyde, Mecham & Pratt-Vice Chairman, Board of

Regents, University of Utah

4:00 P.M.: OPEN TIME

5:30 P.M.: SOCIAL HOUR (Sponsored by CEC/Utah

firms)

6:30 P.M.: DINNER

Address: John G. Reutter, President, CEC/

TIS

COMMITTEE FOR THE CONFERENCE

David H. Curtis, Clarence C. Bush, Mark L. Bryner, Charles V. King, F. Cyrus Bates, H. Eugene Nielsen, Art V. Maxwell, James W. Hamlett, Jack Call, J. Dean Hill, Hooper Knowlton, Sigurd Blomquist, Lawrence E. Alsup and George Toland.

FOR YOUR FAMILY:

On Saturday, July 20, transportation to Salt Lake City will be provided so they may enjoy trips to the Kennecott Copper Pit, LDS Tourist Center and Temple Square or a shopping expedition in Salt Lake City.

Communications Implementation

Systems

Keynote for the 12th Annual Convention of the Construction Specifications Institute was sounded by Publisher David J. McGrath (Engineering News-Record). In his survey of "Horizons-Tomorrow and Beyond," he presented a number of facts which auger well for the dollar value of future construction. "There is currently," he said, "more than \$180 billion worth of construction on the drawing boards . . . of this, two-thirds or about \$120 billion represents buildings."

This huge backlog is due to financing difficulties, the Vietnam war and spiraling construction costs. Any change in these areas could easily boost building to annual gains of 10% or better. Mr. McGrath still optimistically looked for 5% gains in building in 1968-69 . . . the growth centered on office buildings, airports, college and university buildings, hospitals and nursing homes. His prediction was for change . . . "The City, or as it's euphemistically referred to, the saving of cities, which implies their rebuilding, is the greatest single challenge facing this country today. It is a moral challenge, an economic challenge, a social challenge and a political challenge."

Pinpointing the obstacles, McGrath named four which have long hindered progress in the industry . . . 1) Obsolete building codes, 2) Restrictive union labor practices, 3) Design inertia and 4) Building industry fragmentation. Governmental pressure to solve or get around these obstacles will continue to increase and both AGC leaders and the Kaiser Committee strongly favor changes in discriminatory practices within construction unions, and a change in the apprenticeship and hiring policies at the

Which way, America? Which way, America? Which way to go?



local level which create and perpetuate artificial shortages in the skilled trades.

Mr. McGrath feels the pressing need for low-cost housing makes changes in building codes mandatory, and the great growth of systems engineering and package builders will break down the designer's inertia. All will serve to bring about closer cooperation within the industry . . . "if not by choice, then by necessity."

He cited the success of the mobile home industry in producing low cost housing, and the increasing interest being taken in this market by manufacturers. HUD's "In-City Experimental Housing Research and Development Program" has awarded contracts totaling \$1 million to Building Systems Development (San Francisco), ABT Associates (Cambridge), with Daniel Mann Johnson and Mendenhall (Los Angeles) and Westinghouse Electric (Pittsburgh). As a further delineation of the handwriting on the wall, Mr. McGrath named the Westinghouse in-city consultants . . . United States Steel, American Plywood, Portland Cement Association, U.S. Gypsum, the NAHB and the Urban League . . . "a powerful industrial conglomerate." ICED (Interprofessional Commission on Environmental Design) brings together construction's design professionals . . . an affirmative action group seeking out ways and means of bringing about interprofessional collaboration. Cooperation is certain to be hastened by the pressures within the city itself.

Mr. McGrath promises construction growth and construction change . . . concluding with: "All in construction - including its specifiers as well as designers and constructors - will adThe keynote word was "change" - a word which CSI members were to hear again and again throughout the

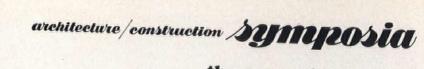
just to this change . . . or else!"

speeches, seminars and presentations. Dr. M. J. Horsch (Giffels and Rosetti, Inc.), speaking on the "New Language for Specifiers" pointed out that the new language of specifications is simply following the change in concept and that technological advances have removed routine work and much repetitive writing. The development of the master specification is on the way . . . indeed, it has arrived in many large offices, and the words "about," "approximately" are no longer valid . . . exact definitions must be used today. Dr. Horsch concluded that CSI must play the leading role in the re-education of the total industry, that automation is the tool that frees the

The concluding address at the Monday afternoon session was delivered by Charles R. Carroll, Jr., FCSI, treasurer of the institute. His topic, "CSI and Research" underlined the fact that the New Era in Specification Writing has actually begun: that fantastic pressures both within and without the industry have forced us to a state of "near emergency." He cited many areas where the "systems approach" is already out-dating conventional construction methods.

specifier for a better job!

After sounding the "tocsin," Mr. Carroll went on to emphasize the gains made by CSI in its twenty years of serving as a forum for the industry, and for the CSI Research Foundation now embarked on an explicit program which will move specification writing from the "horse and buggy" (cut and patch method) era to Automation Level Five (through Master



the symposia summary



Construction Specifications Institute

12th Annual Convention May 27-29/Denver, Colorado

Specification and Material Selection Process Barrier).

In summation, Mr. Carroll stated: "Without predicting the future, most of the components for Level 5 Technology already exist. The gap separating us from the future is the philosophy, the point of view we must adopt to use the components to their full capacity."

CSI members were at work by 8:00 a.m. on Tuesday morning for a panel presentation on "Automated Methods of Specifications" moderated by Edwin W. Barnard, Jr. (Barnard and Associates), Brawley M. King (Caudill, Rowlett and Scott), and William R. Eades, Jr. (William W. Bond, Jr. and Associates) outlined systems of automated specifications in practical use in their particular type of practice. The computer concepts discussed fall in the area between Level III and Level IV (Stanford Research Institute survey), and indicated the state of art in larger professional offices at present.

This down-to-earth report provided a general guide line to the future for the specification writers present, and a forecast for the future. As Mr. Barnard said. "The specification writer of tomorrow will be using all means of information storage and retrieval in specification writing procedures he can conceive. When he steps on his stage up to his specification writing machine, which automatically produces that 250-page specification with the manipulation of certain knobs, controls, buttons, in full view of the audience, such as in an operating amphitheater, who may be owners, contractors, etc. Then will the magic of automation be at its fullest."

Robert E. Vansant (Black and Veatch) discussed "Engineering Specifications-Current Practices and the Transition to the Future." Mr. Vansant spoke searchingly on "Performance Specifications"; pointing out the lack of suitable test methods, the greatest weakness of this approach. He also discussed modular design, stating that sterility is largely the result of lack of imagination rather than of modular design in itself. Engineering specifications, Mr. Vansant said, are being developed for making technical decisions and communicating them . . . concluding, "The really important question is 'are you preparing for the future fast enough?"" Both present and future were given in-depth coverage during the Tuesday afternoon sessions when four separate presentations were scheduled. Charles E. Diehl (Stanford Research Institute) and Dean Brown (Systems Engineering Laboratory) made definitive predictions on the use of automated specifications and the necessity for developing such automated methods for the storage and retrieval of specifying information. The years ahead were given further treatment by Professor Gifford H. Albright and Professor Larry Degelman of Pennsylvania State University during a discussion of "Specifications and the Accelerating Technology."

Moderating the panel on "Reference Workmanship Specifications" was Larry C. Dean, CSI (Director, Region 4). Louis H. Sams (Jones & Fellers), Charles J. Huckleberry, FCSI (MidSouth Manufacturing Co.), J. D. McFarlan, FCSI (Robert & Company

Associates), Ray E. Cumrine (Sharp and Handren) and L. E. Atkins, Jr., FCSI (Woody Atkins Associates) supported the need for the expansion of CSI programs, most particularly the importance of a more efficient, faster retrieval system.

The pressing and immediate problem of the "Enforcement of Specifications" was moderated by Rogers E. George, Jr. (Grove Diamond Associates, Inc.) and brought CSI members the views of John H. Schruben (Skidmore, Owings and Merrill) and Attorney B. Warren Hart of Moore, Costello and Hart. This panel was of particular interest because it touched so frequently that most sensitive area of "who gets sued - and why?" Mr. Hart, who is both witty and wise, pointed out multiple pitfalls in the path of the design professional, particularly the over-enthusiastic specification writer.

The 8:00 a.m. session on Wednesday morning featured President (now Immediate-Past) John C. Anderson, FCSI, who spoke to institute members on "Institute Organization Policies and Practices," followed by a discussion of "The Building Systems Concept" which featured Peter Kastl (Building Systems Development, Inc.) and David S. Miller (E. F. Hauserman Company). This meeting provided CSI members with a graphic picture of what the building systems role is and will be in the construction industry.

The annual meeting of the institute concluded formal sessions during Wednesday afternoon when members heard officer reports, took care of the resolutions and made awards presentations.



Often a single picture is so significant it can tell the whole story. The above is our choice for the CSI/12. The setting, of course, the Host Chapter Party "Night at the Frontier" . . . held in one of the Exhibition Buildings at the Denver Stockyards. Our Cast—two particularly charming couples who met quite by chance and who more than represent the national scope of the 102 Chapters of the Construction Specifications Institute. Coincidentally, they are from Portland—Mr. and Mrs. Deane Smith on the left from Portland, Oregon—on the right: Mr. and Mrs.

Robert Armitage from Portland, Maine. To carry this study in togetherness even further—Mr. Smith is a Contractor—Mr. Armitage is an Architect. This happy liaison of four people profoundly expresses, Symposia believes, the splendid job the Institute has done in bringing together all members of the architecture/construction community within the common framework of providing a better way of not only writing good specifications, but communicating to solve the problems of America's largest industry.

awards . awards . awards . awards . awards

In conjunction with the national convention each year, the Construction Specifications Institute holds a competition to acknowledge outstanding construction specifications throughout the United States and Canada. From the over two hundred entries this year . . . we would salute RICHARD C. PERRELL. Chief Specification Writer in the office of John Schotanus, Jr., AIA, Phoenix, Arizona. Mr. Perrell's winning citation was . . .

FIRST PLACE AWARD-CATEGORY 'C'-for the J. C.

Penney Co. store, Park Central Shopping Center, Phoenix. (This building, nearing completion, will be Penney's largest retail outlet in the United States.)

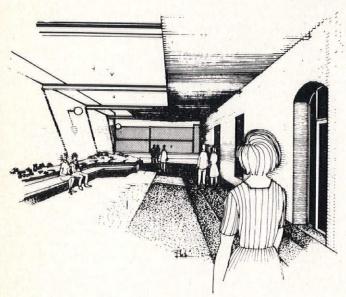
Mr. Perrell is becoming something of a perennial winner in the Spec Writing Sweepstakes . . . his 1968 Award is the fourth in the past three years. He is a Past President of the Phoenix Chapter, and serves on the Institute's sixman Technical Program Committee which is responsible for the development of CSI's Technical Program among its plus 10,000 members.



Lots of smiling faces as John Anderson, FCSI, hands out awards at the Wednesday afternoon Annual Meeting of the Institute. From left to right: H. Maynard Blumer, 1967-'68 President of the Phoenix Chapter, accepts the Award for Best Technical Program; Warren Edminster, 1968-'69 President of the Tucson Chapter, takes home the laurels for "Tucson Topics," the Most Improved Chapter Newsletter, and O. James ("Jim") Barr, "Scope" Editor, Denver Chapter, happily accepts the "Best Newsletter" Award. Symposia congrats to these three outstanding Chapters in our Region!

architecture construction

(We have long considered the south-western Colorado town of Grand Junction as an outstanding example in solving environmental problems at a grass-roots level. In the construction of their "Shopping Park," they led the nation in Main Street Urban Renewal — demonstrating what one community, unaided by Federal or State Funds, can do to create a new and viable Small Town-Down Town. As a continuation of the original project, Grand Junction is providing off-street parking areas and connecting them with Main Street shopping through arcades. The architectural firm of Hightower-Chambliss in Grand Junction provides us with a further report on the continued progress of "Operation Foresight.")



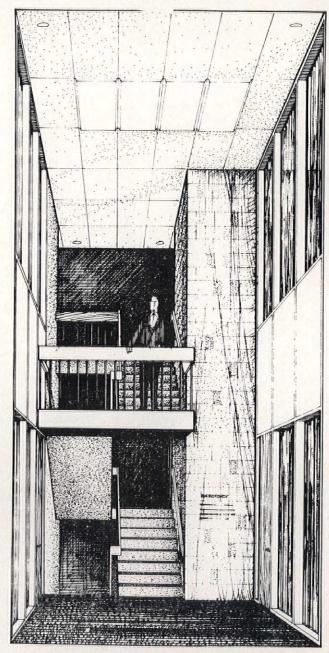
Perspective of the Arcade looking south toward the parking areas.

by D. Blake Chambliss, AIA

The delay on the information on the newly constructed Arcade in Grand Junction is due to the inclusion of a separate but related project which was completed in May. The remodeling of the adjacent building, by W. E. Wyllie, into offices, with an entrance opening off the Arcade makes the Arcade itself much more significant. The purchase by the Arcade owners, the United States Bank of Grand Junction, of all but one lot of the entire south half of the block for their future development is also a substantial boost to the continuation of Grand Junction's downtown development . . . entirely by private individuals.

The Arcade itself was constructed by Lyall Coulter for the United States Bank of Grand Junction at a cost of \$14,000.00 and was completed November 1, 1967. It connects the parking lots constructed by the Bank on Colorado Avenue with direct access to Main Street.

The newly completed Arcade Building was built by William F. Harwood, Inc.; the mechanical contractor was Mt. Garfield Plumbing and the electrical contractor—Kendall Electric. The project cost (cost plus contract) was estimated at approximately \$48,000.00. Architects, of course, are Hightower-Chambliss, Grand Junction.



The impressive two-level entry off the Arcade in the newly remodeled Wyllie Building.

In re:—Industry's Place in Urban O-year-old row Rehabilitation

by D. J. Morgan

Armstrong Cork Company

A newly renovated 70-year-old row house in the heart of Philadelphia's North Central tenament district today stands as a working example of what can be done to reduce America's estimated 15 million substandard housing units from the ravages of blight, and return them to habitable living units. Back in January of 1967, the aging three-story tenement at 2012 Diamond Street, North Philadelphia, was a shambles of crumbling plaster, broken floors, sagging ceilings and shattered glass. Plumbing fixtures had been ripped from their mountings by vandals and smashed to bits. Debris and trash lay everywhere. The building stood vacant and practically worthless, unable to meet even minimum living standards.

Today, 2012 Diamond Street has a brand new lease on life. Through the effort of the Armstrong Cork Company and Hertzfeld & Horowitz Associates, Philadelphia builders, the once dilapidated structure has been converted into a modern, completely equipped apartment building offering attractive, decent accommodations for three low-income Philadelphia families.

Armstrong, a leading manufacturer of resilient flooring, acoustical ceilings and other building products, undertook the project principally as an experiment to gain first-hand knowledge of the slum rehabilitation market. There was an additional reason for the undertaking; an attempt to show that private enterprise could do the job at least as effectively and probably more effectively and efficiently than if it were to be left completely in the hands of a Governmental Agency. A third factor involving this rehabilitation project was a feeling that American industry has a responsibility in helping to correct the blighted situation that prevails in so many of our American communities. The entire transformation was accomplished in slightly over four months at an approximate cost of \$11,500 per apartment unit. This is roughtly half the time and cost that would have been required to raze the structure and rebuild from the ground up. Not only was there a saving in time and money, but there was a saving for the whole general area-a retention of some of the charm and beauty that once abounded on Diamond Street in North Philadelphia. Armstrong's aim was to locate a substandard housing unit characteristic of those found in any large urban area, renovate it from top to bottom using their products wherever possible, and then offer it for sale. A detailed written and photographic record was to be kept on each stage of the renovation process.

Of 30 potential buildings considered, the Diamond Street property was selected as the most typical from the standpoint of size, layout and condition. The structure is approximately 20 feet wide, 70 feet deep, and is one of a block-long row of masonry houses built about the turn of the century. Although badly deteriorated inside, the front and rear walls and the fire walls of the building were sound and needed little basic repair. Inspection also revealed that about 60 percent of the original ceiling and floor joists could be retained intact.

The property was leased late in the Fall of 1966 from its owner-the Philadelphia Housing Development Corporation - and Architect S. Sherwin Rochlis of Philadelphia was commissioned to prepare the plans and specifications. Hertzfeld & Horowitz Associates, prime contractor for the Smith Kline & French pharmaceutical firm's slum rehabilitation project on Philadelphia's North side, was selected to do the work. Hertzfeld & Horowitz has had considerable experience in usedhome rehabilitation, and enjoys a national reputation for its creative approach to urban slum renewal problems.

The interior of 2012 Diamond Street was completely gutted and rebuilt in-

At the top, a typical room in the Diamond Street Building before rehabilitation. The charred framing member at the left was caused by a minor fire. The middle picture shows the central hallway of the original single-family home. Vandalism and deterioration reached an all-time high here. At the bottom: first stage of Armstrong renovation. Here workmen shovel debris out the front windows to a waiting truck below. The demolition involved removal of all interior partitions and ceilings.

symposia . . . the urban environment

to three separate apartment units of approximately 1,300 square feet each. One apartment occupies the entire first floor, while the remaining two were split vertically between the second and third floors. This vertical stacking arrangement eliminates the need for a third-floor walkup, and provides tenants with many of the advantages of a two-story home.

All electric wiring and plumbing in the building is new, and each apartment unit has its own gas-fired warm air heating system. Windows are conventional double-hung units of stock sizes, installed for the most part in the original frames. Interior walls are rock lath and plaster, except for the party walls which employ metal lath and plaster.

Each apartment has a modern kitchen equipped with enameled steel sink, ample counter space, and birch cabinets. Dining space is provided in each kitchen. Baths are located as close as possible to the kitchens for plumbing economy, and feature modern facilities.

The original plan for the Diamond Street project was to salvage what was possible of the existing interior, and add new equipment as needed. Armstrong found, however, that it was actually cheaper and faster to gut the building and rebuilt the interior from scratch. Not only could work crews be scheduled on a more economical basis, but it was also possible—starting from an empty shell—to employ some of the latest construction techniques and materials to hold down costs.

Prefabricated stairways, for example, have been used throughout the building. These proved 30 percent cheaper to install than conventional stairs, and provided maximum flexibility of interior layout. New chimneys have also been constructed of prefabricated sections, resulting in additional savings of \$500.00.

Many Armstrong products, both existing and experimental, have been

used in the Diamond Street project as interior finish materials.

Ceilings in all areas except the baths and kit thens use the Company's incombustible acoustical tile products, installed in a concealed mechanical suspension system. Kitchen and bath ceilings are constructed of a new ceramic acoustical material, called Armstrong Ceramaguard, which is specially formulated to resist mois-Armstrong Gridmate Light Fixtures are installed in all kitchen areas.

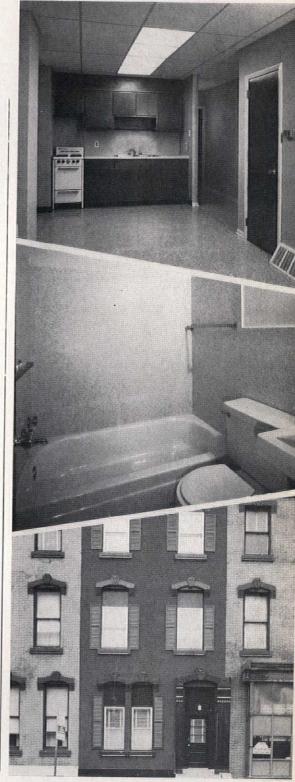
The suspended ceilings proved more practical and less expensive to install than plaster due to the fact that no elaborate "framing in" was required. The ceiling suspension systems were simply hung on wires from the original 11-foot-high joists, creating a new ceiling height of eight feet. The prefinished acoustical panels provide a combination of insulation, sound control and decoration, and require practically no maintenance.

Five types of flooring (Armstrong—of course) have been used in the Diamond Street project.

Armstrong retained possession of 2012 Diamond Street for a limited period, during which time the property was open for inspection to builders, real estate developers, architects, city and government agencies, the press and the general public.

Following this open house period, the lease was returned to the Philadelphia Housing Development Corporation and the building was sold. It now provides very adequate housing for three low-income Philadelphia families.

This is one small example of what a far-thinking manufacturer has attempted to do in both learning about the utilization of his products in this vast untapped market of substandard housing, as well as an attempt by industry rather than government, to provide the necessary leadership in helping us improve this blight on American society, the city ghetto.



After face lifting—the kitchen in the Diamond Street project shown at the top is equipped with gas range, wood cabinets, stainless steel sink and vinyl countertops. The suspended ceiling incorporates modern recessed lighting. In the middle: the handsome new bathroom—the experimental Armstrong Floor/Wall System provides a virtually seamless surface. The picture at the bottom is of the remodeled exterior at 2012 Diamond Street, now the home of three families at low-income rental.



coming—coming—coming architect • in action!

Seventeenth Conference/Western Mountain Region American Institute of Architects September 18-21, 1968/Salt Lake City, Utah



Sidney W. Little, FAIA Director. Western Mountain Region



The Chef Frederick Montmorency, AIA Salt Lake City, Utah

No one in the Western Mountain Region is more qualified by position and experience to sound the Call to the "Architect in Action" than urbane and charming Dean Sidney W. Little, FAIA. Salt Lake City, Utah is the site of the 1968 Western Mountain Regional Conference—September 18 through the 21st—an "ideal time of year," Dean Little states, "to visit Utah country." His message to all architects of the Western Mountain Region is . . .

Greater emphasis each year is being placed on the importance of Regional A.I.A. Meetings and it is not amiss to strongly urge each member of our own regional group to attend the Western Mountain Conference. I think you will find that more real institute policy is now being set and more grassroots problems solved at Regional level than ever before. Some current matters are of vital importance to the future of the profession.

In view of this, I have been looking with considerable care at the preliminary schedule of events for the Salt Lake City conclave. When you review the program I think you too will undoubtedly agree that the broad selection of topics is both timely and provocative. Such matters as the implication to be found in the "Case Study;" in the costs of practice; computer use for the smaller offices; public relations for the individual practitioner; and several others are already on the menu and they will be conducted by correspondingly knowledgeable speakers of national reputation. There are also scheduled plenty of "fun-times" interspersed with the more serious portions of the conference. These are arranged for both the architects and their ladies. All our previous meetings have been well worthwhile but 1968 looks now as though it probably will top them all.

The Chef in Charge of this year's "Carte" is Frederick Montmorency, Immediate Past President of the Utah Chapter/American Institute of Architects. His committees have been long at work to produce an array of events to "set before a King." Cooking on the Front Burner, at the moment, we have . . .

le aperitif

An Opening Night Event so "chi-chi" and so "hush-hush" that only the Committee arranging this social "tour de force" knows! Their prediction . . . "It will rival or surpass Mrs. Hurley's Gala in Santa Fe or the famed power house ball." No WMR architect is going to miss this! The date-September 18.

les entrees

Many and substantial . . . the opening session on September 19 will be devoted to Public Relations for the Architect. The speakers will be: Elmer A. Lundberg, AIA, Director of Architectural Liaison for the Pittsburgh Plate Glass Company—he is also a Past President of Producers' Council. William F. Geddis of "The Architects Collaborative," Boston, Massachusetts.

The Noon Luncheon on this date will be held jointly with the Chamber of Commerce, and the Kiwanis Club of Salt Lake City . . . a demonstration of public relations techniques. The speaker, as yet unannounced, will point up the vital role played by "The Architect in Action" in his community. The September 19 afternoon session will underline "Design Concepts." The careful planning and selection of projects to be presented promises a stimu-

lating and worthwhile program.

Six (6) Authorities will be on hand on the morning of September 20th to explore the rapidly advancing use of the computer sciences in the practice of architecture. As an example of this "Now, It's With Us" method - a comprehensive design program will be outlined which would permit an architect to ultimately carry a building from schematic design through construction documents without the use of paper.

The forenoon seminar scheduled for September 21 will feature a presentation on "How to Profitably Practice Architecture." The speaker will be Dr. Charles J. Marsh of Case and Company, San Francisco . . . using material developed by this nationally noted management firm for the American Institute of Architects.

The Regional Business meeting is scheduled for the afternoon of September 21st.

la salade

The canny planning of Chef Montmorency's committee includes the always delightful "Architects at Home" parties on the evening of September 19th . . . this is a pre-registrants privilege, and one which most WMR architects and their ladies are loath to forego.

The afternoon and evening of September 20th will be spent in the historic and delightful community of Park City. A summer/winter resort, Park City combines the best of the traditional West and the contemporary. The Ladies will enjoy an enclosed gondola ride to the Summit House for luncheon . . . architects are free to golf, browse or shop talk. The evening is free to sample the delights of the many Park City restaurants and the "Meller-

le dessert

A Luncheon for the Ladies on September 21 will headline Elisabeth Kendall Thompson, F.A.I.A., whose attractions as a speaker need no eulogy. Since the luncheon for this date is "open" for the architects . . . it would not be surprising to find many of them clamoring to "be included."

The next Conference Bulletin will outline the ground rules for this year's AIA Regional Design Competition . . . awards, as always, will be presented at the Banquet which will conclude and climax the 1968 WMR Conference. The cocktail reception on the evening of the 21st of September is sponsored by the Producers' Council, and the Banquet Speaker will be no less than immediate Past President of the American Institute of Architects, Mr. Robert L. Durham, FAIA, of Seattle, Washington.

As a footnote, we would only add that the headquarters for the "Architect in Action" will be the Hotel Utah-a most gracious and noted hostelry. We believe all WMR architects will agree that the menu is most appetizing, and more than "de rigeur" for all AIA members. The red circle around September 18, 19, 20 and 21 should be made now on all AIA calendars!

a symposia series

Introducing: architecture/construction leaders

TAKE ME TO YOUR LEADER

COLORADO



William H. Hawes, President Consulting Engineers Council/Colorado

Personable Bill Hawes has recently taken over as President of the Consulting Engineers Council/Colorado heading up a fine team which includes Ken Wright as President-Elect; Fred Rink, Vice President; Sol Flax as Secretary-Treasurer and William Clevenger as National Director. Since 1960, Mr. Hawes has been a principal in the Consulting firm of Andersen, Koerwitz and Hawes of Denver. He received his Bachelor's degree in Civil Engineering from A. and M. College of Texas in 1949, his Master's in 1956 from the University of Colorado. He is a member of the American Society of Civil Engineers, the National Society of Professional Engineers and Tau Beta Pi.

Following graduation from Texas A & M, Hawes was employed in Chicago as a detailer and checker of structural steel drawings for American Bridge Company. From 1951 to 1956 he worked for three engineering firms in Denver—Milo S. Ketchum, Stearns-Roger, and Rhuel A. Andersen. He supplemented his knowledge of building structures with that of aircraft structures through a year's experience with the Convair Division of General Dynamics Corporation at Fort Worth as a Senior Structures Engineer.

From 1957 to 1960 he was a District Engineer for the American Institute of Steel Construction in Minneapolis and Chicago.

He is a registered professional engineer in Colorado, Texas, Minnesota and Utah.

The usual top-notch performance may be expected from this year's President, William Hawes, and his well-qualified Board. Certainly, if Symposia can predict—our prognosis for the 1968-'69 year with Colorado's Consulting Engineers would be "great strides toward a promising future" . . . their leadership is most outstanding!

UTAH



David H. Curtis, President Consulting Engineers Council/Utah

1968-69 will see David H. Curtis, principal in the consulting firm of Curtis Engineers of Salt Lake City, at the helm of the Consulting Engineers Council of Utah. He will be ably assisted in his duties by Clarence C. Bush as Vice-President, and President-Elect; by Mark L. Brynner as Secretary-Treasurer and by Charles V. King as National Director.

Mr. Curtis is a Civil Engineering graduate of the University of Utah with graduate work at the University in Prestressed Concrete Design, Radiation and Blast Design, and Plastic Design in Steel. He has also done graduate study at Purdue University and at the Illinois Institute of Technology. He is a fellow of the American Society of Civil Engineers and Past Chairman of the Utah Engineering Council.

Prior to his election as President of Utah's CEC, he served the organization as Secretary Treasurer in 1966-'67, and in 1967-'68 as Vice President and President Elect. His community service activities include work with the Salt Lake City Chamber of Commerce Earth Protection Committee and the Advisory Committee of Y. W. C. A.

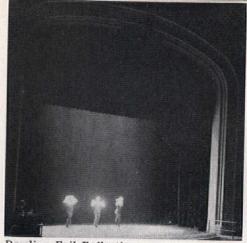
Mr. Curtis is married, and he and his wife, Rosetta, are the parents of four children. Time and activities permitting, his hobby is photography.

Our best Symposia wishes go to Mr. Curtis and his officers for a most successful year as Captain and Execs of the Good Ship CEC/Utah.



Figures in the Black Box

Dialogues With Light



Dazzling Foil Reflections

(Noted theatrical and architectural Lighting Designer, Abe Feder, brought his special brand of evangelism to the University of Colorado campus in Boulder on May 9 and 10. His exposition—"Dialogues With Light," presented only once previously at the Carnegie Institute, embodied education, entertainment and the means to explore the techniques and goals of lighting design. A cooperative effort sponsored by the Public Service Company of Colorado, the University of Colorado and the Lighting Industry; "Dialogues with Light" went on to the University of Utah for a similar presentation on the 13th, 14th, and 15th of May. Our article, both knowledgable and definitive is authored by Gregg Cloos, a past Regional Vice President of the Illuminating Engineering Society . . . He is also responsible for the accompanying photographs.)

by Gregg Cloos, IES

Over 1,600 people assembled in Macky Auditorium on the Boulder Campus of the University of Colorado on Thursday, May 9, and stayed long into the evening as Abe Feder demonstrated the exciting possibilities of lighting technique.

A black velvet backdrop and black velvet floor created a "black box" . . . the single shaft of light forming a rectangular pattern on the floor would have been virtually invisible except for the smoke from off-stage smoke pots which allowed reflection. To this single shaft of light another was added from above . . . then from the sides and front . . . each shaft precisely placed to light a specific area. The ellipsoidal spots with their framing shutters using 750-watt quartz sources were faded and dimmed as directed . . . a la Broadway. Shafts of light were reflected with the aid of aluminum foil informing the audience of the intensity at the source. (It was almost blinding.)

To the light form, the CU School of the Drama then placed six figures into six pools of light . . . their forms were then accented with light from various angles . . . demonstrating the basic varieties achieved by lighting technique.

Color was introduced — then motion — and as drama students moved in and out of the light shafts, action was increased or decreased by the total quantity and angle of the light source. At one time, 34 students were on stage in colored costumes . . . color was introduced from border lights . . . first white mixed with primary colors, and then as George Howard (Kleigl Brothers) manipulated his 10-scene pre-set electronic dimmer panel, figures took on a totally different appearance as red, blue and green costumes disappeared and fleshtones were altered.

Into this exciting experience, Public Service, CU's Physical Plant, Drama School and the Macky Auditorium stage crew had put a maximum of effort into a minimum of time . . . and up to curtain time, six tons of equipment supplied by Kliegl Brothers Stage Lighting was still being assembled. The enthusiastic response of those present was most gratifying . . . the audience included students, of course, but there were also architects, engineers, lighting

and interior designers, electrical contractors, photographers, utility lighting men, musicians and window designers.

Over six hundred students and professionals met on Friday morning for Mr. Feder's lecture on "The Uses of Light in Design"... which outlined techniques used in lighting the Tulsa Civic Center, Fuller's geodesic dome in Baton Rouge and the Assembly Hall at the University of Illinois. Mr. Feder pointed out that, in many cases, the design called for light sources not yet developed... but through cooperation between designer and lamp source manufacturer such innovations were created. In this particular area of development was the quartz iodide lamp... a small tungsten regenerative lamp which solves the problem of a condensed source producing high lumen output where the tool to control the source could be of a smaller and more efficient design.

Soggy spring weather made its entrance on the scene on Friday evening. The assorted precipitation dampened everything in sight except the indefatigable Mr. Feder (The Show Must Go On), his efficient student crew and his audience. Neither rain nor snow kept them from their appointed rounds although some of the more timid souls peered through windows and doorways as the chill took over. Cables strung across the mall were lying in water as the Feder demonstration delineated "Lighting the Out-of-Doors."

At 10:30 p.m., C.U. architectural students in three teams took over the lighting controls to show "Lighting the Forms Designed for Our Environment." The various architectural shapes were built and designed by the department students and control of the light shafts gave form shape and color. Light changed form and impact from minute to minute . . . an amazing demonstration of instant transition through lighting. The outstanding senior team, headed by Kenneth Goff, created a set of cubes locked within the open space framework and designed specifically for the project. Border lights, ellipsoidals, and fresnels were controlled by 16 12-KW dimmers, and as

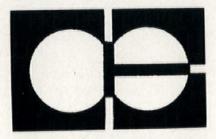
students called for red, blue or magenta the control was instant and effects changed as quickly. Through the direction, intensity, color and shape of the lighting, it was shown how the physical appearance form could be altered from day to night. Though the techniques employed in this particular demonstration were created with theatrical light sources, this effect is not limited to this type of equipment as enclosed and gasketed equipment, if available, could perform the same function in the open.

We feel the architecture/construction community including the students themselves is indebted to Mr. Feder for the time and effort in bringing to all of us a visible awareness of what can be created with light. We also are appreciative of the cooperation of Kliegle Brothers in supplying the complex equipment, to Nova Industries for designing the light control louvers and to the source manufacturers: General Electric, Sylvania, Westinghouse and ITT who demonstrated the sources. These included incandescent, quartz, mercury vapor, metal halide, high pressure sodium, xexon, and electro luminescent.

Acknowledgment also should be made to Claude Cass and the dozens of stage hands who worked so diligently under Mr. Feder's direction to place the sources to create the effects required. Some 75 spots, borders and floors were installed with a totaled connect load of over 200 KW. Assistance of Public Service was invaluable.

"Dialogues with Light" presented both professional and student alike with a visual conversation in which the experience of one and the fresh approach of the other provided a most fruitful atmosphere for learning. The four "enlightening" sessions clearly indicated that to create the ideal environment we must, at the same time, create the ideal lighting environment . . . it is, after all, the only medium we have for the perception of the world around us.

new symbol for a new approach



Marvin Wall, of the Keith J. Ames . . . Architect firm of Longmont, has been declared the winner of the symbol-design competition of the "Use Colorado Architect-Engineers" committee.

Wall's design of a modernistic representation of a lowercase "a" and "e" has been selected by the Colorado Chapter American Institute of Architects and the Consulting Engineers Council of Colorado as the symbol to be used on a brochure and other material for the promotion of engineers and architects within Colorado.

The winning design was one of more than 16 submitted from throughout the state. In charge of the subcommittee to select the design were Richard Paulin, representing the AIA, and E. Vernon Konkel, CEC/Colorado. A panel of nine architects and engineers made the final selection.

LEGISLATION/A FORUM

devoted to the legislative problems of the architecture/construction community

AIA INITIATES MINUTEMEN

The American Institute of Architects has enlisted a new group tagged "Minutemen"—individual architects willing to maintain liaison with U.S. Senators and Representatives from their states. This volunteer group will back up AIA Staff and Committees on legislative proposals which demand immediate action. This is a big job—and an important job—all AIA members have the Minuteman Brochure. Have you volunteered?

CIC/NEW MEXICO

The New Mexico Construction Industries Commission met June 7. They agreed to comply with all the requests made in the 28th Legislative Session House and Senate Memorials. (NOTE: This will delay the CIC Program by at least 6 months . . . but does not stop it.—Bradley P. Kidder, FAIA, who represents Architects and Engineers on this Commission.)

POLICY SET

The Committee on Federal Procurement of Architect-Engineer Services (Representing Six separate organizations of design professionals) has carefully reviewed recent developments in the procurement of professional services, and strongly recommends that its member societies adopt the following policy:

RESOLVED, in the interest of the public and the taxpayer, an architect or engineer should not submit a price proposal nor enter into competitive price negotiations for any services prior to final selection as being best qualified for the particular project.

On June 4, the Consulting Engineers Council/Colorado passed just such a resolution . . . the final paragraph of which reads: "NOW THEREFORE BE IT RESOLVED that the Consulting Engineers Council of Colorado go on record as being in favor of removing the six percent limitation for fees; and further that it go on record as being opposed to the selection of engineers and architects on the basis of fee pricing, but selection should be made on the basis of capability, experience and professional competence as proved in the past to be in the best interest of the Government and the taxpayer."

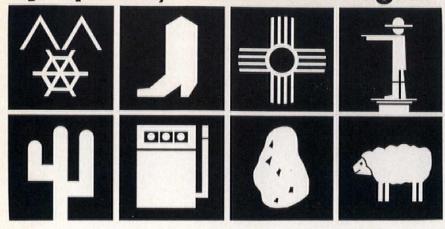
NEW MEXICO INVESTIGATION

A joint House-Senate Memorial (1968 Session) requires a Legislative Committee to make a full investigation of ALL Licensing Boards to determine if examinations and fees are fair, and if the Boards are restrictive. This report will be made to the 29th Session of the New Mexico Legislature, January, 1969.

BILLBOARD CONTROL

Legislation to regulate outdoor advertising was introduced in 13 states, the District of Columbia and Puerto Rico this year. Of the 16 states who have signed agreements with the Federal Highway Administration to bring outdoor advertising under the provisions of the Beautification Act (1965) only Utah is "among those present" in the Symposia region. Legislation to regulate outdoor advertising was killed in Colorado and died on adjournment in Arizona.

sympos a / around the region



arizona

CSI Names Outstanding Member

At the Annual Awards Banquet of the Phoenix Chapter, Construction Specifications Institute held Friday, June 7th at Saddleback Inn, F. J. MacDonald, Phoenix Landscape Architect was named "Outstanding Professional Member" for the 1967-68 year.

Mr. MacDonald was cited for his work on a nationally published study on landscape specifications and also for his work toward developing a study for sprinkler irrigation specifications. He was author of a nationally published article on the latter. Mr. MacDonald has been a professional member of the Phoenix Chapter for six years.

Window Rock Reports In

Jim Cushing sends us this interesting communique from the Design and Construction Department of the Navajo Tribe . . . "Bids were opened on June 6 for the Fed-Mart Store in Window Rock, Sam Williams Construction Company of Phoenix was the apparent low bidder . . . and although contracts have not yet been signed, at this writing, construction should be under way by the middle of June. Design and Construction is also working with architect, William W. Bond (Memphis, Tennessee) on the final working drawings and specs for a Motel for Window Rock . . . Final plans project 96 rental units with a Commercial Building which will have Lobby, Coffee Shop, Dining Room and Kitchen Facilities plus a Meeting Room for 300 persons. Costs are presently estimated at approximately \$300,000.00 and plans are expected to be out for bid about the first of July. (There we go with "about" and "approximately," and Dr. Horsch told us about that in his "New Language for Specifiers").

Region 11 Conference

The Construction Specifications Institute/Tucson Chapter is vacuuming up the red-carpet, and making all those important arrangements for the Region 11 Conference scheduled for late September. Both Warren Edminster (New President) and Russ Eley (Past President) were in Denver for the CSI/12—our great pleasure to meet them both—and looking forward to a closer "hands across the Rockies" relationship.

New Architect via Symposia

J. Cushing, Editorial Board Member, reports that thanks to Symposia there is a new Chief Architect for the Navajo. He (C.A.) is Frederick L. Grove (formerly of Higgenbotham, Nakata and Muir of Colorado Springs) who read about Jim's Navajo assignment, and got in touch with him. Mr. G. assumed his duties in the Design and Construction Department in April bringing with him Wife, Wendy, and three papooses (?) papoosi (?) Chris, Adam and Hunter.

Adds Mr. Cushing hopefully, The Department still has the position of Assistant Architect open . . . it calls for a graduate architect (not necessarily registered) who has a consuming interest in the South-West, the Navajo and their homeland. Anyone interested should contact Jim Cushing by mail or telephone him at 602-729-5707. Fort Defiance, Arizona.

colorado

C. U. Receives CD Grant

The University of Colorado has received a \$27,493 grant from the U.S. Office of Civil Defense to continue support of a regional design and development center on the Boulder campus.

The center was created in 1965 and is administered as a department of CU's School of Architecture.

The center's chief role is to study

and to evaluate scientific and technical publications relating to community shelter programs. The center publishes on its findings for practicing architects and engineers throughout the country who are interested in the civil defense shelter program. The centers have been established on university campuses in each of the eight civil defense regions. The CU center serves Colorado, North and South Dakota, Wyoming, Kansas, Nebraska, Iowa and Missouri.

The CU center is staffed on a parttime basis by architecture and architectural engineering faculty members who have been certified as shelter design instructors or shelter analysts. Prof. G. K. Vetter is director; Associate Prof. Robert W. Kindig is associate director.

CSI Forecast

Oluf Nielsen, new President of Denver's CSI Chapter, has had a brief session with his private crystal ball and has made some predictions for 1968-'69. "A year as successful as last. Interesting programs, friendly meetings, stimulating technical work, and an effective educational program"-all are on the up-coming agenda. Another hope (and we sincerely back this idea) is a CSI Chapter in Colorado Springs. Colorado, incidentally, will host the Region 10 Conference in January, 1969 - after the National, they're old pro's! Jim Barr continues to turn out a great "Scope," and not so incidentally . . . thanks, Jim, for all those kind words in re: Symposia in the June communique.

1968 Conference Scheduled

Kenneth S. Ginoulis (Silver Steel Company) of Denver will head up the 1968 Mountain States Industrial and Business Exhibit and Conference slated for October 23-26 at the Denver Coliseum. Other committee members for the event include Pat Glenn



Plotting the P. C. Course
Shown above, the 1968-69 officers of the Rocky Mountain Chapter of the
Producers' Council . . . left to right: Vice President Bill Dingler; Secretary
Phil Smith; President B. A. Wyatt and Treasurer Milt Hayman. Question?
Does the paper B. A. is holding carry the plans and "specs" for their latest
raid on the P. C. Silver Chest?



National Farmers Union Service), Phil Hamann (Burkhardt Steele), Al Chase (Gates Rubber), J. G. (Pete) Heiney (Ryall Electric), Jack Rickey (Jarvis of Colorado, Inc.) and Hugo Ruggiero (City of Englewood). The MSIBEC, a regional exposition sponsored by the Purchasing Managers Association of Denver, will bring together some 10,000 from the 14-state Trade Area.

First Step Forward

Better communication between architects and the medical profession is the aim of the Colorado Chapter/AIA. The May 21st meeting was the first step in this direction when Eugene Sternberg's Committee on Medical Facilities brought together Dr. C. H. Kempe, M.D. and Dr. W. G. Cooper, PhD. and members of the AIA to discuss their mutual problems in providing finer facilities for the care of patients. Alan Fisher and Victor Hornbein, FAIA, spoke on behalf of the Architects.

Mr. Sternberg urged that this session be "only the beginning"—with other meetings and conversations to follow. Proposed for next year, a meeting of medical students and architectural students . . . starting neophyte professionals on the road to better communications early in the game. Dr. Kempe and Dr. Cooper were presented speaker's Awards for their outstanding contribution to this initial session at the conclusion of the program.

idaho

CEC/US Welcomes Idaho

Symposia congratulations are very much in order for the Consulting Engineers of Idaho who have formed a new chapter of the CEC/US. A great meeting was held June 7-8 at the Challenger Inn in Sun Valley which included not only the important business sessions but a meeting and tea for the Women's Auxiliary, Dinner and Dancing in the Ram Banquet Room and a Golf Tournament. President of CEC/Idaho is William W. Briggs of Boise.

montana

Meeting Scheduled

Our new Editorial Board member, "Cal" Hoiland reports that the next meeting of the Montana Chapter/AIA is slated for September 20-21 in Helena. From Friday noon until Saturday noon, Montana architects will participate in Seminars on Landscape and Governmental Affairs. On the business side . . . new Chapter officers will be elected . . . Martin Crennen of Helena is scheduled to be the new Montana president.

new mexico

AIA Annual Meeting

At hand, the usual delightful communique from Mr. Bradley Kidder, FAIA, Editorial Board, Santa Fe. Mr. Kidder's reports from New Mexico are always an occasion for dancing in the streets at Symposia headquarters... his latest—no exception!

"According to the terms of our Contracts for Architectural Services, on or before the 10th day of each month, it becomes my duty to send letters to the various clients informing them of payments due for services rendered during the month. So it is, that on my monthly calendar is the further notation "Letter to Symposia."

For what it is worth — here is the news from New Mexico.

I: The Annual State-Wide Meeting of the New Mexico Society of Architects was held May 25th at the Western Skies Motel, Albuquerque. Albuquerque Chapter: Hosts. This meeting was a Business Session and Banquet devoted to three main topics.

A.) Consideration of the Uniform Building Code for the State. Discussion led by Garlan Bryan (Albuquerque) Code Committee Member. Results: A Resolution commending the Committee's work and urging adoption of the Code as the Uniform Standard for all State Construction.

B.) Consideration of Society's magazine, "New Mexico Architecture" Discussion led by John Conron (Santa Fe) Editor for most of ten years.

C.) Consideration of recently inaugurated Schedule. Discussion led by John Varsa (Albuquerque) Co-Author. Relating to acceptance by State Agencies.

Results: Disgressed into fields of Free Sketches, Free Programming and the Contingent (Bond Sales) Contract. Ask National Institute for Clarification.

II. Cocktail Hour—Lively and heated discussions of Architect's role as Planner . . . the sorry state of proliferation of Architectural Cliches ... what constitutes Good Architecture. Most interesting session!

III. Banquet-Well attended, all three Chapters well represented. Good food and service. Speaker: Professor Harrington, UNM, (With a yard-long list of earned degrees). Subject: Amusing talk on Archeologist's History of Architecture in New Mexico.

(The balance of Mr. K's report will be found in our monthly . . . Legislation/A Forum).

"Chief Big Blow"

When the Albuquerque Group got off the bus at the Stock Show Stadium for the Host Chapter party during CSI/12 - Vice President Harold E. Keller, FCSI, and his charming wife, Velma, were on hand to make a presentation. Our new Board Member, Bob Schmidt, President of the Albuquerque Chapter, received Velma's prized possession . . . her "CSI Whistle." It has been to all CSI Annual Conventions since 1962, all of their Regional Conferences and many other Regional Conferences since Mr. K became a VP. Bob, incidentally, used it quite extensively during the Region 10 Conference last February. Mrs. K. had it engraved with her initials and Bob's, and Mr. K. had it outfitted with a large CSI laminated plaque, thunderbird, Bob's Name and Chapter . . . and of course, the title . . . "Chief Big Blow."

Panel Evaluates Manpower

The Mid-Year meeting of the New Mexico Building Branch of the AGC was held June 8 at the Holiday Inn in Hobbs. Building construction manpower problems, current and future, were evaluated by a panel of experts which included: Gerald Kuhn, Training coordinator of the Plumbing and Pipefitting Industry; Milton B. Fox, Hobb's manager of the New Mexico State Employment Service; Alva J. Coats, Manager of the New Mexico Building Branch/AGC and Dr. I. E. Siegenthaler, Dean, Vocational-Adult Education at New Mexico Junior Col-

lege. The panel was moderated by Glenn Werhan, General Contractor of Lovington, and the Panel's findings were summarized by R. N. Tydings, Superintendent of Schools, Hobbs.

The worsening shortage of competent Building Trade craftsmen is of concern to all members of the architecture/construction community, and effective solutions must be found and effectively instituted. By bringing together building construction industry leaders, employment and training specialists and prominent educators, New Mexico's Building Branch/AGC is performing a much needed service to the total Industry.

Architectural Chairman Resigns

Thomas Reed Vreeland, Jr., Chairman of the Department of Architecture at the University of New Mexico for the past three years, has resigned his position to head a new architectural program at UCLA. Dr. Clinton Adams, Chairman of the Fine Arts Department, has named Don P. Schlegel as acting Department Chairman for the 1968-'69 academic year. Mr. Schlegel received his BA from the University of Cincinnati, his Master's from MIT, and before coming to the University of New Mexico in 1954, he was an instructor at the University of Kansas. Don has many friends in the WMR, and is a faithful attendee at Regional AIA Conferences. Congratulations, Professor Schlegel!

Full Turn-Out!

The Albuquerque Chapter/CSI had its full complement of delegates at the "really big National" in Denver. The delegates included five professional members: Ken Hansen, Dick Henderson, Glenn Krauth, Jack Bornmann and Bob Schmidt; and three industry . . . Dave Foard, Stan Borthwick and Dan Abrambson. The ladies in attendance from the Land of Enchantment were Mesdames Hansen, Henderson,, Krauth, Borthwick and Schmidt. Beverly Foard was registered but a couple of nights before she collided with mis-placed furniture and broke a toe. Ouch! We think everybody who was present will agree . . . CSI/12 was a sensational success in all departments.

utah

New Officers for Council

The Engineering Council of Utah has elected the following officers to serve during 1968-'69 . . . they are: Chairman: George B. Gudgell, Bush & Gudgell, Consulting Engineer; Vice Chairman: Harold Hutchinson, Utah Power & Light Company, Engineer; Secretary: Darrell Monson, Professor, Brigham Young University; Treasurer: Keith Hansen, Hansen & Associates, Consulting Engineer.

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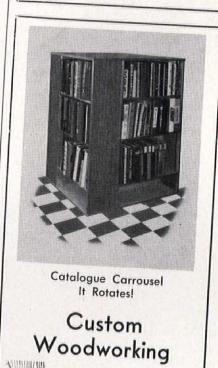
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Symposia Presents . . .

A. Calvin Hoiland/AIA Great Falls, Montana



Just recently, the state of Montana joined our Symposia Region, and we are both honored and happy, this month, to welcome our first Editorial Board member from our most northern neighbor. He is A. Calvin Hoiland, AIA, or "Cal" to almost everybody who comes down the pike.

A Montana native, Mr. Hoiland has a "long and honorable" for anyone on the sunnier side of forty-five! Following service in the Army Air Corps during World War II, he attended Montana State College where he was president of the Architecture Club, the student body, served on the Board of Publications and capped an outstanding collegiate career with an appearance in "Who's Who in American Colleges and Universities." He has continued his association with Montana State as an instructor of drafting and as guest lecturer.

"Cal" is a past-president of the Montana Chapter of the American Institute of Architects, served as chairman during organization and was the first president of the Great Falls Society of Architects . . . a ditto duty performed for the Montana Technical Council. He is a member and past-president of the State Board of Architectural Examiners and editor and publisher of the Montana Chapter AIA/JPB

His service to his community is truly outstanding. He is past-president of the Great Falls Kiwanis Club, past-engineering chief for Civil Defense, chairman of the Boy Scouts, a steward in the Methodist Church . . . served as chairman of the Swimming Pool Master Plan Committee — suffice it to say, Mr. Hoiland is a vital and valuable citizen

in both Great Falls and the state of Montana.

Mr. Hoiland has been a principal since 1952, and is presently a partner in the architectural firm of Hoiland and Zucconi in Great Falls.

Zucconi in Great Falls.

All of us at Symposia extend a hearty welcoming handshake to Cal Hoiland as our newest Editorial Board member from our newest state. It's great to have him with us!

Robert J. Schmidt/CSI Albuquerque, New Mexico



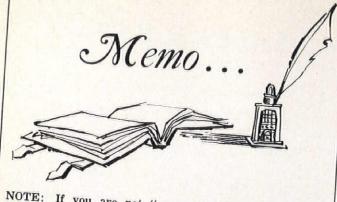
We weren't exactly sure which slot to choose for Robert J. Schmidt of Albuquerque since he is the newly elected president of Albuquerque's CSI which makes him a "leader" or here as the CSI board member in New Mexico. But here he is, and a great guy! Bob is a graduate in civil engineering from the University of Dayton; five days following this event, he put on the uniform of the U.S. Army which he wore until July, 1965 when he retired as a lieutenant colonel. He is now to be found in the office of the university architect, University of New Mexico . . . when he's not being one of America's most active and enthusiastic members of C.S.I.

During Bob's years with the Army, he served at bases all over the U.S. as well as Germany and Korea. It was following his 17-month "refreshing vacation" (his terminology), in the "Land of the Morning Calm" that he went to Stanford University where he earned his master's degree in industrial engineering. Having spent the years 1948-'52 at Sandia Base in New Mexico he had always hoped for a return to the "Land of Enchantment," and indeed his last military assignment was as base engineer at Sandia.

Now, finally and firmly ensconced in Albuquerque, Bob's long-suffering wife, "Clemmie," was able this past year to observe Christmas, for the first time in her married life, for three consecutive years under the same roof. The Schmidts have five children . . Rita, a medical technology major at the University of Albuquerque; Bob, Jr., who starts New Mexico State University this fall; Kathleen, a high school junior; and Marc and Ann, fifth and fourth grade respectively.

Mr. Schmidt is a Fellow in the American Society of Civil Engineers and a member of the National Society of Professional Engineers and the Society of American Military Engineers. He's been with Albuquerque's CSI Chapter almost since the beginning and prior to becoming president served on the board of directors.

Symposia feels most privileged to have him as a member of the Editorial Board — we can anticipate sprightly and informative bulletins from Robert J. Schmidt, C.S.I., Albuquerque!



NOTE: If you are not "among those present" in this month's Memo, simply forward your meeting dates to us as near the 10th of the preceding month as possible. We hope Memo helps you to be where you should be . . . when. The Symposia address: 4070 Estes Street, Wheat

of regional interest

JULY 19-20: Consulting Engineers Council Five State Engineering Conference (Colorado, Wyoming, Idaho, Montana and Utah) C'est Bon Hotel, Park City, Utah.

arizona

JULY 8: Construction Specifications Institute/Tucson — NOTICE TO ALL MEMBERS-There will be no Chapter Meetings in July and August but all members are welcome to attend the Board Meetings which will be held at noon, the second Monday of each month at Rallis Pub in the basement of the Transamerica

colorado

- JULY 2: Consulting Engineers Council/Colorado-Director's Meeting. Cocktails: 6:00-Dinner; 6:30 p.m. Denver Press Club. (All members are invited and urged to attend Board Meetings. For reservations: telephone 244-4714 before noon of previous day.
- JULY 3: Association of Remodeling Contractors—Board of Directors. Dinner: 6:30 p.m. Four Winds Motor Hotel.
- JULY 8: Architectural Secretaries Association. Executive Board: 6:00 p.m.—General Meeting: 6:30 p.m.—Conti-

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- JULY 10: Associated Building Contractors of Colorado, Inc. (AGC) Safety Committee Meeting, 12:00 noon-
- JULY 11: Mechanical Contractors Association—Luncheon Meeting—12:00 noon—New Plumbing Showcase—2727
- JULY 11: Colorado Pipe Trades Industry Program/Board of Trustees. 4:00 p.m. New Plumbing Showcase.
- JULY 17: Women in Construction/Metropolitan Denver Annual Picnic. Box lunches. Swimming, Bingo-also 1968-69 Officer's Slate will be presented. 6:00 p.m. White Sands—Denver.
- JULY 19: Consulting Engineers Council/Colorado President's Party. Golf, President's Recognition Banquet, Entertainment and Dancing. Pinehurst Country Club,
- JULY 22: Associated Building Contractors of Colorado (AGC) Executive Board-Luncheon-12:00 noon, Tiffin.
- JULY 22: Construction Advancement Program Fund Trustees Meeting 2:00 p.m.-Writer's Manor, Denver.
- JULY 25: Mountain States Bureau of Lathing and Plastering/Board of Governors-10:00 a.m.-221 Santa Fe Drive, Denver.

new mexico

- JULY 9: Construction Specifications Institute/Albuquerque Chapter. Cocktails: 5:30—Dinner: 6:30—Meeting: 7:30. Sundowner Motel. (Any CSI Members in Albuquerque on this date, are cordially invited to join "the group.")
- JULY 24: Consulting Engineers Council—New Mexico Board of Directors: 11:30 a.m.—General Membership: 12:00 noon, Eby's Restaurant, 6804 Menaul Boulevard, N.E. (Across from Coronado Shopping Center) Albu-

utah

- JULY 9: Consulting Engineers Council/Utah-Executive Board-Noon-Ambassador Club.
- JULY 19-20: Consulting Engineers Council—Five State Engineering Conference (Colorado, Wyoming, Idaho, Montana and Utah.) C'est Bon Hotel, Park City, Utah.

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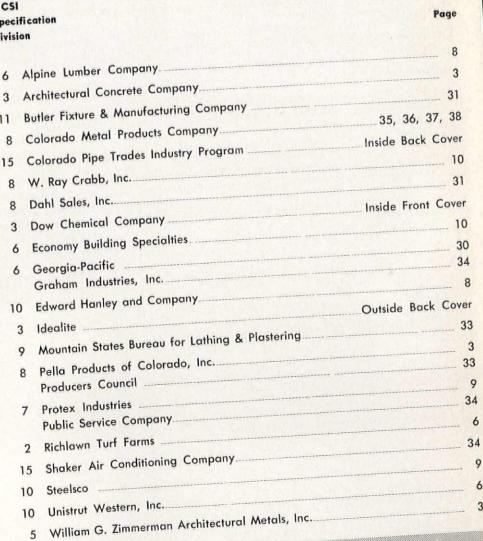
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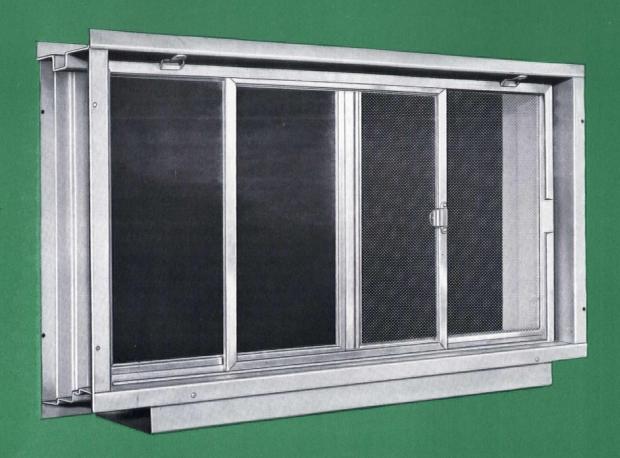
Index to Advertising

CSI Specification Division









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The economical answer to the home builder's need for an easily installed basement window is the full-wall-width window, with the snap in aluminum insert, complete with glass and screen. The full-wall-width, heavy steel buck, eliminates the cost of buying, renting, cleaning, storing and the cost of moving bucks from job to job.

The full-wall-width buck is available for immediate delivery in 8", 9" and 10" wall widths. Special wall widths and cut out type for 2 full-block and 3 full-block construction, are also available.

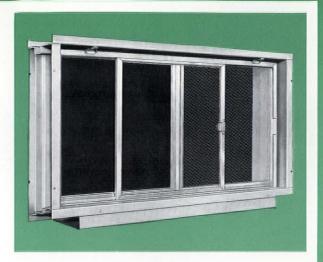
Ventilating portion is a complete aluminum slider in itself. This easily removable slider is a one-piece unit complete with screen, stationary glass frame and sliding glass frame, that locks shut.

The sliding glass frame slides on a sealed-in vinyl strip.

Full wall width to fit 2 and 3 block high by 2 block wide.

OUTSIDE DIMENSIONS

15 x 12 — 2 Lite — 33 \%" x 16 \%" 15 x 16 — 2 Lite — 33 \%" x 20 \%" 15 x 20 — 2 Lite — 33 \%" x 24 \%" 15 x 24 — 2 Lite — 33 \%" x 28 \%"



FULL WALL-WIDTH-BUCKS UP TO 6040, 10" WALL WIDTHS NOW AVAILABLE ASSEMBLED OR KNOCKED DOWN.

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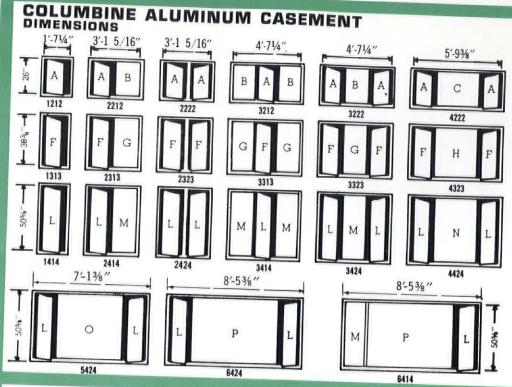
New K.D. Bucks available for popular aluminum horizontal sliders and casements. Sliders in 8"-9"-10" walls. Bucks can be assembled on job. Made of heavy galvaneel steel.

Special sizes on request.

Also available complete with casement or sliding window factory assembled.

For special situations we can make any size buck from 2' x 2' to 6' x 6' (with special reinforcing) makes for economical handling and less shipping costs.

Stock sizes for: 3020 - 3030 - 4020 - 4030 - 5030 - 6020 - 6030



SPECIFICATIONS

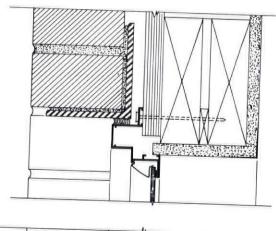
Sections are specially designed aluminum extruded shapes of 6063-T5 alloy not less than 1/8" deep. OUTSIDE FRAME has overall inside to outside depth of 2". Columbine residence casements have passed all requirements as stipulated in tests as outlined by the AAMA.

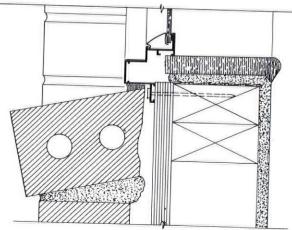
All dimensions shown are normal rough opening sizes. Additional allowances should be made when finish requires. All windows are asembled in a secure workman-like manner to insure neat weathertight construction.

Vents are weatherstripped and designed for regular glass or up to 5/8" insulating glass glazed with aluminum glazing beads.

ALUMINUM CASEMENT WINDOW DETAILS

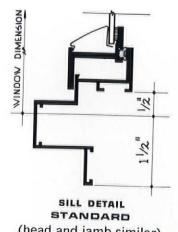
BRICK VENEER





SCALE: 3"=1'0"





(head and jamb similar)

SPECIAL INSTRUCTONS

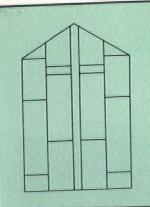
Curved top windows, diagonal windows and windows for special conditions can be manufactured with a "Z" section as the outside member. Fins can be added for special installations.

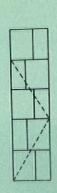
Special sizes can be provided with regular glass or up to \%" insulating glass in Colorado. Usually shipped unglazed out of state.

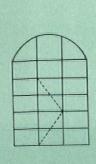


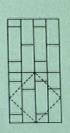
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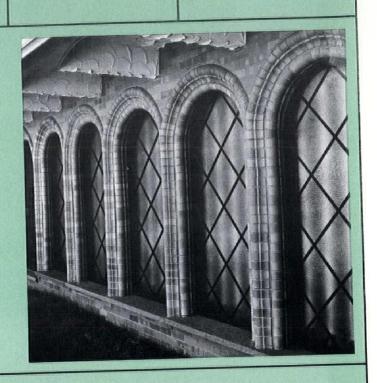
Specify—"COLUMBINE" steel casements as manufactured by Colorado Metal Products Corporation of Denver, Colorado.

Window members shall be low carbon, new billet hot-rolled steel. Frame and vent sections shall be Zee bars not less than 1" depth nor 1/8" in thickness.

Where fins are required, they shall be electrically spot-welded to frame at factory (window dimension does not to include fin). Radius of curve top must be 1/2 the specified width. Ventilators must be at least 12'' wide (standard sizes recommended) Hardware shall be a worm drive operator and a locking handle.

Stock sizes available upon request. (casement, awning or hopper). Screens available for all ventilators are flat screens with 18 x 16 aluminum wire cloth.

GLAZING—windows shall be designed for glazing from the outside with spring wire clips and steel casement putty, furnished by others.



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