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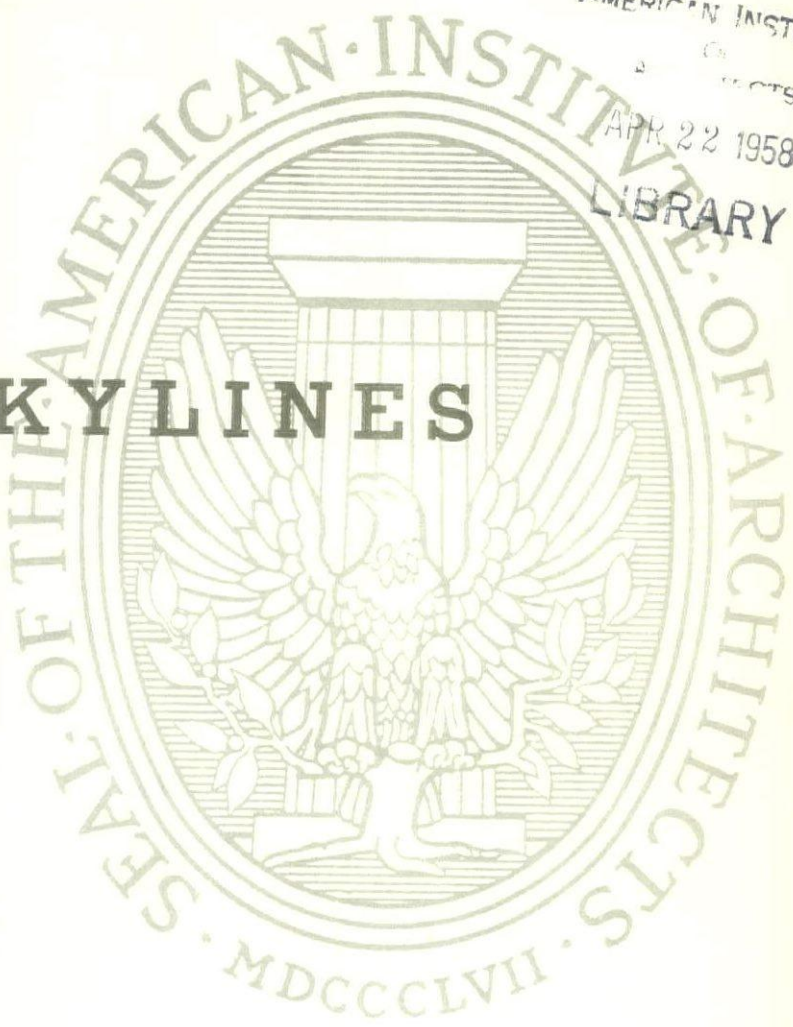
AMERICAN INSTITUTE

OF ARCHITECTS

APR 22 1958

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SKY LINES



KANSAS CITY
CHAPTER OF THE
AMERICAN INSTITUTE
OF ARCHITECTS

MARCH 1958



KANSAS CITY
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SKYLINES

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SKYLINES is the monthly publication of the Kansas City Chapter of the American Institute of Architects, and mailed without charge.

EDITOR.....J. DAVID MILLER
7830 FLOYD OVERLAND PARK, KANS.
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facts

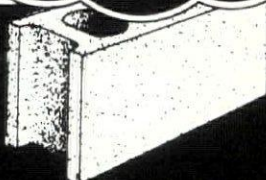
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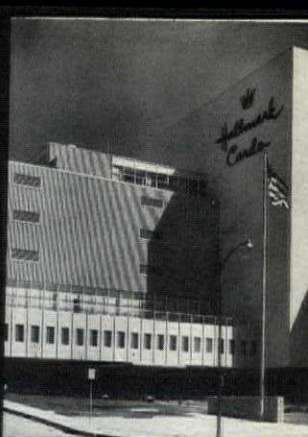
This page is being devoted this month to the introduction of Robert (Bob) McCann, who has been associated with this office for about two months. Bob was a graduate of Hickory Grove School, Shawnee Mission High School and was a student at the University of Kansas School of Engineering for three years. In 1955 he entered the Army and served 11 months overseas.

We know that you will be pleased to make his acquaintance, as we are equally pleased to have him associated with this firm.

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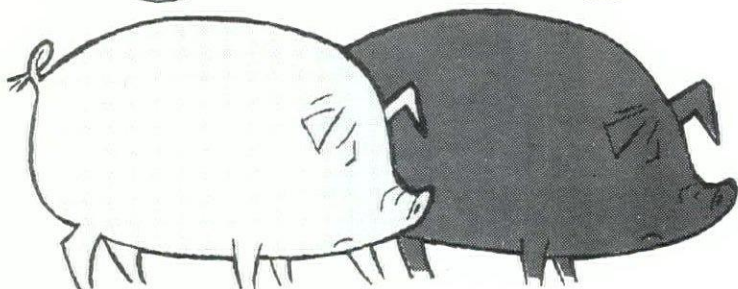
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We know you're going to decide for yourself which is best, but here are some facts you can count on if you specify Haydite blocks manufactured from Carter-Waters Haydite aggregate.

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You are cordially

invited to attend the

CURTAIN WALL SEMINAR

April 23, 1958

9:00 A. M. - 4:30 P. M.

HOTEL PRESIDENT



PHOTOGRAPH BY PITTSBURGH CORNING CORP.

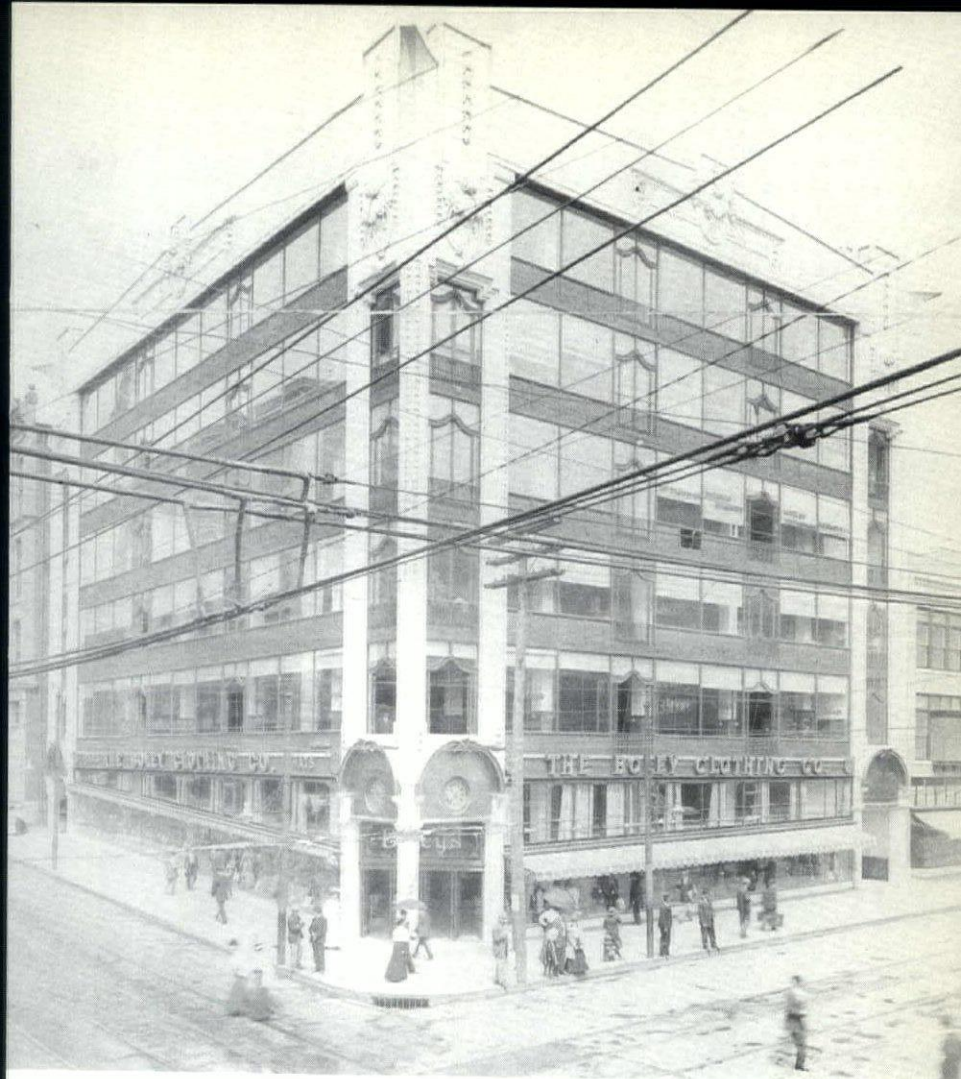
This issue of SKYLINES is devoted largely to Curtain Wall. The materials, the assembly, the problems and the pleasures of this architectural appearance which is growing by the year here is explored briefly with a glimpse into the past, the present and the future. With the second article in "The Kansas City Architectural Heritage" series devoted to our two earliest examples of curtain wall by Louis Curtiss, we see how Curtain Wall was used (even in cast iron form) in the early 1900's. With a fleeting glimpse of a few of the curtain wall projects recently built or going up, we see how Kansas City architects are utilizing this material medium in forming a varied cityscape for tomorrow. And with the all-day Curtain Wall Seminar coming up on April 23rd, the Kansas City Chapter of the Producers' Council is presenting a thorough survey of the Curtain Wall picture by bringing leading experts in all fields of materials, design, fabrication, insulation, construction, adhesives, erection and specifications—an opportunity to learn more of the behavior and the future of this child now grown up.

THE KANSAS CITY ARCHITECTURAL HERITAGE

Appropriate for featuring when the Curtain Wall is the center of attraction are the first two curtain wall buildings in Kansas City. The Boley Building at 12th and Walnut was designed by Louis Curtiss and was completed in 1909. His own office building located at 1118 McGee is also from the same era.

The Boley Building has six floors and cost \$110,000. It contained the first rolled-section steel columns manufactured in the United States. Revolutionary in its day—and still unique for its curtain wall construction—the building was given the following description in the KANSAS CITY STAR at its Open House: "Everything that could possibly be so seems to be glass, whole walls, display cases and counters. Even the elevators are enclosed in glass! Constructed for the Boley Clothing Company, opening day brought crowds of curious Kansas Citians, necessitating a frantic hustle to maintain the supply of free roses being given to all the ladies."

Headlines in the KANSAS CITY STAR on January 17, 1917 carried the news of a welding tank gas explosion on the 5th floor killing 2 men and injuring 52. All plate glass windows on the 5th floor were shattered, which "sent horses scurrying in every direction."



the Boley Building in 1910



the Boley Building today



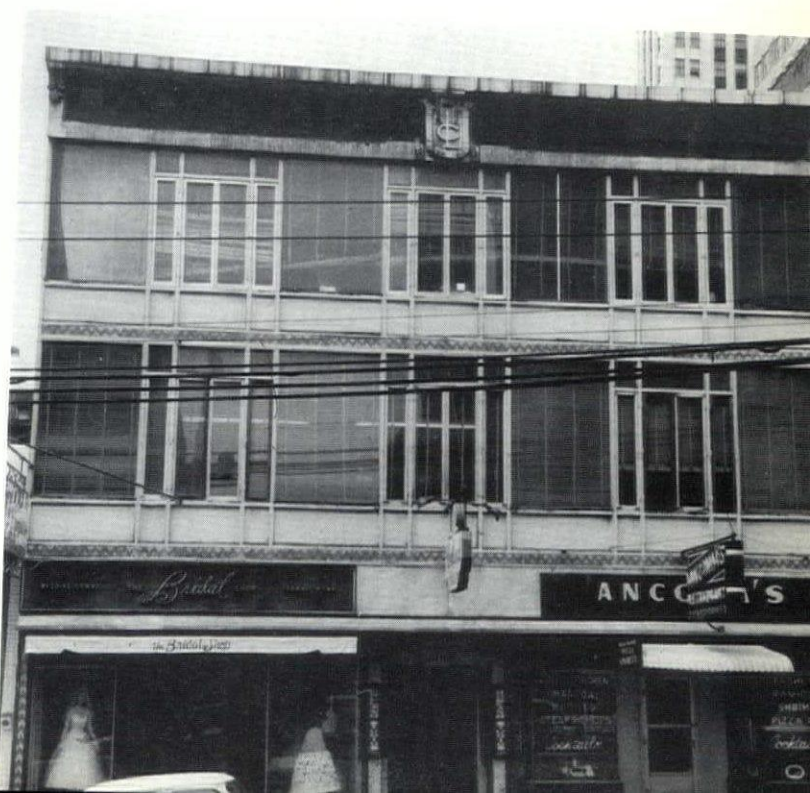
the past and the future in the same facade

The legend of Architect Louis Curtiss is hard to trace, with most of his contemporaries gone and particularly with no personal record available of his practice. Though his world was quite apart from his associates, his genius was evident in the varied designs of such buildings as the (now destroyed) Baltimore Hotel at 12th and Baltimore — with its famous dining rooms cleverly designed to magically transform the diner to ancient Pompeii, Egypt and France—to the carefully detailed Corrigan (now Sutherland) House at 55th and Ward Parkway, and the railroad stations at Topeka and Joplin.

Curtis had an intense passion for open convertibles. His own office building on McGee contained a self-sufficient bungalow on the third floor—his bachelor living quarters. The building (pictured below) remains even today one of the lightest examples of curtain wall in the city—with its extremely thin mullions and sheath of glass.

In later years Louis Curtiss became obsessed with intricate mathematical theories on Architectural Design. His dislike for publicity and desire to live apart has unfortunately left a vacuum where nothing but the seeds of his brilliant genius have lived with his buildings—going now almost unnoticed. However the years have unfolded as a testimony to his design profecies—to the foresight of this great Kansas City architectural pioneer. ●

the Louis Curtiss Office Building





by John T. Rohde, Jr.
President, Kansas City Chapter
The Producers' Council, Inc.
B-D-R Engineering Corporation

KEEPING PACE

Keeping abreast of the times these days is indeed a full-time job for every member of our society. The industrial revolution is continuing with increasing acceleration in the many phases of our daily living, and the design and construction of buildings must continue to keep pace.

We must keep pace with a changing need, a changing society, a changing culture, by using the materials and tools available coupled with the improved technological skills to provide ever improving shelters in which the new society works, lives, and relaxes.

Our industries and governments expend mammoth sums in research, exploring new materials and new methods of utilizing these materials. Also, similar sums are spent training and familiarizing their personnel with the findings of this research. Likewise, our colleges and universities face similar challenges in presenting to students of the engineering and architectural professions the effective use of these new materials and methods.

In contemplating this we automatically think of one of the Producers' Council's major objectives: "The distribution of factual and worthwhile data about building materials and their uses—as a service to Architects and Engineers."

In our Curtain Wall Seminar we feel that we have a mode of disseminating some very factual and worthwhile information on a new design and a new use of material and methods. "Curtainwall" has become a much-used term in our industry, and from all appearances will become even more used in the future.

This Seminar on Curtainwalls and others we hope to present on other subjects will be made possible by the financial assistance of the various member companies and associations of the Council, cooperating with the Kansas City Chapter. Our hope is that this program will contribute to the improvement of our collective industry and is meant to acknowledge a part of our responsibility to the construction industry.

CURTAIN WALL

Sponsored by the Kansas City Chapter

Hotel President

Welcome by Chapter President

9:00 A. M.

MR. JOHN T. ROHDE, JR.
B-D-R Engineering Corporation

Introductory Speaker

9:05 A. M.

MR. ANGUS McCALLUM, A.I.A.
Director, Kansas City Chapter
American Institute of Architects
Kivett and Myers and McCallum

Program Theme by Moderator

9:20 A. M.

MR. R. W. WHITSITT
Ceco Steel Products Corporation

PROGRAM

DESIGN AND FABRICATION

9:25 A. M.

MR. R. M. KAREKEN
Branch Manager
Fenestra Incorporated

GLASS

9:55 A. M.

MR. OTTO F. WENZLER, A.I.A.
Sales Technical Service Manager
Libbey-Owens-Ford Glass Company

STEEL

10:25 A. M.

MR. ARTHUR A. RAY
District Sales Manager
Truscon Steel Division

ALUMINUM

10:55 A. M.

MR. F. A. LOEBACH
Architectural Sales Manager
Kaiser Aluminum Company

STRUCTURAL CL

11:25 A. M.

MR. WILLARD W. DICK
Field Representative
Architectural Terra

CEMENT

11:55 A. M.

MR. T. W. HUNT
Architectural Consultant
Portland Cement Association

LUNCH

12:30 - 1:50 P. M.

INSULATION AND

2:00 P. M.

MR. DAN E. MORGE
General Construction Manager
Owens-Corning Fiberglas

INAR PROGRAM

of the Producers' Council, Inc.

ril 23, 1958

AUXILIARY CONSTRUCTION 2:30 P. M.

MR. THEODORE F. PEIFER
District Sales Manager
Zonolite Company

JOINTS AND FLASHINGS 3:00 P. M.

MR. ROBERT W. TOPHAM
Sales Engineer
Adhesives, Coatings and Sealers Division
Minnesota Mining and Manufacturing Company

ERECTION 3:30 P. M.

MR. K. E. VAN SCOY
District Sales Manager, Ramset Fastening System
Winchester-Western Division
Olin Mathieson Chemical Corporation

MR. LEO W. ZAHNER, JR.
A. Zahner & Company

SPECIFICATIONS 4:00 P. M.

MR. ROBERT P. TUCKER
Manager of Unit Wall Sales Division
Kawneer Company

ADJOURNMENT 4:30 P. M.



MORGENROTH

DAN E. MORGENROTH, Manager of the General Construction Materials Div. of the Owens-Corning Fiberglas Corporation has been associated with Curtain Wall construction for the past ten years through various testing product development and sales assignments. He was engaged for five years in naval construction work during World War II. He has also served as a Consulting Engineer to many construction firms.



TUCKER

ROBERT P. TUCKER, Manager of Unit Wall Sales Division of the Kawneer Company. Before joining Kawneer Company in 1947, he was an Architectural Designer with W. J. Sloane, New York. His positions with Kawneer before taking charge of Unit Wall in 1957 included Manager of Customer Service, Manager of Architectural Service, and Architectural Representative in Pennsylvania.



RAYMOND

ARTHUR A. RAYMOND, Kansas City District Sales Manager of Truscon Steel Division of Republic Steel Corporation. From Buffalo, New York, he graduated from Cornell University as a Civil Engineer. He has been active in the construction industry since the first World War, and has been with Truscon since the early '20's.



ZAHNER

ROBERT W. TOPHAM, Sales Engineer in the Adhesives, Coatings and Sealers Division of Minnesota Mining and Manufacturing Company, graduated with a B.S. in Chemical Engineering from Franklin and Marshall College, Lancaster, Pennsylvania. With Rohm and Haas for 12 years, he has been with 3M since 1953.

LEO W. ZAHNER, JR., Managing Partner in the Kansas City Sheet Metal firm of A. Zahner and Company, has a first hand knowledge of all phases of metal curtain wall erection and sheet metal. A graduate of Rockhurst and Finlay Engineering College, he has been active in this work for 22 years.

OTTO F. WENZLER, A.I.A., Manager of the Sales Technical Service Department of Libbey-Owens-Ford Glass Company, Toledo, began his career in glass 18 years ago and has been associated with most of the important technical developments in new types of glass and their application during that period. He is a member of the Committee on Condensation Control in Buildings of the Building Research Advisory Board.

WENZLER



F. A. LOEBACH, A.I.A., Manager of Architectural Sales for Kaiser Aluminum & Chemical Sales, Inc., graduated as Architectural Engineer from the University of Illinois and served in many capacities with the Kawneer Company for 18 years. He is Chairman of the Metal Curtain Wall Committee, Building Research Institute. He is also member of the Curtain Wall Committees of the National Association of Architectural Metal Manufacturers and Aluminum Window Manufacturers Association.

LOEBACH



K. E. VAN SCOY, District Sales Manager for Ramset Fastening System, Winchester—Western Division of Olin Mathieson Chemical Corporation, is probably the oldest, active power tool fieldman in the industry. With B-D-R Engineering Company for four years setting up Ramset dealers, his present territory covers the 7-state area around Kansas City.

THEODORE F. PEIFER, Kansas City District Sales Manager for the Zonolite Company, has been with that company since 1948 as Salesman, Machine Plastering Consultant and as Architectural Representative in Philadelphia.

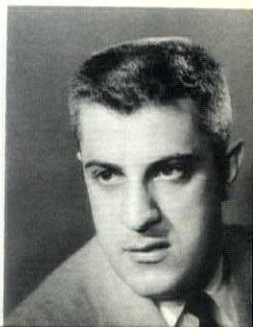
PEIFER

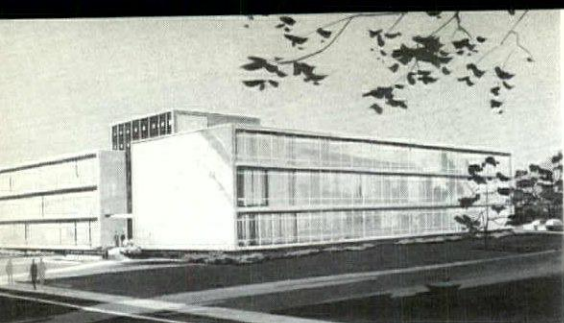


WILLARD W. DIKEMAN, Field Representative for the Architectural Terra Cotta Institute, is a graduate of the University of California and the University of Tulsa. He has been associated with the construction industry for many years. Prior to joining the ATCI in 1956, he worked with construction firms in Tulsa, Oklahoma and Los Alamos, New Mexico.

RICHARD M. KARAKEN is the Branch Manager of the Kansas City Office of Fenestra, Inc. With Fenestra since 1947, he has served in various company capacities in Ohio, Illinois, Missouri and Kansas.

KARAKEN





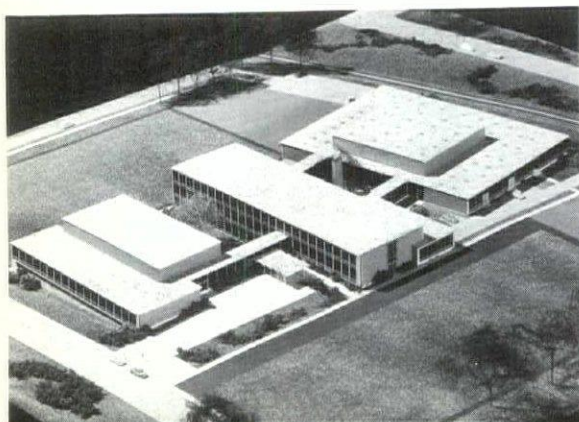
*Old American Insurance Company
Kansas City, Missouri
Voskamp and Slezak, Architects*

*IBM Corp. Office Building
Kansas City, Missouri
Wm. B. Fullerton, Jr., Architect
Earl C. McCamis, Associate*

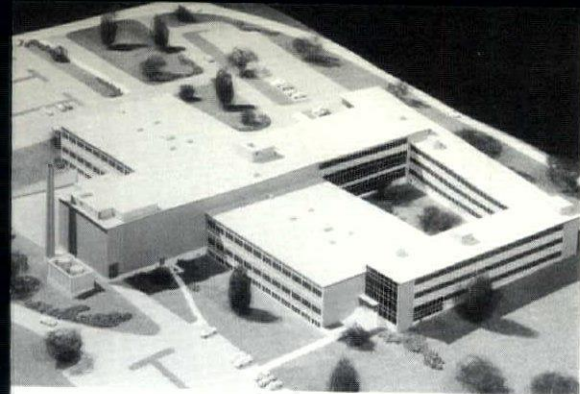
a short look around to
see what has happened
with Curtain Wall in the
Kansas City area and
what will happen shortly.



CURTAIN WA



*Southwest Junior High School
Kansas City, Missouri
Kivett & Myers & McCallum, Architects*



*U. S. Army
Command and General Staff College
Ft. Leavenworth, Kansas
Kivett & Myers & McCallum, Architects*

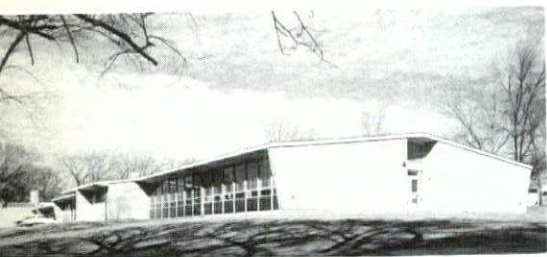


*Milburn Junior High School
Johnson County, Kansas
Marshall & Brown—Perkins & Will, Architects*

KANSAS CITY 1958



*Main Street Building
Kansas City, Missouri
Simpson & Murphy, Architects*



*Snow Elementary School
Kansas City, Kansas
Wilson and Earnheart, Architects*



*Cherokee Elementary School
Johnson County, Kansas
Donald R. Hollis, Architect
J. David Miller, Associate*

PHOTOGRAPH BY WAYNE WRIGHT

OCTAGON STATEMENT ON DRAFTING CONTRACTS

We wish to advise that various Bar Associations are currently giving active consideration to a study of unlawful practice of the law. We have no real evidence of the extent to which they are considering the drafting of contract documents by Architects, but in at least one city the Bar Association is in communication with the local A.I.A. Chapter in this connection.

Some lawyers make the broad assumption that the drafting of contracts is a legal function reserved to lawyers. This attitude was evidenced in a Michigan case in 1950. In that case the judge rescinded his first decision,—declaring the Architect's contract void because he had agreed to draft contracts,—and left the point to be tried on its merits. The case was later compromised so no actual court decision was secured. We know of no court decision on the question dealing directly with the practice of an Architect. We believe any such claim is unsound for the following reasons:

In the A.I.A. Owner-Architect Agreement forms (A-102 and B-102) the statement of what the Architect agrees to do includes the words "assistance in the drafting of proposals and contracts." Since any construction contract is based primarily on plans and specifications, and since they are the functions of an Architect and, through registration and license laws are the legal function of Architects, no construction contract can be properly drawn without the assistance of an Architect.

Such contracts also involve legal problems and provisions and the agreement forms provide that **"The Owner shall provide all legal advice and services required for the operation."** This provision makes it clear that there is no assumption of legal duties by the Architect.

We believe that members of The Institute shall be reminded of these two provisions and should simply call them to the attention of any lawyer who intimates that Architects are illegally practicing law when they "assist" in the development of their contract documents.

It is possible also to refer to a Pennsylvania court decision (*Childs v Smeltzer* 315 Pa. 9, 171 Atl. 883, 111 A.L.R. 19, 28 (1934) in which the Court said:

"There can be no objection to the preparation of deeds and mortgages and other contracts by such brokers so long as the papers involved pertain to and grow out of their business transactions and are intimately connected therewith. The drafting and execution of legal instruments is a necessary concomitant of many businesses and cannot be considered unlawful. Such practice only falls within the prohibition of the Act when the documents are drawn in relation to matters in no manner connected with the immediate business of the person preparing them, and when the person so drafting them is not a member of the bar and holds himself out as specially qualified and competent to do that type of work."

We feel architects should not be unduly concerned by such a claim by a lawyer, but should know how to answer it simply and completely by

referring to the terms of the A.I.A. Owner-Architect Agreement form which we feel any thoughtful lawyer would recognize as a complete answer to his claim. To this end we suggest that a copy of this letter be transmitted to the members of The Institute asking them to report any instance of such a claim that comes to their attention.

John T. Carr Lowe, Institute Counsel
William Stanley Parker, Consultant on Contract Procedure ●

NEW BOOKS

BUILDINGS FOR INDUSTRY

F. W. Dodge Corp. \$9.75

Here is an outstanding selection of new industrial buildings, together with a series of informative studies on trends and factors in present-day industrial building design. Brilliantly illustrated with over 500 photographs and 200 line illustrations.

In this new book are shown 74 separate projects from all over the United States, and several other countries as well. These buildings are organized into the following categories: Warehouses, Light Industry, Consumer Goods, Manufacturing Laboratories, Utilities and Service Industries, and Heavy Industry. This book does not just show a few well-chosen photographs of industrial showplaces. It analyzes each building in detail—shows how it meets the practical needs and the policies of the company, explains choice of site, plan, lighting, colors,

location of loading docks, rail spurs, employee facilities, and dozens of other features.

ESTIMATING GENERAL CONSTRUCTION COSTS

by Louis Dallavia

F. W. Dodge Corp. \$8.50

This book outlines a unique system for estimating earthwork, reinforced concrete, structural steel, masonry, and rough and finish carpentry. The key to Dallavia's system lies in finding a *production percentage* and applying it against three tables to determine *shift cost*, *output range*, and *unit cost*. The system is truly unusual because it takes all variables into account—job location, prevailing wage scale, etc. Also included in a special appendix are checklists and sample estimating forms for general construction operations.

FIFTH ANNUAL ARCHITECTS' CONFERENCE

UNIVERSITY OF KANSAS

MARCH 5-6, 1958

The conference this year, dealing with "Contemporary Church Architecture" was one of the most successful conferences that this building-type series has produced. Subjects and speakers were as follows:

Programming the Church Needs—Harold T. Spitznagel, A.I.A., Sioux Falls, So. Dakota

Creative Design for Inspired Living—Alden B. Dow, F.A.I.A., Midland, Michigan

Form and Meaning in Church Architecture—Reverend Marvin P. Halverson, New York

Presentation to the Client—Joseph D. Murphy, F.A.I.A., St. Louis, Missouri

Conference Summarization—Uel C. Ramey, Wichita, Kansas

Harold T. Spitznagel, the humorist and diplomat of the conference, emphasized important points of a successful Church Building Program such as: an adequate size, an efficient plan, a sensitive Architect, a clearly defined program, a capable contractor, adequate funds, and a Client with a sincere desire to construct a good and appropriate Church. (His talk will appear later in SKYLINES)

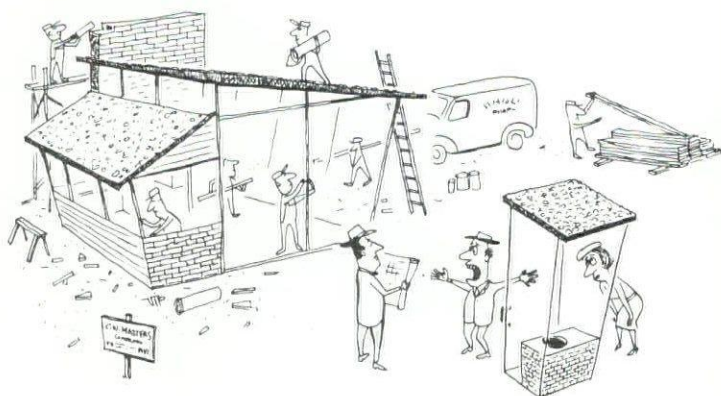
Alden B. Dow illustrated a creative way of life with graphs, a fabulous "home" movie, and slides of his churches and homes. His criteria for good design includes these three elements: honesty (naturalness), humility (a quality of fitting), and enthusiasm.

Reverend Halverson emphasized that Churches should be visible forms of particular denomination traditions. There is a definite trend toward a more distinct definition of various traditions. He feels that significant forms in Church design can only come when the Church itself clearly analyzes its basic purpose and function. In fact, it is the Architect's duty to demand that this matter be

clearly resolved before starting the design of a Church. He used an enlightening example to illustrate the true function of worship—instead of comparing the worship participants to theatrical components in this manner: God as the prompter, the minister and choir as the actors, and the congregation as the audience; a more true comparison would be: the minister as the prompter, the choir and congregation as the actors, and God as the audience. Many churches, he feels, are returning to the realization that corporate worship is primarily a personal offering to God, and not a festival of processions and choirs.

Joe Murphy presented his subject with his unique gentle persuasiveness—much like the eye of a hurricane. He feels that the most important step in the presentation of Preliminaries is to keep the client fully informed during the design evolution so that the Final Presentation comes not as a shock, but as the only logical conclusion.

Uel Ramey admirably summarized the Conference emphasizing that "care" is perhaps the most important ingredient in a successful design of the Contemporary Church.



"But we didn't want this much Glass"

For your enjoyment: courtesy Pomona Tile Manufacturing Co.

CHAPTER NEWS

● **Edward W. Tanner** presented slides of his trip to Greece and the Middle East at the February Chapter Meeting—a first-hand review of Architectural history superbly recorded and presented.

● **Mr. Paul K. Garber**, of Woodward, Clyde, Sherard and Associates, Soils Engineers gave a very interesting talk at the March Chapter Meeting. His description of how his firm approaches the problem of soils investigation was enlightening and clearly indicated the benefits to be derived from their specialized knowledge. Their approach to consultation on the typical job consists of five stages: (1) a field survey of their personnel to determine (from the evident characteristics of the terrain) which method of testing is most suitable, after which a general cost estimate can be given and the testing completed, using trained supervision; (2) laboratory testing of the field samples; (3) analysis of the laboratory findings; (4) consultation with the Architect (and Structural Engineer) after which a formal report is submitted; and (5) inspection of actual soil during construction to compare the actual conditions against test boring indications. Their investigations include not only test bearing value and foundation recommendations, but all other factors concerning the soil and its affect upon the proposed building (compaction, retaining wall loading, effect of water table, settlement, etc.).

Mr. Garber illustrated his talk with two interesting stories. Two Salvation Army girls, who had

just completed a hard day's work, returned to the apartment which they shared and started to undress for a shower before going to bed. One looked at the other in great surprise and said, "Why Emily, what a large tummy button." Emily turned to Phoebe and said, "All right, tomorrow I'll beat the drum and you carry the flag."

His other story defined Soils Engineering by comparing it to women's foundation garments. Many women require some means of control to counteract the forces of nature, whereas a few are naturally endowed. On the other hand, there are some women who are in eminent danger of plastic flow.

● Our Treasurer is going to start chopping heads unless we back him up by turning in our Chapter Meeting Dinner Reservations. The March meeting hit a new low with 14 reservations (3 late) and actual attendance of 44. Really!

● 47 Tulsa business and civic leaders visited Kansas City on February 6th to study the urban redevelopment freeway layout, and other civic projects. John Murphy met with them to discuss the KC/80 project.

● Thanks to **Tom Wiley** of the Producer's Council for his untiring efforts in the accumulation of all the facts, figures, and photographs that made this special issue on Curtain Wall possible.

● Thanks to **Don Drummond**

(architect, not the builder) for his wonderful pictures of the Boley Building and the Louis Curtiss Office Building that appear in this issue of SKYLINES. Don is working with Bill Conrad. You should see the pictures he took on his recent motorbike tour of Europe.

● The Northern Illinois Chapter of the AIA is promoting a European tour this summer geared specifically for Architects. The tour, being arranged by Gordon Travel Service of Chicago, will leave Chicago July 19th and return August 14th. The main attractions will be a visit to the Brussels World's Fair and the following cities: Dusseldorf, Co-

logne, Koblenz, Geneva, Helsinki, and Stockholm. Cost of the trip will not exceed \$1,462.00. For additional information write to: AIA European Tour, 725 Parkview, Rockford, Illinois. Remember that it takes eight weeks to obtain Soviet visas!

● The model of the KC/80 Civic Center and the overall Central Business District model appeared in the \$18,000 movie, "Sound of a Million" produced jointly by the Kansas City Chamber of Commerce and the South-Western Bell Telephone Company. A refreshing approach to Public Relations keyed for the stimulation of industry, the movie is a model of movie-making skill.

NEW MEMBERS

The Chapter wishes to welcome the following two new members:



Junior Associate member, John E. Hoffman, received his degree at the University of Kansas. A native Kansas Citian, John is with Burns and McDonnell and is registered in the state of Kansas.



Associate member, William H. Wilson, is a partner in the Overland Park firm of Boyle and Wilson. A former member of the Kansas Chapter, Bill received his degree at the University of Kansas and is registered in Missouri and Kansas.

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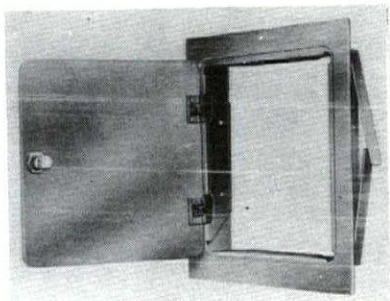


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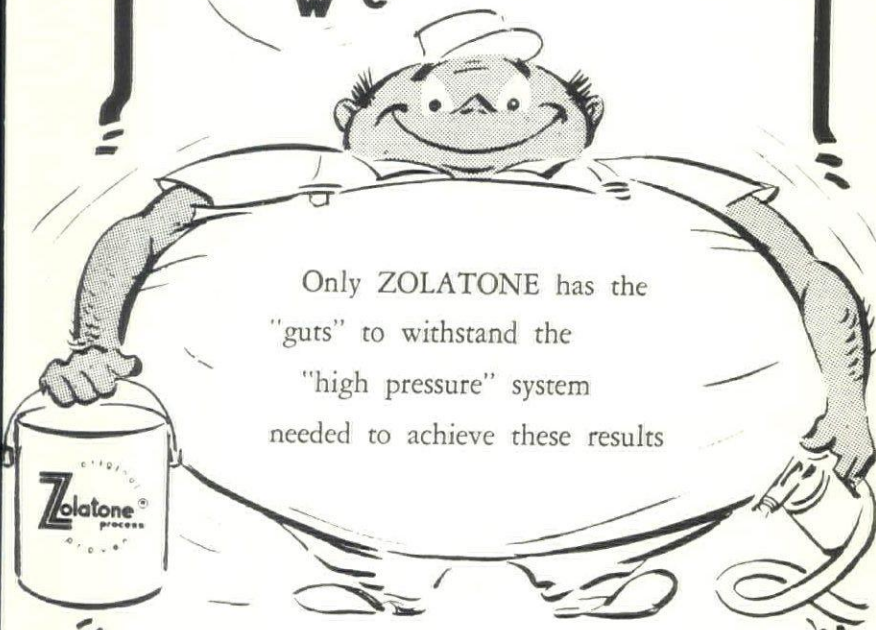
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