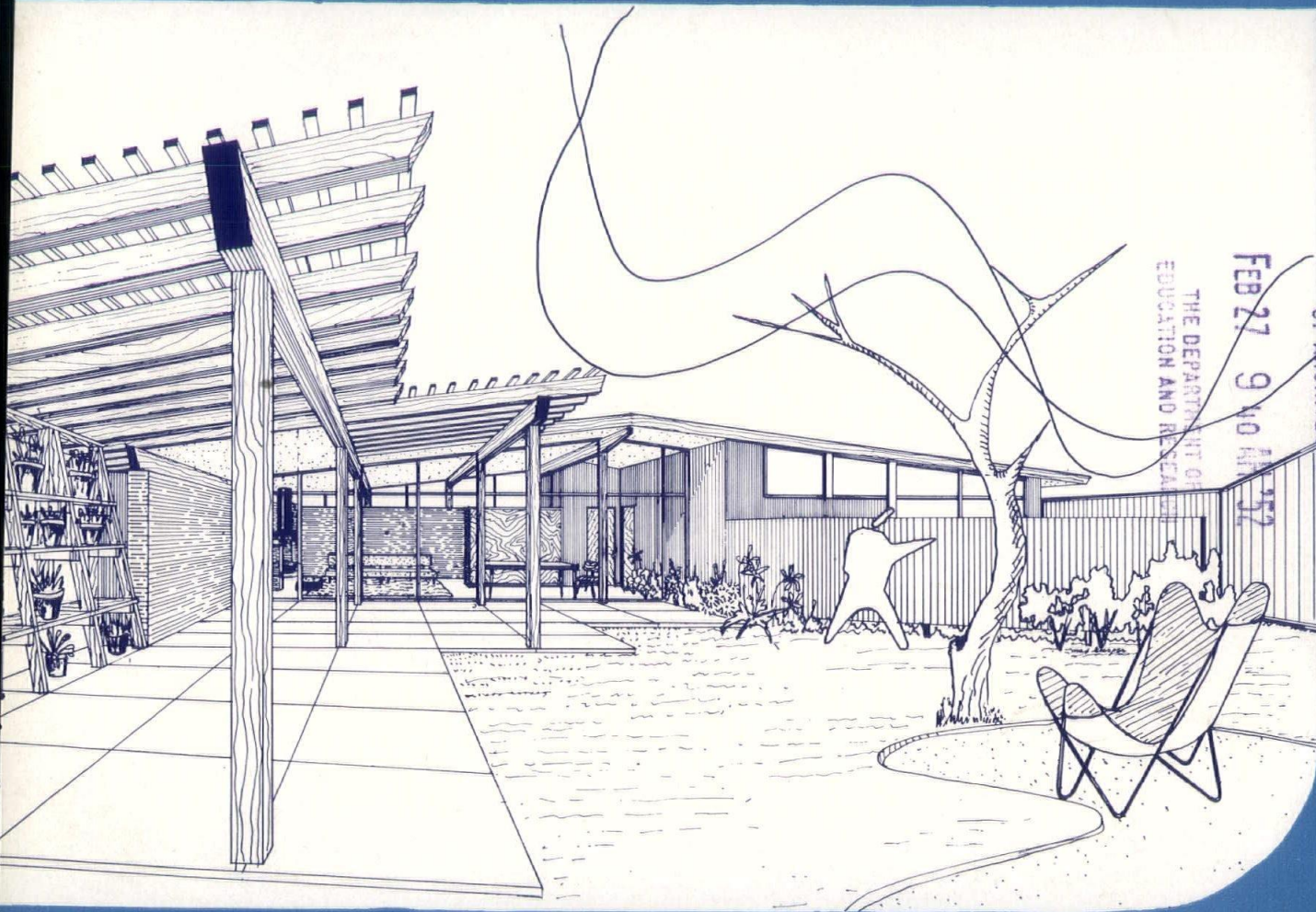


FEBRUARY • 1952

Vol. X

No. 2

# OHIO ARCHITECT



THE AMERICAN INSTITUTE  
OF ARCHITECTS

"The American House" The Cleveland Chapter's Project at the Greater Cleveland Home and Flower Show. See Pages 6 and 7.

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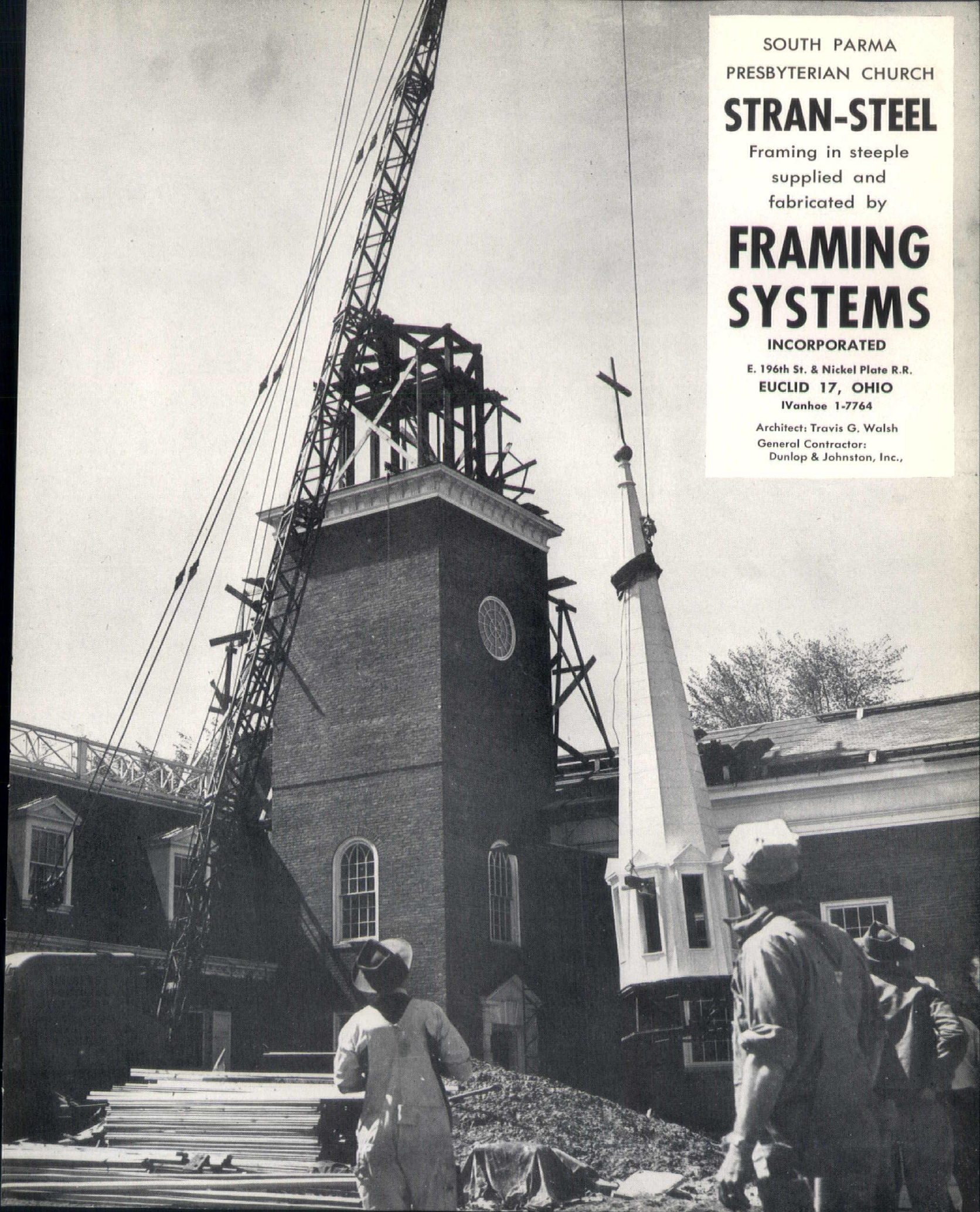
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RALPH C. KEMPTON.....*Editor*  
2750, 50 W. Broad St., Columbus 15, Ohio  
CHARLES L. BURNS.....*Business Manager*  
Publication Office: 6523 Euclid Ave., Cleveland 3, Ohio  
Telephone EXpress 1-8700  
E. B. STAPLEFORD.....*Cleveland Advertising Manager*  
ED SELTNER.....*State Advertising Manager*

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COLUMBUS CHAPTER, A.I.A.—Ralph Kempton, Secretary, Ohio State Board of Examiners of Architects, 2750, 50 W. Broad St., Columbus 15, Ohio.  
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DAYTON CHAPTER, A.I.A.—John Sullivan, Jr., 419 Third National Bank Bldg., Dayton 2, Ohio.  
EASTERN OHIO CHAPTER, A.I.A.—J. Arthur Scott, R. D. No. 1, Peninsula, Ohio.  
TOLEDO CHAPTER, A.I.A.—John P. Macelwane, 531 Nicholas Bldg., Toledo, Ohio.

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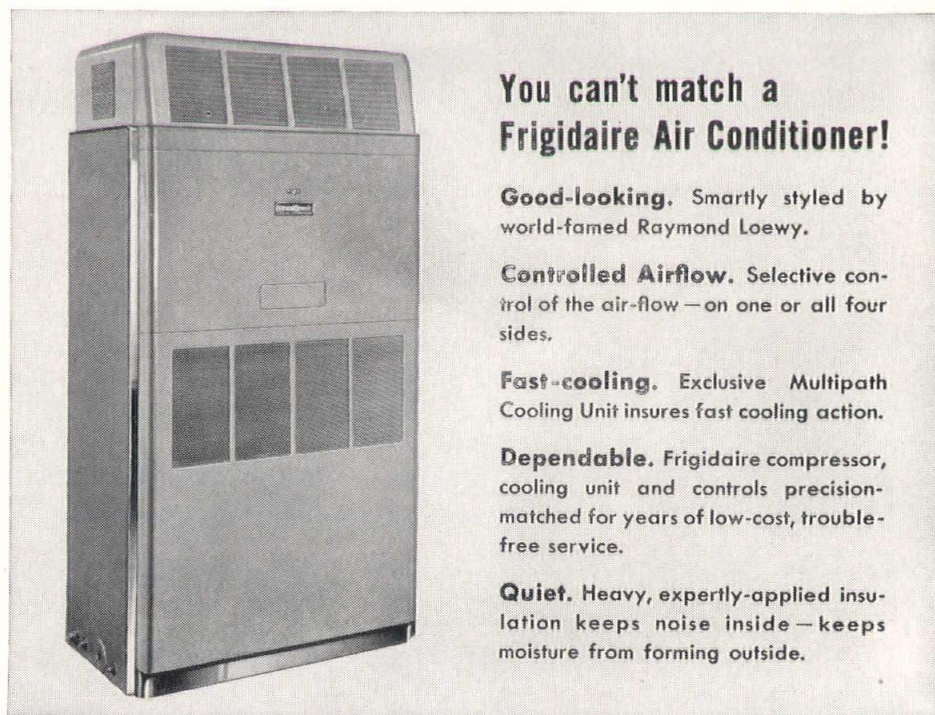
### Reach-in Refrigerators

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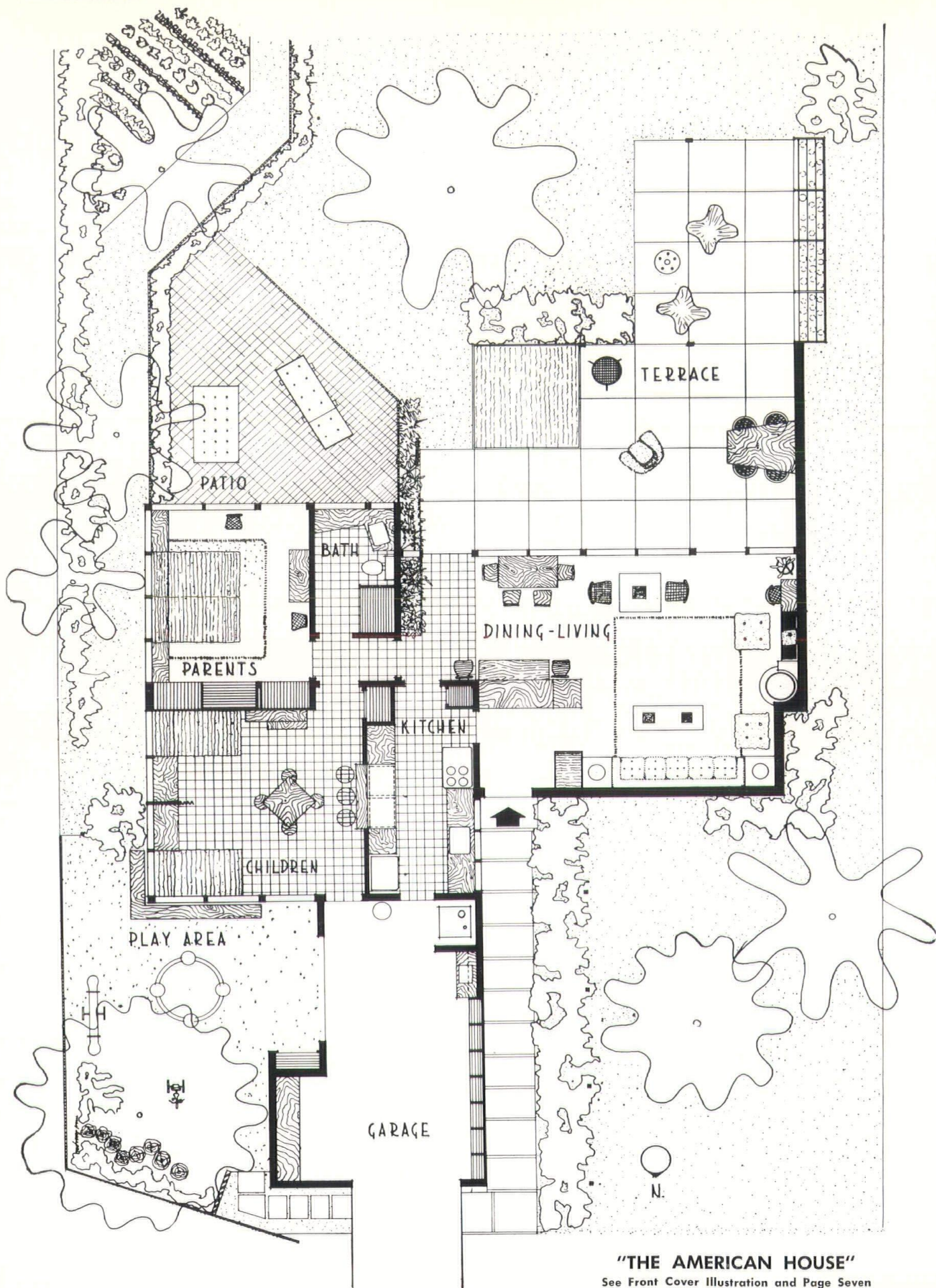
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**"THE AMERICAN HOUSE"**  
See Front Cover Illustration and Page Seven



## "THE AMERICAN HOUSE"

### CLEVELAND CHAPTER, A.I.A. FLOWER SHOW HOUSE

By ALFRED W. HARRIS

*(See Front Cover illustration and opposite page)*

The yearly participation of the Cleveland Chapter of the A.I.A. in the Greater Cleveland Home and Flower Show has become a well established custom. Most of the architects feel that this is an unparalleled opportunity for the profession to educate the public to good and progressive residential designs.

#### Committee Selects Architects Nosek and Miller

The Chapter's flower show committee selects an architect each year whom it thinks can further this purpose with a house design for which it has written the program. Committee members, Chairman Wilbur Riddle, Robert A. Little, Joseph Ceruti, and Alfred W. Harris selected Anton G. Nosek, Jr. and John E. Miller to design a contemporary house of about 1100 square feet exclusive of the garage. Soon after preliminary studies were under way Nosek and Miller selected Jane L. Hanson to do the furnishing and decorating of their exhibition house. The close collaboration of architects and decorator has been noteworthy and the results should be readily apparent when the show opens March 1st in Cleveland's Public Auditorium.

#### To Be Designated "The American House"

In the preceding three years the A.I.A. houses have been labeled "The House of Ideas," "The House that Jack Built," and "A House to Remember." This year it will be called "The American House" because its design incorporates contemporary American Style, orientation, privacy, and outdoor living. The American House recognizes:

1. The trend toward informal living.
2. The disappearance of domestic help.
3. The needs of the individual, both children and adults.
4. The importance of privacy.
5. The need for climate control.
6. The desire for sunshine and outdoor living.
7. The uses of the products of the machine age.
8. The role of the automobile and the nuisance it makes on the roads in front of the house.
9. The new construction techniques.
10. The new materials.

There is no one plan, shape, or material for the truly American House. Nosek and Miller's plan is not an attempt to answer all of the problems of contemporary house design. Rather it is the logical solution to a given set of requirements of one family, for one particular lot, in this climate. It is contemporary residential architecture which isn't just a style, but an attitude towards life, an approach which starts with real people and their needs, physical and emotional, and tries to meet them as directly as possible with the best procurable means.

#### To be a W.R.U. Student's Project

To explain this and the house to the public an educational exhibit will be erected in the Flower Show to

attract people as they leave the terrace of the American House. This exhibit will be designed and erected by the students of the School of Architecture of Western Reserve University in a competition.

This competition was proposed by Flower Show Manager, Ralph P. Stoddard who is presenting the school with \$500.00 to be used for prizes and exhibit expenses. There are three parts to this problem. The first, to design the overall exhibit which also must include space for the decorator and for the Cleveland Chapter of the A.I.A. which maintains an architect there at all times to answer questions and to give printed architectural facts and information to interested people.

#### Interesting Competition Material Produced

This part was issued to the students on February 4 and was due February 11. The judgment was at 6 P. M., February 11, and the jury was composed of Show Manager Stoddard, and Architects Miller, Nosek, Riddle, Droppers and Von Gunten. Winner will receive \$100.00 and must then make working drawings and secure the materials. The rest of the class was divided into ten groups of four students each to illustrate ten different subjects pertaining to the house. The ten winning panels will be used as part of the educational exhibit and each of the ten winners will receive \$20.00. The jury for this part included Architects Harris, Ceruti, Brogini and Von Gunten and Designers O'Sickey and J. P. Miller.

The final part of the competition was for the students to erect the exhibit in the Flower Show and have it ready for the opening Saturday at 12 noon, March 1st.

Space for the exhibit is given to the architects without charge by the Flower Show Management. However, the Cleveland Chapter has appropriated \$500.00 for exhibit expense and printed leaflets. They were designed by Mort Epstein this year and about 20,000 will be distributed. Those architects interested in residential commissions have their names listed in this throw-away for a slight charge. This educational effort on the part of Cleveland architects is in its fifth year at the Flower Show and seems destined to continue for many more, since the Show has developed into the largest and best of its kind in the United States.

#### Notice of Special Meeting of A.S.O.

A special meeting of the Architects Society of Ohio, Inc., is called for April 24th, 1952 at Hotel Biltmore, Dayton, O. This meeting, which will begin at 1:00 p. m., will be held in connection with a meeting of the A.S.O. Executive Board and is for the purpose of amending our present By-laws to permit the Executive Board to use funds now held in reserve by the Society. This is urgent and all members are urged to attend.

CHARLES J. MARR, Sec'y

WM. B. HUFF, Pres.



# IMPRESSIONS OF AN ARCHITECT ON A BOOTH TRAVELING FELLOWSHIP

Part Three of a Series — Continued from January 1952 issue

By ROBERT C. GAEDE, Associate Member, A.I.A.

*Stockholm:* It is remarkable to note the speed of Stockholm's growth. Americans are accustomed to thinking that the phenomenon of rapid growth is typified chiefly by American (North and South) cities. A comparison of the maps showing the built-up areas in Stockholm in 1897 and 1947 exhibits an urban explosion such as that of, say, Cleveland. The older Stockholm occupied a concentrated area separated into islands by the sea and the arms of Lake Malaren, a fresh body of water of torturous outline. The most central island, Staden Mellan Broarna, constitutes the medieval city site. This extraordinary fragment of an earlier way of urban life is maintained as an historical monument and enjoys continued use. Around this nucleus are the streets of 19th century Stockholm, chiefly in a grid-iron pattern but relieved by squares and round-a-bouts, and boulevards and parks. The few churches in the city—all very large—are, generally, isolated in parks of their own serving as green spaces for the densely populated surroundings. This grid-iron system is lined quite solidly with 5, 6 and 7 story structures whose ground floors are nearly all taken by little shops affording most of the housekeeper's wants within a few steps of the apartment entrance. The endless facade of Renaissance windows and associated details hovers over the busy, yet rather discreet, parade of shop signs in three dimensional block letters and neon. Quite casually Stockholm's many movie houses are inserted into these standard facades in a manner demanding some respect. A short extension of up-tilted roof juts out over the walk and bears a severely-styled name on the coping. Simple, direct and austere, it compares with the bloated, jazz-bound American version and appears the more pleasing.

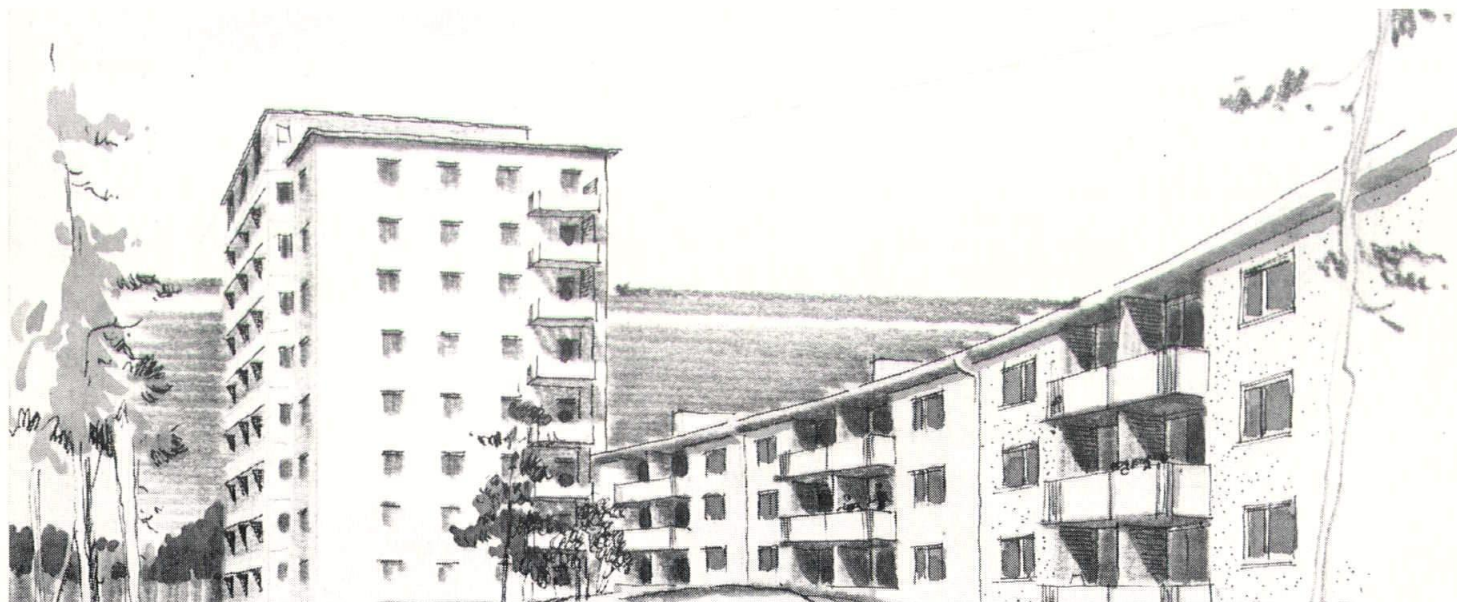
The limits of the 19th century districts are made sharply clear by a series of circular boulevards—ring streets. The newer housing in town makes use of an entirely different land-use program. The first step in

the emancipating process was to give up the solidly-built-in canyon-type street in favor of long 6 to 9 story blocks of houses running in parallel but at right angles to the streets. Next, these often dreary abodes, somewhat relieved by the green areas harbored between, were improved by schemes wherein the long buildings were replaced by shorter and taller ones of 8 to 11 floors. More green areas crept into the plan and the balcony began to appear as a desirable feature. The most recent metamorphosis is expressed in the outer, forested districts where one sees combinations of 3 and 4 story buildings, one apartment deep and 200 to 600 feet in length, a few towers of 7-10 stories set in a rhythmic pattern and a single flat of 11-13 story height acting as a focal point. Shops, previously under the apartments, are gradually being established in separate shopping groups. Integrated with the new schools and public buildings as well as a road pattern carefully defined by the city planning commission, the new housing areas enjoy an imaginative and fresh urban form closely allied with the natural beauty of the terrain. This is all the more spectacular when seen under construction. Private and co-operative building agencies erect entire neighborhoods at one time, all carefully planned to correlate with the past and future living patterns of the city, and all fitted with schools and transport, shops and services as the first families move in. Considering how short a time ago Stockholm was a small capital city of a sleepy, agrarian nation, the rapidity of modern urbanization (and the high quality of it) is the most electric thing about the city.

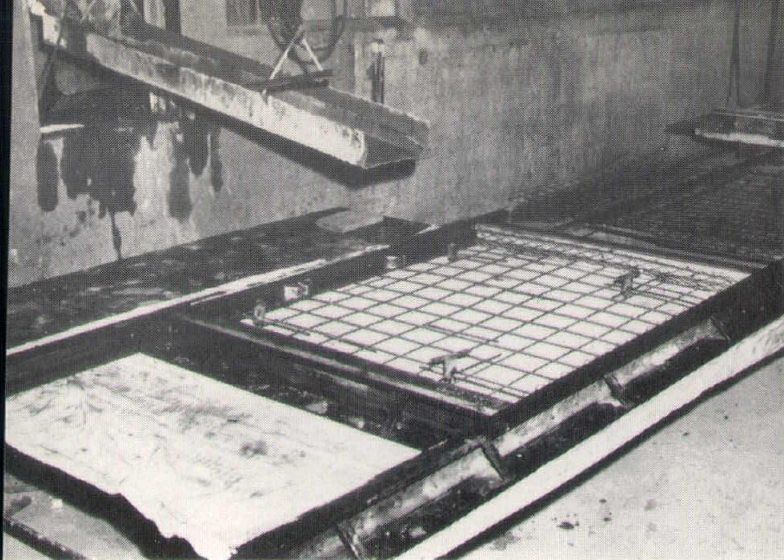
No one will fail to conclude that Stockholm's unique location and topography provides her with a remarkably dramatic setting. Besides the choice of fresh or salt water, there is the underlying mass of granite cropping out, colorfully and boldly, all over the city. The long

(Continued on page 21)

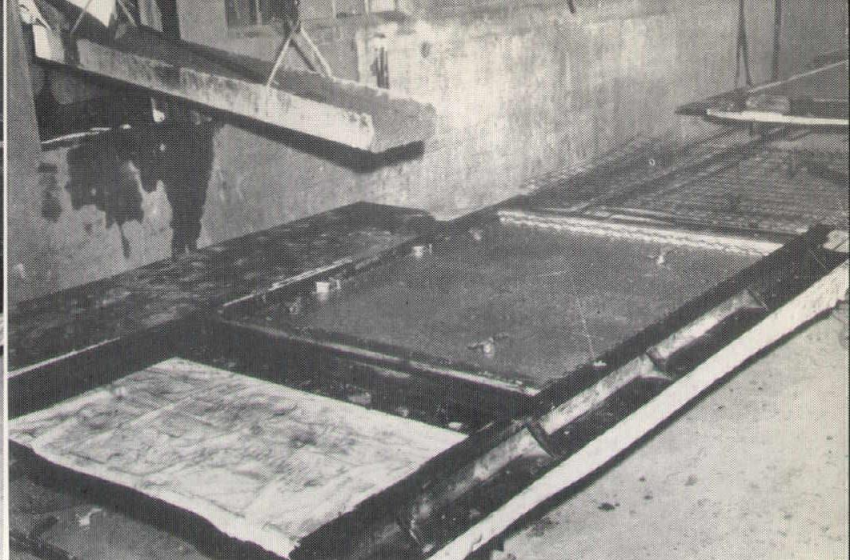
The new neighborhood at Vasterborg. Stockholm, demonstrates the current planning thesis of arranging long, often curved 3-story walk-ups with "point" houses of 8 or more floors — all grouped informally around the evergreen forests and granite outcroppings typical of the area.







First step in the construction. Muslin facing cloth is placed in the form with reinforcing mesh, inserts and perimeter shear ties.



This is the way the slab looks after the first pouring of concrete and two minutes of vibrating.

## New Insulated Sandwich Wall Developed

After more than two years of research, construction engineers have reduced the cost of masonry construction by developing an insulated sandwich wall for commercial, industrial and residential use.

Designed by Ford, Bacon and Davis, New York architects, under the supervision of Phil Grennan, the wall is now being installed in a huge industrial plant in Marietta, Ohio, by the Marietta Concrete Corporation.

This development can be used as a curtain wall to be attached to structural iron or as a load-bearing wall.

So successful have the applications been that Neil Christy, chief engineer of the Marietta Concrete Corporation, has built a plant for manufacturing these sandwich type panels.

The panels are made in slabs of 8 by 8 feet up to 8 by 30 feet and are five inches thick. The edges of the standard panels are tongue and groove on all four sides to produce an interlocking joint. Here is how they are constructed:

The steel forms in which the panels are cast are first cleaned and oiled with a parting agent consisting of a mixture of castor oil and fuel oil. Muslin is then

stretched over the bottom form plate, and the perimeter rails are placed in position and fastened to the bottom plate by driving slotted key bolts through the muslin to matched holes.

This procedure stretches the muslin tight against the bottom of the form and holds it in place while the panel is being cast. The first layer of wire mesh is placed on the form and held in place by one inch galvanized slab bolsters. The form is then moved to the vibrating section of the rail system which consists of a 500 V Syntron vibrator mounted on a steel framework which supports the rails.

Concrete is then deposited in the forms by means of a clam shell type of concrete bucket mounted on a trolley beam. The complete form with the first layer of concrete in place is vibrated for approximately two minutes, and pre-formed Fiberglas insulation is then placed on the vibrated concrete.

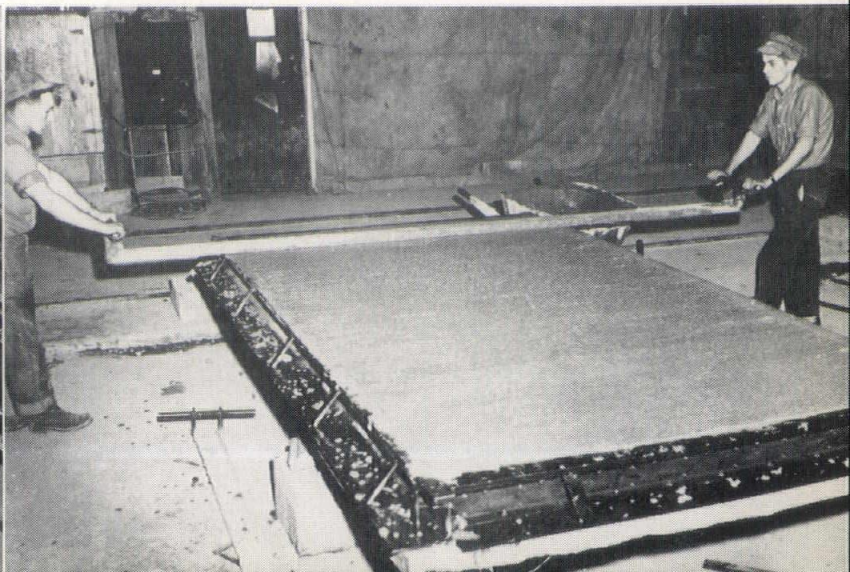
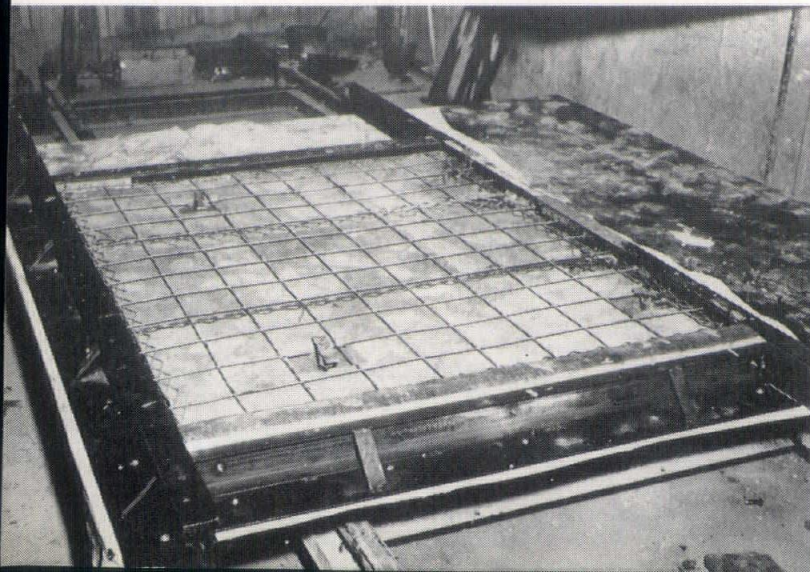
The lifting hooks and expanded metal shear ties are also worked into place along with the placing of the Fiberglas insulation.

The second layer of concrete is then deposited on the Fiberglas insulation and the form is vibrated for the second time for two minutes. A steel screed is then used to "strike off" the concrete even with the top of the form, after which the surface is smoothed with a large

*(Continued on page 19)*

Now the Fiberglas insulation has been placed on the first concrete pour and is held into position by more reinforcing mesh.

After second pour, concrete is vibrated again for two minutes, then screeded to finish and made ready for curing room.





## OUR PRESIDENT'S MESSAGE

In recent years we have seen much effort expended toward improved public relations by great industries, trade associations, professional organizations and by individual mercantile and other firms. For many years we have heard much said about public relations and the architectural profession and it seems that in the last few months the chapters, state organizations and the A.I.A. have been really giving this problem intensive study and programs are under way. To our members this is a healthy sign and the answer to their demands. At last something is being done about it.

What is the "Public Relations" about which we hear so much? The public relations which the members ask for and those programs being sponsored by the various segments of our profession are in reality "planned publicity." They are planned to tell the public more about the architect, what he does, what he can do and how much better he can do it than many of those in allied activities who are taking over some of his responsibilities. They tell that the architect is equipped to handle the complete building in all its phases, and knows how to bring it to a success-



WILLIAM BOYD HUFF  
President A.S.O.

ful aesthetic and economic conclusion. I am in favor of these programs and activities, and think that they should be expanded and continued.

However, let us ask ourselves whether these publicity programs constitute public relations. It has been truly said that "Public relations simply mean human relations applied to the public." Surely the public relations of the architectural profession is the sum total of the human and professional relations which the many architects have with the persons, organizations and firms whom they serve, and with whom they come in contact. Proper relations by the individual architect are bound to reflect credit upon the whole profession. Surely we all realize that there are many, otherwise well educated, persons who have no knowledge of what the architect is or does. It certainly follows that those persons who have had some contact with one, or a few, architects will consider all architects by their impressions of those whom they have observed.

In consideration of these truths as to individual impressions should we not as individual architects ask ourselves some pertinent questions, such as:

Do we endeavor to continue our quest for knowledge that we may be more competent in our profession?

Do we seek, and contract our services for, only those types of projects of which we have experience or comprehensive and basic knowledge?

Do we use competent consultants when we are not sure that we alone can properly solve our problems?

Do we conscientiously endeavor to free our "instruments of service" of all ambiguity?

Do we deal fairly with all parties concerned?

Do we avoid the practice of showing authority just for authority's sake?

(Continued on page 20)

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## COMPLIMENTARY DINNER FOR CLEVELAND ARCHITECTS

Captain H. Ledyard Towle, nationally known color consultant will address a dinner meeting for Cleveland architects to be held Tuesday, February 26, 7:00 P. M., at the Hotel Allerton, Cleveland, Ohio.

The affair and dinner is given by and with the compliments of the Pittsburgh Plate Glass Company with which Captain Towle is associated as the Color Engineering Consultant. For reservation, contact Larry G. Cooney, Phone ATlantic 1-6600.



Capt. H. LEDYARD TOWLE

The topic of his discussion is "Functional Use of Color in Architectural Practice."

Captain Towle has over 45 years' experience in the field of Fine Arts, Color Design and Research. He studied at Adelphi College, Art Students League of New York and Pratt Institute, and has exhibited at National Academy of Fine Arts, Philadelphia; Chicago Art Institute, Chicago, Ill, Carnegie Institute, Pittsburgh, Pa., and the Architectural League of New York. Captain Towle's famous portrait of Captain Eddie Rickenbacker, painted from life, has been hanging in the Historical Art Section at the Smithsonian Institute in Washington since 1920.

He is the author of the first article on camouflage to appear in this country (New York Times, Magazine

Section, April 1917), which was followed by his appointment as Instructor in Camouflage, School of Architecture, Columbia University, New York. During World War I he was Instructor in Camouflage as Captain of Infantry, 27th Division.

At the present time he is a member of the Society of Automotive Engineers; Illuminating Engineering Society; Museum of Modern Art; and the Connecticut Academy of Fine Arts.

With his wealth of experience in the field of color and its application, Captain Towle will point up some of the practical as well as design possibilities in correct use of color.

## Where Do We Go . . .?

When the air raid alarm sounds, the residents of target cities will march in good faith to shelter areas in existing structures designated by census takers who are unqualified for this responsibility, the AIA National Defense Committee warned FCDA Administrator Millard Caldwell in a recent letter. Acting Chairman Harold B. Willis attacked the civil defense agency's arrangement to use Bureau of Census workers in their shelter surveys, and contended that each construction survey team must be led in the field by technically qualified personnel if the results were to be adequate in terms of the public safety, and of lasting value. He said two panels of special consultants had condemned the present census arrangement by which the findings of field enumerators are reviewed only by a central technical group. Short of a Federally-aided shelter program, Willis pointed out, the shelters in existing structures now being chosen will be the only ones available, and it is thus urgent that no Category 1 (the most protective type) shelter be designated save by technically qualified persons.

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## Neo Sales Awarded Annual Trophy

Neo Sales, Inc., of Cleveland was recently awarded the Modernfold Trophy given annually to the nation's outstanding distributor of Modernfold—the accordion-type folding door. The presentation was made to W. K. Barkett, president of Neo Sales, Inc.

In achieving this honor, Neo Sales, which sells Modernfold in the counties of Ashtabula, Trumbull, Mahoning, Columbiana, Carroll, Tuscarawas, Portage, Stark, Lake, Cuyahoga, Summit, Lorain, Medina, Wayne, Holmes, Geauga, Erie, Huron, Richland, and Ashland, won out over 130 other distributors.

The award was based on overall sales and distribution results obtained by Neo Sales who in the past year have sold Modernfold Doors to many thousands of residential, institutional, and commercial users in Northeastern Ohio.

The Modernfold Trophy becomes the permanent property of Neo Sales who, incidentally won a similar award in 1949, and enthusiastically report that they will strive to add a companion trophy when the 1952 figures are compiled next year.



H. D. Oberdorfer, President of New Castle Products, Inc. (left) presents W. K. Barkett, President of Neo Sales, Inc., with the Modernfold Trophy for 1951 sales.

Neo Sales are also distributors of Goodyear Vinyl and Rubber flooring, Robbins Ironbound Wood Strip, Dodge Vinyl Cork Tile and Minnesota Mining Adhesives.

"Woody Barkett" is a man who will always look into "what may be an opportunity."

Four years ago he decided that the distribution of Modernfold doors in northeastern Ohio was an opportunity for him. What he did with this opportunity may again be seen in the picture at the left.

We feel that many architects and builders are happy for him as they helped him in this success.

The Warner-Kanter Co. of Cincinnati is building two garden-type apartment projects in Cincinnati, Canterbury Gardens and Straford Gardens. Both projects

are using Modernfold Doors for all closets in each apartment. Approximately 4000 Modernfold Doors will be required and the illustration here shows Pete Durbrow (left of Durbrow-Otte Associates, Inc., Cincinnati distributors of Modernfold doors, explaining their many features to Marvin Warner (center) while D. C. Daniels, (right) Sales Manager of New Castle Products, Inc. of New Castle, Indiana, manufacturers of Modernfold

checks on his sales talk.



*Mr. Architect: Never underestimate the power of a woman—*

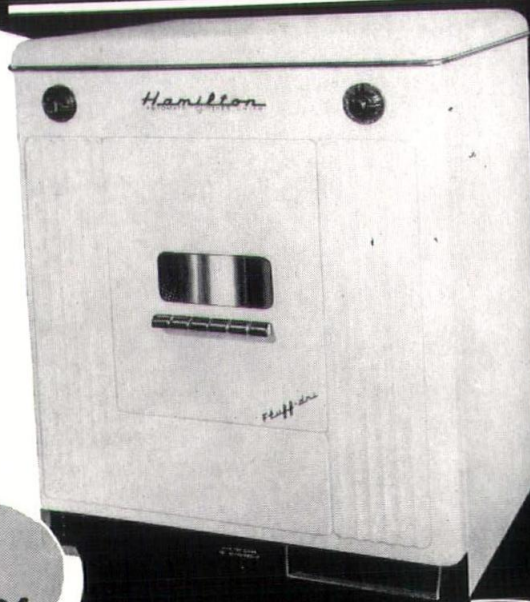
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- DAYTON  
The York Supply Co.  
531 East 3rd St.
- TOLEDO  
Buckeye Appliance & Sporting Goods Co.

THE OHIO



## Building on Stilts "All A Mistake"

PARIS, Dec. 15.—The French Council of State—supreme court—has ruled that the famous 17-story apartment building on stilts in Marseille, the work of Architect Le Corbusier, should never have been built.

The council's ruling became known today. It took two years to make up its mind and as the building now is practically complete, it won't be demolished.

The building has 350 apartments, shops and even streets. Every second floor has a corridor lined with shops as well as apartments. The ground floor is 13 feet off the street level to give it more light.

The building was started shortly after the liberation. The minister of reconstruction, who at that time was Communist Francois Billoux, okayed the deal, despite a protest from Marseille Mayor Michael Carlini that the money would be better spent on houses in the suburbs.

In 1949, the "Society for Esthetics in France" formally asked the Council of State to annul Billoux's decision, saying the building was too ugly. The council has just agreed, two years too late.

The building of Le Corbusier, who helped design the United Nations sandwich-style building in New York, cost more than \$5,700,000. The original estimated cost was half that. Now, no one wants to live in it.

The state is thinking of trying to sell it to the army or navy or education or interior ministries.

## CHURCHMAN'S EXPOSITION

Architects who have recently designed churches are invited to exhibit their work at the International Churchman's Exposition in Chicago May 19-24. Deadline for exhibitions is May 14, but registration immediately is requested on forms available from the Exposition office, 19 S. LaSalle Street, Chicago 3, Illinois.

## Del Garrison New Sales Manager For Davidson Enamel Products

Davidson Enamel Products, Inc., of Lima, Ohio, announce the appointment of Delmar (Del) G. Garrison, as Vice-President and Sales Manager for Davidson Enamel Products, which includes the Architectural Porcelain Enamel Division.

Graduated in 1933 from the University of Michigan with a BS degree in Civil Engineering, "Del" has a liberal background in engineering and construction work, which makes him exceptionally well qualified for his recent appointment with Davidson.



DELMAR G. GARRISON

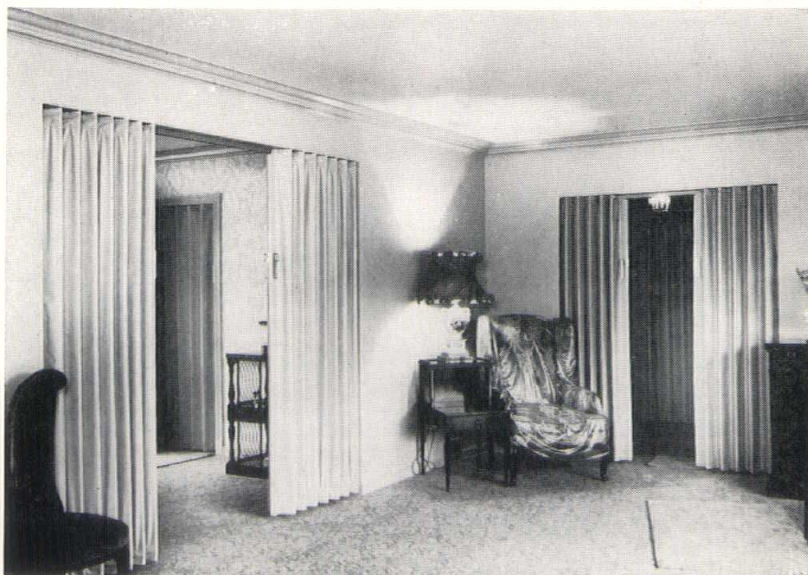
"Del" comes to Davidson from Sun Oil Company, where he served for a number of years in engineering; then as field engineer and finally as Western Regional Engineer. In this latter capacity, he had charge of construction of bulk plants, terminals and service stations in the Western Region, comprising of Ohio and Michigan and portions of West Virginia, Indiana and Kentucky.

He is a member of Tau Beta Pi, National Honorary Engineering Society; Engineering Society of Detroit and American Society of Civil Engineers. He is also Registered Professional Engineer in Ohio, Michigan and Indiana.

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## "Spot Welder" for Plywood Paneling



Using recently perfected portable high-frequency electric gluing unit, workman is shown actually "spot welding" plywood wall paneling in place within a matter of minutes.

United States Plywood Corporation, world's largest plywood enterprise, endorsed the electric gluing unit, which eliminates the use of exposed nails and permits lower cost and quicker installations of plywood wall paneling. In some cases the new units may be rented.

## Art Metal Releases New Products

Seventy-five new products for incandescent lighting applications have been developed by The Art Metal Company, Cleveland, Ohio. The first group will be released March 1, and the balance will be released every two weeks through next September.

Detailed information is given on the product release sheets. Illustrations, cross section drawings, photometric curves, coefficient of utilization tables and product ap-

plication suggestions are included to simplify selection and specification writing.

The addition of these 75 new products will enable Art Metal to offer an even more complete coverage of incandescent lighting applications.

Write to Art Metal Company, Cleveland 3, Ohio, to get the information on the new products.

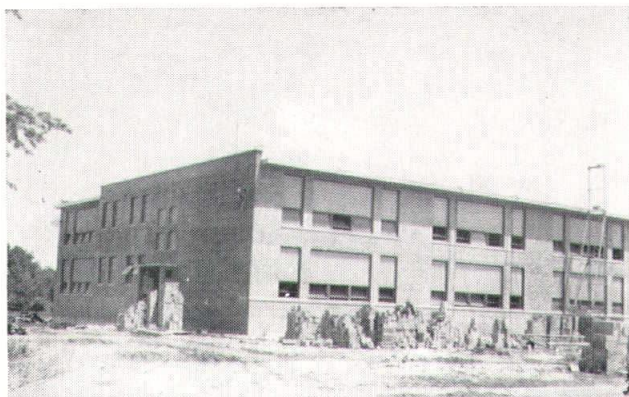
## STERNER APPOINTED TIMBER STRUCTURES DISTRIBUTOR

Elton E. Ellis, Manager, Eastern Division of Timber Structures, Inc. announces the appointment of Howard S. Sterner Company, 30 East Broad Street, Columbus, Ohio as Distributor of their products in the Central Ohio area.

Timber Structures, Inc., is the country's largest producer of fabricated structural timber items. The firm has pioneered and developed the use of glued laminated structural members in all types of structures. There are many industrial, commercial and church structures in the State of Ohio, that utilize their standard Arch Teco Bowstring trusses, glued laminated beams or glued laminated arches. One of the most notable projects just recently completed is a 145,000 sq. ft. warehouse addition to the Elyria, Ohio plant of The American Radiator & Standard Sanitary Corporation. This warehouse utilizes glued laminated columns, beams, purlins and 2" T&G Douglas Fir roof decking. The entire structure was manufactured, fabricated, assembled and erected by Timber Structures forces.

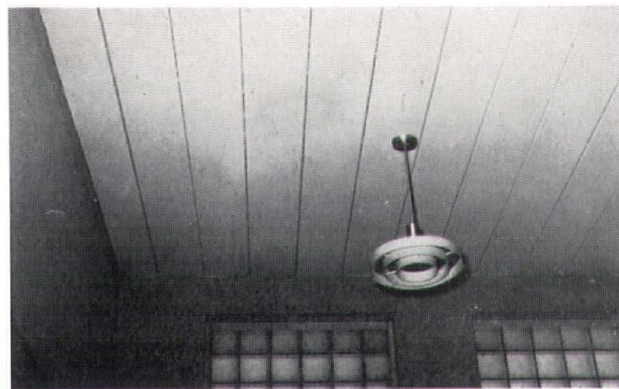
Mr. Ellis states that the Howard S. Sterner Company is exceptionally well qualified to handle Timber Structures products, since the principals of that firm are Structural Engineers of note and their thorough and varied

(Continued on page 15)



Emerson School  
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Sansbury & Ross, Architects  
Parkersburg, W. Va.



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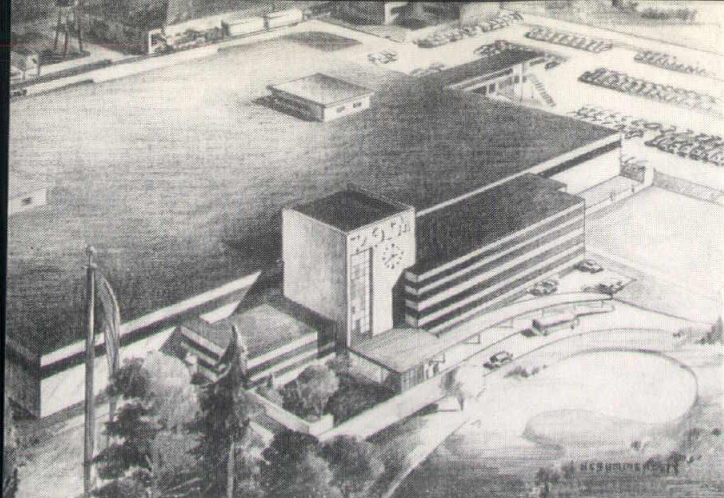
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COLUMBUS 8, OHIO





An example of Mr. Summersett's work

## AN ART SERVICE FOR ARCHITECTS

An art service of interest to the busy architects of today is being offered by a Cleveland architect-artist, Harold C. "Hal" Summersett.

In 1928, Ohio State University graduated him with a degree in architecture, (he's had many hours in fine arts but not quite enough for a degree) and a scholarship to Lake Forest Foundation for architects and landscape architects. There he collaborated with painters, sculptors, landscape architects and other architectural students. There he studied under and received the encouragement of Chester B. Price.

He has worked in Cleveland for over 20 years and is a registered architect in Ohio. Twice he taught, not subjects directly relating to the profession of architecture but perspective, composition, life drawing, etc. These along with doing murals, oils, water colors, and other paintings and illustrations have helped him to decide to devote his entire time to illustrating. For some time he worked for the City of Cleveland as an illustrator and for many Clevelanders, principally architects.

An illustrator must have a sympathetic feeling and understanding of his subject. Both he and the one for whom the work is being done must realize the others' work limitations. It is then the illustrator's job to present the truth as feasibly as possible. Good co-operation produces good illustration.

There is a program that he is working on with several local architects. It is to discover a way in which there might be an increase in the number of illustrations used by architects without greatly increased cost. This program is one in which you can participate, if you are interested.

## HOWARD STERNER APPOINTED

(Continued from page 14)

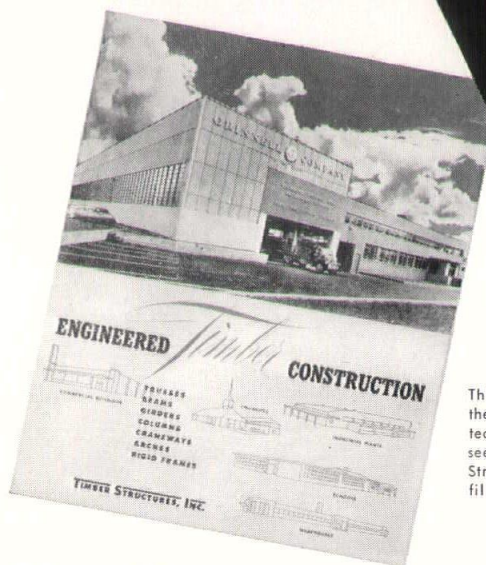
experiences in all types of construction will prove valuable to the Ohio architects and engineers.

Preliminary design and estimating services covering any of the manufacturer's products, are available without obligation upon request.

Timber Structures, Inc., is represented in the Cleveland and Northeastern Ohio area by Moore & Glass, Engineering Sales Company, 18609 St. Clair Avenue, Cleveland, Ohio.

ARCHITECT

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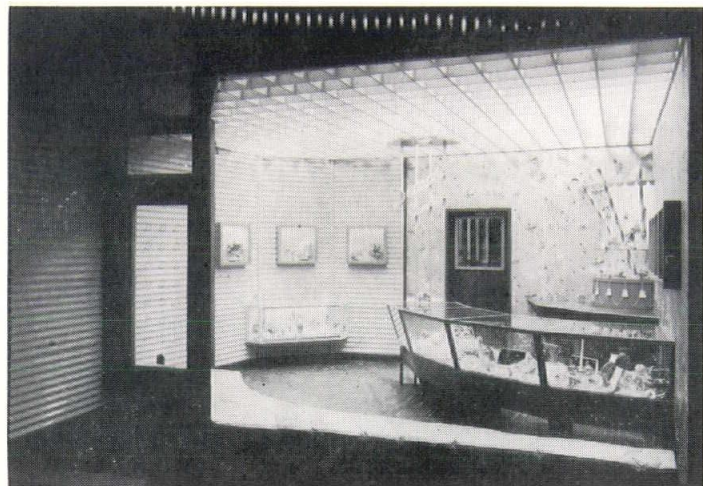
## BREIDENBACH ON HOUSING JOB

On February 1st, Wm. F. Breidenbach, a registered architect took over the responsibilities as Architect for the Expansion Program and Maintenance for the Metropolitan Housing Authority of Columbus. Bill's job will be to get the Housing program started that recent legislation has made possible.

Starting out from Dayton, he was granted a degree in Architecture from Ohio State in 1922 and later an-

other Architect's degree from Columbia University in 1930. Following employment in Dayton he spent five years with the University Architect at Ohio State—then six years with Walker and Gillette of New York, then 12 years with various government agencies and now he is back home in Columbus to initiate this comprehensive housing program for Columbus and Franklin County.

Bill was recently elected Vice President of the Columbus Chapter for 1952. He resides with Mrs. Breidenbach, twice A.S.O. Women's Committee Chairman, at 2143 Fairfax Road, Upper Arlington.



Entrance and interior of Damon's Candy Shop, Superior and Mayfield Roads, Cleveland Hts., Ohio. A. W. Harris, Architect, Cleveland.

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## NEW "SHOKSTOP" FEATURED IN PLUMBING HEATING EQUIPMENT

The "ShokStop," rated as one of the most important new developments in plumbing engineering for prolonging the life of water systems is one of the nationally-famous plumbing and heating products now handled by The Mussun Equipment Co., 958 Hanna Bldg., Cleveland, recently organized manufacturers' representative firm.

According to William G. Mussun, Jr., the unique "ShokStop" incorporates metal bellows in protecting valuable piping systems against "water hammer," long a major cause of damage and excess wear. It is made by the 83-year-old Wade Manufacturing Co., Elgin, Ill., whose complete line of plumbing equipment is offered by Mussun to contractors and jobbers in Northern Ohio.



WILLIAM G. MUSSUN, JR.

Other firms represented are The Rittling Corp., Buffalo, New York, pioneers in baseboard peripheral heating equipment said to provide remarkably even distribution of heat varying only 2 to 3 degrees between floor and ceiling, and Standard Fire Hose Co., Los Angeles, Cal., makers of fire hose cabinet units. Additional lines are under consideration.

Previously associated with Spohn Plumbing & Heating, "Bill" Mussun is widely acquainted among archi-

(Continued on page 27)

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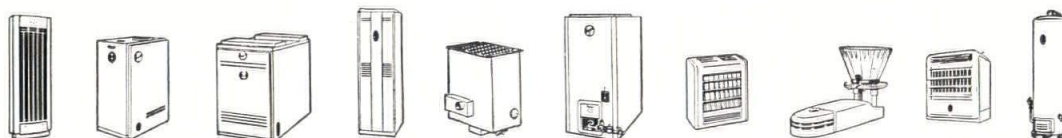
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## HIGHLIGHTS FROM THE MARKETS

By JANE L. HANSON

One of the most stimulating reactions from the market last month was the selection of lighting fixtures and lamps. For some time this important item in living has been neglected and now we have not only a wide variety to select from—but a group moderately priced. Namely, I find the whole new group of Lightolier one of the most useable. I shall include their new Dining Room pulley type in the A.I.A. House—as well as the new bullets for spot lighting.



JANE L. HANSON

Their narrow desk lamp with the aspenlat shade was one of the most interesting. As with most of the new designs, it has a slim black iron base.

Floor lamps are well balanced and adjustable to different purpose—for reading, playing cards, for indirect lighting.

Their colors include green, black, grey, and terra cotta.

Paavo Tynell has done some lovely things for Finland House. We show the pulley type in our window in pierced brass. There are other beautiful white and brass table lamps with the characteristic detail to finial that these Scandinavian artists excell in.

The Nesson lamp which can be hung or used on a wall is one of the finest and, of course, they are one of the best manufacturers in the industry.

Brach-Allen has done a few table lamps with maps and astronomical instruments as bases.

Mobiles are assuming a new importance and there are several new sources supplying them at \$35 up.

I must add a note about the use of wrought iron everywhere—beautifully done for indoors as well as outdoors. This includes new smoking stands with ample pottery trays on sturdy tripods.

Several California houses for barbecue equipment are introducing new sizes of braziers for outdoor living. These will be available within the month.

## BERGMAN GIVES PLUMBING TALK

"Planning the Modern Toilet Room" was the subject under discussion at a very interesting monthly meeting of the student chapter A.I.A. Ohio State University.

Harold Bergman of the J. A. Zurn Mfg. Co., prominent manufacturers of plumbing fixture carriers, spoke, "From the Clients Point of View," underlining the necessity for quality plumbing specifications to insure the carrying out of the architects wishes, especially with relation to new methods and products, and new uses of old methods and products.

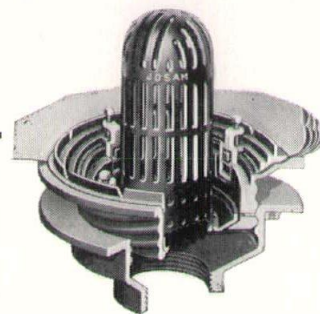
The current demand for off-the-floor plumbing fixtures is a case in point. Mechanical considerations as to the method of fixture suspension must be carefully defined to guarantee a safe and lasting installation. The enthusiastic use of curtain and dry-wall partitions in schools, hospitals, industrial and institutional buildings, coupled with this demand, makes this doubly important.

Mr. Bergman also stressed the necessity for the functional planning of the toilet room itself, with consideration for the flow of traffic, peak usage, etc.

A discussion period conducted by Al Avery, Mr. Bergman's associate followed.

## NEW **Josam** LEVELEZE Roof Drain

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**adjustable top**



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**RAISED • LOWERED  
TO NEW ROOF LEVEL**

To meet the demand for an adjustable roof drain with similar features as the now widely used Josam Leveleze Floor Drains, Josam is now introducing its new Leveleze Roof Drain. Formerly, where the roof drainage piping had been installed and the roofs laid, if the drain was too high or too low, substantial alterations were required.

Now . . . with the Leveleze Roof Drain there is no need for extensive alterations because of miscalculations in roof levels. Simply raise or lower the adjustable top of the Josam Leveleze Drain to the proper elevation. In the same manner this drain can be easily adjusted should the roof level be changed at a future time.

Another important feature of the Josam Leveleze Drain is that the body can be installed in the rough slab to act as a drain for rainfall during construction and prior to finishing the roof and insulation. After insulation is down the adjustable collar can be fitted to meet any thickness and so provide finished roof drainage. In addition to the Leveleze feature, this drain provides other Josam roof drain features such as the combined dome strainer and sediment cup, and non-puncturing flashing clamp device and gravel stop.

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# The American Architectural Foundation

The American Institute of Architects wishes all of its members to become acquainted with The American Architectural Foundation, Inc., and its relation to the architects in particular, and the building industry in general.

The Foundation was chartered in New York in 1942 to meet the specific needs of research and education in the architectural world.

"It is a non-profit organization dedicated to the further advancement of the art and science of building. Its objectives are to continue to raise the standards of architectural education, to establish needed research programs, and to correlate the efforts of the profession of architecture, the building industry and related indus-

tries and professions for better service in the public interest. The Foundation derives its capital funds from gifts, bequests and legacies."

Legally, there exists no relationship between The American Architectural Foundation, Inc., and The American Institute of Architects. The Institute states in its by-laws its objectives as:

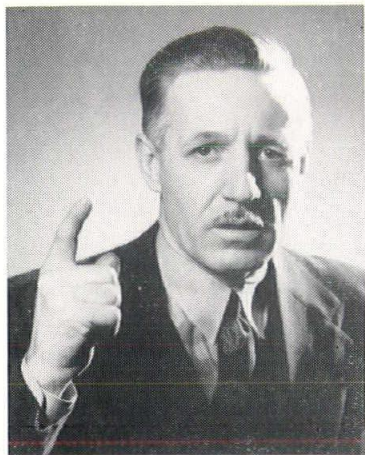
"To organize and unite in fellowship the architects of the United States of America; to combine their efforts so as to promote the aesthetic, scientific and practical efficiency of the profession; to advance the science and art of planning and building by advancing the standards of architectural education, training and practice; to coordinate the building industry and the profession of architecture to insure the advancement of the living standards of our people through their improved environment and to make the profession of ever-increasing service to society."

Though in no way obligated to do so, The Foundation can afford The Institute opportunities to carry out certain work and to achieve certain objectives requiring substantial sums of money beyond and above The Institute's capacity to meet. For instance, The Foundation is now engaged in supporting The American Institute of Architects in two projects having to do with modular coordination.

The Institute, on occasion, as with the Education and Registration Survey Commission, turns to foundations and other donors of funds to carry on special programs. While it is of course possible for The Institute to receive bequests, it is not in a position to have tax-free donations made to it since its classification by the Bureau of Internal Revenue as a non-exempt organization in 1939. The likelihood of The Institute ever achieving, through amendments to existing income tax and estate tax laws, the status enjoyed by purely educational or scientific organizations is conjectural.

It should be pointed out that there is no duplication of services, but rather that it is possible for The Foundation to assist The Institute in furthering the objectives to which it is consecrated, whenever, in the opinion of the Trustees of The Foundation, such assistance falls within the scope of the interest of The Foundation. It is therefore hoped that members of The American Institute of Architects will bear in mind the existence of The American Architectural Foundation, Inc., its aspirations and capabilities, and may see in it a means of assistance to The Institute in furthering its objectives. In order to assure that The Foundation be built up to the point of best fulfilling its role, it would behoove the profession to strengthen The Foundation.

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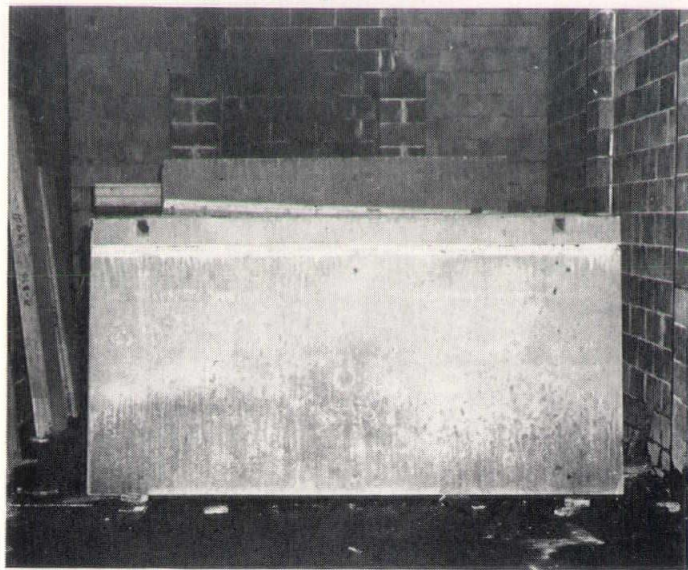
## Insulated Sandwich Wall Developed

(Continued from page 9)

wooden float. When the concrete has just begun to harden, the surface is broomed in straight vertical lines.

When the concrete is hardened sufficiently, wet burlap is placed over the forms. These are then covered with waterproof paper in order to retain moisture. Next morning the slabs are removed from the forms and placed in a vertical position in steam curing chambers for a minimum of 48 hours.

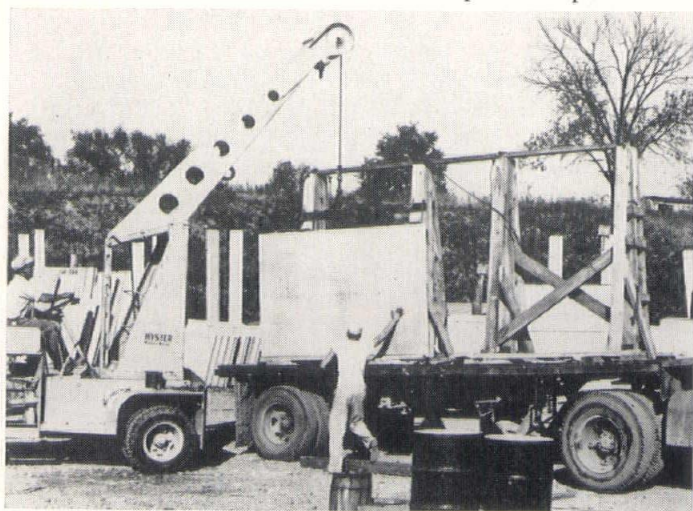
These chambers are maintained at 100 per cent humidity and 120 degrees temperature. From here the slabs



The insulated panel remains in the steam curing chambers for a minimum of 48 hours.

are removed by means of a Hyster Karry Krane on pneumatic tires to the storage yard where they are leaned against piling supports and allowed to stand for a minimum of ten days before being moved to the construction job.

Fiberglas-insulated sandwich wall is meeting with great favor among contractors because of the speed with which it can be erected. It saves up to 40 percent in



Slab being hoisted on a truck for delivery to the job.

masonry costs and is highly durable because of less joints. The muslin facing cloth and rough broom finish give it smooth appearance.

Flexibility of design permits insulated sandwich wall to be used either as curtain or load-bearing wall. Where it was previously very costly to insulate large industrial buildings, Fiberglas-insulated sandwich wall now en-

ARCHITECT

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**TRACKS and SPECIAL**  
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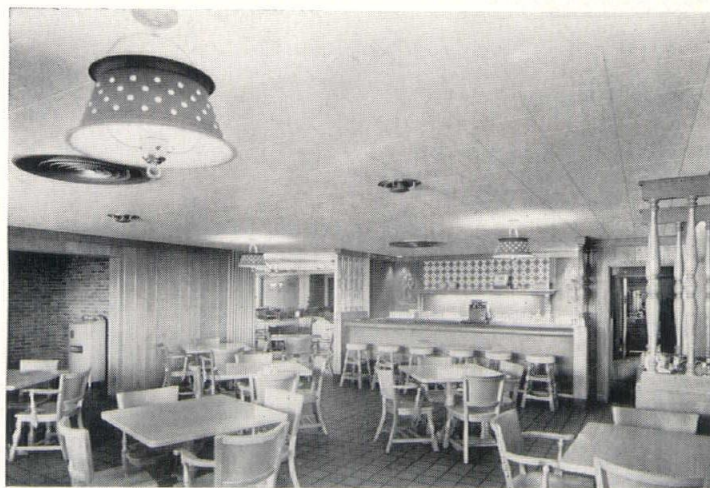
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The Sherwood Room, Grandview Inn, Columbus, Ohio. Architect — George J. Stegmiller. Ceiling of fissured mineral tile installed in this room. Perforated fibre tile used in some spaces; perforated metal tile installed in kitchen.

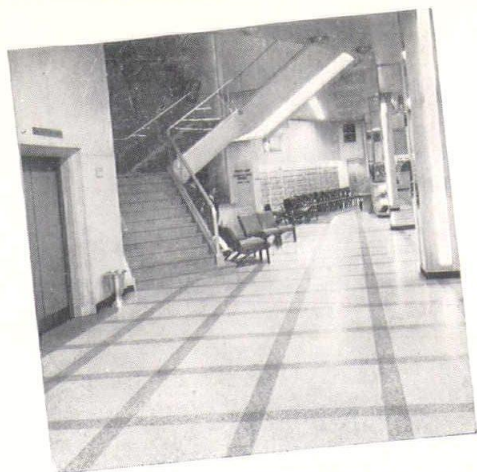
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*(Continued from page 10)*

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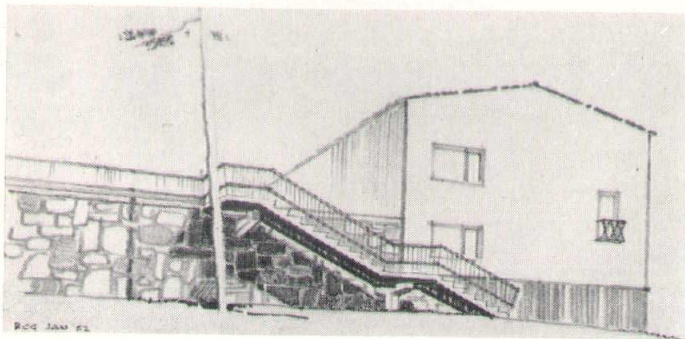
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## An Architect's European Impressions

(Continued from page 8)

and cold winters, the granite cliffs and the spare evergreens which cling everywhere to the sandy soil and rock probably help to account for the note of severity in the region's architectural expression. This note can be best felt in the new school buildings where large windows, bricked-around and divided in a few lights by a non-symmetrical arrangement of wood muntins, are repeated relentlessly over plain bricked walls, several stories high. Although "severity" may describe some of



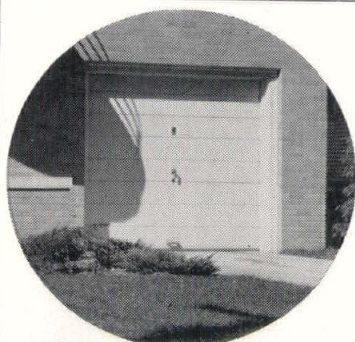
School at Bjorkhagen, Stockholm — Wall and Stair Detail

the overall character of the city's buildings, there is ample evidence of a spirit of playfulness and great feeling for subtle use of materials, especially wood. The Town Hall, for instance, created at the end of a romantic period, enjoys a multitude of whimsical details. The landscape of the city's open spaces and housing projects is highly informal and quite relaxing. New structures as the Road and Waterways Bureau at Vasterbroplan also

express in a variety of details of walls and pavements, windows and doors, great attention to texture and pattern and a subtle use of spatial relationships.

The new subway system, already established to the south, is one of the city's bright new productions. From car interiors to station platforms, design is clean, functional and handsome. The platforms, roofed with laminated wood beams and steel columns giving the whole a wing or "butterfly" section, are particularly impressive. The subway station approaches and over-passes are of concrete work of high technical skill and beauty. Often the concrete is contrasted with long, rough walls of granite blocks. The city's several new concrete bridges and "cloverleaves" also express the capability of local architects and engineers by their use of simple but vigorous shapes highly appropriate to the material.

Stockholm prides itself as having introduced the skyscraper to Europe. Some years ago, two 16-story offices on Kungsgatan, the major shopping street, were built on opposite ends of a great stone bridge carrying a secondary street over the shops below. Actually, the church towers are higher. More recently, office and apartment towers of 10-15 stories have risen to activate all sectors of the skyline. One 18-story flat cuts cleanly into the sky. Relatively few commercial buildings of contemporary design are to be seen in the city's heart which, away from the arms of the bay and the exciting waterfront, appears rather dull and formless. The shopping streets, nonetheless, offer the passerby a very exciting selection of goods, particularly glassware, porcelain and furniture. The American visitor, once inside a Stockholm furnishings store and short on shopping money, will never forget how choice and inexpensive were the treasures passed by. Out on the sidewalk, much of the



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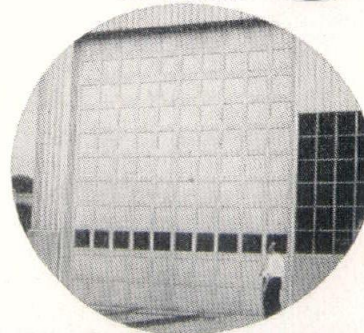
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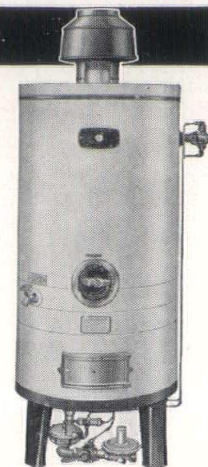
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space is given over to banks of bicycles of uniform color and little distinguishing features. Crossing a street is an act of grave risk. The American visitor must learn to adjust his eye, ear and foot to left-hand flowing traffic, as in England, and all kinds of vehicles moving at their own speeds, generally well beyond limits of safety or courtesy. Some of the sidewalk space is also taken up by the summer-time additions of the city's fine restaurants. These portable, gay-colored extensions are often expressed in fine modern dress. Finally, as the walk dissolves into pedestrian islands at a major intersection, the highly appreciated Stockholm flower pots, bright red geraniums in a concrete shell, surround shaded sitting areas. This amenity is one of the best remembered aspects of the Swedish metropolis.

*Goteborg:* It is rather a surprise to find Goteborg, first, a relatively young city; second, so populous a place; and third, that it was originally founded and planned

by the Dutch. Established in the mid-17th century, Goteborg is newer than many of our own eastern cities. Rapid urbanization has pushed the population past the 350,000 mark and sent the civic boundaries past the surrounding hills.

The Dutch selected the rocky site along the Gota Alv, protecting it on the landward side by a moat-bordered wall of pointed undulations in plan. Within this effective encirclement of water, granite cliffs and walls, they laid out a simple grid-iron pattern of streets—today's "downtown" district. Two internal canals crossed near the middle of the grid-iron. Since being filled in by recent generations, these have become the city's main thoroughfares, wide, tree-bordered and impressive.

All this has led to a particularly satisfying central townscape heightened in interest by the busy waterfront a few minutes away from any shopping street. Canals, tree-lined walks, varied skyline and quiet pedestrian side streets all add their charm. Surrounding the old walls with its protective moat, lies a continuous park, Nye Aleen, offering a first-rate promenade and an effective greenbelt for the edge of the business section. Lying beyond this green area is the older residential district, in street layout suggestive of the Haussmann ideal and architecturally characterized by pale yellow and red brick Victorian apartments. One of the major streets, Kungsports Avenyn, originally of elegant residential nature, leads one upward to the higher ground surrounding the old city and to the dramatic Gota Platzen, an open place fronted by three fine civic structures: Theatre, Concert Hall and Art Museum. Extraordinary as it may be, this avenue is visibly graduating into the commercial class via a careful process of restrained alteration and rebuilding. Here was none of the chaos, the esthetic

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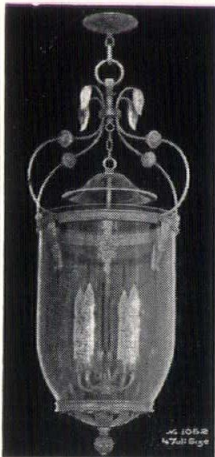


and functional disorder common to our old residential thoroughfares turning commercial. Continuing as tree-shaded and wide-walked, Kungspotts Avenyn suggested the lost inheritance of, say, Euclid Avenue in Cleveland.

Granite escarpments gradually force Goteborg's streets into patterns dependent upon contours. Crowning these rocky heights and viewing the city below are the newer housing areas such as that of Gulheden. Numerous flats of 7-10 stories stand sharply against the sky. Beyond this high ground lie hills and valleys of more pine and more rock, standing in readiness for ever new housing schemes.

The many housing projects noted so far and typical of Scandanavia today are products of a three way stimulus: The local planning office (often aided by municipal ownership of lands) sets the stage with a carefully conceived neighborhood plan; cooperative building societies are ready for rapid fulfilment of the plan with a complete program of building and management; government assistance toward rents for large families helps sponsor continued demand (and encourages an increase in Sweden's relatively modest population of 6,900,000.) Under these conditions, new Swedish housing seems to be equal to the best anywhere meeting the requirements of low and middle income people.

From the heights, Goteborg shows off its multitude of red-tiled and red-painted sheet metal roofs. In general, the city's structures are remarkably well kept—a note of



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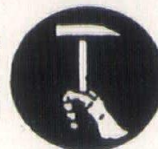
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soundness, order and prosperity prevails. A few towers protrude: the famous church, Masthuggskyrkan, erected in 1912, a water tower or two, some recent church steeples of graceful line and an office building or two of better than twelve floors. Two characteristics of Swedish buildings come to mind: first, the universal use of automatic elevators (you manage yourself) and the insertion of rentable areas within public buildings. Even the city's marvelous Concert Hall (1934) designed by Nils Ericsson, provides for an auto showroom, quite discriminately, on a side elevation. And, public facilities are further appended by more public facilities—note the post boxes on the outsides of the city's trams. A person seen running for a car may only be intending to post a card.

Under the direction of amiable William Olsen, the city planning director, Goteborg will undoubtedly extend its already stable and attractive form into the peripheral areas. Even now an entire suburb is being created, originally conceived in model form so that it could be better studied by its architects.

South of the city, the Swedish State Railway takes one along a low, rocky, lightly inhabited coast. The electric trains with passenger cars compartmented into rooms for six with a side aisle, are clean and comfortable. Meals served on the trains are at given hours necessitating procuring a meal ticket, thus a seat, in advance from the conductor. From the train window one views a gradually improving landscape with fertile farm areas eventually dotted with delightful groups of wooden farm houses of one-story height and barns of low pitched roofs and stone walls set with white washed mortar. A few small towns and cities show evidence of prosperous and orderly living. New single-family houses have a decided "modern" look and are surrounded with energetically worked gardens, neat and provident. Finally the train reaches Halsingborg where travelers to Denmark must make ready for customs and the water crossing.

(Continued in March Issue)

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**BUCKEYE BRIEFS**

The other evening we met Architect Anton G. Nosek, Jr., now located in the Hanna Bldg., Cleveland. He tells us he has been there since August, having left B. F. Goodrich Co. where he was Division Architect. Previous to this connection he was in Cleveland until 1942 in his own Architectural practice. During the war he was with Garfield, Harris, Robinson & Schafer.

The wish for his success is father to the thought as he seems about as busy as he can take it.

As of January, 1952 the Architectural concern of Copper, Wade & Peck, 10528 Wilbur Ave., Cleveland will be known as Copper & Wade. As announced in the January issue of the "Ohio Architect" Mr. Russell Peck is now connected with Richard Hawley Cutting and Associates of Cleveland.

After February 1st Miss Lottie B. Helwick, Registered Architect announces her connection with the Architectural concern of Hayes and Ruth, 1720 Euclid Ave., Cleveland. She was formerly associated with Spahn & Barnes Architects, Cleveland, Ohio.

The Cleveland Chapter of A.I.A. has appointed F. Pat O'Toole, 503 Leader Bldg., Cleveland as Publicity Director and Public Relations Consultant for the Chapter.

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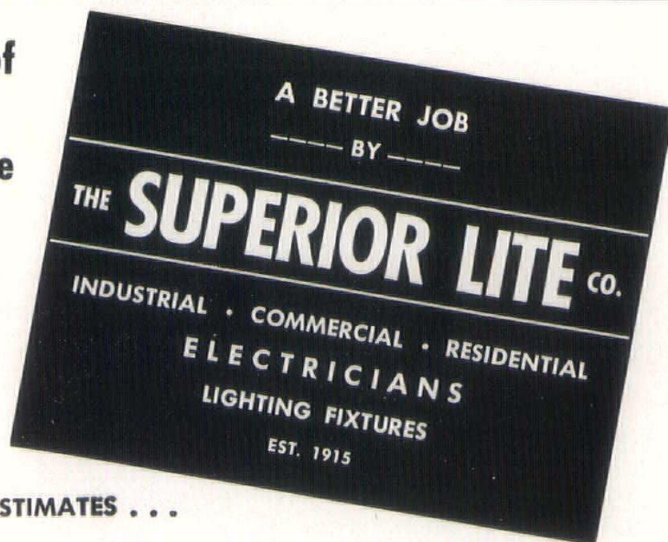
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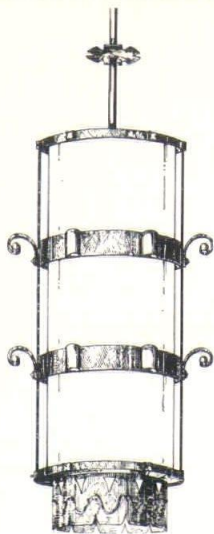
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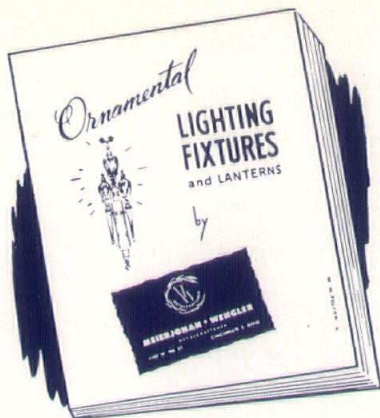
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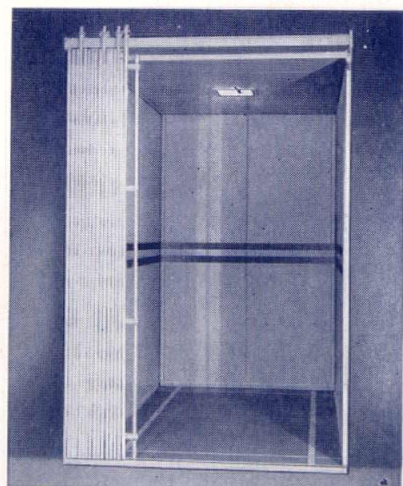
In the Flexwood advertisement on page three of our last issue we used the name J. "Bro." Williams instead of J. "Bud" Williams for the Cincinnati distributor of Flexwood. We're sorry "Bud," and hope it hasn't embarrassed you too much.

## "SHOKSTOP"

(Continued from page 16)

fects, and active in trade groups. He is also past president of the Heating, Piping and Heating Contractors Junior Association, past president of the Air Conditioning Association, past member of apprentice board of Heating, Piping and Air Conditioning Contractors Association, all of Cleveland. He also holds membership in the American Society of Sanitary Engineers, and the American Society of Heating and Ventilating Engineers.

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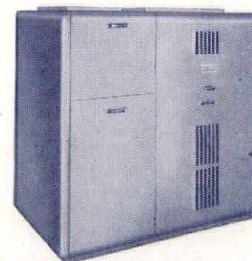
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