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AUGUST • 1952
Vol. X No. 8

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OHIO ARCHITECT

OFFICIAL PUBLICATION OF THE ARCHITECTS SOCIETY OF OHIO



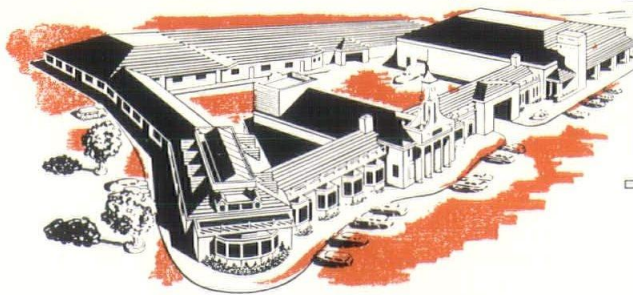
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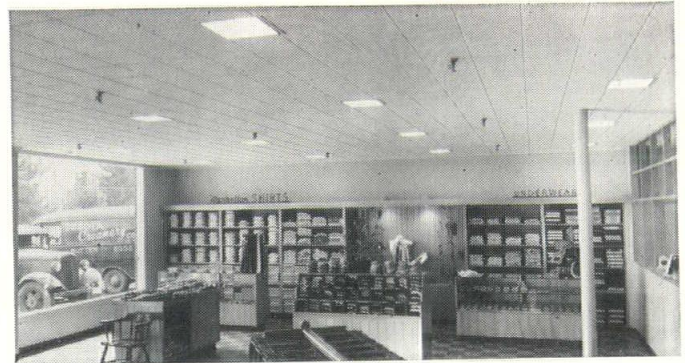
1952 Roster Edition

AUGUST, 1952 • OHIO ARCHITECT

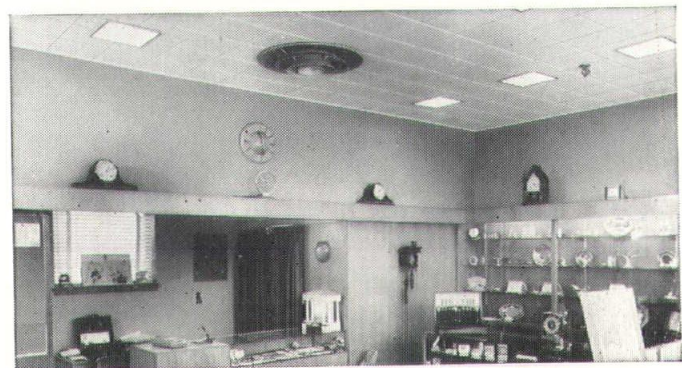
we're keeping



QUIET



THIS smart suburban shopping center near Tacoma, Washington, furnishes complete shopping facilities for surrounding communities of nearly thirty thousand people. Nearly a carload of Simpson Acoustical Tile was installed in its 17 shops, stores and offices to provide comfortable quiet for patrons. Lea-Pearson & Richards, Tacoma were the architects who designed the center and specified Simpson Acoustical Tile. Installation was by Elliott Bay Lumber Company, Seattle and general contractors were Ketner Bros., Inc., Tacoma.



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PRODUCTS

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The MID-WEST ACOUSTICAL & SUPPLY Co.

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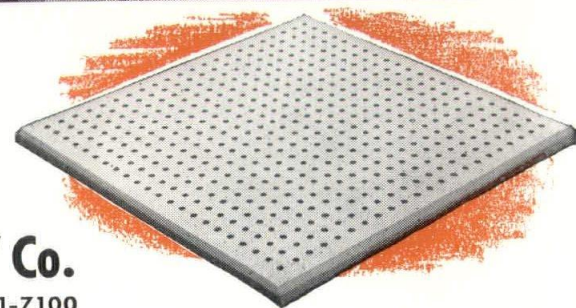
COLUMBUS, OHIO
1550 W. Mound St.

DAYTON, OHIO
214 S. Perry St.

TOLEDO, OHIO
518 Jefferson Ave.

SPRINGFIELD, OHIO
264 Dover Road

SIMPSON LOGGING COMPANY
Acoustical Division
1065 Stuart Bldg., Seattle 1, Wash.



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LIFETIME VINYL

Terra-Tile

sensational
new flooring
creation



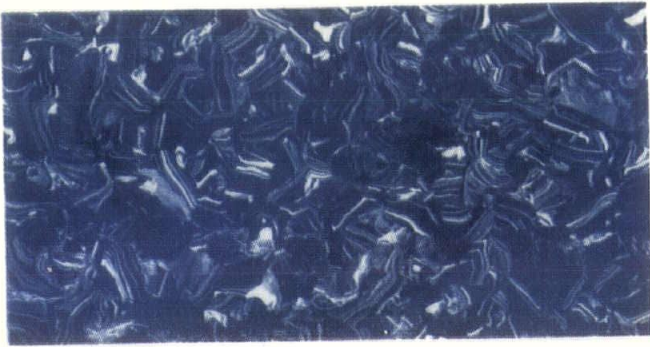
It's here at last! A flooring that reproduces the incomparable beauty of Italian Terrazzo in restful, resilient, Lifetime Vinyl. Here is a floor housewives have longed for . . . that flooring dealers and contractors, architects and decorators have eagerly awaited. ROBBINS LIFETIME VINYL Terra-Tile *needs no waxing. . . ever!*

It hushes noise, cushions every footstep, stubbornly resists scuff marks, iodine and fruit stains, greases, oils, strong cleansers, fats, acids, and alkalis. It is floor covering of machined accuracy, with each tile precision-squared by an exclusive Robbins process. Install Robbins Lifetime Vinyl Terra-Tile easily, economically, and with the sure knowledge of complete, lifetime satisfaction.

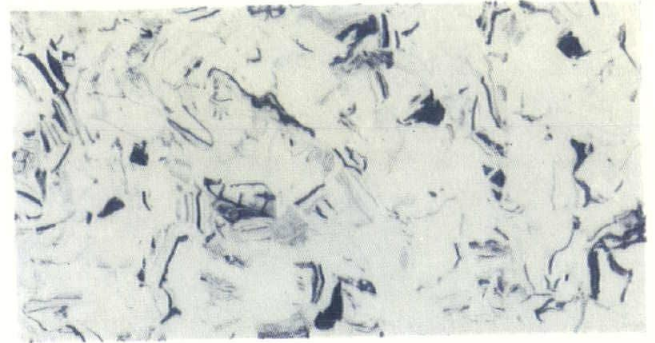
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16

Brilliantly Beautiful



TV-95 Blue Crush



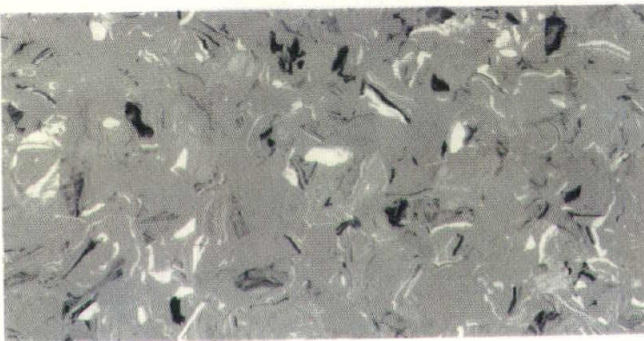
TV-59 Blue Frost



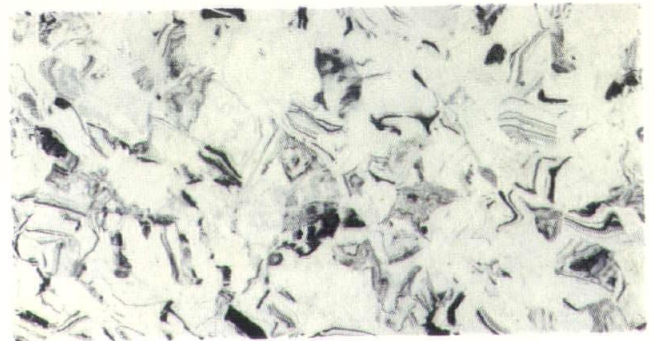
TV-35 Riviera Rose



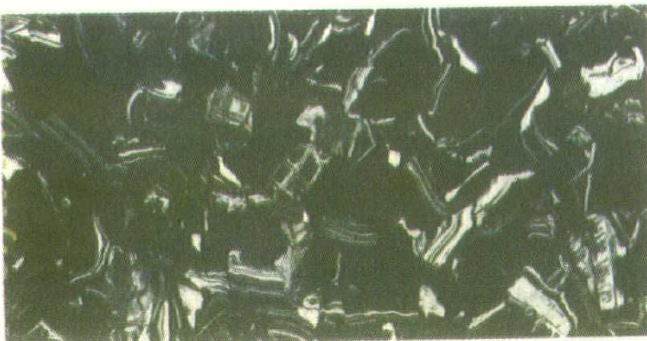
TV-53 Red Frost



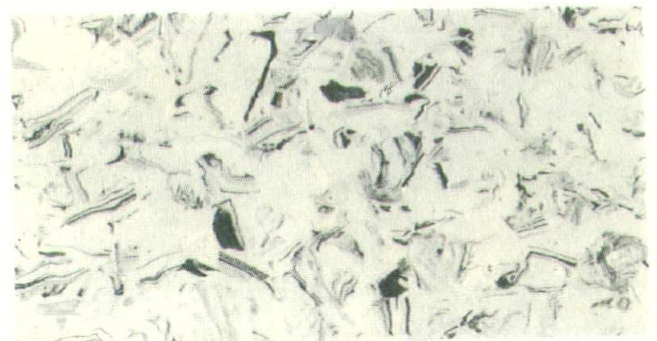
TV-65 Medium Gray Crystal



TV-51 Black Frost



TV-74 Frosted Jade

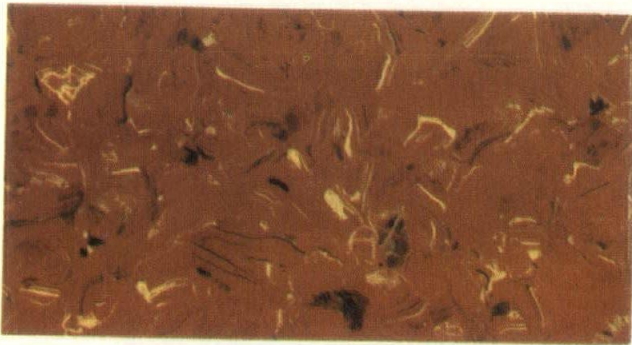


TV-56 Green Frost

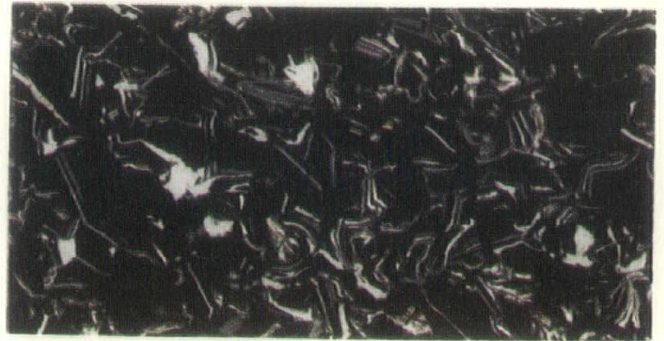


ROBBINS PRECISION - SQUARED

Color Combinations



TV-32 Aztec Red



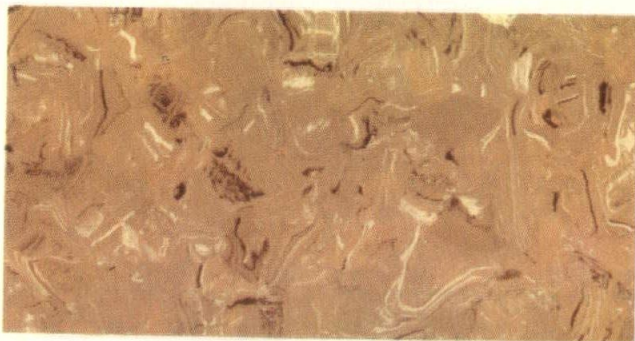
TV-15 Ebony Etch



TV-42 Sandy Buff



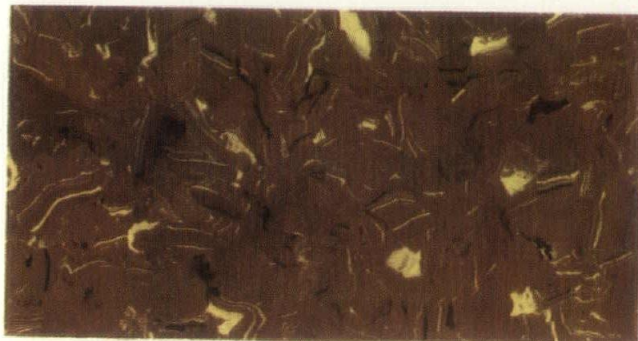
TV-80 Buttercup



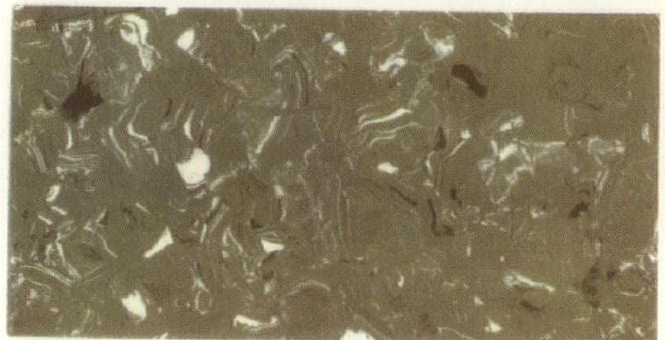
TV-36 Coral Gold



TV-34 Copper Chip



TV-24 Harvest Brown

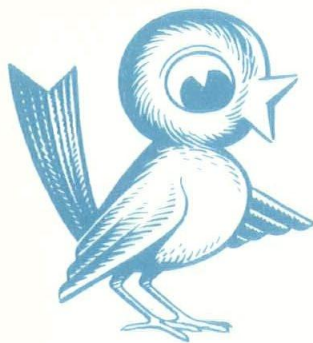


TV-85 Doeskin

TILE FOR PERFECT FIT ! ! !

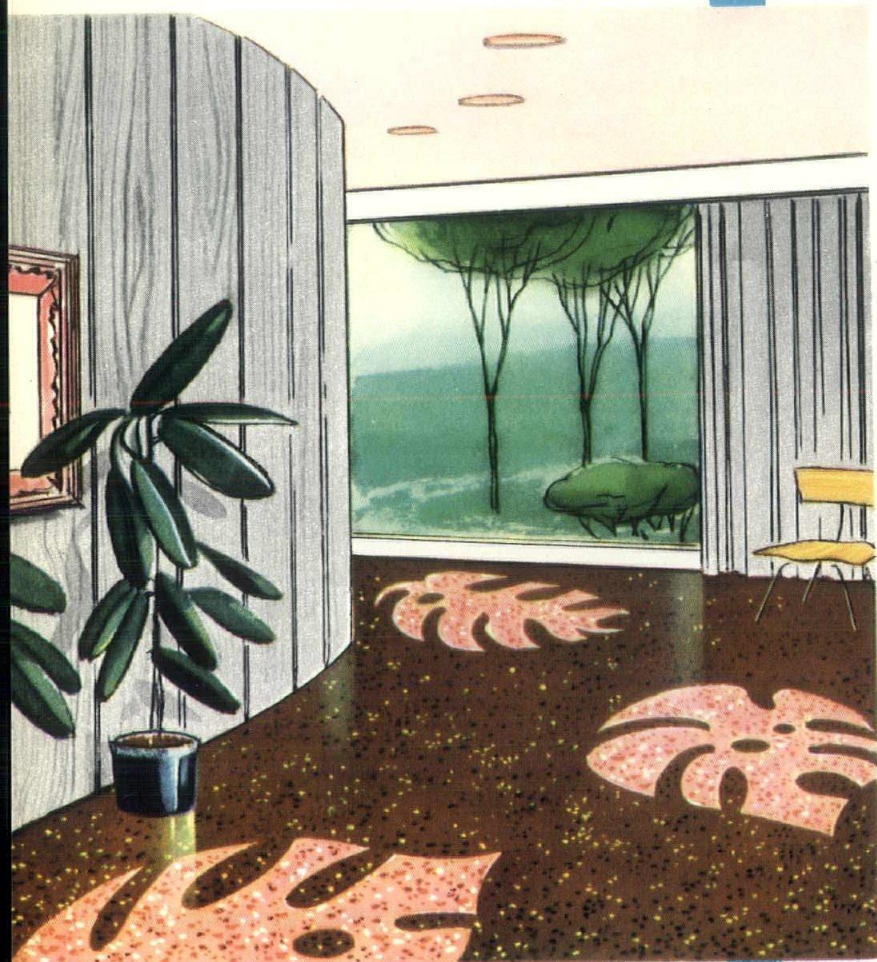


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★ **NEEDS NO WAXING... EVER!**

Occasional mopping and buffing preserves the original beauty. Permanent satin molded finish retains its brilliant lustre without waxing.

★ **LIFETIME DURABILITY**

Withstands heavy wear and tear for a lifetime. Stubbornly resists scuff marks, furniture indentations. Terrazzo design runs completely through the tile.

★ **EASY TO INSTALL**

Precision-squared tiles fit perfectly; leave no unsightly crevices to trap dirt and mar appearance. Can be laid over concrete or wood.

★ **RESTFULLY RESILIENT**

Provides cushioned comfort underfoot; minimizes fatigue from walking and standing. Muffles footsteps, objectionable noises.

★ **WIDE CHOICE OF COLORS**

16 different and exciting color combinations permit virtually unlimited styling. Highly appropriate for use with solid colors.

★ **ULTRA UNIFORMITY**

Robbins' exclusive cutting and squaring process insures precise dimensional accuracy. Absolute uniformity of colors and patterns makes possible solid, one-piece effects.

★ **STAIN-RESISTANT**

Iodine and fruit stains easily wiped up. Highly resistant to greases, oils, strong cleansers, fats, acids, and alkalies.

ROBBINS FLOOR PRODUCTS, Inc.

TUSCUMBIA (Muscle Shoals), ALABAMA

Not a "Wolf in Sheep's Clothing"

By ED STAPLEFORD

Several issues back we had an editorial about distributors of products which are used and specified by architects who did not adequately service the products they sold, who made promises that were never kept, causing extra work and worry on the part of the architect. We pointed out that this lack of service might have a serious effect on the reputation of the architect, as he is judged on performance by his clients.

FOLDOOR & SURFACES, INC., of Cleveland is NOT A WOLF IN SHEEP'S CLOTHING. This concern is favorably known by many architects. It is composed of men, ripe in experience who know how to work intelligently with the architect and who DO WORK THAT WAY.

They distribute only reliable products. Products that,

**NOW
AZROCK
GIVES YOU**

DURACO
GREASEPROOF INDUSTRIAL TILE

for Industrial Floor Areas

FOR OIL RESISTANCE—Oil and Grease abuse are part and parcel of practically every industrial operation. Any floor used in manufacturing establishments should be able to resist commonly used machine lubricants. DURACO does this well.

FOR TRUCKING AISLES—A major problem in every plant is moving materials by truck. DURACO is specifically built to withstand the constant hammering and abuse of loads on wheels.

FOR AREAS SUBJECT TO HEAVY ABUSE—Tools and machines are hard on floors. DURACO is made with high impact resistance and stands up well under the dropping of heavy objects—a virtue all-important in machine shops.

FOR LOW-COST CLEANING—DURACO's smooth, dense surface resists the wearing-in of grime—makes cleaning simple and fast.

Write for samples today.



UVALDE ROCK ASPHALT CO.

FROST BANK BUILDING • SAN ANTONIO, TEXAS

Makers of AZROCK
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DURACO

"Azrock Makes Fine Floors"

OHIO DISTRIBUTOR

FOLDOOR and SURFACES, INC.

2028 E. 46th • CLEVELAND, OHIO

from experience, have proven their merit—products that the architect can specify with absolute confidence. They realize the importance of the architect's role in the building industry and their every aim is to show their worthiness and their appreciation of the confidence the architect has placed in them and the products they distribute.

They also recognize the advertising value of "OHIO ARCHITECT" knowing that it is the official magazine of the Architects Society of Ohio.

Acting on their conviction they are presenting in this issue, four of their suppliers:

ROBBINS FLOOR PRODUCTS, INC., Tuscumbia, Ala., manufacturers of proven floor products. This advertisement is just preceding this page and is a four-page, four-color insert. Besides Foldoor & Surfaces of Cleveland representing them in northeastern Ohio, they have Ohio Wholesale, Toledo; M. L. Dunn Co., Dayton; F. A. Kamp Flooring Co., Cincinnati; all well known, reliable distributors.

UVALDE ROCK ASPHALT CO., San Antonio, Texas, manufacturers of Asphalt Tiles. Their advertisement is on this page.

HIGGINS, INC., New Orleans, La., Wood Block Flooring—their advertisement is on the following page.

FOLDOOR, manufactured by Holcomb & Hoke, Indianapolis, Ind., this advertisement follows on page 9, and **OHIO CAN AND CROWN CO.**, Massillon, Ohio, manufacturers of Crown metal wall tile and Crown plastic wall tile whose advertisement is on page 10.

Two of their suppliers whom they had hoped to have represented in this issue could not make our closing date—what with vacations in the advertising departments, etc. These are:

WOODALL INDUSTRIES, INC., Skokie, Ill., manufacturers of Lamidall, a plastic wall or counter covering mounted on pressed wood.

SOUTHBRIDGE PLASTICS, Inc., New York, manufacturers of Vinatre carpeting.

Big Plans Being Made for Cleveland Producers Council First Meeting

By ED STAPLEFORD

It will be Friday night, a dinner meeting, September 12th. Known as the bosses's night. Every member is asked to bring his alternate and all bosses to this affair and its to be a good dinner preceded by the usual cocktails and then to see the Indians beat the Boston Red Sox (and of course I am not going to loose my bet (I know the Indians will win).

Wish I could be there but rather will be touring and yes, and no doubt fishing again in Nova Scotia, Gaspe Peninsula, Canada.

Make Your Plans Now
to Attend the

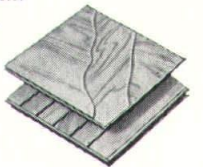
A.S.O. Annual Convention
Cincinnati — October 1 to 4



Why Hytron Took a
Woman's-Eye View of a Factory Floor

THE JOB: Hytron Radio & Electronics Co., fast-growing manufacturing division of the Columbia Broadcasting System, needed about 63,000 square feet of flooring for its new plant in Danvers, Massachusetts. The delicate business of making electron tubes calls for *women workers* . . . and women work best in attractive surroundings. So Hytron wanted an *attractive floor* . . . good-looking, sound-absorbing . . . and rugged enough to stand up under hard use and heavy machines.

THE SPECIFICATIONS: Higgins Bonded Hardwood Block Flooring 9" x 9" net face hardwood blocks—easy to install
3-ply cross-grain construction—when properly installed, will not warp, buckle, cup or crack
Selected oak face—comes with final finish
Pressure bonded with marine-type glue—water-repellant, climate-proof
Toxic impregnated—rot-proof, termite-proof
Grooved back anchors into adhesive—quiet and comfortable



THE RESULT: *Another Satisfied user of . . .*

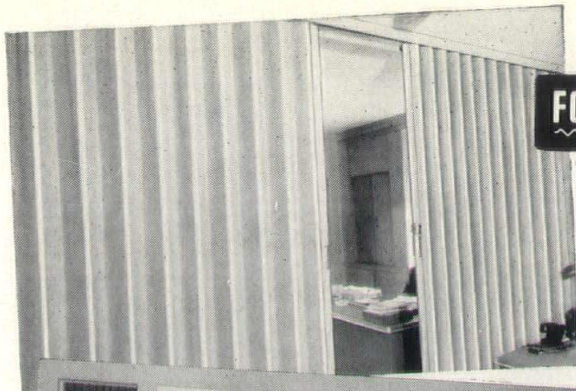
Higgins BONDED HARDWOOD BLOCK FLOORING
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THE WORLD-FAMOUS BOAT BUILDERS

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2028 EAST 46th STREET, CLEVELAND 3, OHIO
Telephone HEnderson 2-0177



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... gives privacy and increased efficiency



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FOR BUSINESSES

... adds profitable facilities in same floor area



FOLDOOR

FOR INSTITUTIONS

... brings economical flexibility of space

WHEN YOU NEED FOLDING DOORS, SPECIFY FOLDOOR

FOLDOOR installing distributors are located in most principal Ohio cities. Contact the one nearest you . . . inspect his recent installations . . . see for yourself what a decorative, practical and economical

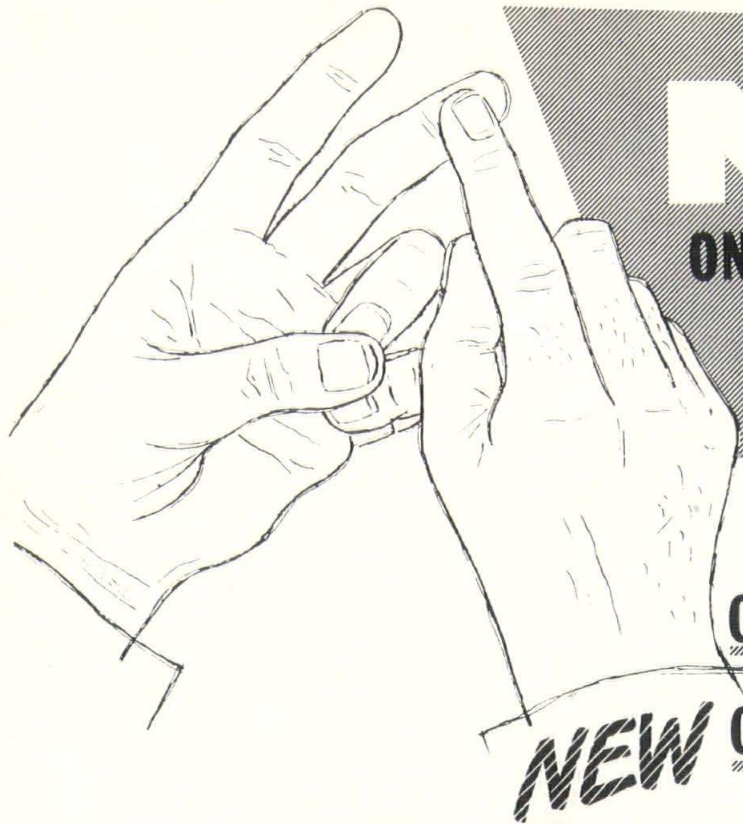
space-saver FOLDOOR is. Sizes and colors to fit every need.

Full details and illustrations of installations shown in Sweet's Architectural Catalog. Copy on request.

Distributed in Ohio by

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ONE RELIABLE SOURCE
FOR **2** GREAT
TILES

CROWN STEEL WALL TILE
and
NEW CROWN PLASTIC WALL TILE



When it comes to specifying wall tile, you now have a choice of two---a choice that brings you the best tile in its field whether you select metal or plastic wall tile. Crown Tile brings you both!

Long famous for Crown Steel Wall Tile...the tile so good it earned a bonded guarantee---this well-known Ohio company is now pleased to offer its new plastic tile. Here is a plastic tile that sets new beauty standards in its field---rich, live colors with a luxurious, subtle marbelizing. Your clients will like it!

*See our catalog
in Sweet's File.*

Specify either Crown Steel or Crown Plastic wall tile and you'll specify long-lasting, cost-free performance plus unusual beauty plus very important economy! Ask your dealer for details or write us. It'll be well worth your while!



Crown
WALL TILE

the ohio can & crown co.
massillon, ohio

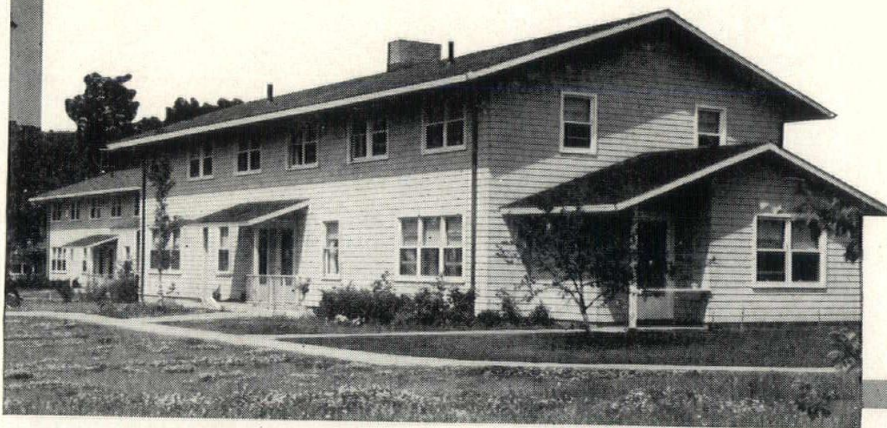
AMERICAN-Standard

First in heating...first in plumbing

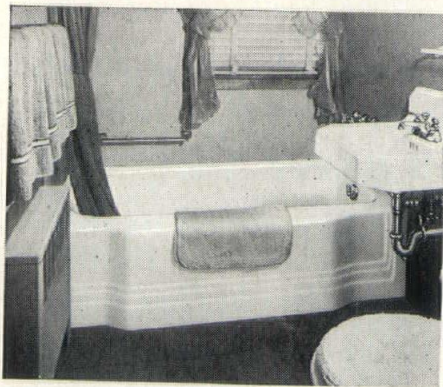
Massachusetts veterans' housing project is more convenient, more comfortable because it's **AMERICAN-Standard** equipped . . . throughout

■ Though this Middleborough, Mass., project was subject to the most rigorous economies in construction, it is unusually attractive. Among the features that give an added measure of tenant—and management—satisfaction are the site planning to take advantage of the natural landscaping . . . and the use of smartly-styled, sturdily-constructed American-Standard heating equipment and plumbing fixtures throughout the dwellings.

Famous for their design and engineering advantages . . . for efficient and economical service . . . American-Standard products are available in a wide variety of models, sizes and types. Whatever *your* heating and plumbing needs—for single units or multiple family dwellings, small budget job or large—you are sure to find the exact products for your job in the American-Standard line, the most complete in the field.



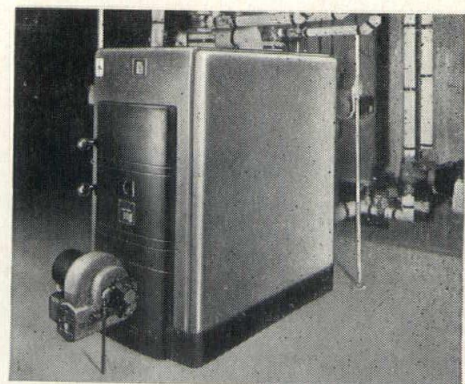
Architect: Kennedy and Smith, Boston, Mass.
Engineer: Gordon E. MacNeill, Boston, Mass.
General contractor: Hayes & Watkins Construction Co., Brockton, Mass.
Heating contractor: Miles Plumbing & Heating Co., Inc., Brockton, Mass.
Plumbing contractor: Ernest Margeson, New Bedford, Mass.
Wholesale distributor: F.W. Webb Mfg. Company, Boston, Mass.



The Master Pembroke bath and Hexagon lavatory in this Middleborough bathroom are of durable cast iron heavily coated with lustrous, easy-to-clean enamel. The water closet is of genuine vitreous china. And note the trim and smartly styled connector. American-Standard connectors are used throughout the project.



Occupying minimum space, this Duplex Hostess sink and laundry tray in a Middleborough kitchen is convenient to use, easy to keep clean. It has an 8"-deep sink well on one side, a 13"-deep laundry compartment on the other, and a movable drainboard. Made of rigid cast iron with a thick enamel coating.



Each unit of the Middleborough Housing Project is equipped with a compact Severn Oil Boiler, assuring good heating at minimum cost. Here, the Severn is coordinated with an Arcoflame Oil Burner for top efficiency. The Severn is available in sizes to fit a wide variety of installation requirements.

American Radiator & Standard Sanitary Corporation, P. O. Box 1226, Pittsburgh 30, Pa.

Serving home and industry

AMERICAN-STANDARD · AMERICAN BLOWER · CHURCH SEATS · DETROIT LUBRICATOR · KEWANEE BOILERS · ROSS HEATER · TONAWANDA IRON

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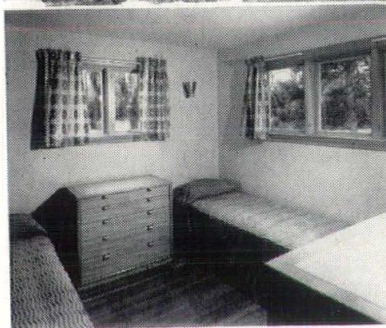
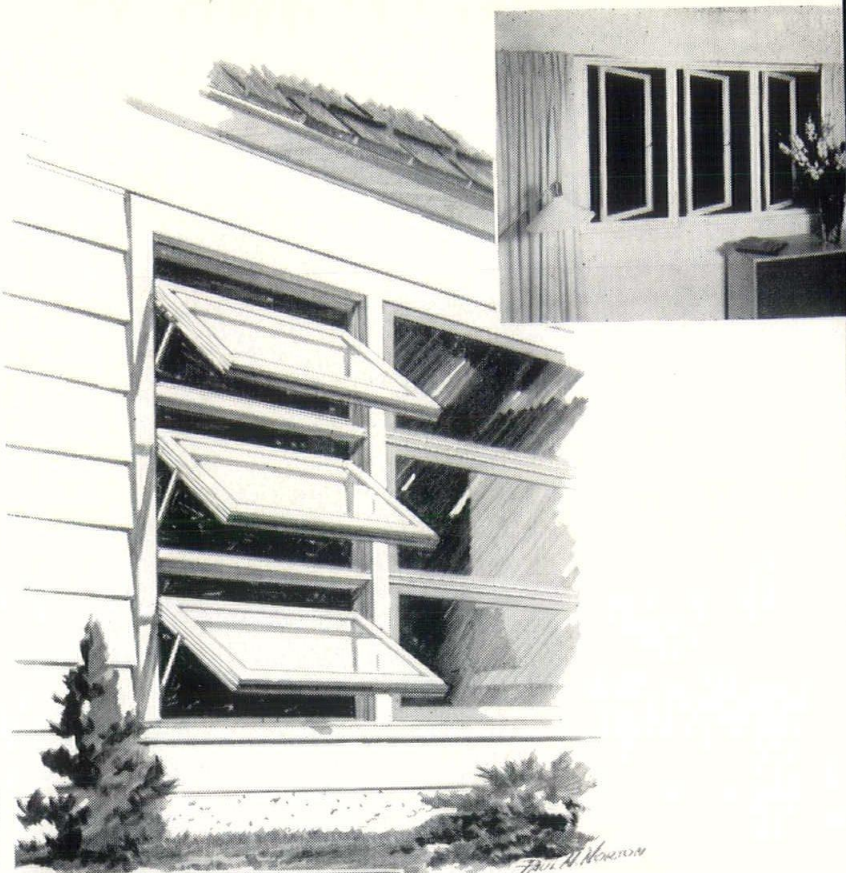
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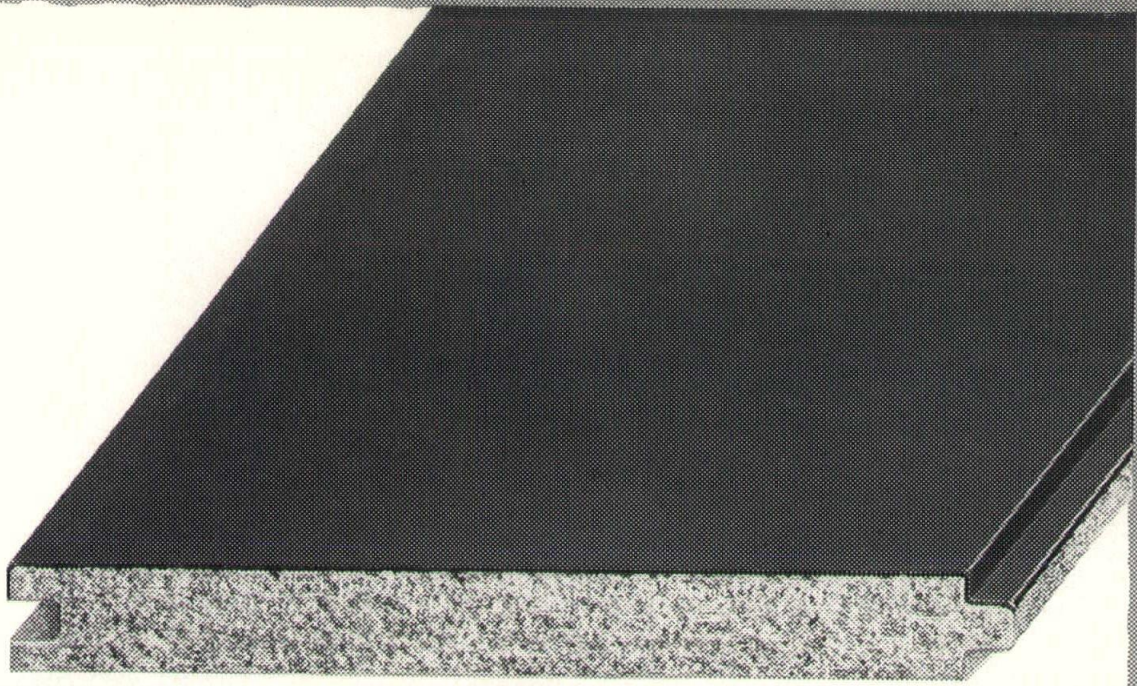
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Versatile...YES!
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this
is



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ROOF PLANK



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ACOUSTICAL Tectum Plank has unusual sound absorption properties, with a noise reduction coefficient up to 85%.



INSULATING 3" thick Tectum Plank has the low "U" factor of .16; 2" Plank, a "U" factor of .24.



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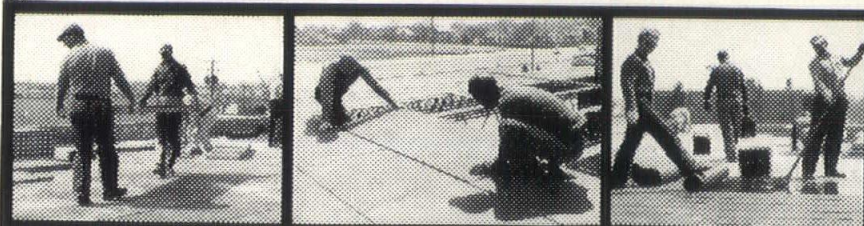
INCOMBUSTIBLE Tectum Plank is rated incombustible under Federal Specification SS-A-118a; it has been tested at Underwriters' Laboratories for Fire Hazard Classification.



ECONOMICAL Light weight large plank sizes, 30" wide by up to 10'-0" long, lay fast . . . cost less installed.

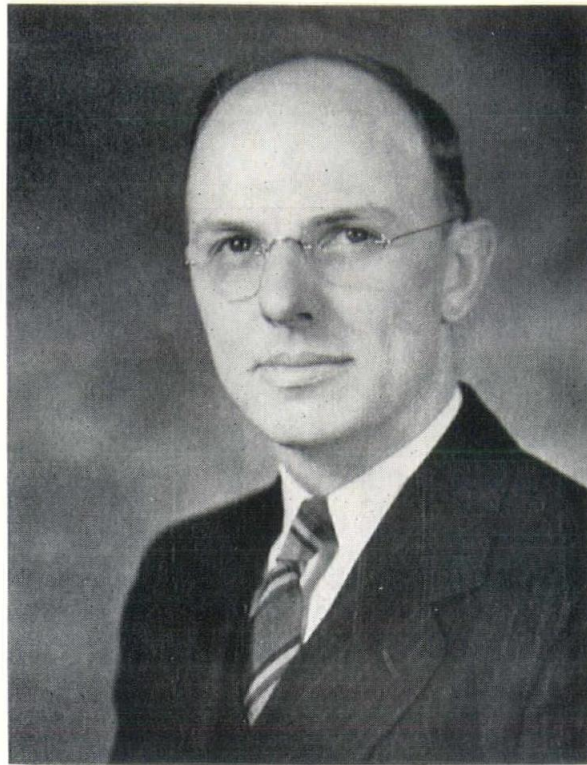
For quick facts on Tectum, write . . .

TECTUM CORPORATION 101 South Sixth Street, Newark, Ohio



Tectum

1952 Officers of the Architects Society of Ohio, Inc.



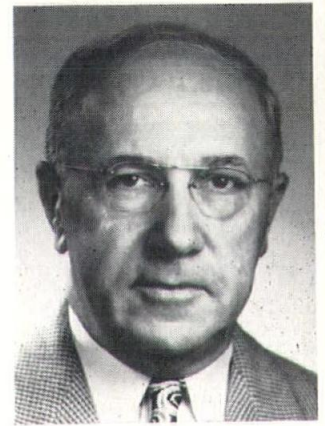
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President



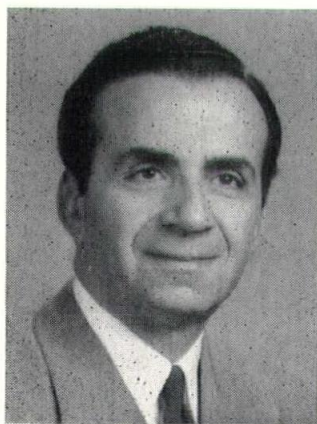
ROLLIN L. ROSSER
First Vice President



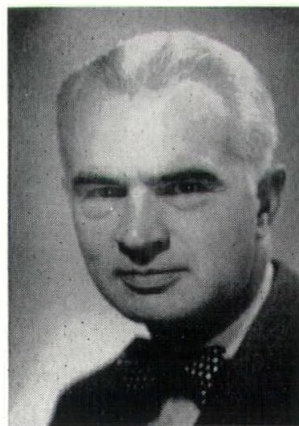
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FIFTY YEARS OF TOLEDO ARCHITECTURE A Survey of the Recent Past

By THADDEUS B. HURD, A.I.A.

Thaddeus B. Hurd's article on "Fifty Years of Toledo Architecture" was written to commemorate the fiftieth year of the founding of the Toledo Museum of Art, and appeared in the Spring 1952 issue of the "Northwest Ohio Quarterly" of the Historical Society of Northwestern Ohio. Mr. Hurd was in charge of the historical research for the special committee of the American Institute of Architects which staged the Museum's commemorative exhibit. He is associated with the Toledo firm of Britsch & Munger, Architects. The drawings accompanying the article were made by Mr. Hurd.

1. The 1951 Architectural Exhibit at the Toledo Museum of Art

In October 1951, as part of the celebration of the 50th year of its founding, The Toledo Museum of Art sponsored an exhibit reviewing the city's architectural history of the half-century just past. The collection and selection of the material exhibited and the design and installation of the exhibit were accomplished under the auspices of the Toledo Chapter of the American Institute of Architects.



THADDEUS B. HURD, A.I.A.

The exhibit, titled "You Built Toledo," concentrated on the art aspect of Toledo's architecture, presenting to the eye by photographs skillfully executed by Karl H. Becker, A.I.A., and attractively displayed by John E. Kelly, both of the Toledo Chapter A.I.A., the visual aspects of the selected buildings. The historical aspect was touched on only briefly. For each building,

the date, the architect and the style were mentioned. A catalogue of the exhibit giving this information was issued by the museum.

In the history of these buildings is written much of the history of Toledo. They are today the face of the city wherein the observant may read the story of her struggles and achievements. To study Toledo's buildings, to analyze them in relation to their time and place in the architectural history of America, gives insight into the lives of her citizens and an understanding of the inner forces that have guided the building of their city. As the introductory poster of the exhibit expressed it:

"You Built Toledo.

I built Toledo? Oh, no. They built Toledo. I just live here. I never served on any Building Committee. I never was on any Board of Directors. I've never even built a house!

Listen, friend, that's where you're wrong. This is a Democracy. No dictator shapes with his will the

architecture of this land. Your hopes, your dreams, your will, they are the forces that shape our builders' art. The church that stirs your reverence, the home you'd like to own, the school you'd like your children to attend, that's what America builds.

In 50 years you've built Toledo. In 50 years you've transformed a little mid-west town into one of America's great cities. Written in stone and glass and steel, here is the record of your hopes and dreams. And here on the 50th anniversary of your Museum of Art we look back on these years to honor the Toledo you have built."

To tell the story of Toledo architecture, the following buildings were selected for exhibit. The dates are year of completion or dedication, or both.

END OF NINETEENTH CENTURY

Boody House—SW corner Madison and St. Clair	1872
Memorial Hall—SW corner Adams and Ontario	1886
Old Post Office—SE corner Madison and St. Clair	1888
Old Toledo Club—SE corner Madison and Huron	1891
Gardner Building—NW corner Madison and Superior	1893
Nasby Building—SW corner Madison and Huron	1895
Spitzer Building—NE corner Madison and Huron	1896
Valentine Building—NW corner Adams and St. Clair	1896
Burt's Theater—SE corner Jefferson and Ontario	1897
Lucas County Court House	1897

BEGINNING OF 20th CENTURY—WORLD WAR I

Berdan Building—SE corner Washington and Erie	1902
Old YMCA—Michigan Street opposite Court House	1905
Elks Club—Michigan Street opposite Court House	1905
Masonic Temple—SE corner Adams and Michigan	1905
Nicholas Building—NW corner Madison and Huron	1907
Old Ohio Building—NE corner Madison and Superior	1907
City Market—Erie and Market Streets	1908
Secor Hotel—SE corner Jefferson and Superior	1908
New Post Office—Jefferson, Madison, 13th & 14th Streets	1912
Toledo Museum of Art—Monroe at Scottwood	1912
Scott High School—2400 Collingwood	1912
Second National Bank—SW corner Summit and Madison	1912
First Congregational Church—2315 Collingwood	1914
Northern National Bank—SW corner Superior and Madison	1915
New Toledo Club—SW corner Madison and 14th Street	1915

WORLD WAR I—DEPRESSION

George R. Ford Residence—East River Road, Perrysburg	1921
Second Church of Christ Scientist—2146 Collingwood	1924
Commodore Perry Hotel—SW corner Jefferson and Superior	1927
Toledo Blade Building—SW corner Superior and Orange	1927
Paramount Theater—NE corner Adams and Huron	1929
Civic Auditorium—201 South Erie Street	1929
New Ohio Building—SW corner Madison and St. Clair	1930
Cathedral of the Diocese of Toledo—Collingwood at Islington	1931
Maumee Valley Hospital—Arlington at Detroit	1931
Toledo University—2810 West Bancroft	1931
Federal Building—1710 Spielbusch	1932

WORLD WAR II—DEPRESSION

New YMCA—1110 Jefferson	1934
Old Bus Station—414 Jefferson	1935

(Continued on page 40)

GREAT LAKES REGIONAL SEMINAR OCTOBER 1, 2 and 3

The Great Lakes Regional Seminar will be held in conjunction with the annual convention of the Architects Society of Ohio at the Netherlands Plaza Hotel on October 1, 2 and 3.

Two good Seminars have been arranged by Bergman Letzler, Kentucky Chapter and Carl Strauss, Cincinnati Chapter, co-chairman.

Subjects of the Seminars will be "Architectural Design" and the speakers will be G. Holmes Perkins, Philadelphia, Pennsylvania and Robert Little, Cleveland, Ohio. Both men are "top flight" and their messages will be stimulating and informative. Backgrounds and achievements of these two architects will be presented in the September issue of this publication. President Leo Bauer, Michigan Society of Architects, and President Karl Schwartz, Indiana Chapter, will chairman and moderate the sessions.

Chairman of the entire affair is genial Ed Tyler of the Cincinnati Chapter. Chairman Ed and his committee have worked out an excellent program for your entertainment, fellowship and the business of your profession.

Due to a tremendous schedule of traveling in the interest of the Institute, and conflicting dates in opposite corners of the Nation, President Glenn Stanton will be unable to be in Cincinnati this year.

"Top Brass" of the Institute will be represented by First Vice President Ken Wischmeyer and Secretary Clair Ditchy.

These Regional Meetings and Conventions in the Great Lakes District are very important to all Architects for the opportunity afforded for informal discussions with fellow members of your profession, regarding your office problems and practice.

A cordial invitation is extended to all Great Lakes Architects to be in Cincinnati on October 1, 2 and 3 for the Seminars and we are sure the same welcome and latch string is being offered by the Architects Society of Ohio for the annual State Convention scheduled to be held at the same time and place.

DIVISION OF VISUAL ARTS APPROVED BY W.R.U. BOARD

Establishment of a division of visual arts incorporating the present university programs in architecture and art has been approved by the Board of Trustees at Western Reserve University.

Implementation of the new plan by University officials is expected in the near future, according to President John S. Millis.

The new division which will include art, architecture, and design will be set up within the general structure of the Faculty of Arts and Sciences. This will replace the current School of Architecture as such and the separate services offered in several areas of the visual arts.

The change affecting the visual arts program is a far-reaching one as it replaces an already existing school and sets forth a new philosophy and plan for integrating the arts into a unified, coherent program of teaching, research and service.

The arts proposal was based upon a complete survey of the diverse and disunified instructional and research efforts in the visual arts now being conducted in the university. The survey was taken by members of an advisory committee set up by President Mills two years ago. The committee was composed of representatives from local practicing architects, the administration of

the school of architecture, the division of art, and the university administration.

Primary task of this committee was to investigate the potentialities of the school of architecture, to reassess and re-evaluate it in terms of the potentialities for this area as well as the economics of its operation and the possibility of increasing the quality of the end-product of the school.

The survey results showed that the visual arts were taught without any coherence because they were taught in the many departments and colleges of the university with multifarious aims. Evidence showed that this resulted in duplication of effort in the teaching staff, overlapping of courses, and an unsound economic policy because each group operated as an isolated area.

Results of the committee's deliberations were set forth in their proposal of a "philosophy of the visual arts making clear its aims in education, research and community relationships." (See June, 1952 "Ohio Architect".)

Out of the philosophy arose the organizational plan for "the complete coverage of the visual arts in an urban university and their important relationships with other disciplines at the university." The committee proposed a core curriculum in the visual arts and other curricula serving the needs of students of different levels and interests.

The new plan proposed by the committee calls for a coordinated staff to carry out the instruction, suggests a core curriculum for the visual arts, makes recommendations as to staff and space, and states the financial requirements.

Besides carrying out a sound undergraduate, graduate and professional instruction in the visual arts, the staff will be able to render educational and consulting services to the community, "because these are essential to the economic success of the program and are a salient feature of the aims of the university," the report stated.

They Are No Different in Canada By ED STAPLEFORD

While in Canada fishing recently—(where we had a shore dinner every day) and while waiting for the fish to bite, we had time to read one of Canada's greatest newspapers, The Toronto Globe and Mail.

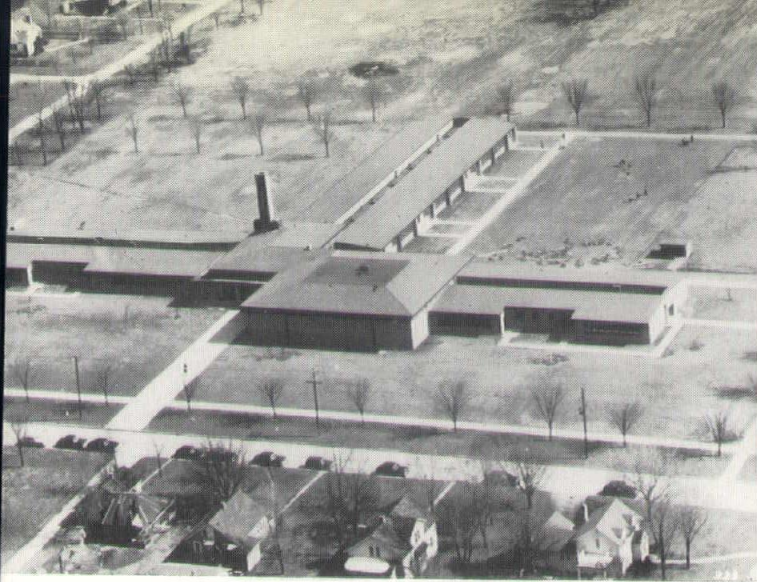
Here we found an interesting article on a new all glass building about to go up in Toronto. But in Canada, as in the United States, newspapers seldom name the architect. Why is this? Why not change this situation? It can be done if each architect, asked by a newspaper for a picture or a rendering of his proposed work, uses a rubber stamp on the back of the photo saying "Property of Architect and not to be used without proper credit being given."

O'Connell Represents Kawneer in Cincinnati

David S. Miller, Vice-President for Architectural Sales The Kawneer Company, has announced the appointment of T. M. O'Connell as salesman in the Cincinnati territory.

O'Connell came to Kawneer in 1951 and has had varied experience in the building materials sales field as Supervisor of the Niles Contract Department.

He lives in Dowagiac, Michigan. A native of Clifton Springs, New York, he was graduated from Clifton Springs High School in 1938. He attended Western Michigan College and was graduated in 1949. O'Connell will reside with his family in Cincinnati.



Aerial view shows clerestory design of new \$690,000 school in Perrysburg, Ohio, situated on 14 acres of school property.



Main entrance of lounge-lobby. The ceiling is Fiber-glas acoustical tile. The floor is asphalt tile.

Perrysburg School One of the Finest in the Country

BRITSCH AND MUNGER, ARCHITECTS

Children in the village of Perrysburg, Ohio, which was settled in 1816 about 22 years after General Anthony Wayne drove the Indians from the banks of the Maumee River, now are learning all these interesting historical facts in one of the finest elementary school buildings in the country.

This new 20-classroom school, designed by Britsch and Munger, Toledo architects, with 54,400 square feet of floor area, admitted pupils for classes in March. Construction cost was \$690,000.

The building is located on 14 acres owned by the Perrysburg Board of Education, and adjoins 21 more village-owned acres which are being developed into a recreational area. A swimming pool already has been constructed on this adjoining ground for summer use.

Originally conceived in 1944, the building as designed attracted considerable attention as one of the first school buildings calling for clerestory lighting, with classrooms to right and left of corridor attaining the bilateral lighting feature by depressing the corridor roof.

The one-story building is a salmon-colored brick. The front entrance is monolithic Indiana limestone. The

windows of redwood are of the deep bar type with ventilators top and bottom. The deep bars, with three-foot overhang of the roof, shade the windows against much of the sun during school hours. Outside exit doors lead from each classroom.

These outside exit doors were planned to facilitate and encourage out-of-doors class sessions.

All classrooms are thoroughly equipped to do the best job possible and are scaled to the size of the pupils occupying the rooms. The soffit of Fiberglas form board, 26,000 square feet of it, used as a base for the gypsum slab roof, is exposed and painted with pastel shades to blend in with the painted cinder block walls and asphalt tile floors.

By using Fiberglas form boards in the poured-in-place gypsum concrete roof, an economical, lightweight, non-combustible roof deck was realized with low heat transmission and excellent noise absorption.

The teachers are enthusiastic about the Fiberglas Acoustical treatment for its fatigue-reducing qualities.

(Continued on page 36)

Kindergarten classroom is the pride and joy of the children with its floor inserts of story-book characters and animals.

The effects of the clerestory design bring out the beauty of the Fiberglas form board ceiling, cinder walls and tile floor.



Proposed Standard Specification Sequence Should Help the Architect, Engineer and Contractor

By CHARLES W. JAUCH

A comprehensive "Standard Specification Sequence," has been developed by a joint committee of Architects, Professional Engineers, Civil Engineers and general contractors which should be of considerable value to the designing professions and general building contractors.

It is the result of many months of work for the men who comprise the "Joint Cooperative Committee of Greater Cleveland," consisting of: Messrs. Franklin G. Scott (Mellenbrook, Foley & Scott) and Wallace G. Teare (Weinberg & Teare), representing the Cleveland Chapter, American Institute of Architects; C. Earle Pratt (Cleveland Construction Company) and R. S. Ursprung (The R. S. Ursprung Co.) representing the Cleveland Chapter, Associated General Contractors of America, Inc.; Howard F. Schryver (New York Central Railroad) and W. R. Swatosh (Erie Railroad) representing the Cleveland Chapter, American Society of Civil Engineers; C. Merrill Barber (Barber & Magee) and Thompson Hindman (Pittsburgh Testing Laboratory) representing the Cleveland Chapter, Society of Professional Engineers. The committee also includes Edward G. Conrad (Conrad and Simpson), who is a member of the National Joint Cooperative Committee from the American Institute of Architects; and Chas. Wesley Jauch

(Executive Secretary of the Cleveland Chapter, A.G.C.) who serves as committee Secretary.

Purpose of the preparation of this Specification Sequence is to avoid the confusion which exists in specifications as they are prepared by the various architectural and engineering offices, and to provide these offices with an aid in the writing of specifications so that some items will not be overlooked.

The committee feels that if this standard could be widely adopted, it would make the job of specification writing easier for everyone who has it to do, would eliminate much of the issuing of "Addenda" and would lessen the misunderstandings which arise in estimating.

As the various sections of the Sequence were completed by the committee, they were presented to the parent organizations and were formally approved.

Already many favorable comments have been received from architects and engineers who have received copies of the document prepared by the committee and there have been inquiries from designing offices and contractors in other parts of the country who have heard of its issuance here.

The committee hopes that its work may be widely accepted and used.

STANDARD SPECIFICATION SEQUENCE

developed by

The Joint Cooperative Committee of Greater Cleveland
and approved by the Cleveland Chapters of

The American Institute of Architects

The American Society of Civil Engineers

The Associated General Contractors of America, Inc.

The Society of Professional Engineers

Trade Schedule Items Should Include Detailed Specifications for Various Sub-Items Indicated Below:

1. PREPARATION OF SITE

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Relocating, Razing and Removal of Structures, if any
- (h) Clearing and Grubbing
- (i) Method of Measurement and Payment for each item (If Used)

2. EXCAVATION, FILLING AND GRADING

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Excavation for All Structures
- (h) Filling for All Structures and Roadways
- (i) Grading for All Structures and Roadways
- (j) Fine Grading for Lawns
- (k) Fine Grading for Roadways
- (l) Method of Measurement and Payment for Each Item (If Used)

3. SITE IMPROVEMENT

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Paving
- (h) Curbing
- (i) Gutters
- (j) Seeding
- (k) Sodding
- (l) Shrubs
- (m) Maintaining
- (n) Method of Measurement and Payment (If Used)

4. FOUNDATIONS SPECIAL

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Pile
- (h) Reinforced
- (i) Other
- (j) Method of Measurement and Payment (If Used)

5. CONCRETE

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials

6. MASONRY

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Mortar
- (h) Method of Placement
- (i) Method of Measurement and Payment (If Used)

7. STONEWORK

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Mortar
- (h) Method of Placement
- (i) Method of Measurement and Payment (If Used)

8. ARCHITECTURAL TERRA COTTA

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Mortar
- (h) Method of Placement
- (i) Method of Measurement and Payment (If Used)

9. STRUCTURAL STEEL, OTHER STRUCTURAL METALS

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) General Features of Design
- (h) Loads and Stresses
- (i) Unit Stresses
- (j) Details of Design
- (k) Workmanship
- (l) Weighing and Shipping
- (m) Structural and Rivet Steel
- (n) Structural Silicon Steel
- (o) Structural Nickel Steel
- (p) Steel Forgings
- (q) Steel Castings
- (r) Cast Iron
- (s) Malleable Iron Castings
- (t) Wrought Iron
- (u) Alloy Steels
- (v) Method of Measurement and Payment (If Used)

10. MISCELLANEOUS STEEL AND METAL WORK

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Vault Lights
- (h) Windows
- (i) Doors
- (j) Marquees
- (k) Flashings
- (l) Leaders and Leader Heads
- (m) Scuppers
- (n) Leader Connections
- (o) Wall Plugs
- (p) Solder
- (q) Soldering Flux
- (r) Method of Placement
- (s) Method of Measurement and Payment (If Used)

11. ARCHITECTURAL METAL WORK

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) General Feature of Design
- (h) Loads and Stresses
- (i) Unit Stresses
- (j) Quality of Material and Finish
- (k) Workmanship
- (l) Method of Measurement and Payment (If Used)

12. WATERPROOFING—DAMP-PROOFING

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Design
- (i) Types of Waterproofing
- (j) Application
- (k) Method of Measurement and Payment (If Used)

13. CAULKING

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Application
- (i) Workmanship
- (j) Method of Measurement and Payment (If Used)

14. ROOFING

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Type of Roofing
- (h) Application
- (i) Workmanship
- (j) Guarantee
- (k) Method of Measurement and Payment (If Used)

15. SHEET-METAL WORK, SKYLIGHTS

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Type
- (i) Application
- (j) Workmanship
- (k) Guarantee
- (l) Method of Measurement and Payment (If Used)

16. METAL WINDOWS

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Type and Kind
- (h) Application
- (i) Workmanship
- (j) Method of Measurement and Payment (If Used)

17. METAL DOORS AND TRIM

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Type and Kind
- (h) Application
- (i) Workmanship
- (j) Method of Measurement and Payment (If Used)

18. ELEVATORS, DUMBWAITERS AND ELECTRIC STAIRWAYS

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Type and Kind
- (i) Workmanship
- (j) Municipal or Other Approvals
- (k) Guarantee
- (l) Method of Measurement and Payment (If Used)

19. METAL FURRING AND LATHING

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Type and Kind
- (h) Workmanship
- (i) Method of Measurement and Payment (If Used)

20. PLASTERING

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Type
- (i) Workmanship
- (j) Method of Measurement and Payment (If Used)

21. MARBLE—SLATE

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Type
- (i) Placing
- (j) Workmanship
- (k) Method of Measurement and Payment (If Used)

22. TILE WORK

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Kind
- (i) Placing
- (j) Workmanship
- (k) Method of Measurement and Payment (If Used)

23. TERRAZZO

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Type
- (i) Placing
- (j) Workmanship
- (k) Method of Measurement and Payment (If Used)

24. COMPOSITION TILE AND LINOLEUM WORK

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests

- (f) Inspection
- (g) Scope
- (h) Type
- (i) Placing
- (j) Workmanship
- (k) Guarantee
- (l) Method of Measurement and Payment (If Used)

25. CARPENTRY

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Seasoning
- (i) Species and Grades
- (j) Dressing
- (k) Treatment
- (l) Flooring
- (m) Building & Sheathing Papers
- (n) Furring and Grounds
- (o) Interior Finish
- (p) Workmanship
- (q) Method of Measurement and Payment (If Used)

26. MILLWORK

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Seasoning
- (i) Species and Grades
- (j) Window and Door Frames
- (k) Stairs
- (l) Interior Finish
- (m) Cabinets, Counters, Etc.
- (n) Sash
- (o) Doors
- (p) Workmanship
- (q) Method of Measurement and Payment (If Used)

27. FINISHING HARDWARE

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Type
- (h) Finish
- (i) Placing
- (j) Workmanship
- (k) Method of Measurement and Payment (If Used)

28. INSULATION

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Type
- (i) Placing
- (j) Workmanship
- (k) Method of Measurement and Payment (If Used)

29. ACOUSTICS

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Type
- (i) Placing
- (j) Workmanship
- (k) Method of Measurement and Payment (If Used)

30. GLASS AND GLAZING

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Kind and Thickness
- (i) Placing
- (j) Workmanship
- (k) Method of Measurement and Payment (If Used)

31. PAINTING AND FINISHING

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Preparing Surface
- (i) Drying
- (j) Weather and Temperature
- (k) Priming Coats
- (l) Back Painting
- (m) Finishing Coats
- (n) Workmanship
- (o) Method of Measurement and Payment (If Used)

32. FURNISHINGS

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Kind
- (i) Quality
- (j) Placing
- (k) Workmanship
- (l) Method of Measurement and Payment (If Used)

33. PLUMBING

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Ordinances
- (i) Excavation
- (j) Type of Pipe
- (k) Hot Water Heater
- (l) Controlling Valves
- (m) Covering Pipes
- (n) Fixtures
- (o) Workmanship
- (p) Method of Measurement and Payment (If Used)

34. HEATING, VENTILATION AND COOLING, REFRIGERATION (OTHER)

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Contractor's Responsibility
- (i) Apparatus
- (j) Cutting and Patching
- (k) Piping
- (l) Hangers
- (m) Boiler and Radiators
- (n) Headers and Main Lines
- (o) Pipe Covering
- (p) Workmanship
- (q) Guarantee
- (r) Method of Measurement and Payment (If Used)

35. ELECTRICAL WORK

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Fixtures
- (i) Workmanship
- (j) Certificate of Inspection
- (k) Guarantee
- (l) Method of Measurement and Payment (If Used)

36. EQUIPMENT

- (a) Refer to General Conditions
- (b) Work Included
- (c) Work Excluded
- (d) Materials
- (e) Tests
- (f) Inspection
- (g) Scope
- (h) Type
- (i) Kind
- (j) Quality
- (k) Placing
- (l) Workmanship
- (m) Method of Measurement and Payment (If Used)

REDUCING NOISE IN INSTITUTIONAL AND COMMERCIAL BUILDINGS

By WILLIAM BOYD HUFF*

President, Architects Society of Ohio

I have been asked to discuss the steps which are necessary to reduce noise to a minimum in typical institutional and commercial buildings. Quiet conditions in these buildings, especially in noisy areas, are the result of careful planning along well established engineering principles.

A question that should be answered in the early stages of planning is just how much sound insulation will be required. The answer to this question depends not only on the source of noise that one is going to insulate against, but also upon the degree of quiet that one wishes to attain.

In factories, on the other hand, machinery noise is usually the predominant noise source. It is desirable that measurements be made of the level and spectrum of each of the sources of noise against which insulation is to be provided. Where this is not convenient or practical, one can make estimates based on the results of a number of comprehensive noise surveys which are available.

The question of what noise level is acceptable and what level to shoot for in the design of a building is somewhat arbitrary. The level of noise which will be acceptable depends not only on the use of the building and the character of the noise, but also one's individual tolerance to this noise. It is extremely useful from an engineering standpoint to have established range of average noise levels that are acceptable under average conditions.

Recommended Acceptable Average Noise Levels in Occupied Rooms:

	<i>Decibels</i>
Radio, recording and television studies	25-30
Music Rooms	30-35
Legitimate theaters	30-35
Hospitals	35-40
Motion picture theatres, auditoriums.....	35-40
Churches	35-40
Classrooms, lecture rooms	35-40
Apartments, hotels, homes ..	35-45
Conference rooms, small offices	40-45
Court rooms	40-45
Private offices	40-45
Libraries	40-45
Large public offices, banks, stores, etc	45-55
Restaurants	50-55

In the main, it consists of eliminating or reducing to an unobjectionable level, the common noises due to three sources: people in the building, machinery in the building and outside noises that enter the building.

For our purpose we will define noise as "unwanted sound." Conversation, business machines and telephones are the chief sources of noise created by people other than noise due to mechanical work. Machinery for lifting elevators, for heating and ventilating, for air conditioning and for other items such as laundry facilities are the most common. Traffic noise or industrial manufacturing noise are the primary sources of outside noise that must be overcome. Transmission of machinery noise from one part of the building to another is also a problem. I propose to treat these sources of noise separately,

and to outline the general precautions to be taken together with a short review of the classes of material generally used to reduce them to an acceptable level.

People in the Building

Wherever people gather or work, they create noise. General conversation, telephone noise, inside traffic noises and business machines contribute the greater part of the noise created by occupancy. The design of the building should be such that large groups are situated in an area away from patients in institutional work. Business machine rooms, teletype rooms, etc., in commercial work should be housed in a separate area rather than in a general office. Acoustical tile ceilings and in some cases wall treatment will reduce the noise level.



Mr. Huff discusses points in his talk with interested members of the Cleveland Engineering Society.

In hospitals or other institutional buildings where nerves are taut, and minds and bodies indisposed, the effects of noise are greatly magnified. Even though vigilant efforts are made by hospital personnel to be as quiet as possible, all sounds are needlessly magnified and carried by reflection, unless sound conditioned ceiling promptly hush them.

Visitors conversing, people constantly walking, patients being moved about, elevator doors opening and closing, the clatter of trays and dishes, noises from dining rooms, utility rooms, nurseries, cries of suffering street and traffic noises—all are effectively hushed by Acoustical Treatment.

School officials and teachers have long known that noise interferes with concentration—that noise is a major obstacle to thought. Few students have the mental control required to think and concentrate in an environment of distracting noise. It followed as a natural course that the application of a successful and practical noise reducing product should almost immediately find wide use in our school buildings.

Within a comparatively short time, America's school systems became the second largest user of acoustical materials.

Today, Sound Conditioning in school buildings is a must. The modern "acoustical ceiling" is a standard specification for the new school building. Proper installation of the right type of material will bring the best possible hearing conditions into the auditorium, the audio-visual room and music room. It will quiet class

(Continued on page 76)

*An address presented at the 1952 Construction Conference of the Cleveland Engineering Society, Mon., May 19.

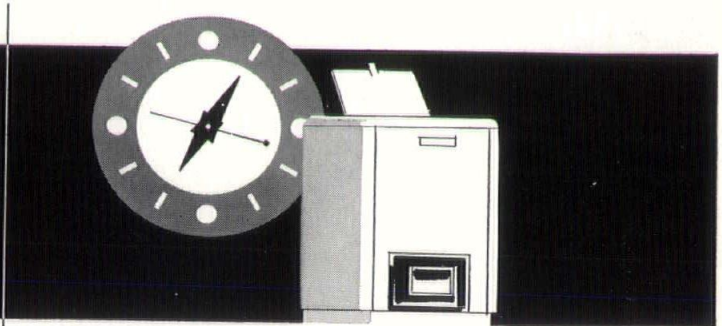
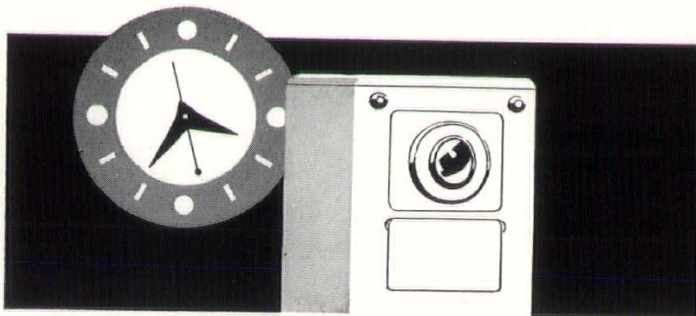
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PUBLIC RELATIONS

FROM THE EDITOR'S DESK

In 1912 I was working for a National organization and during this initiation into big business and big construction, I was impressed by one thing which is still fresh in my memory, just how close competitor watched competitor using practices which were even then frowned upon. Today these competitors belong to the same organizations, eat at the same tables, exchange and collaborate in research activities. All to the benefit of their employees, the public and themselves.

That represents our phase of so called public relations. Tal Hughes says: "Public Relations simply mean human relations applied to the public. Public opinion of a person, a firm, an industry or profession is good or bad depending upon the effort toward enlightenment on the value of the services rendered. The proper direction of public relations even by an individual architect is bound to reflect credit upon the whole profession."

In one era in which publicity has become a principal activity of government, science, and industry, education, the professions and institutions of every kind, it is imperative that architects go forward more aggressively with the work of public relations.

Nations are utilizing propaganda as a major instrument for peace and for war, cold and otherwise. The profession of architecture also has a war on its hands—a war for survival. The architects must be sold to this country on the basis of the new realism which must govern the architect and his job.

Nothing can be done well unless it is properly planned. There is ground for belief that architects in general have looked upon such activities with too much complacency. Such lack of cooperation is not to be found among the Engineers, Doctors, Lawyers, Chemists and other groups. It is inconceivable that a technical discussion by one of them could be adequate merely by taking notes at a lecture. Instead, manuscripts are furnished to the press in advance for later release.

It is not our belief that it is the field of a Public Relations Committee to initiate projects to make news, but rather to properly publicize news that is being made every day.

During the 1912 period I was impressed with the top advertising manager who seemed to swing a lot of weight on the basis, at least so I thought, that advertising was public relations. Over the years that impression has been very drastically changed at least in one major respect. It is what you actually do, individually, not what some one says you have done, that is the bed rock for all sound public relations.

From the day he elects to try to become an architect every young man has assumed an obligation, as an individual, to so conduct his personal affairs and to so guide his step by step advancement into the profession of his choice that he will be building his own castle of public relations and thereby contributing to the welfare and public relations of the profession in general. No program of public relations can ever succeed except on the firm foundation of individual responsibility and unwavering personal integrity on the part of those for whom the program is proposed. Good public relations may be educating the other fellow, but at the same time strict self discipline must be maintained to insure the most and the best satisfactory results.

As the Institute is embarked upon a very large, and we hope, broad program of public relations it will be

(Continued on page 47)

CONCERNING ENGINEERS AND EDUCATION

By PROF. HAROLD H. MUNGER

Professor Munger is located at Kansas State College, Manhattan, Kansas and wrote this article for the July issue of the "American Engineer."

A young man, just graduated from the School of Law, was being examined for admission to the Bar. He amazed everyone by his prompt and perfect answers to all questions. The examining Attorneys began throwing more and more difficult questions at him. Still he batted a home run at every pitch. Finally the venerable Judge who was presiding said, "Young man, I have just one more question to ask. You have made an extraordinary showing. I doubt if any of the Attorneys on this Board could have done as well. Certainly I could not! Now for my final question, and upon its answer depends whether or not you are admitted to the Bar. *How did you do it?*"

"Your Honor," answered the candidate, "it was really quite simple. I have an encyclopedic memory. I automatically retain a mental record of everything I read or hear. Sometimes I become terrified at the thought of the vast stores of information I carry in my mind, but for this examination it was most convenient. I simply memorized the statutes of this State and of the United States as well as the decisions of the Supreme Courts of this State and of the United States. With all this information instantly available, it was very easy. I simply reached back into the file, as you might say, and pulled out the answer to every question."

There was a long, long minute of silence, then the Judge spoke, slowly, thoughtfully, even timidly. "Not so good! Not so good! In view of the showing you have made, we cannot deny your petition. You will be duly admitted to the Bar, but I warn you, Sir, you are on *dangerous ground!* Some day Congress may *repeal every damned thing you know!* Why didn't they teach you to do a little thinking?"

Likewise the student of the Social (misnamed) Sciences memorizes an assortment of glib cliches and supposedly authoritative quotations. The Economist learns to repeat Gresham's Law, can talk about the "point of diminishing returns" and make brightly cynical remarks about the antediluvian day when the archaic capitalists believed in laissez-faire and the law of supply and demand, but has he been taught to think? The psychologist learns a jargon of words like, super-ego, id, libido, repression, fixation, compulsion, complex, behavior pattern, but does he know anything about *human nature?* The Literature major can reel off page after page of polished prose about Chaucer, Shakespeare, Milton, Keats, Shelley and the other immortals, but can he write a page that will leave the reader any wiser, any better informed than he was when he started reading?

The Engineer, if he is a *real* Engineer, must have something that is rare indeed among non-engineers. To quote Dean M. A. Durland, Kansas State College, "He is taught to have respect for *facts* and *figures.*" The Sociologist starts on a basis of wishful thinking and ends in a state of hysteria. The Artist starts in a state of rebellion and ends in total futility. The Psychologist starts with a hundred false assumptions and ends in a ludicrous denial of every existing fact. The Politician starts on a basis of opportunistic hypocrisy and ends in shameless venality. But the Engineer starts with, "Get the facts!" Having collected the pertinent facts he sets them together in an orderly pattern and applies the cold, hard laws of nature and mathematics to the problem. His solution may not always be perfect, but at least it is founded upon

(Continued on page 32)

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MAKE YOUR PLANS NOW

The 1952 Convention of The Architects Society of Ohio (the 19th in its history) will be held at the Netherlands Plaza Hotel, Cincinnati on October 1st, 2nd and 3rd.

Under the capable direction of Edgar D. Tyler, General Chairman, a program of most unusual interest to



EDGAR D. TYLER
General Chairman
A.S.O. 19th Annual Convention

Ohio Architects is being whipped into shape. And the Great Lakes Seminars will again be a feature of the A.S.O. Convention, as will the Annual Architectural Competition.

The members of the Program Committee (see picture below) have been selected for their ability to "get things done—right."

Architecture, like medicine and law, is one of the professions in which it is necessary to be constantly aware of the changing conditions under which the profession is practiced.

In Architecture particularly, there is a constant stream of new products and ideas being poured into the river of building and the Architect who does not keep abreast of the stream is not doing justice to himself or his clients. These new products and methods are part of the Convention and the new ideas are discussed in detail by experts.

The usual Building Material Display which has been a feature of the past years' Conventions will be bigger and more interesting than ever and Booth space is being rapidly contracted for by exhibitors interested in contacting Architects and others interested in Architecture who will attend the Convention.

Any Architect who has attended the Conventions of the A.S.O. will tell you that the two or three days time,
(Continued on page 48)

ALADDIN'S 1952 WONDERLAND

By JANE L. HANSON

Mr. Edison would be quite pleased, I'm sure, if he were to view the gamut of designs in modern and traditional forms, that has developed today since he set the first incandescent bulb aglow.

The distinctive impress of our best designers mark the trend today, both here and abroad. From the beaming Scandinavian beauties of Ty-nell in pierced brass, to the handsome fixtures now shown by Gruin, adaptable for residential and commercial use, we find the elegant Italian creations for Lightolier and Raymor. Middletown is proud of the efforts of Harry Gitlin, who uses polylin for his interesting shades on a number of table lamps. Heig-itz freshens the array with a group in white ceramic porcelain—black accent, of course.



JANE L. HANSON

Kurt Versen, one of our old stand-bys in the contemporary field, has added new colors, to their standard baked enamel finishes, and has pierced the metal reflectors.

And now FLOATING GEOMETRY—spheroid fixtures with vinyl skins over steel wire skeletons—the newest creations of George Nelson for Howard Miller. Actually, these simple balloon-like forms provide as much good atmospheric light as they do good fun. Their sprayed vinyl skins diffuse the light from ordinary 300 w. (or less) bulbs evenly and take on the color of any lamp used. Most of them float happily in spacious show rooms, lobbies, or high-ceilinged offices—and look well, hung in a group. A few of the interesting shapes, the little "beret" 13" high, and the tom-tom—which was chosen for the Good Design show—are suitable for contemporary homes. (Retail prices from \$25 - \$50.) All these fixtures have the rings on top and bottom which may be attached either to a tripod floor stand (\$4) or a mahogany and brass wall bracket (\$10). We will have these in our shop very soon as well as Mr. Nelson's "more shade than lamp group"—the Japanese kite adap-
(Continued on page 47)



MEMBERS OF THE PROGRAM COMMITTEE FOR THE 19th ANNUAL CONVENTION. Rear—Left to Right: Charles Marr, Setzler, Hubert Garriott, Carl Strauss, Melbourne Mills, Henry Bettman, Melvin Frank, E. C. Landberg, George Roth. Sitting: Rollin Rosser, Eugene Schrand, Boyd Huff, Ed Tyler,

THE MAKE-UP OF OUR NEW SCHOOL BUILDINGS

"The best is none too good for the school children of America," appears to be the slogan of the architects responsible for our newest school buildings. This is the conclusion of the editors of "The School Executive" magazine, after an analytical survey of over one hundred school plans submitted in the "Better School Design" competition for this year.

New school buildings in 33 states, from Maine to California and from Texas to Wisconsin, were entered, and included elementary, junior high, and senior high schools. Having regard to differences in climate and other regional factors, the schools were broken down into four zones — the *Far West* (including, for convenience, Texas and Oklahoma), the *Middle West*, the *South*, and the *East*.

The resulting study and analysis throws light on the materials and construction methods most favored within these respective zones, and affords also a comparison between the various sections of the country with respect to building practices and favored materials.

Steel and Concrete Are Favored

In the Far West, steel and concrete are most often chosen for the structural framework. Wood is by no means outmoded, however, in combination with steel and concrete. In one Oklahoma school, wood joists were used with wide-flange steel columns and beams. In one California school, Douglas fir framing is used with concrete pilings and foundations and structural steel. In two Texas schools, the framing is exclusively of wood.

Brick is reported only once (a Texas school) for structural use, but is relied upon frequently for exterior

facing. Redwood, as might be expected, is liked in California for both exterior and interior walls. So is Douglas fir plywood and in some cases rustic cedar.

The favored material for flooring is asphalt tile, usually on a concrete slab. Composition roofing, with tar and gravel, is the choice of most architects. In one notable prize-winning California school, redwood shakes are used for the roof. Acoustic tile wins as the choice for ceilings.

Steel sash is favored almost exclusively for windows. Lighting fixtures are, for the most part, concentric ring incandescent, with fluorescent making a minority showing. Plumbing is well standardized, with one leading make nearly always the winner. Heating and ventilation show more divergence; radiant heating in floor slabs is most favored, and the most careful attention is paid, in nearly every instance, to proper heating controls and adequate ventilating systems.

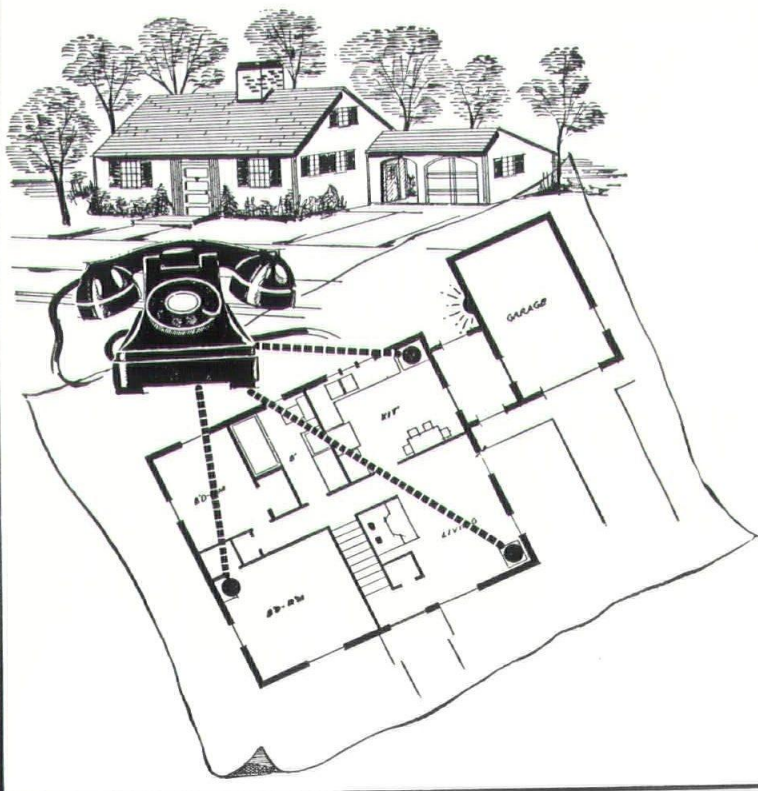
There is wide variation in the use of materials for wall decoration, chalkboard, and other special equipment. Green is the favored color for chalkboard, with Hyloplate and Son-Nel as the two types most often selected.

What the Middle West Prefers

In the Middle West, reinforced concrete and steel are the structural favorites. One Michigan school reports "wood frame and cinder block walls with concrete footings". Another Michigan school reports "poured gypsum roof slab," and still another by the same architect, "steel roof deck panels". Cinder blocks seem to be extremely popular in the Middle West for both exterior and interior walls, alone or in combination. Brick is also in much more common use in the Middle West than in the Far West, especially for the exterior facing.

(Continued on page 78)

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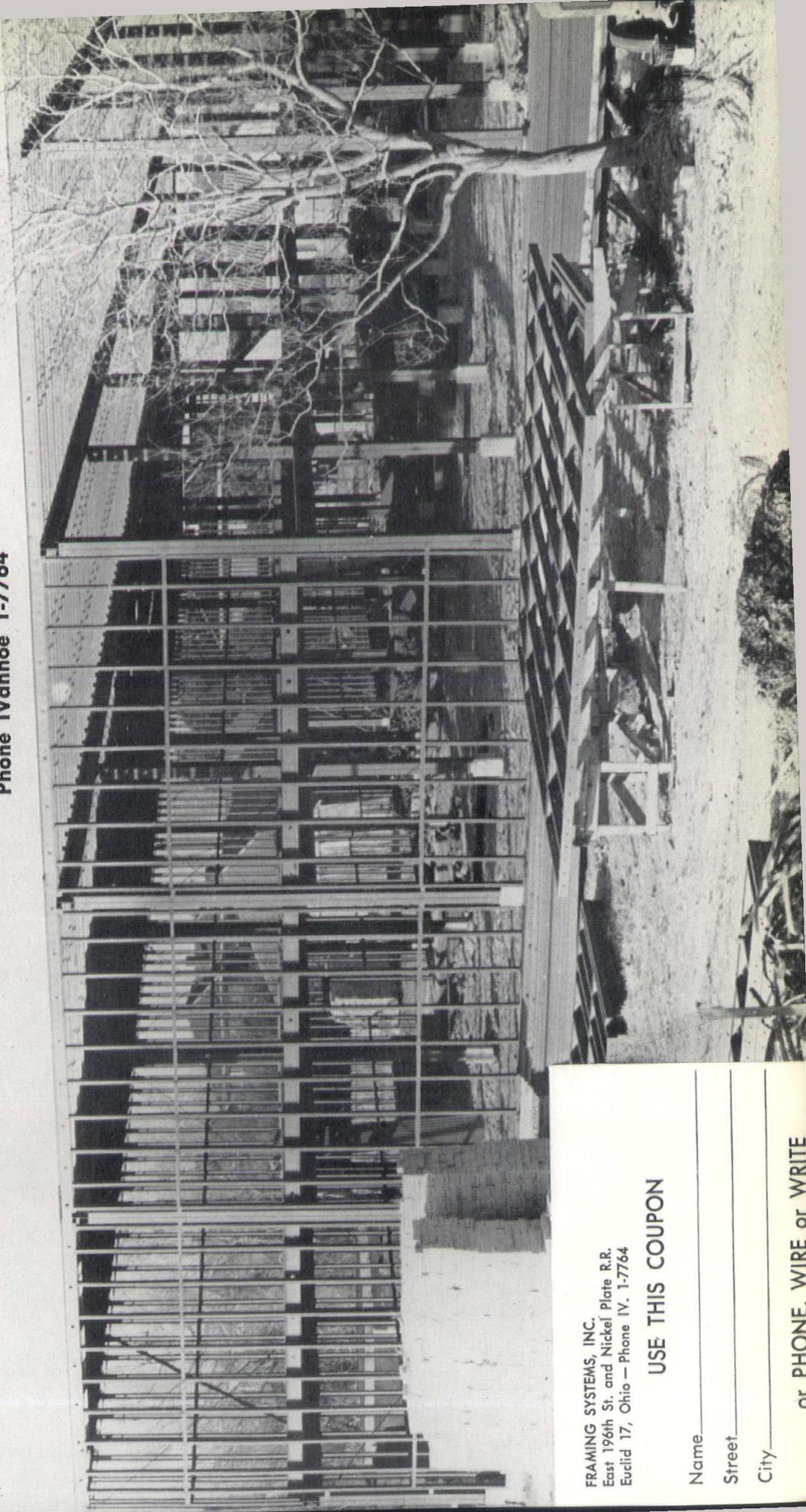
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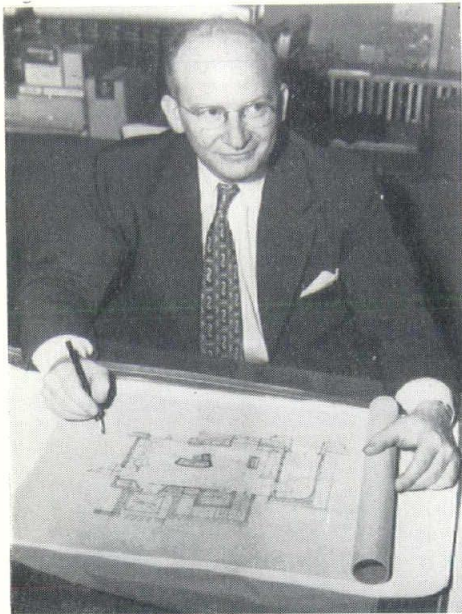
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Cleveland Architect's Chief Warns of Suburban Slum Circle

By **JOE SCHRAM**, Real Estate Writer "Cleveland Press"

Cleveland will be surrounded with slum suburbs within a generation if the suburbs don't set up a long-range building plan and start working at it now, Architect Joseph Ceruti said.



JOSEPH CERUTI, A.I.A.

"There are too many poorly founded restrictions placed on the builders and architects of the present generation," Ceruti said, "and it is impeding much desired building."

Committee Needed

Referring to suburbs still to be built up, Ceruti pointed out that two steps must be taken by these communities. First, they must develop a basic building plan that will fit a long-range scheme, and secondly, they must approve a committee and give it authority to carry out this plan.

Some of the communities named as places remaining to be built up were: Beachwood, Parma, Moreland Hills, Independence, Brecksville, Bay Village, Westlake, North Olmsted, Olmsted Falls and Maple Heights.

"A generation or two ago the principal job of an architect was to design monuments," Ceruti said. "The situation is much different today and the architect has an obligation to the community."

He said that the greatest challenge to the architect is in the residential field and that the architects fully realize this and are doing their utmost to meet the demand for new and better designed living.

"We architects are very willing to help any community which wants to plan a long-range building program and have set up an Urban Planning Committee for this purpose," Ceruti said.

Born in New York City May 7, 1912, Ceruti came to Cleveland two years later with his parents and has resided here ever since. He was graduated from Western Reserve University School of Fine Arts with a bachelor of architecture degree.

He was presented with the Cleveland Fontainebleau Scholarship in 1933 and went to France where he earned his Beaux-Arts Institute of Design Certificate. After that, Ceruti had two years of graduate work at Princeton University.

(Continued on page 48)

"Cleveland never met the issue of planned building straight in the face. Look at the mess that now exists," Ceruti added. "This city waited about two generations too long before it started to build for a future, minus slums."

Ceruti, recently elected president of the Cleveland chapter of the American Institute of Architects, said that most suburbs are planned by laymen who know very little, if anything about long-range building.

Columbus Chapter in Mansfield

The Columbus Chapter of the American Institute of Architects held its summer meeting at the Westwood Country Club in Mansfield, Ohio, on July 24. This summer meeting has become something of a tradition in the Columbus Chapter. Charlie Conklin, architect of Mansfield, and a long time member of the Columbus Chapter, acted as host. The Columbus Chapter members have welcomed this chance to extend their activity to the outer edge of the Chapter area, and Mansfield has at the same time felt more a part of the Chapter as a result.

No golf was played this time, probably because of the Democratic National Convention, which was then in session and which drew the attention of many of us. Those attending from Columbus were Mel Frank, Bob



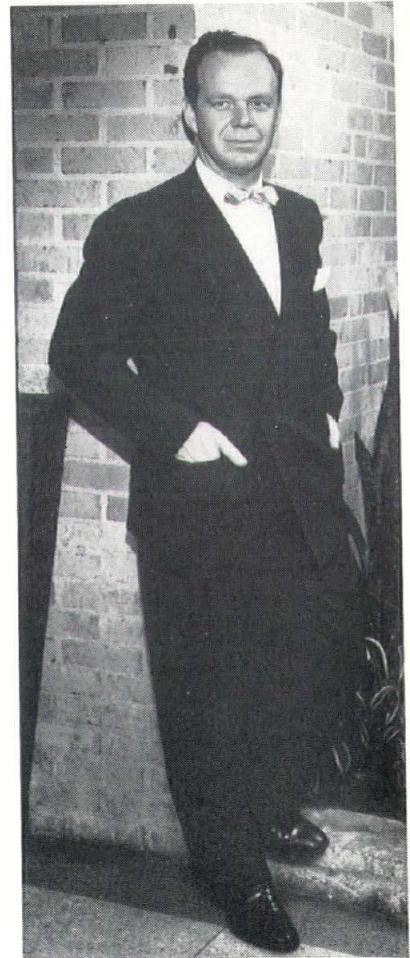
Columbus Chapter Delegates to the A.I.A. National Convention. Left to right: Elliott Whitaker, Ralph C. Kempton, Charles Cloud, William Breidenbach, Frederick H. Hobbs, Jr.

Reeves, Pete Linch, "Whit" Whitaker, George Clark, Dick Matheny, Bill Breidenbach, Paul Winters and Fred Hobbs. Several other members tried to get there but were unable to do so due to last minute circumstances.

Charlie Conklin persuaded "Tubby" Jones, a one time member of the A.I.A., and distinguished practitioner in Mansfield, to rejoin our ranks. It was a pleasure to have him there and to enjoy the splendid building of the Westwood Country Club, which Mr. Jones designed. Also present was another architectural colleague from Mansfield, Mr. Orval Matthews, who we hope to get into the ranks of the A.I.A.

Tom Zaugg ably assisted Charlie Conklin in dispensing Mansfield hospitality. John Conard, President of the Fairfield

(Continued on page 47)



FREDERICK H. HOBBS, JR.
President Columbus Chapter

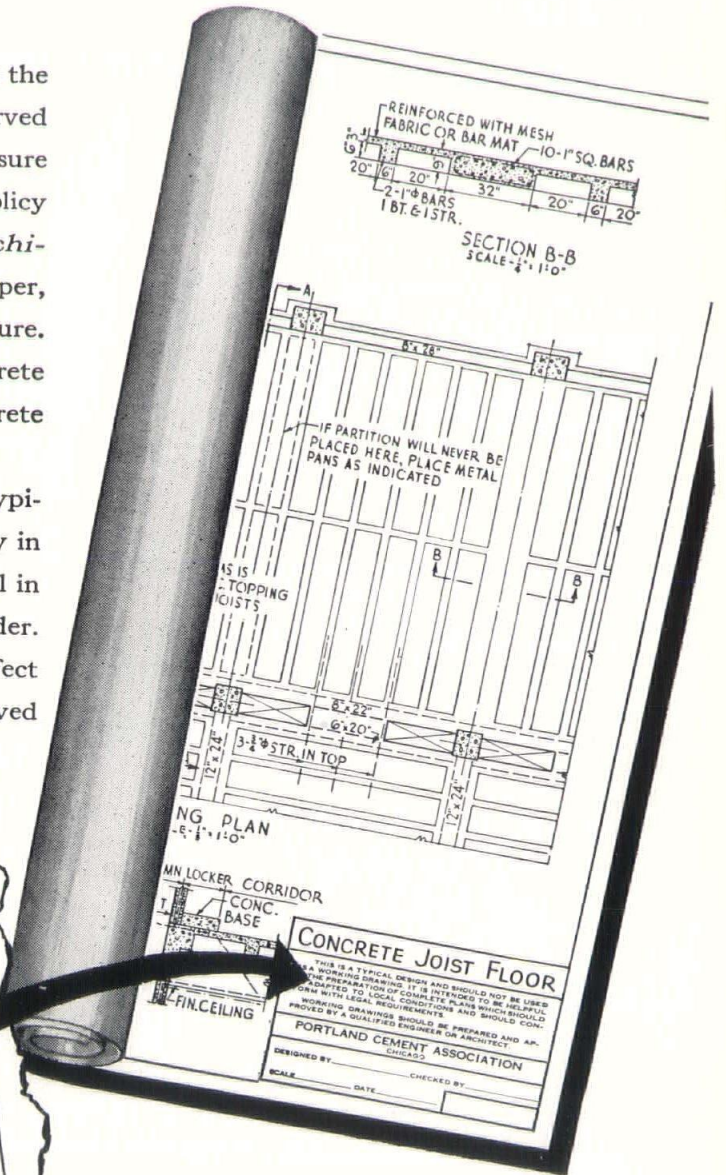
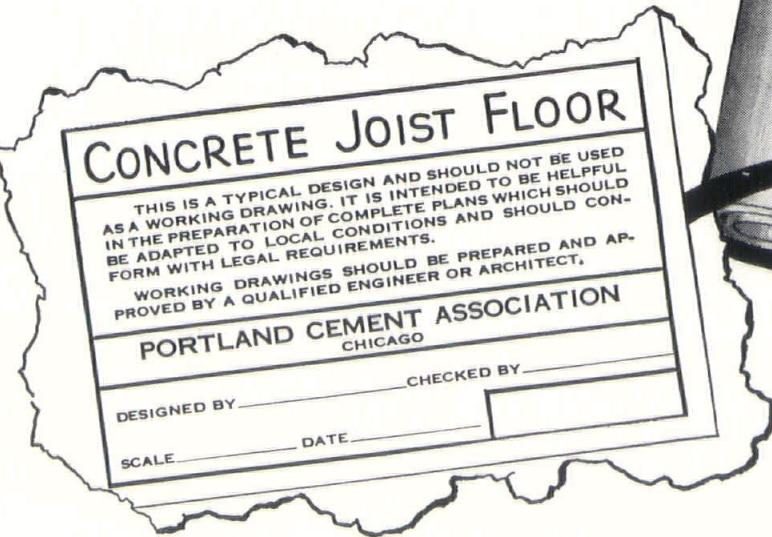
PCA Policy on Engineering and Architectural Service

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A principal function of the Association's staff of concrete technicians is to assist engineers and architects with concrete design or construction problems.

The educational literature and the many drawings of typical concrete uses which the Association distributes widely in the United States and Canada, are intended to be helpful in obtaining the maximum service which concrete can render.

Drawings of typical designs carry a notation to the effect that final working drawings should be prepared and approved by qualified engineers or architects.



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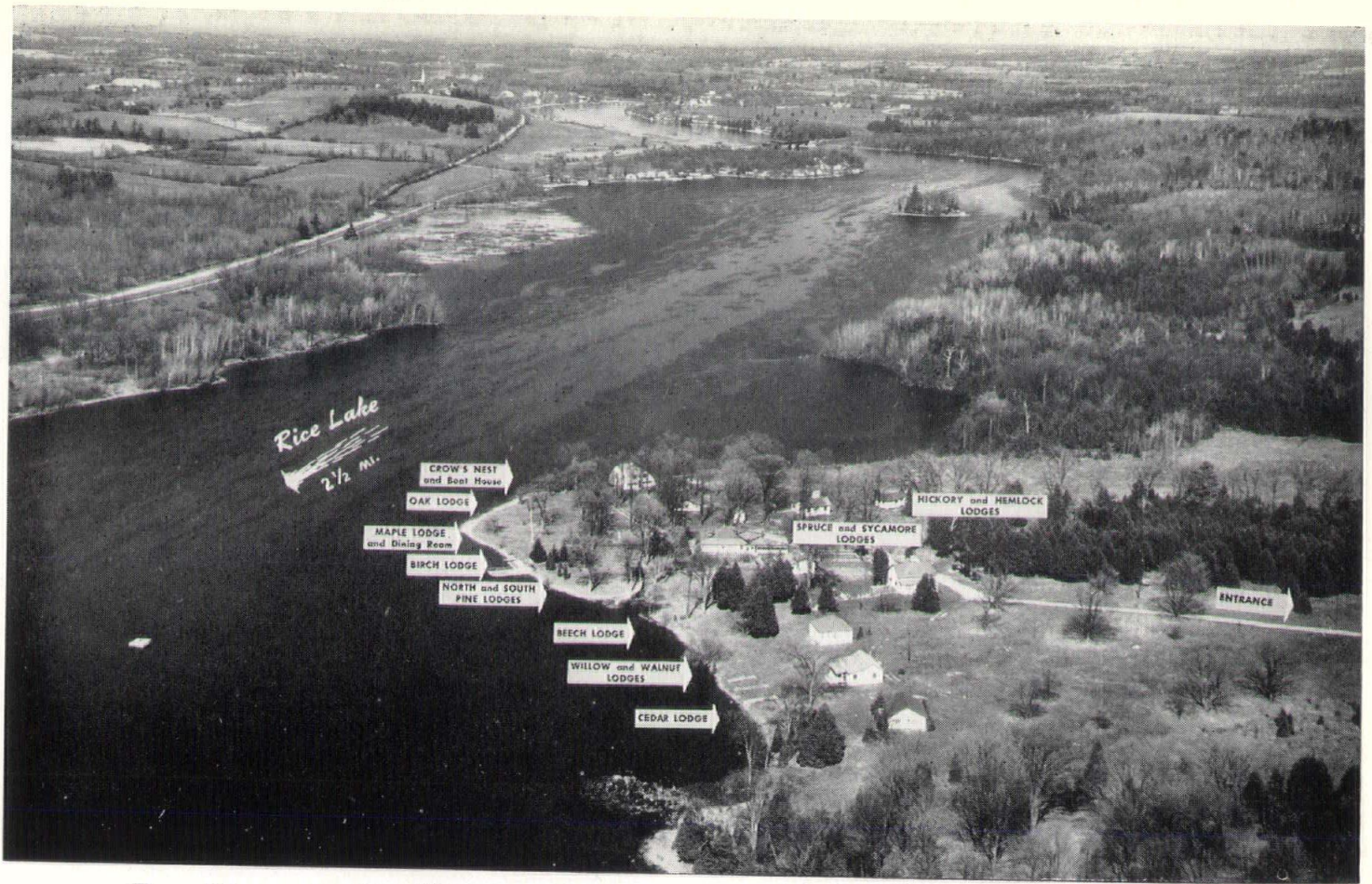
- 1750 Abbot, Henry M. (Pichler & Abbot) 17 S. High St., Columbus 15
935 Abenroth, Fred J. (Regional Plan Com.) Rm. 415, The Arcade, Cleveland 15
1779 Abramovitz, Max (Harrison & Abramovitz) 630 Fifth Ave., New York 20, N. Y.
444 Adams, John Quincy, 33-35 S. Champion Ave., Columbus 5
1353 Adams, John Q., Jr. 1575 West First Ave., Columbus (12)
1905 Adams, Richard C., 312 5th Street, Williamstown, W. Va.
1719 Agree, Charles N., 1140 Book Bldg., Detroit 26, Mich.
1181 Ahlert, William L. E. (Div. of Bldgs.) City Hall, Cincinnati 2
1306 Albert, Jack (Garfield, Harris, Robinson & Schafer) 1740 E. 12th St., Cleveland 14
181 Albrecht, Herman J., 512 McClymonds Bldg., Massillon
1244 Alcox, Lawrence H., 1720 Waltham Rd., Columbus, Ohio
1986 Alexander, James M., Jr., Box 612-B, Rural Rt. No. 6, Cincinnati (15)
1518 Alexander, Louis T., 77 Bank St., Waterbury 18, Conn.
1192 Alge, Robert P., First Natl. Bank Bldg., Findlay
255 Allan, James E., 914 Main St., Cincinnati 2
424 Allen, Harry G., (State Arch) 705 Ohio Depts. Bldg., Columbus (15)
1378 Allen, J. Lloyd (Allen & Kelley) 333 N. Pennsylvania St., Indianapolis 4, Ind.
1691 Alling, Stephen J., 7373 Kirkwood Lane, Cincinnati (33)
946 Allison, Donald M., 715 Prospect Ave., Cleveland 15
1844 Almirall, Francis C., 5044 Millwood Lane, N. W., Washington (16) D. C.
746 Altshuld, Meyer I., 3510 Springdale Ave., Baltimore (16) Md.
194 Althouse, William L., 683 Maple St., Mansfield
1657 Altman, Harry W., Craig and Derrick Sts., Uniontown, Pa.
1946 Ames, Carl Lloyd, 3505 W. Center St., Milwaukee (10) Wis.
1534 Anderson, Helmer N., 1105 Forest Ave., River Forest, Ill.
1813 Anderson, Wallie, 6483 Kerneywood Dr., Cleveland (29)
806 Andrews, Frank T., Jr., 12417 Cedar Rd., Cleveland (6)
1241 Arany, Alec J., 4439 Stansbury Ave., Sherman Oaks, Calif.
1899 Arduser, Robert C., 3750 Charloe Court, Cincinnati (27)
1094 Arend, Arthur R. (Arend and Arend) 914 Main St., Cincinnati 2
1275 Arend, William S. (Arend and Arend) 914 Main St., Cincinnati 2
2074 Armbrust, Mel K., 2616 Westmont Blvd., Columbus (12)
1338 Armstrong, Timothy G., 1124 West Goodale Blvd., Columbus (8) Ohio
1153 Arrasmith, William S., 410 Lincoln Bank Bldg., Louisville (2) Ky.
374 Austin, Ernest W., 212 Clinton Hts. Ave., Columbus (2)
556 Ayers, Robert D., 7815 Dublin Rd., Worthington
1079 Azzarelli, Frank A., 4826 Eppes St., Houston 4, Texas

-B-

- 323 Bacon, Francis R. (School of Arch., WRU) 11206 Euclid Ave., Cleveland (6)
842 Baer, Arthur F. (Cleveland Board of Education) 1380 E. 6th St., Cleveland 14
643 Badowski, T. A., 7109 Harvard Ave., Cleveland (5)
311 Bail, Frank W., 2230 Hendry St., Ft. Myers, Fla.
1828 Bail, George H., P. O. Box 310, Fort Myers, Florida
312 Bail, Ralph E., 2230 Hendry St., Ft. Myers, Fla.
856 Bailey, Alonzo W., 715 Prospect Ave., Cleveland 15
537 Baker, John H. (C. F. Cellarius) 906 St. Paul Bldg., Cincinnati 2
1125 Baker, Joseph E., 180 Hudson Ave., Newark
2066 Bakie, Ernest S., 126 Glenridge Place, Cincinnati (17)
528 Ball, George J., 614 Met. Bldg., Akron 8
1689 Ballinger, Robert I., 121 North Broad St., Philadelphia 7, Pa.
1196 Barber, Charles L., 1217 Madison Ave., Toledo (4)
548 Barber, C. Merrill, 1900 Euclid Ave., Cleveland (15)
706 Bardon, Oliver H., 305 East Sixth St., Cincinnati 2
1132 Barnes, Paul K., 1950 Lee Rd., Cleveland (18) (Spahn and Barnes)
1129 Barone, Pascal V., 61 Burley Circle, Cincinnati (18)
151 Barrett, Leo J., 2123 East 9th St., Cleveland (15)
1981 Bassett, William Howard, 49 Parklawn Blvd., Columbus (13)
2037 Bauer, Orville H., 6 Tremain Drive, Toledo (10)
456 Baumer, Herbert, Ohio State University, Brown Hall, Columbus (10)
1163 Baxter, Cyrus L., 3903 Oak St., Cincinnati (27)
1721 Beardsley, Wallace P., Seward Block, Auburn, N. Y.
1437 Beatty, Hamilton, 15128 Terrace Rd., East Cleveland (12)
1044 Beatty, Robert F., Potters Sav. and Loan Bldg., E. Liverpool
367 Beck, William H., 4989 Delhi Pike., Cincinnati (38)
572 Becker, John W., (Garriott, Becker) 800 Broadway, Cincinnati 2
102 Becker, Karl H., 201 Gardner Bldg., Toledo 4
934 Becker, William E., 205 E. Gambier Ave., Mt. Vernon
1668 Beeghly, Robert R. (Potter-Tyler-Martin) 128 Sixth St., Cincinnati (2)
1290 Beidler, Herbert B., 952 N. Michigan Ave., Chicago 11, Ill.
1215 Beihl, George P., 527 S. 27th St., Lafayette, Ind.
1855 Belford, Kenneth E., Jr., 1051 N. Springfield Ave., Chicago (51) Ill.
666 Bell, Wayne Everett, 33-35 Wroe Ave., Dayton (6)
926 Benham, Eugene T., 1124 W. Goodale Blvd., Columbus (8) (Benham, Richards and Armstrong)
1736 Bennett, Robert J., Monongahela Bldg., Morgantown, West Virginia
1329 Bentz, Carl E., 965 E. Broad St., Columbus (5) (Tibbals, Crumley and Musson)
1968 Berger, Boris, 765 Greenwood Ave., Cincinnati (29)
1722 Berger, Leo V., 356 Fulton St., Brooklyn 1, N. Y.
1651 Bernhard, Harold C. (Shreve-Lamb-Harmon) 11 East 44th St., New York (17) N. Y.
1543 Bernstein, Nathan, 4618 Euclid Ave., Cleveland 3
626 Berold, Charles F., Box 75, Newton, Ohio
1730 Berr, Alfred H., Jr., 18222 Newward Rd., Cleveland 19
645 Bertsch, F. Wm., 1824 Carew Tower, Cincinnati (2) (Kruckemeyer-Strong)
1278 Bettman, Henry A., 517 Provident Bank Bldg., Cincinnati 2
1891 Betts, Charles J., 222 S. Downey Ave., Indianapolis (7) Ind.
1571 Betz, Eugene W. (Schenck and Williams) 1406 Third Natl. Bldg., Dayton 2
1992 Betz, Fred E., 1055 Cornado Ave., Cincinnati (38)
1443 Beyvl, James W., 11712 Robertson Ave., Cleveland (5)
1796 Bialosky, Jack Alan, 2845 S. Moreland Blvd, Shaker Hts. (20) Cleveland (15)
1755 Bickerstaff, Glenn A., 1311 Investment Bldg., Pittsburgh 22, Pennsylvania
742 Bicknell, Russell A., 6959 Miami Rd., Cincinnati (27) O. (Mariemont)
1580 Bingham, George R., 702 Stanley St., Middletown
1499 Binkele, Robert M., 654 George St., Lancaster, Pa.
684 Birchfield, John R., Sr., 1110 Hanna Bldg., Cleveland (15) (Conrad-Simpson)
1674 Biskup, Emil J., 4350 Harris Rd., R. D. No. 8, Brecksville
2073 Bittinger, Eugene P., 3041 East Overlook Rd., Cleveland Hts (18) Ohio
1785 Black, Gerald R., 803 Century Bldg., Pittsburgh (22) Pa.
1939 Blair, Dennis E., 2048 Pratt St., Chicago, Ill.
1665 Bliss, Edwin F., 569 East Exchange St., Akron (6)
595 Bloodgood, Wylie, 418 Benton St., Aurora, Ill.
605 Boccia, Michael G., 505 Osborn Bldg., Cleveland
988 Bock, Edward Paul, 3377 Bradford Rd., Cleveland (18)
623 Boenisch, Julius (Assoc.-M. H. White) 804 Finance Bldg., Cleveland (15)
1030 Bohlen, August C., 930 State Life Bldg., Indianapolis 4, Ind.
1021 Bolinger, Donald D., 2300 Oak Park Ave., Dayton 9
156 Bollinger, Orville F., 1228 Dorr St., Toledo 7
1541 Bolton, Charles L., 1505 Race St., Philadelphia (2) Pa.
1747 Bonebrake, John C., 20812 Sydenham Rd., Shaker Hts. 22
838 Bonfield, Harold O. (Bonfield and Cumming) 1900 Euclid Ave., Cleveland 15
1604 Borchers, Perry E., Jr., 1870-F Northwest Blvd., Columbus (12)

(Continued on page 49)

THE OHIO



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The cedar-scented air is fresh and invigorating. The fishing is good, with an abundance of large and small mouth bass, wall eyes, muscallonge and smaller fish. The waters are safe for fishing, not being subject to rough, quick storms as are the waters of the average Canadian Lake. For recreation there are two night-lighted shuffleboard courts, a badminton court, horseshoe court, a nine hole putting course, archery range, target range for air pistols, excellent swimming that is safe for children, boating, hiking, etc. Golfers are welcomed at two excellent country clubs at Cobourg and Peterborough. Wide, shady lawns, amply provided with lawn chairs, are ideal for relaxation. Trentwood is an ideal spot for families with children.

Thirteen private lodges are equipped with every modern convenience including hot and cold water, flush toilets and showers and the beds are equipped with inner-spring mattresses to provide the utmost sleeping comfort. Four are equipped for housekeeping. Trentwood has every

facility for the comfort and entertainment of all guests, large and small, and provides an ideal spot for the vacation-minded American who wants the fresh, clean, invigorating air, the beautiful wooded hills and waters of Canada without sacrificing the modern comforts to which he is accustomed. There are private lodges to suit every requirement of from two to eight-person groups. Full hotel service is provided in the making of beds, cleaning, etc., bedding, linens, towels, etc. are furnished so that guests have nothing to interfere with their pleasure.

Maple Lodge is the recreation center with facilities for dancing, music, games and a library for the guest's pleasure. In Maple, also, is the dining room, open for breakfast from 7:30 to 9:30, for luncheon from 12:00 till 2:00 and for dinner from 5:00 till 6:30. The Snack Bar, also in Maple Lodge, is open from 2:00 to 5:00 and from 6:30 till 10:00 for the service of sandwiches, beverages, ice cream, candy, cigarettes, etc. Food is of the finest, well prepared and attractively served.

Guests at TRENTWOOD are the type of people you will enjoy meeting and associating with. The atmosphere is friendly and informal. Many lasting friendships have been made at Trentwood.

Five conveniently placed docks provide space for easy access to boats. The boats are the finest we can obtain and are kept safe and seaworthy. Outboard motors may be rented if desired. Fuel for outboards is available for those who bring their own, as is bait. Power cruisers are available for fishing parties or pleasure trips.

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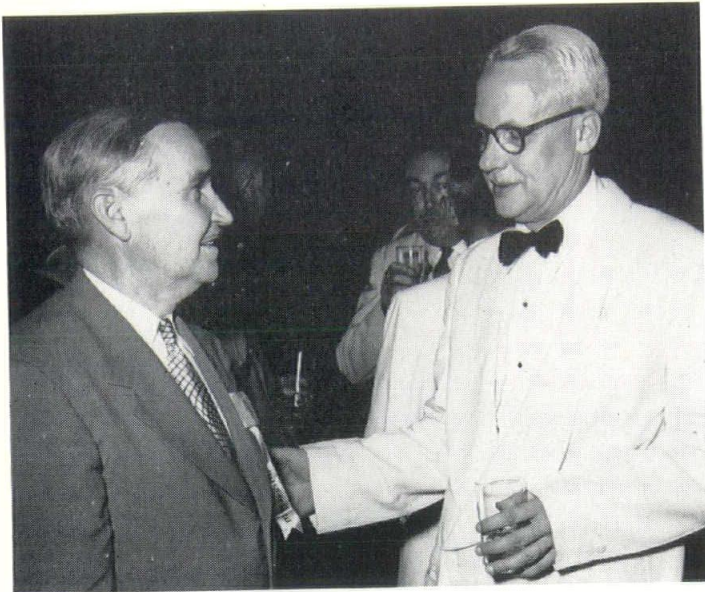
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The Dodge Cocktail Party Was Enjoyed

Your editor enjoyed himself immensely at the cocktail party given by F. W. Dodge Corporation on the sun deck of the Barclay Hotel, on Wednesday while attending the 84th Annual Convention of the American Institute of Architects.



Ralph C. Kempton

Emerson Goble

Everything was just right but the temperature, which was a little on the plus side. The cordiality of the hand shaking and friendly greetings were of the genuine char-

acter that makes conventions worthwhile, and adds to the desire to attend again, again and again. Sure the V.I.P.'s and Top Brass were on hand, including (?), your editor who was given a guided tour by Jeanne Davern, Asst. News Editor of the "Architectural Record."

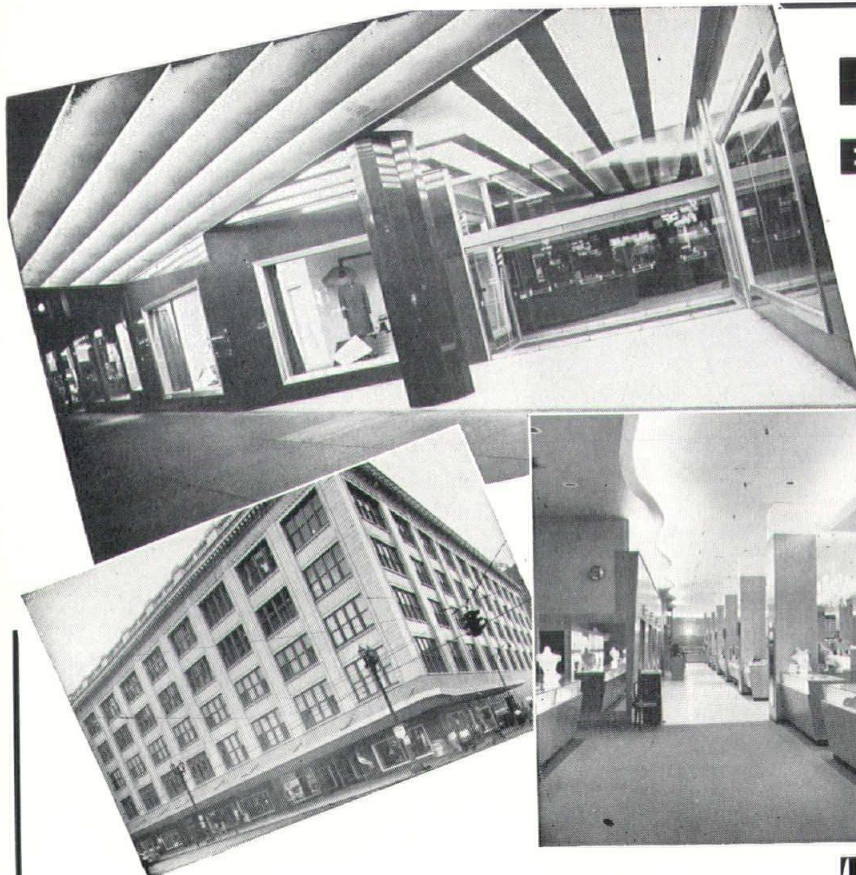
The managing editor, Emerson Goble was on hand to extend the gracious hospitality of the Record and to give a lot of fine advice to one country editor. At least it is free so far as no statement or bill has been received to date. Both Managing Editor Goble and Asst. Editor Jeanne Davern assured Mr. Stapleford and your editor that the Record was genuinely interested in the Architects Society of Ohio and the "Ohio Architect," so we must not let them forget us.

Concerning Engineers and Education

(Continued from page 22)

facts. And that is why business and industry are finding Engineers so valuable in executive positions that we have an actual shortage of Engineers in the strictly Engineering field of employment. And the same reason may have more than a little to do with the fact (for it is a *fact*) that the political powers of our land are using every means within their reach to aggravate that shortage, such as conscribing thousands of trained Engineers into the Armed Services and putting them at such highly professional duties as K.P.

There are signs that Engineers are growing weary of being treated as errand boys for politicians and financiers. Hurrah! Some have even resigned highly salaried positions in industrial or governmental service rather than prostitute their professional honor. Hurrah again! May there be many more like them! Is it too much to hope that we may yet see the day when America as a nation will demand, "Get the facts!"?



Top: Marquee and Entrance; Lower Left: Entire Building; Lower Right: Aisles of 1st floor. Photos courtesy The Interior Marble & Tile Co.

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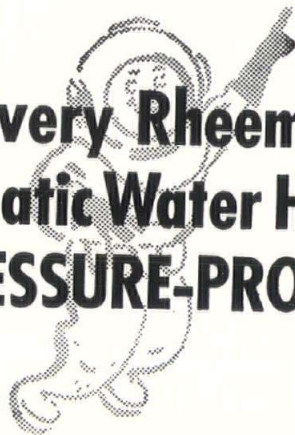
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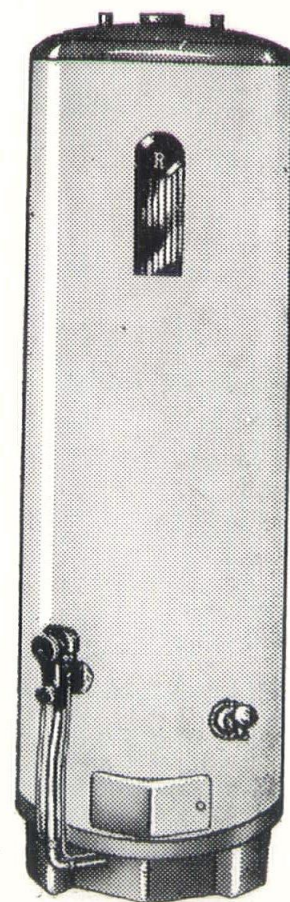
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It has built-in draft hood which gives more ceiling room. Lower opening saves 5 inches.



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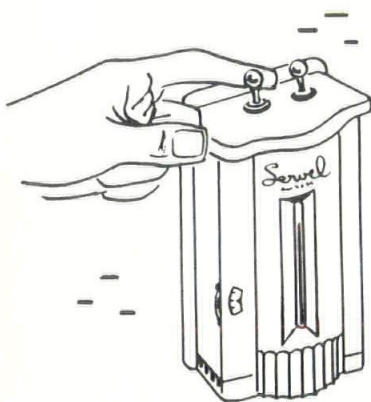
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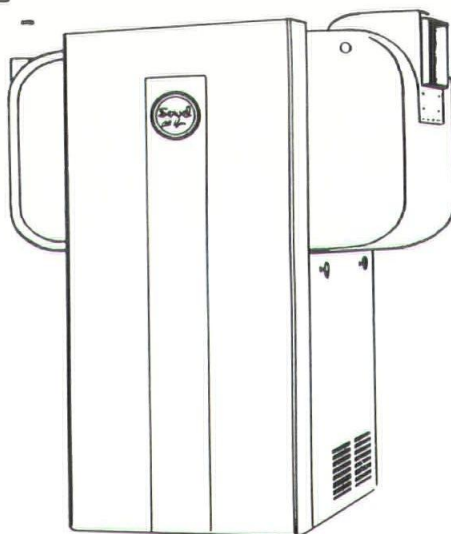
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WE CONGRATULATE

By ED STAPLEFORD

We congratulate W. K. Barkett, President of Neo Sales, Inc., with offices and warehouses in Cleveland and Akron, distributors for Modernfold Doors, Goodyear Vinyl Flooring and Johns-Manville Asphalt Flooring—all products well known to and specified by architects throughout the state, on



W. K. "WOODY" BARKETT

having accomplished, what few distributors have, in influencing two of his suppliers to join nationally The Producers Council, New Castle Products Co. of Newcastle, Ind., (Modernfold Door) and The Goodyear Tire and Rubber Co., Akron (Vinyl Flooring).

Mr. Barkett knows of the close association of the Producers' Council and the A.I.A., knows that it was started at the suggestion of the A.I.A. some 27 years ago. So he has respect for the Producers Council to such an extent that he has prevailed upon these two suppliers to join. Johns-Manville has been a member for years.

Mr. Barkett's endeavor is to work intelligently and closely with the architect and to give the service necessary, that the finished job will be a credit to the architect. So we think he should be congratulated in getting two of his suppliers to join in this effort and prove themselves worthy to service the architect and his specifications.

J. EDWARD VANCE DIES IN THE WEST

Word has been received of the passing of Edward J. Vance on June 28, in Bellington, Washington. He started to practice in Akron, Ohio in 1921, where he was located at the time he was registered in Ohio in 1930.

President of Canton Corp., Canton, who was recently chosen to head the Stoker Manufacturers Association has announced the appointments of the following as chairmen of the organization's committees to serve as a cabinet and guide the endeavors of the group for the ensuing year:

- L. L. Getz, Chief Engineer of Steel Products Engineering Company, Springfield, Ohio, as Chairman of the Engineering and Research Committee.
- Claude A. Potts, of U. S. Machine Corporation, Lebanon, Indiana, Chairman of the Government Relations Committee.
- George W. Graham, of Eddy Stoker Corporation, Chicago, Illinois, Chairman of Membership Committee.

SMITHS RETURN FROM TRIP ABROAD

Mr. and Mrs. Howard Dwight Smith, 1950 Arlington Ave., Columbus, arrived in New York City recently after spending two very interesting months abroad. They left by plane late in May going first to Paris and then to Switzerland.

After a brief stay in Athens, Greece they went to Cairo, Egypt where they were guests for a month of Mr. and Mrs. Al Allam. Mr. Allam is a graduate of Ohio State University where he was a member of the swimming team. During his student days at Ohio State he was a frequent visitor in the Smith home in Upper Arlington. The Smiths were entertained by his parents and his brother during their stay in Cairo. One of the high points of their visit in Egypt was a boat trip up the Nile River.

Mr. and Mrs. Smith will be the inspiration for a gathering of members of their family who live in the vicinity of New York City. Mr. and Mrs. Robert deGroot (Sybil Gramlick) and Mr. and Mrs. Robert Jackson Smith (Jack) are both living in New Greenwich, Conn., and they will be joined by Mr. and Mrs. Marjorie Packard, (Marjorie Smith) 2741 Fairfax Rd., who are on a trip east. Mr. Packard is in charge of the landscaping at a large development, Fairless Hills, in Bucks County, Pa. and he and Mrs. Packard will go from there to New York City and on for a visit in Atlantic City before returning to Columbus.

er's Skedaddle to Seattle in 1953
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LUETHI & WELCH CO.	73 East Naghten St., Columbus
RADIANT CO., INC.	743 Kiser St., Dayton

Josam Wins Award

The Josam Manufacturing Co., manufacturers of Plumbing Drainage Products is the winner of one of the three awards in the Space Advertising classification in the 1952 Product Literature Competition, sponsored by the American Institute of Architects and the Producers' Council.

This award is given annually in recognition of excellence in building product literature and advertising based on its technical and informative value to the architectural profession.

Perrysburg School

(Continued from page 17)

Glass chalkboards with map holders and cork tack boards are amply applied on walls. The poplar wood trim around openings and covering of beams as well as work counters, cabinets and doors are in driftwood finish.

The children love the colorful kindergarten. This room, measuring 32 by 30 feet plus a 12 by 15-foot alcove, is done in bright colors with a gray-green linoleum covered floor featuring inserts of nursery rhyme characters and animals.

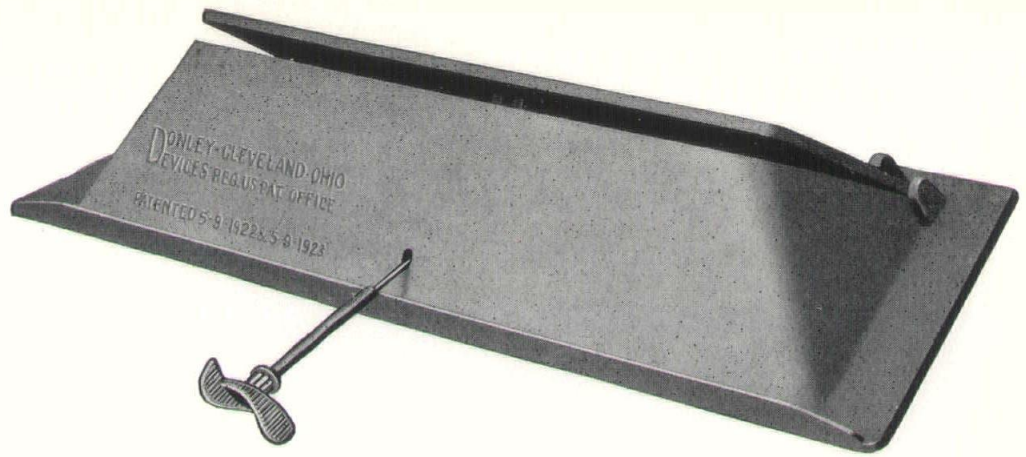
The exterior wall is entirely a red-wood bar windowed square bay with built in seat under the window. At one end of the room is a large fireplace with wood paneling on the entire wall. A sink with hot and cold water and a drinking fountain are built into one of two counters. The other counter, located on the other side of the alcove, provides ample space for children to work.

Counter, chalkboards, window seat and toilet fixtures are all scaled to the size of the occupants. A one-way view glass in the corridor gives persons an opportunity to view the children without disturbing them.

Three rows of fluorescent lights are installed full length of the classrooms. Work counters in all rooms are flood-lighted by fixtures under the cabinets over the counters. Primary classrooms are 24 by 36 feet plus 12 by 15 alcoves, while the intermediate classrooms are 24 by 37 feet. The alcoves were eliminated in the intermediate classrooms to obtain other desirable features in the building not included in the original plans. By eliminating the alcoves and toilets in these rooms it was possible to build ten instead of eight intermediate classrooms.

Two toilet rooms for pupils of all intermediate grades are provided in a rear wing corridor. These rooms are also accessible to the public using the auditorium and lounge-lobby.

(Continued on page 40)



"The Donley Damper"

Specifiers should bear in mind that this term refers to a varied line of dampers, designed to meet many situations. In every case the Donley name assures the best and most lasting quality, with design that co-ordinates with long tested fireplace planning. A Plan Sheet with instructions is attached to every damper.

Cast Iron Dampers

Popular, dependable Donley Dampers with some four decades of successful use behind them. Regularly furnished in 11 sizes, from 24" to 96", in either Rotary Control or Poker Control types. Four sizes, 30", 33", 36" and 42" are available with Chain Control.

Cor-Ten Steel Dampers

Made of special, corrosion resisting U.S. Steel alloy of high tensile strength. Not to be confused with light steel dampers sold on price. Fabricated from heavy gauge metal and qualified to maintain the Donley reputation in all respects. Available in five sizes, 24", 30", 33", 36" and 42".

Rotary Control

A simple, trouble-free method of draft regulation (and soot exclusion when fireplace is not in use) by turning key that projects from fireplace breast.

Poker Control

A poker hooked through ring on a hanging lever arm opens and closes the valve plate. Preferred where piercing of face material is not desired.

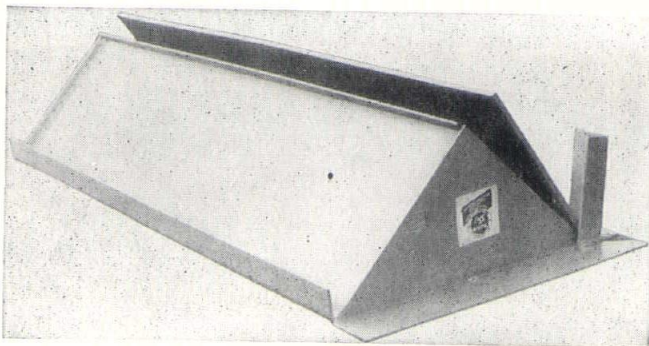
Chain Control

Alternate pull on two hanging chains opens or closes this damper. Four sizes in cast iron — 30", 33", 36" and 42".

Donley Square End Damper

Dampers described above have splayed ends to co-ordinate with reflector-like interior of usual fireplace. For certain unusual types, Donley offers this Square End Damper of wider throat capacity. Especially intended for projecting corner fireplaces, double opening fireplaces and those with three-way view of the flame. Made of steel in four sizes — 32", 36", 40" and 48".

For fireplace plans and instructions that have been adopted as standard in many architect's offices, rely on the Donley Book of Successful Fireplace—sent without charge to architects applying on own stationery.



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Ohio Manufacturers Exhibiting at New York Convention

By ED STAPLEFORD

The Art Metal Co., Inc., Cleveland manufacturers of lighting fixtures are well and favorably known to the architect. Here we talked with Mr. George Glatther, their genial president. With him were his chief engineer, A. W. Matteson and Sales Manager Brooks Chas-sang. Mr. Glatther told your reporter that never in his experience had there been such interest shown in his products by architects from all parts of United States as well as foreign countries.

The Formica Company, Inc., Cincinnati, with Mr. William Miller in attendance, and formerly from Cincinnati. Would we not say this concern is the grand-daddy of all in its industry?

Master Builders Company, Cleveland, well known and an old established company with sales offices throughout the country—some 40 in the United States—manufactures of tectional treatments for cement and masonry. Two aggressive and well informed representatives manned this booth.

American Structural Products, Toledo, whose name has been but recently changed to The Kimble Glass Co., manufacturers of glass blocks and a subsidiary of Owens Fiberglass Corp.—here we found an old friend, Charlie Stark, himself a registered architect but now Ohio sales manager. If there ever was more interest in the use of glass in the building industry—we don't know when. We missed Mr. E. P. Lockhart, the General Sales Manager of the Insulux Division. He had to leave for Philadelphia before the Convention adjourned.

Martin Parry Company, Toledo, manufacturers of movable partitions. We know this concern has a live

wire distributor for Ohio. It is the Midwest Acoustical and Supply Co., Cleveland, sparked by its president, Howard Wiley.

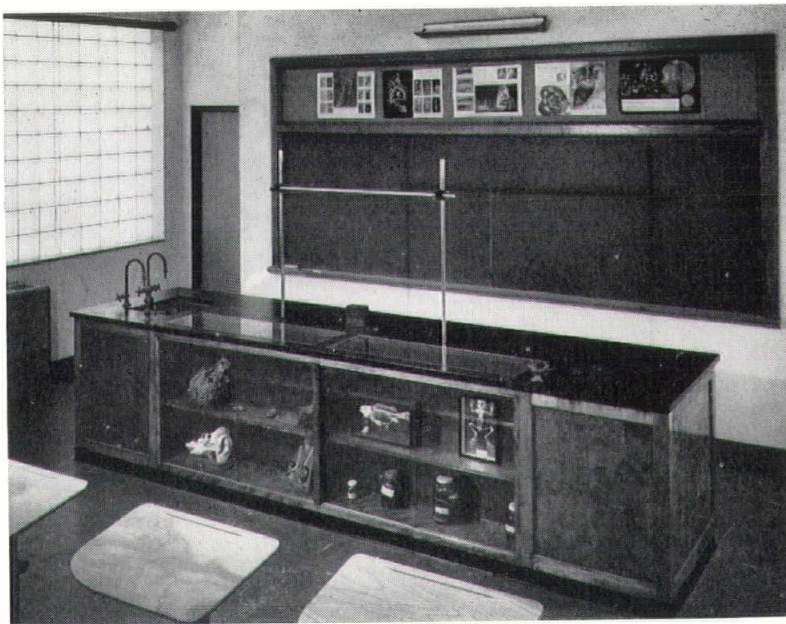
Tremco Manufacturing Co., Cleveland, manufacturers of Tremglaze, a mastic glazing compound for metal or wood windows.

And not from Ohio but our neighboring state of Indiana, we visited the booth of the New Castle Products Co., Newcastle, Ind., manufacturers of the often specified and well known Modernfold Door. This is the only manufacturer of its industry to be a member of the Producers Council. Here we saw an old friend, D. C. "Danny" Danielson, the sales manager, and he can take pardonable pride in having helped to make his concern what it is today. "Danny" had with him his wife and mother. A good opportunity for "friend wife" to get away from two small daughters. It being the first trip of his mother to New York (she hailing from where the "west begins," South Dakota) they undoubtedly really saw old New York town.

And at this booth another pleasant surprise—finding the top distributor in the country for Modernfold Doors, W. K. "Woody" Barkett. Although he is located in Cleveland, being Cleveland and Northeastern Ohio distributor of Modernfold Doors, he came to the Convention to find how eastern architects felt about Modernfold Doors. There with his delightful wife—she taking this opportunity to have a real vacation away from three lively little daughters. "Woody" as we know him in Cleveland, is also president of Neo Sales, Inc., Ohio distributors for Goodyear Tire & Rubber Co., Vinyl and rubber flooring, also John's Manville Terraflex and Asphalt flooring.

Both "Danny" Danielson and "Woody" Barkett are

(Continued on page 47)



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GREAT LAKES REGIONAL COUNCIL

By JOHN N. RICHARDS, Regional Dir. Great Lakes Dist.

The A.I.A. Board has asked all Regional Directors to form a Regional Council in his Area. Regional Councils are now in operation in the New England, Northwest, Gulf States, New York, Texas and Sierra Nevada Districts. Brief reasons for the organization of a Regional Council, with appropriate representation from each Constituent Chapter, such Council being required to meet with its Regional Director at periodic intervals for the purpose of:

1. Discussing all problems pertinent to the District.
2. Informing and advising the Regional Director of the needs and wishes of the member chapters.
3. Being informed and advised by the Regional Director of the Administration and policies of the National body.
4. Preparing for the use of the National Convention, a study of the qualifications of candidates for the office of Regional Director.
5. To formulate plans for Regional Operations, including regional meetings, seminars or conventions.
6. To promote fellowship and understanding on a regional basis so as to strengthen the bonds of the membership as a region with the membership of the Institute Nationally.
7. To promote a closer working agreement with the Board of Directors of the Institute through the council, to the Regional Director, and the Board.

Accordingly, the Regional Director met in New York in June, with Representatives from every Chapter in the District, and was given unanimous approval to proceed with organization of the Great Lakes Regional Council. Therefore, Charles Marr, Ohio; Melbourne Mills, Kentucky; Talmadge Hughes, Michigan; and Karl Schwarz, Indiana; were appointed Rules - By-Laws Committee.

The By-Laws Committee has produced a very simple set of By-Laws. Copies of the proposed documents will

be sent to each Chapter President. It is requested that the By-Laws be approved at the September Chapter meeting, and that the delegates be appointed in accordance with the By-Laws, informing the Director with a copy of the motion of approval and the names of the delegates appointed.

The By-Laws are extremely simple, and should not require much discussion in the Chapter Meeting - if the members of the chapter are thoroughly informed of the reasons for the formation of the Regional Council.

The first organizational meeting of the Great Lakes Regional Council will be held in Cincinnati, during the Seminar on October 3, at 11:00 A.M., providing the By-Laws have been approved by all Chapters in the Great Lakes District. The Board of Directors of the A.I.A. must approve the By-Laws. The document will be presented by the Regional Director at the Institute's Board Meeting during the fall session of the Board to be held in late October at Point Clear, Alabama.

The cooperation of the Institute membership in the Great Lakes District is kindly requested in the formation of this important Institute activity.

Sonoface Tile Now Features Six Colors

Sonofaced acoustical tile, introduced recently by Owens-Corning Fiberglas Corporation, now is available in six decorator colors, suitable for use in combination with any color scheme in residential, commercial, school, office and other type interiors.

In addition to the standard off-white texture offered originally, the product is being made in pink, green, blue, buff and chartreuse.

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50 Years of Architecture in Toledo

(Continued from page 15)

Bell Building—SW corner Madison and Erie	1936
Brand Whitlock Homes—392 Nebraska Avenue	1937
Toledo Public Library—325 Michigan	1939
Toledo Scale Company Factory—Telegraph Road	1939
Crosby Building—717 Madison	1940
American Propeller Corp. Factory—1455 West Alexis Road	1942
Residence—2245 Marengo Drive	1942

WORLD WAR II—MID-CENTURY

Morris Residence—Riverside Drive, Rossford	1949
Roskin Residence—3921 Brookside Avenue	1949
Rossford Library—River Road at Eagle Point Road, Rossford	1950
Medical Building—2500 Central Avenue	1950
Home for the Aged—Arlington near Detroit	1950
Holy Trinity Lutheran Church—Broadway at Glendale	1950
Toledo Trust Co. Branch Bank—SW corner Broadway and South	1950
Zenobia Temple—SW corner Madison and 15th Street	1950
Central Union Terminal	1950
Salvation Army Building—Erie at Orange	1951
Receiving Hospital, Toledo State Hospital—Detroit Avenue	1951

2. Toledo's Place in America's Architectural Development

What is the story that an understanding study of these building tells? Is it merely that in the first half of the century Toledo prospered wonderfully and built many buildings? Part of the story is the comparison of what Toledo did with what happened elsewhere in America. America, too, was prospering, was building much, and building well. And by comparison, Toledo fell short of what might have been. (To be continued in September)

Perrysburg School One of the Finest

(Continued from page 36)

The stone of the front main entrance is used on the interior of the main entrance wall. Flanking it are large beautifully draped windows. The rear wall of the lobby

is of the same brick as the exterior with a large fireplace.

The right wall is cinder block and is painted a contrasting color to the left wall, which also has a very large bar type window with low built seat running its length.

A stairway leads from the lobby to the basement cafeteria, visual education, shower and locker rooms. Other lockers for all pupils are recessed in the walls of the corridors.



Through use of Fiberglas acoustical tile on the ceiling and with cinder block walls and asphalt tile floor, this visual education room is as quiet as a forest.

All ceilings are treated with Fiberglas acoustical tile and through its high sound absorption usual school noises are cut to a minimum. The auditorium-playroom ceiling is done in new plastic coated Fiberglas acoustical tile on a clipspline suspension system. The floor is Kreo-lite end grain wood block.

A mezzanine floor space over the first floor offices is taken up with men and women teachers' rest rooms, an

(Continued on page 46)

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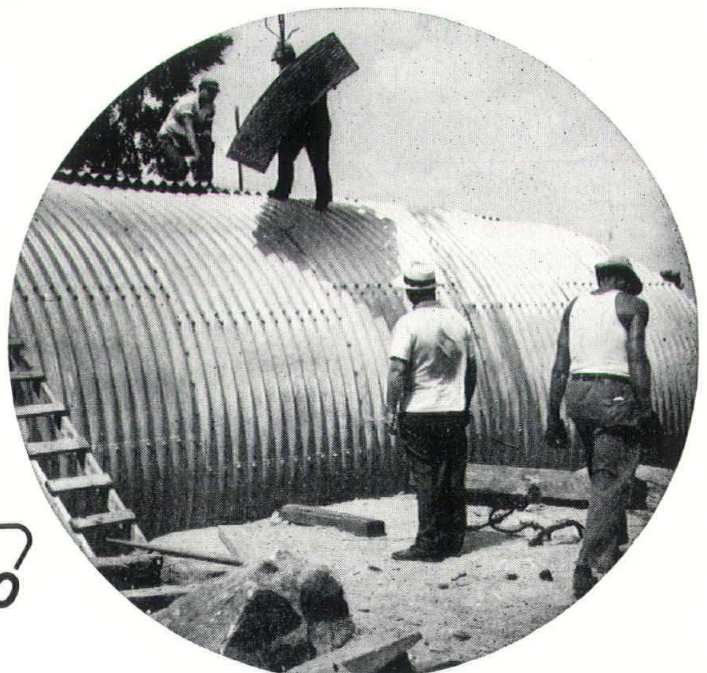
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Joel E. McCarty Passes On

Architect Joel E. McCarty, age 95, a retired Architect, 1545 Menlo Place, Columbus, Ohio, died Tuesday, July 22, 1952, from injuries received when he was hit by an automobile on July 9th.

Mr. McCarty came to Columbus from Iowa in 1883, entering the office of J. W. Yost, afterwards Yost and Packard. He had always been active in local professional affairs, being a member of the Board of Trustees that formed the Columbus Chapter in 1913. He was a hard worker in his earlier years but became quite a traveler when time permitted, making several trips across the continent and going entirely around the globe on one of his jaunts.

The firm of Richards, McCarty and Bulford was formed in 1899. Mr. Richards died in 1921 and Mr. Bulford in 1942. The firm continued to carry on in rising to the top in accomplishments and professional prestige until 1942.

As the highly respected and beloved dean of the profession, he carried on his own interests right to the end and our December meetings—often celebrating his birthday (December 9th) will not be quite the same.



JOEL E. McCARTY

His passing is the closing chapter in the record of a fine professional team, the like of which is hard to find today. The members of the Columbus Chapter feel a very definite personal loss and accept his passing with humble thankfulness for having the good fortune to have known a man like Joel Edward McCarty as a fellow architect and friend.

Inscho to Study in W. Germany

C. Curtiss Inscho, Worthington, has been selected as one of the 10 American architects to study post-war construction in Germany. The selection was made by the American Institute of Architects at the request of the West German government.

A member of the Inscho, Brand and Inscho firm, 60 East Broad St., he will specialize in studying hospitals and institutions. The trip will be at the expense of the West German government and will take at least five weeks. Inscho was president of the Columbus Chapter, American Institute of Architects in 1945 and of the Architects Society of Ohio in 1949.



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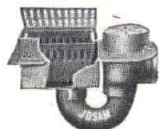
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Discussing the product with the Republic Structural Iron Works, Cleveland representatives for Plasteel products, it was stated that Plasteel is an important standard by which quality building material is measured today, not only in the local market but everywhere from coast to coast as well as in many foreign markets where Plasteel has proved its consistent performance under extreme climatic and atmospheric conditions.

Commenting upon the reasons for Plasteel's wide acceptance, it was stated "Mica protection makes the difference." Mica adds permanent protective quality and beauty. It needs no paint, and no repairs. It insulates—reflects solar rays and adds year 'round comfort to all buildings made of Plasteel. Mica prevents oxidation, evaporation and deterioration.

Of course Mica is not all. Plasteel prides itself on its built-in, inside strength. Plasteel is made of high-strength steel sheets that combine light weight with durability. After sandblasting all edges of the sheets with steel grit, a coating of metallic zinc is applied for complete edge protection. The sheets are then coated with a special rust inhibiting, asphaltic bond coat, followed by a uniformly thick asphaltic-plastic, weather-proof coating into which is impregnated pure mineral mica which adds permanence to the quality attractiveness of the appearance of Plasteel.

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Plasteel is available in a variety of sheets including 2 1/2" Corrugations, V-Beam and Mansard sheets, complete with appropriate flashings and fasteners, for both wood and metal installations.

The Cleveland representative, Republic Structural Iron Works, is prepared to offer the complete engineering service of the factory as well as the experience of its own local staff—without obligation.

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Cadillac Glass Gets Alsynite

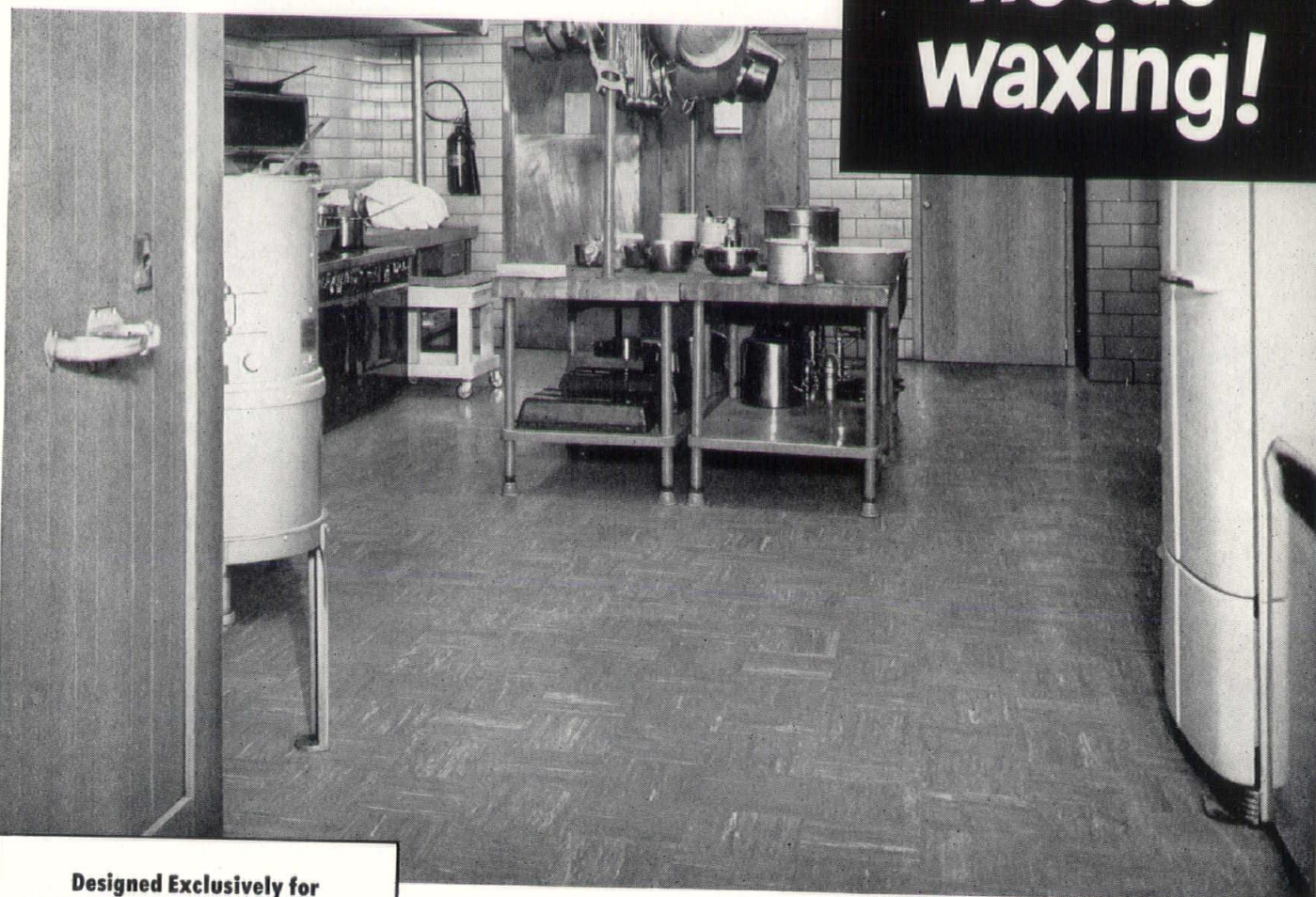
Cadillac Glass Co., 3115 Berea Rd., Cleveland has been named Alsynite jobber for this area by Alsynite Co. of America.

Alsynite, translucent plastic sheeting for patio roofs, wind shelters, skylights, awnings, shower stalls, cupboard doors and movable screens, is made in factories in Portsmouth, O., and San Diego, Calif.

The material comes in corrugated or flat sheets. It may be nailed, screwed, bolted, sawed and cemented. It is made of resins and glass fibers. It is shatterproof and fire-resistant and will not crack, craze, warp, buckle, sag, rot or mildew. It is unaffected by water, light, heat or cold.

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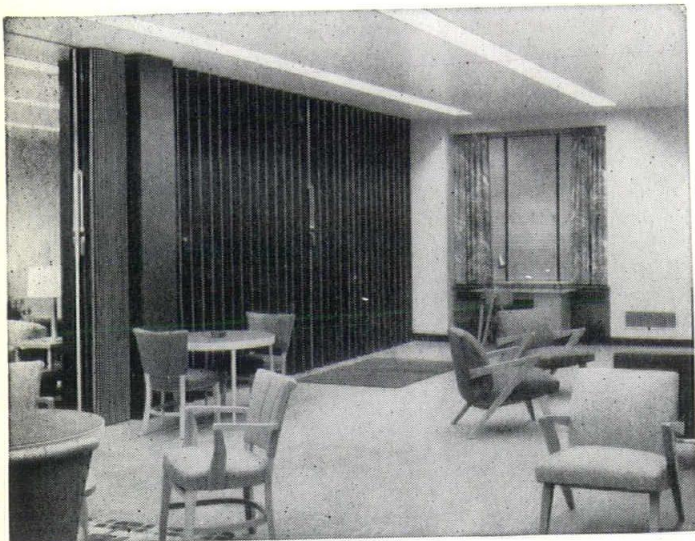
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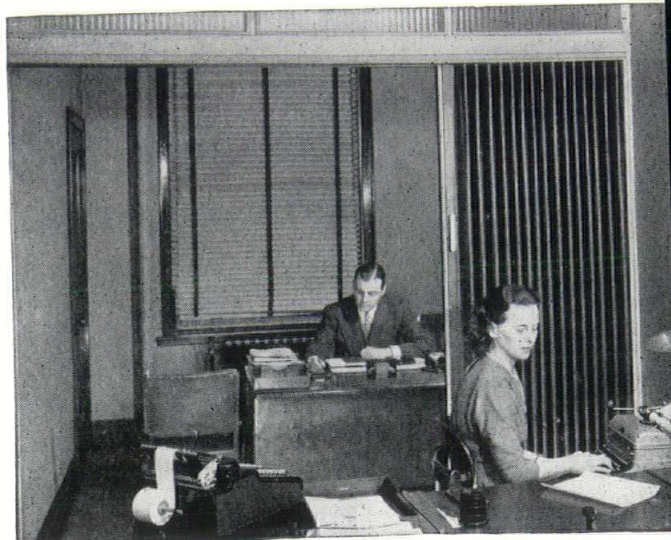
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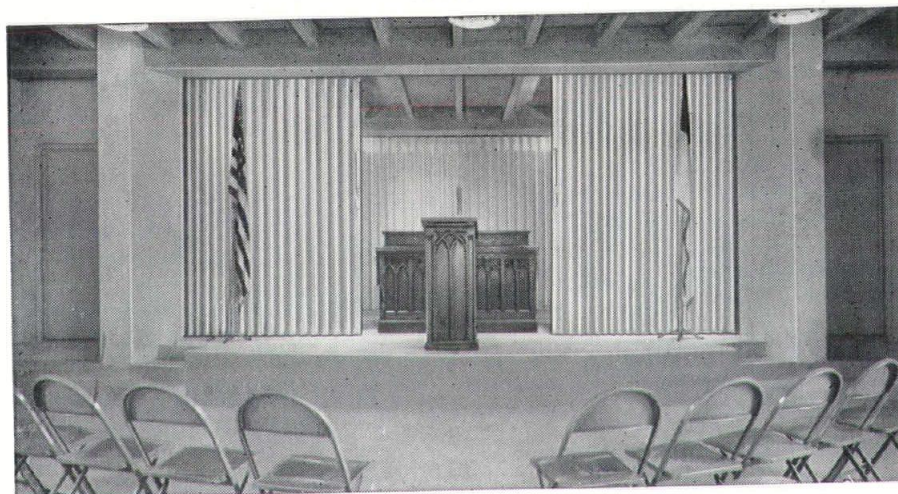


CLUB LOUNGE



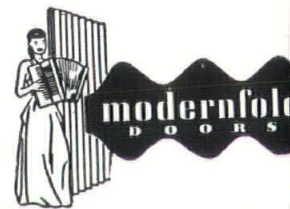
CHURCH

OFFICE

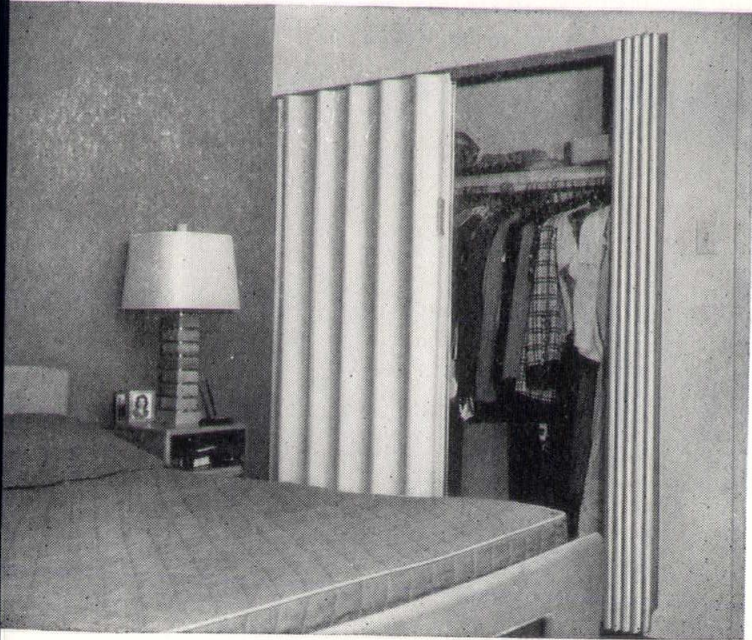


BALL ROOM

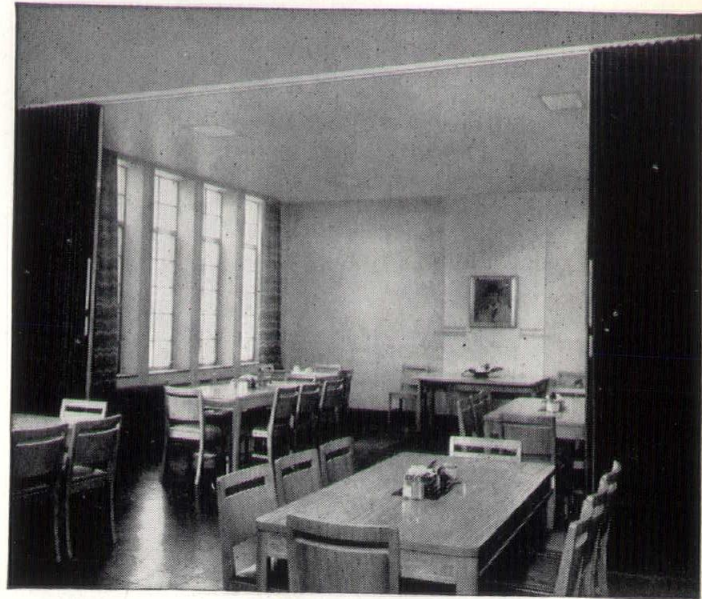
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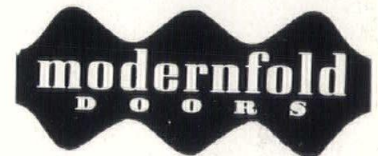


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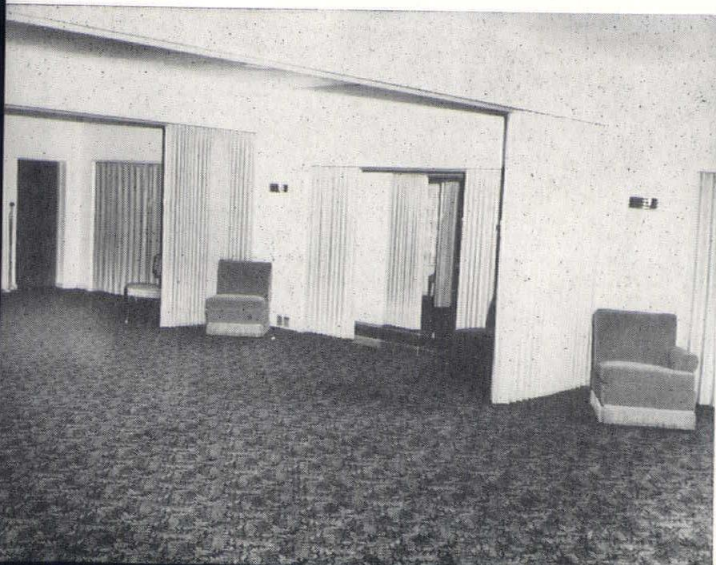
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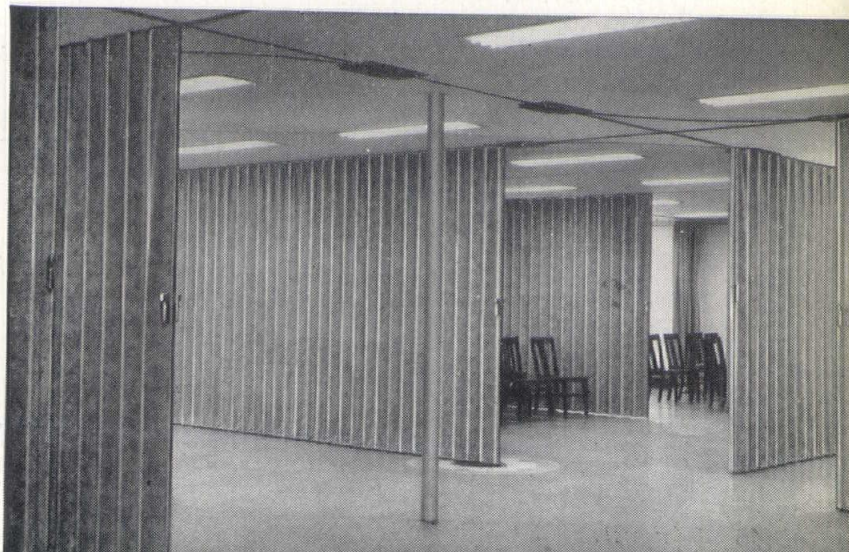
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ARCHITECTS EXEMPTED FROM WAGE PROVISIONS

Thanks to the interest and activity of U. S. Senator John W. Bricker, professional architects are now exempt from the wage stabilization provisions of the Defense Production Act.

The Defense Production Act of 1950 exempted "rates or fees charged for professional services." However, the Salary Stabilization Board interpreted this exemption as not extending beyond the immediate fee transaction, and it was accordingly held that professional architects in the employ of others came under wage and salary ceilings.

Much "pirating" followed this ruling. Defense industries, by giving architects new classifications, were able to hire them away from their employing firms at higher salaries. The employing firms could not meet such offers because of the wage and salary ceilings.

Senator Bricker called this situation to the attention of the Senate Banking and Currency Committee when 1951 amendments to the Defense Production Act were being considered. However, when assurances were received that the Salary Stabilization Board would meet the problem by changing its regulations, no amendment was added to the Defense Production Act in 1951 in behalf of architects.

By 1952, it was apparent that architects would not be exempted from wage stabilization unless Congress placed a specific exemption for them into the law. Senator Bricker then introduced an amendment exempting professional architects employed in a professional capacity by an architect or firm of architects. After a fight on the floor of the Senate and in the Conference Committee, Senator Bricker's views prevailed and the exemption was written into law.

In preparing his amendment to the Defense Production Act of 1952, Senator Bricker consulted with Mr. Edmund R. Purves of the American Institute of Architects. Since adoption of the amendment, Mr. Purves, in behalf of the Institute, has thanked Senator Bricker for his assistance.

The Bricker amendment applied as well to engineers and certified public accountants, giving to these professional men the same status under the law as that enjoyed by doctors and lawyers.

Perrysburg School One of Finest

(Continued from page 40)

office for pupils' guidance director and a conference room. An end wall in the conference room has a fireplace flanked with storage cabinets and open shelves to the ceiling.

In contrast with customary steam heating found in many large school buildings, all parts of Perrysburg school are heated by forced circulation hot water. The system is separated into several zones with individual room temperature control provided.

In the various classrooms, wall hung convectors extend the full length under the windows and standing convectors heat the alcoves. Tempered air for ventilation is provided by central fan systems in each wing located beneath the corridors.

For ventilation a mixture of outside and recirculated air is admitted to the tempering coils at a minimum of 50 degrees and distributed through a system of concealed ducts treated with Fiberglas duct insulation. Pipes are insulated by 4,000 lineal feet of Fiberglas molded pipe covering.

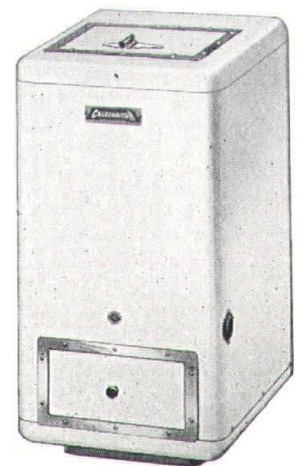
The kindergarten floor is warmed by pipe coils buried in the floor. Water in these coils is provided at a lower temperature than the hot water circulating generally throughout the building.

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Public Relations

(Continued from page 22)

necessary that every individual, chapter and state association must of their own initiative, put their shoulders to the wheel to make this program effective at once.

The Cleveland Chapter has recognized this problem and employed qualified talent to guide their efforts and thinking in this particular field of endeavor. They recognize that what is everybody's business is nobody's business, so they have made it the business of somebody. We will all be watching the results of the Cleveland Chapter's pioneering, wishing them success, of course.

As there are certainly many ideas, thoughts and opinions on this subject within the minds of the more than 1100 registered architects in Ohio, we are expecting to hear from a lot of them, pro or con, short or long for future issues of the "Ohio Architect." Remember the "Ohio Architect" is your magazine to read but much more so if you will send in material for others to read.

Ohio Manufacturers at New York Show

(Continued from page 38)

young men, not over 35. And we won't worry about the future of this country as long as we have young men such as these, ready to take over.

And from Texas (surely a long way from Ohio) we met Mr. Finger, president of Corrulux Company, Houston, Texas, manufacturers of Corrulux Shatterproof translucent panels, fast coming into popularity with the architect.

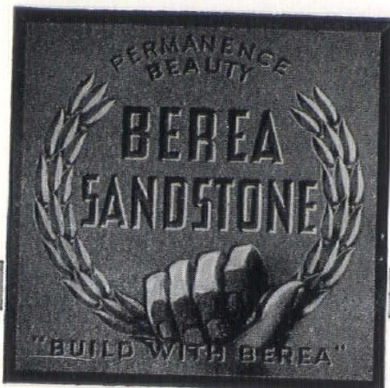
Knowing the Republic Iron Works Co. of Cleveland to be their northeastern Ohio distributor, our conversation naturally drifted to them and Roy Foster, the executive vice president of Republic. Mr. Finger knows why he is to be congratulated in having such a live distributor.

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Columbus Chapter News

(Continued from page 28)

Brick Company, was our host this year, as he was last, in helping us celebrate the ending of the steel strike. Many architects throughout the State will remember Mr. Conard very pleasantly.

There are plans afoot for another summer meeting next year, at which all the architects of the Columbus Chapter will join with those in Mansfield in welcoming any of our friends who can make the trip from other chapters.

Our friend Orval Matthews whose father was an Architect in Lima many years ago, advises that Mr. Lester Redding has been quite ill for some time with no signs of improvement.

Maybe next year we might see what Louis Bromfield has on display and also take a look at Pleasant Hill Reservoir.

—By Pres. Fred Hobbs.

Aladdin's Lamp

(Continued from page 25)

tions. They are really ingenious and the bright silk panels which make the shades beautiful little areas of color.

Ledlin Lighting has a handsome fixture in brushed aluminum finish totally indirect in its lighting and also designed by Harry Gitlin.

The new group of ceiling fixtures of Ledlin Lighting, Inc. features compact design, diffused illumination, and low cost.

We are very proud of the selection coming in from Lightolier—Sarfati has designed a group in the price bracket that young, modern home-makers can afford, several are combined table and lamp editions.

David Wurster has several smart and "well-illuminated" floor lamps we are showing from Morgenthau.

(Continued on page 48)

A sleek three-way floor lamp of Prescolite, has a dual tension swivel and light diffused shade. Excellent for reading.

California again took Good Design awards with Ralph Smith's group.

All of this adds up to the importance that lighting should have in the planning of all Interior Designs today—I, for one, have always stressed this—rarely work on color, until the lighting has been planned. It has as much to do with the Look and the comfort of a room, office or building, as the materials used. Last week we had the honor of being selected by Mr. Commery of Nela Park, for several settings in their new Quarterly Issue on Lighting. Special request came for a Schreckengost piece of sculpture—and of course, Vik came thru, even helped me riddle Byers Hays "woods" for just the right "atmospheric branch" to plant in a 30" urn Vik had just pulled out of the kiln. Should you wander in (we hope) you might well say, "a Tree Grows in Hanson's." Bye now, Janie

Note: We would be most happy to receive any suggestions you readers would like discussed, so please feel free to voice your comments or requests.

Make Your Plans Now

(Continued from page 25)

taken from their work, is repaid many times over in the new inspiration, new ideas and new vigor they receive from the Convention activities, to say nothing of the enjoyable social contacts which are one of the Conventions most important facets.

If you are one of those Architects who say "Oh, its a waste of time and energy"—its ten to one you haven't attended an A.S.O. Convention in the past several years.

At previous conventions we have been impressed by the number of Architects who, attending for the first

time in several years say "Gee, I really have overlooked a bet in staying at home. I feel exceptionally well repaid for the time I spent here and you can count on me to attend all of the coming conventions. I wouldn't miss another one after what I've learned here."

So start making your plans now to be in Cincinnati Oct. 1st, 2nd and 3rd. And BRING THE WIFE along. There will be a program for her that will keep her busy and interested all the time and she'll really appreciate, after attending this 19th Annual Convention, what a great profession her husband belongs to. And she'll appreciate more some of the problems and contentions you have to contend within your daily work.

So tell the boys you'll "be out of town" on Oct. 1 to 3 and that you'll be back with the latest in everything the profession and its co-workers are developing in the building field.

Cleveland Architect Warns of Slums

(Continued from page 28)

Following his graduation trip abroad and graduate work, Mr. Ceruti, who is a bachelor, began his architectural career working on many types of public and Ohio in 1942 and became a registered architect at that time. He passed the state examination in time. One of his early projects as an architect was to serve the Warner & Swasey Co. as supervisor of design and construction of the manufacturing, office and cafeteria areas of the company.

He opened his own office at 7113 Euclid Ave. in 1947 and has been located there since. On the walls of his office are colorful drawings of buildings he has designed.

Among the more notable Ceruti creations are: Shaker Towers apartments, Warner & Swasey Co. plant at New Philadelphia, rehabilitated West Side Market and an office and laboratory building for Harshaw Chemical Co.

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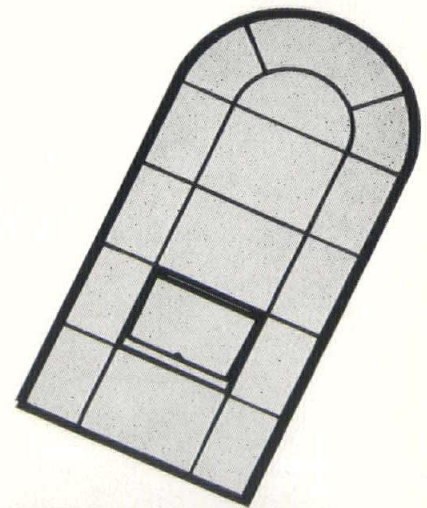
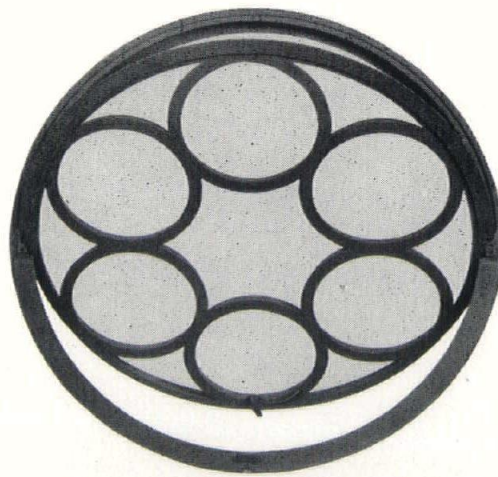
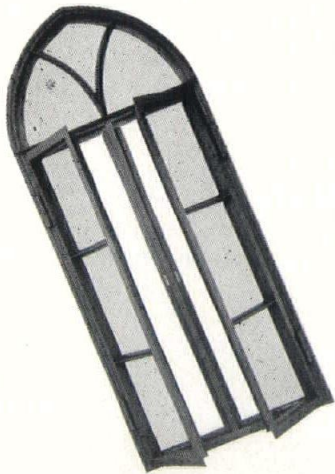
ARCHITECTS REGISTERED IN OHIO

(Continued from page 30)

- 1297 Bostwick, Donald L., 34 S. Main St., Niles
 805 Bosworth, Raymond E., Box 203 Stout Rd., R. R. No. 2, Cincinnati 31, Mt. Heathy
 104 Boucherle, Paul, 222 W. Rayen Ave., Youngstown (3)
 1029 Bowers, Howard L., 1117 5th Ave., Huntington, W. V. (Frampton & Bowers)
 1495 Bowers, Raymond A., 180 Nassau St., Princeton, N. J.
 758 Boyce, Clifford O., 333 N. Michigan Ave., Chicago (1) Ill.
 1753 Boyer, George H., 536 N. Piedmont St., Arlington, Va.
 1323 Boyer, India, 509 2nd Natl. Bank Bldg., Cincinnati (2)
 1037 Bradford, Wilson E., Old Fed. Bldg. (FHA) Columbus (15)
 1090 Bradley, Herold, 200 Chestnut St., Sewickley, Pa.
 971 Bradley, LeRoy, 1115 S. Clinton St., Ft. Wayne 2, Ind.
 1624 Bradshaw, Preston J., 1800 Olive St., St. Louis 3, Mo.
 1977 Brandt, Kent H., 316 West Lane Ave., Columbus
 1669 Brandt, Robert Bruce, 37 Rob Roy Ave., Ft. Thomas, Ky.
 103 Braverman, Sigmund (Braverman & Halperin) Euclid 71st Bldg., Cleveland 3
 973 Breidenbach, William F., 2143 Fairfax Rd., Columbus 12
 489 Bremmer, Harry F. (Brooklyn Sta.) 9411 Hillside Rd., Cleveland 9
 1711 Breting, Kenneth J. (Harry C. Frank) 201 Canton Bldg., Canton (2)
 956 Britsch, Carl C. (Britsch and Munger) 531 Nicholas Bldg., Toledo 4
 1861 Broderick, Hermon S., 12 W. Monument Ave., Dayton (2) (Walker-Norwick)
 1608 Broggni, Edwin F., 4517 Brookpark Rd., Cleveland (29) (Assoc-Latimer)
 668 Broida, Leonard L., 3212 Redwood Rd., Cleveland (18)
 724 Brooke, Finley C., Twin Palms, Picciola Drive, Leesburg, Fla.
 487 Brooker, Harry A., 706 Crosby St., Akron 3
 571 Brooks, Hugh M., 965 E. Broad St., Columbus (15) (Tibbals, Crumley, Musson)
 965 Brooks, Theodore W. (Brooks and Coddington) 329 E. Broad St., Columbus (15)
 1765 Brown, Cameron R., Alexis Rd., R. D. No. 10, Toledo 13
 1791 Brown, Chester A., 248 Boyleston St., Boston 16, Mass.
 363 Brown, Clifford C., 1069 Reibold Bldg., Dayton 2
 1333 Brown, George D., 155 Summers St., Charleston 29, W. Va.
 601 Brown, Homer D. (Board of Education) 70 N. Broadway, Akron 8
 791 Brown, John J., 4207 Eileen Drive, Cincinnati 9
 2023 Brown, William J., 3627 Middleton Ave., Cincinnati (20)
 1900 Brubaker, Leland F., 965 E. Broad St., Columbus (15) (Tibbals, Crumley, Musson)
 712 Brumenshenkel, Harry J., 13 Park Ave., West. Mansfield
 850 Bruyere, Louis U. (Britsch & Munger) 513 Nicholas Bldg., Toledo (4)
 1742 Buchanan, Glen W. (Schenck & Williams) 1406 Third Nat'l Bldg., Dayton (2)
 966 Buckhout, Donald H. (Bellman-Gillett-Richards) 518 Jefferson Ave., Toledo (4)
 1924 Bueher, Huber H., R. R. 2, Wauseon, Ohio
 1663 Buker, Paul S., P. O. Box 44, Monroe
 1827 Burdick, John Al, 3040 Hackberry Ave., Cincinnati 6
 1853 Burdge, Edward W., 1642 Brandon Ave., Cincinnati (30)
 1865 Burquist, John R., 2233 Duck Creek Bldg., Cincinnati (7)
 1739 Burr, Donald F., 9514 Maple Ave., Tacoma (9) Washington
 1991 Burris, James H., 24 North Eureka Ave., Columbus (8)
 1579 Burrows, Edward M., 1024 Dixie Terminal Bldg., (Hannaford) Cincinnati 2
 990 Burrows, George H., 16104 Kinsman Rd., Shaker Hts (Burrows, Hinman-Gabriel)
 1856 Burrows, Richard C., R. D. No. 3, Chagrin Falls, Ohio
 1417 Burt, Paul Gordon, 520 N. Michigan Ave., Chicago 11, Ill.
 1926 Buzzard, Roger F., 544 Parker Ave., Barberton, Ohio
 1526 Byrnes, William H., 1659 Sutton Rd., Cincinnati (30)

-C-

- 1034 Cahill, Paul T., 5436 Callaway Rd., Ft. Worth, Texas
 1922 Cain, Howard B., County Line Rd., Gates Mills, Ohio
 381 Caldwell, Walter G., 841 Engrs. Bldg., Cleveland (14)
 843 Callow, W. Wayne, 720 Islington St., Toledo 10
 155 Cameron, James L., 10326 Ashbury Ave., Cleveland 6
 1197 Campbell, C. Harry, 1007 Midway St., Middletown 19
 1767 Campbell, Eugene Allen, 1743 E. 25th St., Cleveland (23)



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 1836 Canute, Gordon Wesley (Tuchman-Canute) 47 South Portage Path, Akron
 1229 Carlton, William W., Army and Navy Club, Washington (6) D. C.
 1678 Carmichael, D. A., Jr., 5 E. Long St., Columbus
 525 Carnahan, Ralph W., 536 Hulman Bldg., Dayton (2)
 1634 Carnegie, Edward J. L., 590 South Main St., Geneva, N. Y.
 701 Carr, John J. (Carr & Cunningham) 1421 Schofield Bldg., Cleveland 15
 725 Carter, Marion A., Brown Hall, Ohio State University, Columbus (10)
 2050 Cassell, Robert Earl, 831 South Roys Ave., Columbus (4)
 573 Cassidy, Harold S. (Firestone & Cassidy) 175 W. Bowery St., Akron 8
 303 Cellarius, Charles F., 906 St. Paul Bldg., Cincinnati 2
 1383 Celli, Mario C., 336 Fifth Ave., McKeesport, Pa. (Celli-Flynn)
 1380 Ceruti, Joseph, 7113 Euclid Ave., Cleveland 3
 513 Chamberlin, Oliver N., 1368 Kenilworth Ave., Lakewood (7) Ohio
 1639 Chaney, Fay A. (Grunkemeyer & Sullivan) 3717 Eastern Ave., Cincinnati (26)
 2045 Charlton, Jack, 399 Madison Ave., Akron (20)
 1595 Checkley, David M., River Rd., Gates Mills
 1883 Childs, Frank A. (Childs and Smith) 20 N. Wacker Drive, Chicago (6) Ill.
 2047 Christian, Robert H., 10180 Rustic Lane, Cincinnati (15)
 1502 Christensen, Hans C., 600 S. Michigan Ave., Chicago 5, Ill.
 1152 Churchill, Chester L., 9 Newbury St., Boston (16) Mass.
 1650 Cicco, Joseph A. (Wollaston) 301 Newport Ave., Quincy 70, Mass.
 1294 Cigahn, Arnold W. (Futton-Krinsky-DelaMotte) 6014 Euclid 581 Ciresi, Anthony S., 7113 Euclid Ave., Cleveland (3)
 1787 Clapp, Marvin H., 165 West 46th St., New York (19) N. Y.
 2001 Clark, George Mason, 2103 Ridgeview Rd., Columbus (12)
 2069 Clark, John Rodger, 320 Lakeside Ave., Lorain, Ohio
 819 Clarke, Frederick H., 1002 Natl. Exchange Bank Bldg., Steubenville
 1396 Clarke, Habbly W., 495 Frontenac Ave., St. Paul (4) Minn.
 1941 Clarkson, Harvey P., 1246 Herschel Ave., Cincinnati (8)
 1248 Cleland, Earl F. (Pettit, Oman, Meinhardt and Cleland) 2901 N. High St., Columbus 2
 1006 Clement, Ralph B., 18 Spirea Drive, Dayton 9
 390 Cloud, Charles W., 630 E. Broad St., Columbus 15
 1914 Clouse, Raymond E., Gaston Place, East Liverpool, Ohio
 1677 Clymer, John, 15 Prentiss St., Cambridge (40) Mass.
 510 Coakley, Burns M., 2469 E. Main St., Bexley, Columbus 9
 1390 Coddington, Gilbert H. (Brooks & Coddington) 329 E. Broad St., Columbus 15
 628 Collins, James J., 1010 Euclid Ave., Cleveland (15)
 753 Colman, Charles C., 1836 Euclid Ave., Cleveland (15)
 465 Conklin, C. Gordon (Gerow & Conklin) 648 Spitzer Bldg., Toledo 4
 196 Conklin, Charles W., 305 Farmers Bank Bldg., Mansfield, O.
 402 Connelly, George R., 158 Edgerton Rd., Akron 3
 329 Conrad, Edward G., 1110 Hanna Bldg., Cleveland (15) (Conrad-Simpson)
 438 Conrad, William H., 226 Hanna Bldg., Cleveland (15) (Ward and Conrad)
 676 Coombe, George B., 614 Swetland Bldg., Cleveland (15)
 143 Copper, Munroe W., Jr., (Copper-Wade) 10528 Wilbur Ave., Cleveland (6)
 851 Cordes, Walter W. (Cordes, Pressler) 4935 Paddock Rd., Cincinnati 37
 955 Cordes, William Albert, 4935 Paddock Rd. (Cordes & Pressler) Cincinnati (37)
 955 Cordes, William Albert, 5224 Cleves-Warsaw Pike, Cincinnati (5) Ohio
 1501 Cory, Walter M., 36 West 40th St., N. Y. (18), N. Y.
 1731 Costello, Jerome P. (Hannaford) 1024 Dixie Terminal Bldg., Cincinnati (2)
 1616 Cotter, Laurens P., 936 Temple Bar Bldg., Cincinnati 2
 1937 Coughlin, John B., 5044 Millwood Lane, N. W., Washington (16) D. C.
 1999 Courtney, George W., 440 Morton Center, Richmond, Ind.
 1831 Cowden, Craighead, 58 Spirea Drive, Dayton (9)
 1388 Cowell, Ensign J. H., 25 W. 43rd St., New York 18, N. Y.
 1130 Coy, Horace M., 1716 Heatherdowns Blvd., Toledo (14)
 1113 Cramer, George T., 1706 Wright St., Pomona, Calif.
 498 Cramer, Paul W., 3335 Military Ave., Los Angeles 34, Calif.
 1809 Crawfis, D. James, 138 Ray Ave., New Philadelphia (Chas. J. Marr)
 1352 Creager, H. Keith, 418 Grand Ave., Akron 2
 2040 Crider, Edward S., 29420 Lorain Rd., North Olmsted

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These graphic illustrations show the component parts that make up the total resistance (R) from which the overall heat transmission values in Table A are determined. ($U=1/R$)

Figure 2 PLATE GLASS Figure 3 DOUBLE THERMOPANE Figure 4 TRIPLE THERMOPANE

*Air resistance values given include film resistances of the interior boundary surfaces.

For air space conductances see A.S.H.V.E. Guide 25, 116 (1947) or Rowley & Algren Bulletin No. 12, Eng. Exp. Station, University of Minnesota.

For calculations at conditions other than given for Table A the following formulae can be used:

$$f = \frac{v}{140}$$

in which
 f = the cold side film conductance in B.T.U. per square foot, hour, degree F.
 v = wind velocity in miles per hour.

$$h = .81 (\Delta t)^{.16}$$

in which
 h = the warm side film conductance in B.T.U. per square foot, degree F., hour
 Δt = the difference in temperature between the room air and the surface of the glass.

The conductance of glass is 4.0 B.T.U. per square foot, hour, degree F., per inch of thickness.

L·O·F *Thermopane* INSULATING GLASS PAGE 5

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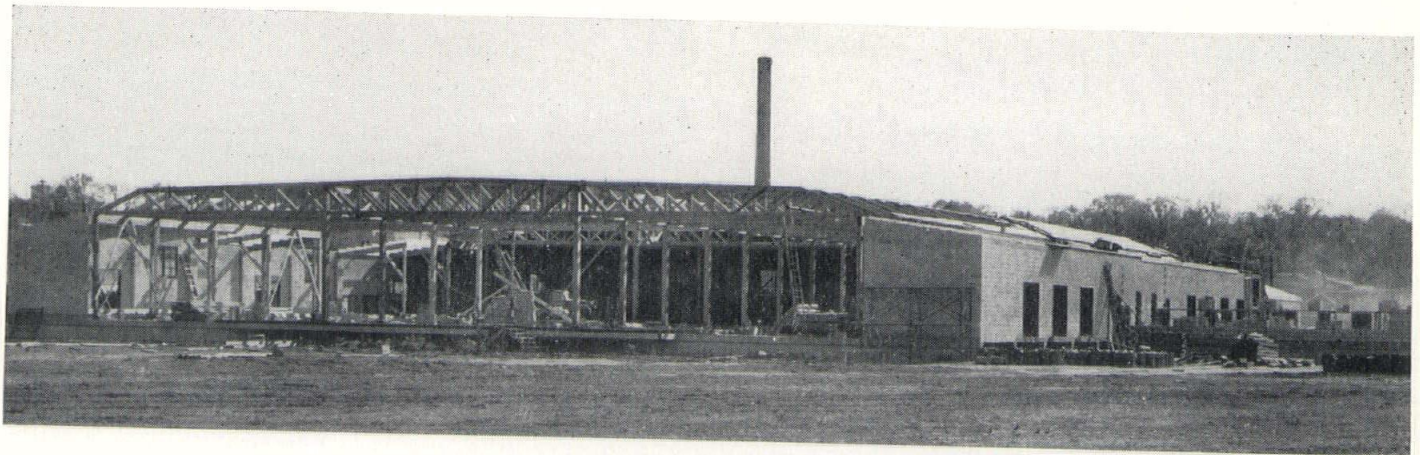


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 944 Croce, Chester (Ramsey & Croce) 6 West Frambes Ave., Columbus 1
- 1979 Cromer, Robert A., 3320 Arrow Ave., Cincinnati (13)
 895 Crook, Ralph E., 124 1/2 W. Main St., Lancaster, Ohio
 812 Crowe, Michael A., 1873 Franklin Park, Bexley, Columbus
 563 Crumley, George D. (Tibbals, Crumley & Musson) 965 E. Broad St., Columbus 5
- 1081 Cumming, Ralph W. (Bonfield & Cumming) 1900 Euclid Ave., Cleveland 15
 1820 Cuneo, Laurence J., 31 Myrtle St., Malden, Mass.
 1143 Cunningham, George B., Pine Knoll Terrace St., St. Clairsville, Ohio
- 305 Cunningham, W. Phelps (Carr & Cunningham) 1421 Schofield Bldg., Cleveland 15
 535 Cunnius, P. A., 1441 Broadway, 14th Fl., New York 18, N. Y.
 606 Cutting, Richard H., 2074 E. 36th St., Cleveland 15
- D-
- 1984 Daily, William H., 306 1/2 S. Third St., Miamisburg, Ohio
 236 Dalton, Byron, 979 The Arcade, Cleveland (14)
 1582 Dalton, George F., III, 979 The Arcade, Cleveland (14)
 2005 Dalton, James A., 20900 Almar Drive, Shaker Hts., Ohio
 949 Damon, Austin G. (Damon-Worley) 926 B. of L. E. Bldg., Cleveland 14
- 1285 Damon, H. Walter (Damon-Worley) 215 Lincoln Ave., Youngstown 2
- 920 Dauben, Hyp. J., 1656 Barrington Rd., Columbus (12)
 1631 Daverman, Joseph T., 924 Grandville Ave., S. W., Grand Rapids (9) Mich.
- 1415 Davis, J. Phillips, 1307 Keenan Bldg., Pittsburgh (22) Pa.
 1953 Davis, Rosella Horine, New Madison, Ohio
 867 Davis, Wm. J., Sec. Sav. Bank Bldg., Athens, Ohio
- 1732 Dawson, Robert F., 488 Madison Ave., New York (22) N. Y. (U. S. Gypsum Co.)
- 1963 Deakin, Charles D., 164 Matheson Rd., Columbus, Georgia (U. S. Army)
- 1438 DeAngelis, Michael J., 221-225 Cutler Bldg., Rochester (4) New York
- 879 DeCurtins, Frederic A., 317 St. Paul Ave., Dayton (10)
 345 Deeken, John Henri, 232 South Broadway, Lebanon
 2041 Deem, Dwane Howard, 42 West Carpenter St., Athens, Ohio
- 1716 Defendorf, Charles E. (Jamestown Rd.) LaSalle St. Station, NYC, Chicago (5) Ill.
- 1893 Deimel, Arthur, P. O. Box 11, S. Charleston, Ohio
 1367 Dela Motte, Raymond B. (Fulton, Krinsky & Dela Motte) 6014 Euclid Ave., Cleveland 3
 647 Delmissier, John 1809 E. 89th St., Cleveland 6
 1688 deMoll, Carl, 121 N. Broad St., Philadelphia 7, Pa.
 263 Denison, A. C., Forest Place, Glendale
 1980 Deneau, Paul H., 1030 Berkshire Rd., Dayton (U. S. Navy)
 1161 Denham, Richard A., 921 Rice Ave., Lima
 1348 Denton, William N., Jr., 1719 Eye St., N.W., Wash. 6, D. C.
 1350 Denwicz, Peter P., 8421 Rosewood Ave., Cleveland 5
 1929 Derr, Kenneth L., 328 Broad St., Wadsworth, Ohio
 1725 Des Granges, Donald, 161 Devonshire St., Boston 10, Mass.
 1708 Deshon, Robert A., University of Cincinnati (21)
 972 Deucher, Joseph J., 3554 Hildana Rd., Cleveland 20
 831 Defendorf, John C. (Lakewood) 1355 Belle Ave., Cleveland 7
- 421 Devney, Raymond D., 16355 Glynn Rd., Cleveland 12
 2034 DeVolt, Robert E., 1224 Northridge Rd., Columbus (11)
 883 Dewey, Charles O., 1076 Greyton Rd., Cleveland (12)
 1240 Dey, George H., 803 United Office Bldg., (2012 W. 25th St., Cleveland (13))
- 969 Dickerson, Frank J., 1902 Seventh Ave., Beaver Falls, Pa.
 471 Dickerson, Robert W., 2063 East 4th St., Cleveland 15
 1654 Dickson, C. Garey, 22 N. Main St., Washington, Pa.
 1403 Diebel, Frederic D., 128 E. Sixth St., Cincinnati 12 (Rada-baugh-Diebel)
- 657 Disque, Chester H., 1212 Highway, Covington, Ky.
 1709 Dix, Ralph G., Jr., 3307 Martindale Rd., N. E., Canton 4
 1738 Dohme, Arthur J. (Pansiera & Dohme) 6069 Montgomery Rd., Cincinnati (13)
- 383 Dollrichs, Joseph A., 4340 Foley Rd., Cincinnati 38
 1460 Dombor, Benjamin H., 2436 Reading Rd., Cincinnati 2
 307 Donaldson, Charles M. (DeVoss & Donaldson) 45 Natl. Bank Bldg., Portsmouth
- 1775 Donaldson, James S. (DeVoss & Donaldson) 45 Natl. Bank Bldg., Portsmouth, Ohio
- 1792 Doran, John T., 248 Boyleston St., Boston 16, Mass.
 1985 Donnelly, James H., 3724 Westgate Ave., Cincinnati (8)
 1235 D'Orazio, P. Arthur, 715 Union Nat'l. Bank Bldg., Youngstown (3)
- 1486 Douden, Herbert C., 552 Century Bldg., Pittsburgh 22, Pa.
 1423 Dow, Alden B., 315 Post St., Midland, Mich.

ROOF TRUSSES by CARTWRIGHT & MORRISON, INC.

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Construction view of warehouse recently completed by Brockport Cold Storage Co., at Mt. Morris, N. Y.

• Main Building is 168 ft. by 211 ft. with plant wing 45 ft. x 45 ft. and office space 33 ft. x 45 ft. Enclosure consists of corridors 16 ft. wide down each side, separately framed and separated from the storage proper by a 6-inch wall of cork. Roof structure of storage space is in three 44 ft. bays, with columns 16 ft. apart. Trusses are spaced 8 ft. o. c. with two-inch d & m decking spanning from truss to truss. Cork insulation was laid on top of decking. Use of timber roof trusses eliminated sway bracing between trusses and freed additional space for storage. Length of the building was reduced 16 ft. for equivalent number of pallets stored, as compared to steel construction.

Plans and specifications for the structure were prepared, and construction supervised, by H. E. Plumer and Associates of

Buffalo, New York.

Entire roof structure including columns and decking was furnished and installed by Cartwright and Morrison, Inc., of Holcomb, New York, for the sum of \$51,750.00, or \$1.32 per sq. ft. of floor area.

Contract for roof structure and deck was awarded April 1, 1952, and work was completed in place on May 26, 1952, eight weeks elapsed time.

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 Cleveland 15 (Rm. 709)
 469 Drescher, Alfred A., 3334 Prospect Ave., Cleveland 15
 1407 Droppers, Carl H., School of Arch., Western Reserve Uni-
 versity, Cleveland (6)
 1282 Drossel, Richard M., 1862 Mannering Rd., Cleveland 12
 1829 Dueker, George R., 433 Tennessee Lane, Palo Alto, Calif.
 1672 Dulebohn, Richard E., 1072 Norwood St., Kent
 1315 Duning, Hilbert C., 2901 Sander St., Cincinnati 19
 1412 Dupre, Arthur J., 1373 Grandview Ave., Columbus (12)
 1293 Durand, William B., 158 West Lorain St., Oberlin, Ohio
 933 Durnbaugh, William H., 384 Margaret Drive, Osborn, O.
 1409 Dykes, Eugene W. (Lawrence and Dykes) 317 Grandview
 Ave., N. W., Canton (8)

—E—

- 431 Eastman, Robert F., 1014 Woodlawn Ave., Springfield, O.
 1360 Eesley, Will, 269 Second St., Marietta, O. (Scott & Eesley)
 1110 Ebersson, John, 2 West 47th St., New York 19, N. Y.
 960 Eckles, Robert A., L. S. & T. Bldg., New Castle, Pa.
 247 Eddy, Merle J., 205 Park Place, Ashtabula
 2076 Edmunds, James Richard, Jr., 130 W. Hamilton St., Balti-
 more (1) Md.
 1887 Edwards, Byron H., 17-19 S. Fifth St., Camden (3) N. J.
 (Edwards & Green)
 1774 Edwards, Robert G., 343 Second St., Elyria
 632 Egensberger, Herbert F., 2008 Keith Bldg., Cleveland (15)
 557 Eggert, Efflo E., 383 Fallis Rd., Columbus 2
 1907 Egli, Charles T., III, 21 Chickatabot Rd., Quincy, Mass.
 1225 Eiber, Rollin R., 511 - 17th St., Wilmette, Ill.
 336 Eiselt, Henry E., 297 S. High St., Columbus 15
 1308 Ellerbe, Thomas F., E. 505 First Natl. Bank Bldg., St. Paul
 1, Minn.
 1442 Elliston, Howard L., 701 Enquirer Bldg., Cincinnati 2
 888 Elliston, H. Richard, 18 East Fourth St., Cincinnati (2)
 2054 Emerick, Gerald L., 175 Tibet Rd., Columbus (2)
 1959 Englehoorn, David W., 5272 West 50th St., Parma
 829 Erard, George H. (Gillett & Richards) 518 Jefferson Ave.,
 Toledo 4
 1462 Erikson, Carl A., 104 S. Michigan Ave., Chicago 3, Ill.
 1842 Esgar, Robert Rea, 333 North Michigan Ave., Chicago 1, Ill.
 1472 Eugenides, Alexander K., 1320 West 74th St., Chicago 36, Ill.

- 1606 Evans, John H. V., 756 Woodlawn, Jackson, Mich.
 1345 Evans, Randolph, 50 Broadway St., New York 4, N. Y.
 332 Everhard, Junior W., 306 Hippodrome Bldg., Cleveland 14

—F—

- 1547 Fairbrother, Frederic A., 345 New Center Bldg., Detroit 2,
 Mich.
 1949 Fargotstein, Fred M., 5871 Forbes St., Pittsburgh (17) Pa.
 906 Faris, Frederic, 1117 Chapline St., Wheeling, West Va.
 242 Farnam, Daniel H., 4688 Landchester Rd., S.W., Cleveland 9
 1405 Fasse, Carl H., 6808 Hampton Dr., Silverton, Cincinnati 36
 1513 Faulkner, Charles D., 307 N. Michigan Ave., Chicago 1, Ill.
 1375 Fauver, Alfred L., 947 Broadway, Lorain, Ohio
 1522 Fazulak, William J., 16704 Ernadales Ave., Cleveland 11
 317 Fecheimer, A. Lincoln, 1021 Provident Bank Bldg., Cin-
 cinnati 2
 821 Feinknopf, Mark D., 150 E. Broad St., Columbus 15
 733 Feldstein, Herman H., 337 Spitzer Bldg., Toledo (4)
 112 Felsberg, Nelson (Felsberg & Gillespie) 806 Ingalls Bldg.,
 Cincinnati (2)
 418 Ferber, Charles H., 4025 Allston St., Cincinnati (9)
 443 Ferguson, William S., 3134 Euclid Ave., Cleveland (15)
 677 Fernald, William M., 345 W. Delaware Ave., Toledo (10)
 1283 Fettis, Arthur E., 931 Five Oaks Ave., Dayton (6)
 798 Fewsmith, Livingston, 3005 Scarsborough Rd., Cleveland 18
 1001 Fichter, J. Adam, 706 Crosby St., Akron 3
 686 Field, Wooster Bard (Brown Hall) Ohio State University,
 (Rm. 310) Columbus 10
 1151 Fierbaugh, John F., 519 Hanna Bldg., Cleveland 15
 2000 Finck, Sidney C., 134 N. LaSalle St., Chicago (2) Ill.
 1455 Findlater, C. Ramsey (Cinc. Met. Housing) 595 Armory
 Ave., Cincinnati 14
 1223 Findlay, John S. (Hannaford) 1024 Dixie Terminal Bldg.,
 Cincinnati (2)
 671 Findt, William C., 522 Elsby Bldg., New Albany, Ind.
 1727 Fink, A. Hensel, 1701 Arch St., Philadelphia 3, Pa.
 1364 Fink, Hyman T., 15 East 8th St., Cincinnati (2)
 1870 Firestone, Charles E., II (Firestone & Motter) 1412 Cleve-
 land Ave., N. W., Canton (3)
 321 Firestone, Charles E. (Firestone & Motter) 1412 Cleveland
 Ave., N. W., Canton (3)
 1230 Firestone, Roy G. (Firestone & Cassidy) 175 W. Bowery St.,
 Akron 8

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

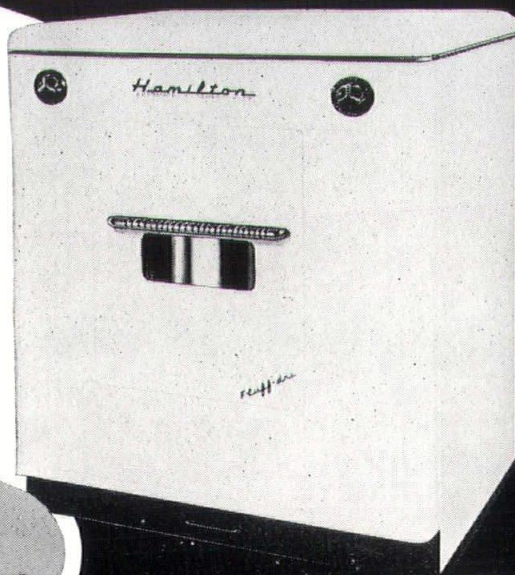
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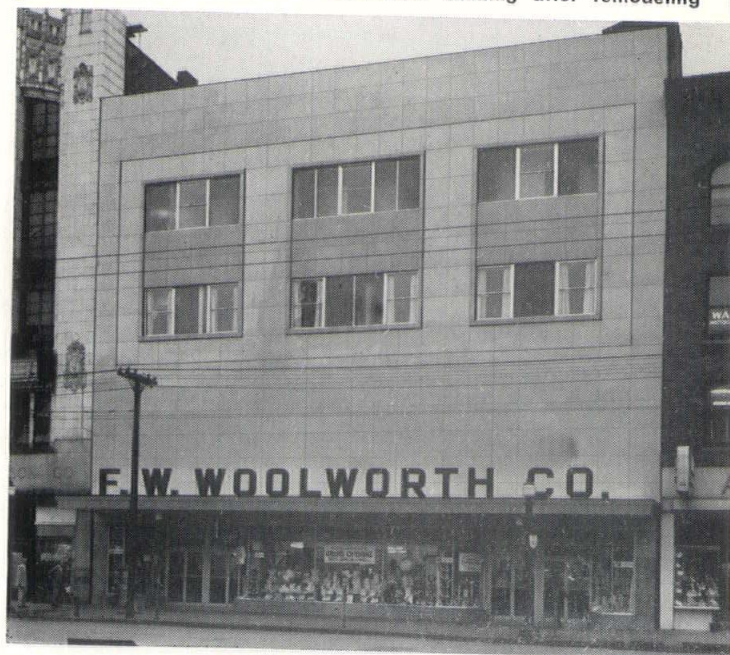
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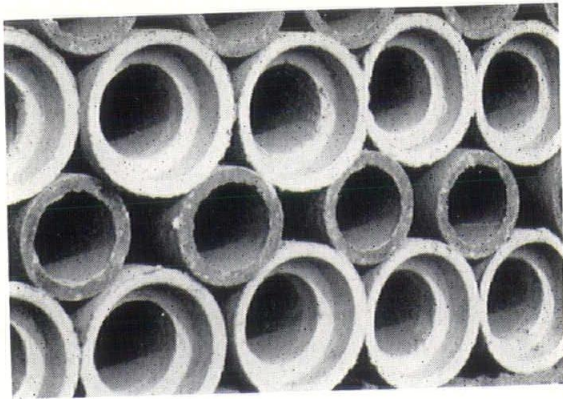
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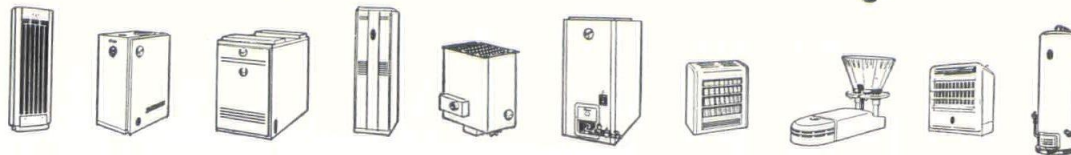
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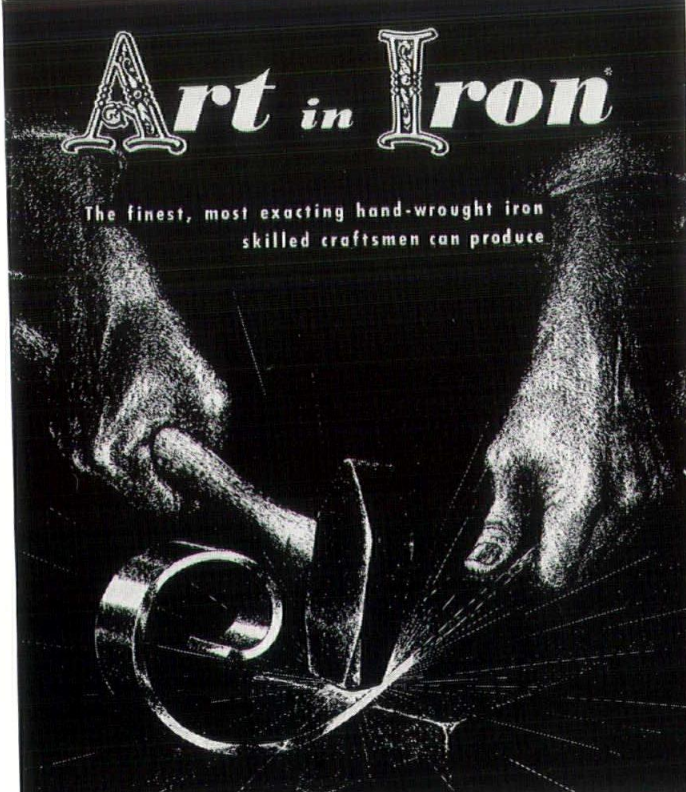
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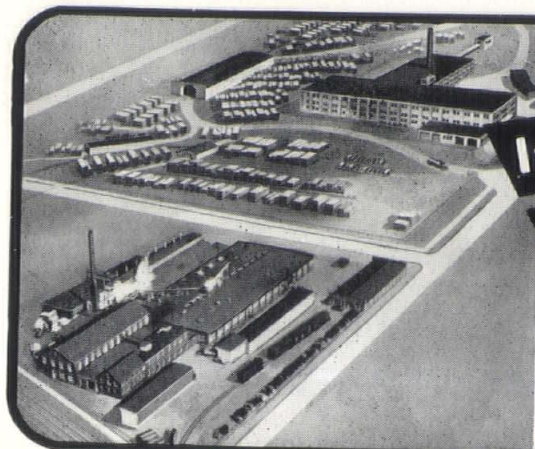


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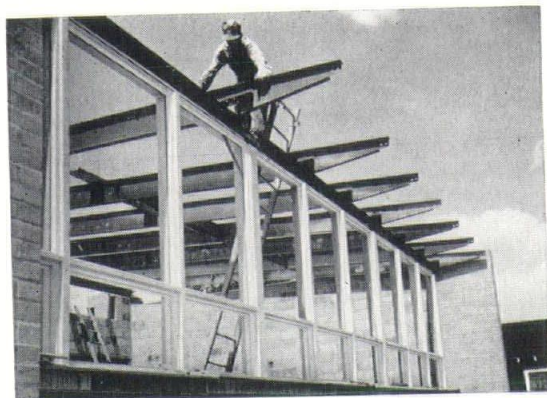
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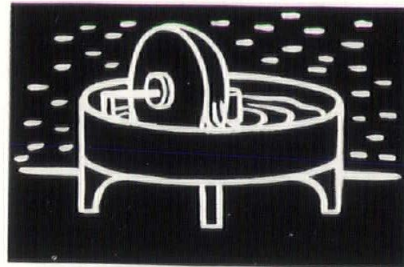
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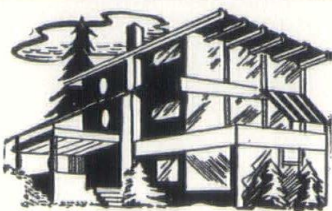
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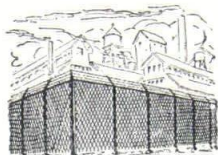
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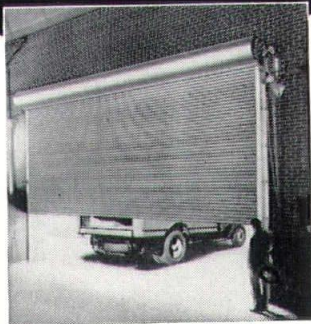
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 221 Mills, Wilbur T., 152 S. Garfield Ave., Columbus 5
 120 Mills, William, 241 W. Washington St., Nelsonville, Ohio
 1915 Milosevich, Dan D., 311 E. Royal Forest Blvd., Columbus
 (14) Ohio
 239 Mitchell, Daniel, 1240 Huron Rd., Cleveland 15
 1728 Mitchell, Emory O., 333 Stafford St., Yellow Springs, Ohio
 282 Mitchell, G. Evans, South Princeton Road, Huntsburg, Ohio
 1921 Mitchell, Richard H., 69 Prospect St., Newark, Ohio
 617 Mitchell, Walter K. (Lakewood) 1269 Granger Ave., Cleve-
 land 7
 2013 Moll, Verdin A., Jr., R. R. No. 1, Xenia, Ohio
 1222 Mollenkoph, Louis H. (N. Y. C.) 230 E. Ninth St., Cincin-
 nati 2
 173 Moore, Downie W., 79 E. State St., Columbus 15
 316 Moore, John H., 504 S. State St., Marion
 2043 Monroe, Eugene J., 1515 Sheffield Rd., South Euclid, Cleve-
 land (12) Ohio
 1699 Morbito, Joseph F., 429 East College St., Kent, Ohio
 611 Morgan, Walter J., 706 Elm St., Martins Ferry
 1121 Morrill, Paul D., (Arch. Office) 100 Brown Hall, Ohio State
 University, Columbus (10)
 633 Morris, Fred M., 538 N. Erie St., Toledo (2)
 2070 Morse, Kenneth G., 16310 Nelaview Rd., East Cleveland (12)
 696 Moss, Leslie, 1210 Drott Ave., Cincinnati 5
 797 Motter, Laurence J. (Firestone and Motter) 1412 Cleveland
 Ave., N. W., Canton 3
 1007 Moulthrop, Ray J., 2163 Lee Road, Cleveland (18)
 1637 Moyle, Walter C., 1865 Greenway, South, Columbus (3)
 1598 Mundy, Louis, 7016 Euclid Ave., Cleveland 6
 298 Munger, Harold H. (Britsch and Munger) 531 Nicholas
 Bldg., Toledo 4
 1557 Murphy, Charles F. (Naess & Murphy) 80 E. Jackson Blvd.,
 Chicago (4) Ill.
 878 Murway, Alfred K., 1240 Huron Rd., Cleveland (15)
 347 Murphy, Milton E., 1020 Second Natl. Bldg., Akron (8)
 1252 Musson, Noverre, 965 E. Broad St., Columbus (5) (Tibbals,
 Crumley & Musson)
- N-
- 1558 Naess, Sigurd E., 80 E. Jackson Blvd., Chicago (4) Illinois
 (Naess & Murphy)
 739 Nardini, Joseph A., 111 E. 4th St., Cincinnati 2
 964 Nay, Harry Ray, P. O. Box 1061, Wheeling, W. Va.
 1012 Neale, Sterling L., (Thompson Prod.) 2196 Clarkwood Rd.,
 Cleveland
 636 Neitzer, Ernest, 13124 Shaker Square, Cleveland (20) (Out-
 calt-Guenther)
 589 Nelson, Ranger O., 459 Idora Ave., Youngstown 7
 174 Neppel, Joseph P., 1779 East 100th St., Cleveland (6)
 687 Nesmour, David W., 2987 Gladstone Ave., Detroit (6) Mich.
 1911 Neuberg, Kenneth W., 4532 West 150th St., Cleveland (11)
 389 Neuffer, George T., 30 S. Ludlow St., Dayton (2) (Geyer and
 Neuffer)
 1655 Newcomer, C. Edgar, 470 Washington Rd., Pittsburgh (28)
 Pa. (Kuhn & Newcomer)
 1828 Nickerson, Marcus F., III, 312 W. Harrison St., Maumee
 (U. S. Navy)
 784 Nichols, Stephen E., 409 E. Badillo St., Covina, Calif.
 285 Nichols, Theo. V., Estero Blvd., Ft. Myers Beach, Fla.
 959 Nicola, W. G., 990 West 3rd Ave., Columbus
 1184 Nolan, John A. (James E. Allan) 914 Main St., Cincinnati (2)
 1682 Nolan, Thomas J., Sr., 311 Kentucky Home Life Bldg.,
 Louisville (2) Ky.
 283 Norcross, Maxwell A., 7016 Euclid Ave., Cleveland 3

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899 Norwick, Henry, Dripping Springs, Texas
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land (14)
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579 Nussmeyer, Harry H., 18 N. Franklin St., New Bremen

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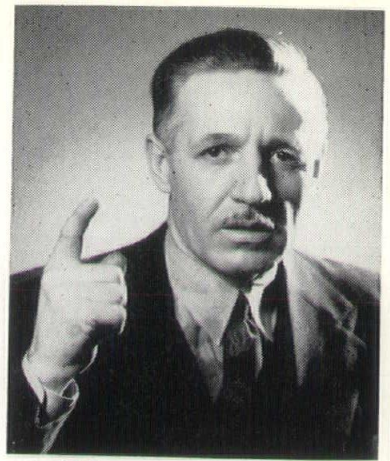
- 524 Oberlin, W. Ray, 1306 Holly St., N. W., Washington 12, D. C.
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and Trust Bldg., Warren 1
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1780 O'Connor, Robert B. (O'Connor & Kilham) 101 Park Ave.,
New York (17) N. Y.
365 Ohler, Emory J., 12 Kurtz Ave., Dayton (5)
E. State St., Columbus 15
847 Older, George B., 1124 West Goodale St., Columbus (8)
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1335 Olsen, Leif E., 5 S. Wabash Ave., Chicago 3, Ill.
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N. High St., Columbus 2
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1662 Orgler, Rudolph J., 3643 Raymont Blvd., Cleveland (18)
427 Orr, Merle T., 77 Granville Rd., Newark
186 Orr, Ralph R., 265 Oakland Park Ave., Columbus 2
801 O'Shea, Michael B. (Bellman, Gillett and Richards) 518
Jefferson Ave., Toledo 4
1441 Ott, J. Stanley, City Hall, Stockton, Calif. (City Planning
Commission)
391 Outcalt, J. Edgar, 145 N. High St., Columbus 15
422 Outcalt, R. Franklin (Outcalt and Guenther) 13124 Shaker
Square, Cleveland 20
485 Oviatt, Arthur N., Box 488, Hudson
1794 Owens, William H., 248 Boylston St., Boston (16) Mass.
1505 Owings, Nathaniel A. (Skidmore, Owing & Merrill) 100 W.
Monroe St., Chicago (3) Ill.
151 Owsley, Charles F., 211 N. Champion St., Youngstown (3)

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1679 Pansiera, Donald, 6069 Montgomery Rd., Cincinnati (13)
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16, Pa.
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132 Pettit, Walter E. (Pettit, Oman, Meinhardt and Cleland)
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Frost)
1119 Pichler, Frank J. (Pichler & Abbot) 17 S. High St., (Rm.
450 Pickering, Ernest, University of Cincinnati, Cincinnati 21
1737 Pierce, David A., 140 Fairlawn Dr., Columbus
1931 Pistler, Willard C., Jr., 2102 Stillman Rd., Cleveland (18)
1599 Pleasant, Lawrence M. (R. R. Royce) 2152 Riverside Dr.,
Columbus 12
1874 Pogue, Charles E., 129 Prospect St., DuBois, Pa.
1935 Pohlmeier, Martin W., 262 Central Bldg., Ft. Wayne (2)
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 1273 Porter, George E., Jr. (Taylor & Porter) 3915 Plainville Rd., Mariemont, Cincinnati 27
 817 Porter, Harry L., Ferguson Bldg., Cleveland 14
 1830 Porter, James Nessly, 506 East Fifth St., East Liverpool
 1295 Porter, C. Wilbur, 19885 Henry Rd., Cleveland (26) (Fairview Park)
 1806 Poseler, Frank E., 527 South Wood St., Fremont, Ohio
 384 Postler, John, 6336 Parkman Place, Cincinnati (13)
 521 Potter, J. Ellsworth, 1229 Sweetland Bldg., Cleveland (15) (Potter, Tyler, Martin & Roth)
 2062 Poti, Frank, 510 E. Central Ave., Miamisburg, Ohio
 293 Potter, Russell S., 128 E. 6th St., Cincinnati (2)
 1084 Powell, William R., 344 The Arcade, Cleveland 14
 810 Powers, Josephine E., 1066 Thomas Lane, Columbus 2
 997 Prack, Arthur E. (Prack and Prack) 119 Federal St., Pittsburgh (12) Pa.
 780 Prack, Bernard H., 119 Federal St., Pittsburgh 12, Pa.
 1302 Pressler, Fred W. (Cordes-Pressler) 4935 Paddock Rd., Cincinnati 29
 429 Pretzinger, Freeman A., 1155 Reibold Bldg., Dayton 2
 1346 Probst, Marvin G., 80 E. Jackson Blvd., Chicago 4, Ill.
 129 Pruitt, Edwin E., 172 E. State St., Columbus 15
 1549 Prusiner, Lawrence A., 687 63rd St., Des Moines, Iowa
 1894 Pruy, John A., 666 Sheridan Rd., Winnetka, Ill.
 1033 Puzenski, John H., 228 Standard Bldg., Cleveland (13)
 410 Pyle, Colvin E. (C. F. Cellarius) 906 St. Paul Bldg., Cincinnati 2

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 1703 Radabaugh, Harold E., 6307 Tyne Ave., Cincinnati (13)
 1097 Rainey, T. Marshall (Cutting & Ciresi) 2074 East 36th St., Cleveland (15)
 397 Ramsey, Edward A., 6 West Frambes Ave., Columbus (1) (Ramsey & Croce)
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 296 Rapp, Walter L, Rm. 1100, 800 Broadway, Cincinnati 2
 1653 Ratner, Max, 17 N. Pleasant St., Oberlin, Ohio
 1284 Rauber, Harold R., 410 Monroe St., N. W., Massillon
 2049 Rauschenbach, Richard R., 1320 Hillsade Ave., Parma
 568 Rayburn, Thomas W., 132½ E. Center St., Marion
 1758 Redden, John Stokes, 925 S. Homan Ave., Chicago, Ill.
 141 Redding, Lester, 28 Park Ave. West, Mansfield
 1629 Redstone, Louis G., 3510 Woodward Ave., Detroit 1, Mich.
 433 Reeb, J. Elmer (Small, Smith and Reeb) 1010 Euclid Ave., Cleveland 15
 1393 Reed, James Allen (Ohler and Reed) 1310 Hulman Bldg., Dayton (2)
 1176 Reed, J. Richard, 1233 Mentor Ave., Mentor
 727 Rees, Daniel M., 7881 Cooper Ave., Montgomery
 1562 Reeves, Robert R., Jr., 1581 E. Long St., Columbus (3)
 1463 Regner, Joseph A. (Outcalt - Guenther) 13124 Shaker Square Cleveland 20
 550 Reichard, Harry F. (Arch. Office) Ohio State University, Columbus 10
 1093 Reichert, Arthur J., 3215 Boudinot Ave., Cincinnati (11)
 1944 Reid, Louis Wm., 666 Washington Rd., Pittsburgh (28) Pa. (Mt. Lebanon)
 1783 Reiley, Robert J., 45 West 45th St., New York 19, N. Y.
 1168 Reily, Solon L., 300 W. Adams St., Chicago 6, Ill.
 1002 Reimers, Charles H., 1293 Chase Ave., Cleveland 7
 1303 Reinhard, L. Andrew, 145 E. 32nd St., New York (16) N. Y. (Reinhard, Hofmeister & Walquist)
 1996 Reinhardt, Clarence F., Adams Bldg., Bartlesville, Okla.
 839 Rennison, Forrest O., 2540 Euclid Hts. Blvd., Cleveland 6
 1859 Retzler, Harold P., 474 Crescent Dr., Berea, Ohio
 1106 Reuther, Henry E., 15 S. St. Clair St., Dayton 2
 1271 Rhinehart, Frank E., 1240 Huron Rd., Cleveland 15
 472 Rhoads, Emery W., 75 Public Square, Cleveland 1
 665 Rigamont, Victor A., 5471 Coral St., Pittsburgh (6) Pa.
 1015 Richards, Clarence E., 400 S. Front St., Columbus 15
 958 Richards, John N. (Bellman, Gillett & Richards) 518 Jefferson Ave., Toledo (4)
 927 Richards, William J., 1124 W. Goodale Blvd., Columbus (8) (Benham, Richards & Armstrong)
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 544 Riddle, Wilbur D., 37452 Park Ave., Willoughby (Riddle and Huston)

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 610 Rietz, John J., 421 Market St., Steubenville
 1563 Rietzke, June King, 1076 Virginia Ave., Columbus (12)
 1681 Ripnen, Kenneth H., 101 Park Ave., New York 17, N. Y.
 980 Ritterhoiz, Henry John Jr., 2622 Canterbury Ave., Cincinnati 13
 678 Robinette, Paul S. (City of Toledo) Safety Bldg., Toledo 2
 205 Robinson, A. C., III, (Garfield, Harris, Robinson & Schafer) 1740 E. 12th St., (Rm. 412) Cleveland 14
 1237 Robinson, Irving D., 4300 Euclid Ave., Cleveland 3
 495 Roderick, Harry T., 12 N. Third St., Columbus 15
 1603 Roberts, Robert F., 1107 Nelbar St., Middletown
 896 Robinson, Charles A., 300 Reading Ave., Rockville, Md.
 219 Rodrick, Jess Lloyd, 1850 Superior Ave., Cleveland 14
 593 Roehm, Charles T., R.F.D. 2, New Richmond
 594 Roehm, Leslie J., R.F.D. 2, New Richmond
 1356 Roessner, Roland G., Arch. Dept., University of Texas, Austin, Texas
 1036 Roller, E. Russell, R.R. 2, Alliance

- 377 Ronan, Wilbert C., 422 N. Parkview Ave., Columbus (9)
 567 Ronsheim, Herman, 1024 Dixie Terminal Bldg., Cincinnati 2
 1257 Ronsheim, Howard M., 237 Sturgus Ave., Cincinnati 17
 1102 Root, John W., 180 N. Wabash Ave., Chicago 1, Ill.
 1386 Rosenberg, Hymen, 406 Berger Bldg., Pittsburgh 19, Pa.
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 343 Rossbach, Erwin C., 1527 Hawthorne Ave., Columbus 3
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 1313 Rotman, Louis J., 574 East 260th St., Cleveland (23) Ohio (Euclid)
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 794 Royce, Robert R., 2152 Riverside Dr., Columbus 12
 760 Rudolph, George E., 1514 Parker Dr., Cleveland (24)
 1816 Rukin, M. J., 2423 Overlook Rd., Suite 14, Cleveland Hts., (6) Ohio
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 870 Russell, Laurence N., 319-320 Home Bldg., Ashland
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 364 Samuels, John H., 215 Lincoln Ave., Youngstown (2)
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 1596 Sarvis, Lewis J., 258 Champion St., Battle Creek, Mich.
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 314 Schade, G. Donald, 222 North Park Ave., Warren
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 983 Scheuffler, Carl A., 800 Marquette Bldg., Detroit (26) Mich.
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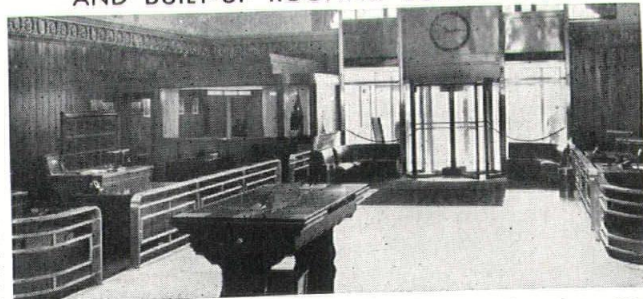
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- 162 Schulte, Edward J., 920 E. McMillan St., Cincinnati 6
- 781 Schultz, Julius C., 609 Lafayette Ave., Buffalo (9) N. Y.
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- 644 Schweickart, Lowell Gray, Box 218 R. F. D., No. 4, Vienna, Virginia
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- 520 Schwerzler, Urban G., Hemlock Point Road, R.F.D. No. 2, Chagrin Falls
- 1897 Scott, Charles D., 538 N. Erie St., Toledo (4) (F. M. Morris)
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 1751 Skubic, Leroy F., 53 W. Jackson Blvd., Chicago 4
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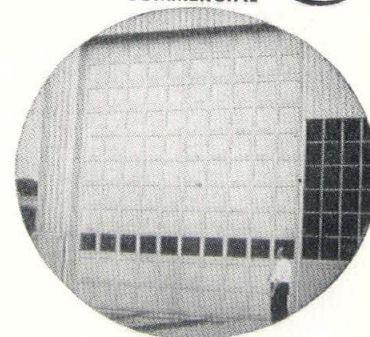
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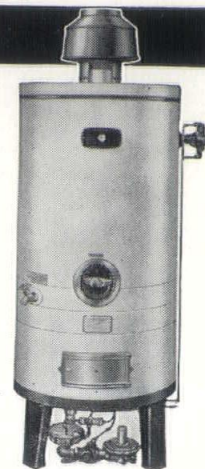
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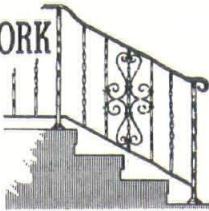
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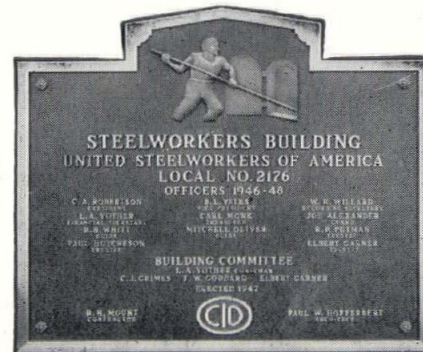
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- 1318 Whitney, Franklin L., 3777 Glenwood Rd., Cleveland Hts. (21) Ohio
- 519 Whitworth, Henry P., 222 Park Ave., Winter Park, Fla.
- 1745 Widing, Nelson G. (Euclid) 401 East 264th St., Cleveland 23
- 1837 Wiechelmann, Wm. H., Jr., 4527 Golfway Rd., S. Euclid
- 1521 Wiggers, Thomas C., 412 Mercantile Library Bldg., Cincinnati (2) Ohio
- 197 Wile, John Raymond, 529 Willis Ave., Youngstown
- 1917 Wiley, Kenneth F., 841 W. Market St., Akron (M. M. Konarski)
- 182 Wilhelm, Karl E., 1256 Lennox Ave., N. E., Massillon, Ohio
- 715 Wilkens, John J. (Wilkens, Schrand & Wilkens) S-106 Cincinnati Union Terminal, Cincinnati 3
- 1610 Wilkens, John J., Jr. (Wilkens, Schrand & Wilkens) S-106 Cincinnati Union Terminal, Cincinnati 3
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- 996 Willard, James O., 1200 Babbitt Rd., Cleveland (17)
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- 407 Williams, Harry J., The Plaza, Palm Springs, Calif.
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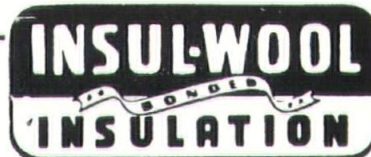
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 816 Winnes, Clifford J., 882 North Bend Rd., Cincinnati 24
 1510 Winters, Paul C., 1293 West First Ave., Columbus 12
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 (In U. S. Army)
 505 Wojahn, Eric F. 2972 Scranton Rd., Cleveland 13
 290 Wolf, A. C., 309 Frederick Bldg., Cleveland 15
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 1764 Woo, Lam, Arch. Office, Ohio State University, Columbus
 (10) Ohio
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 1469 Worden, Roy A., 312 W. Colfax, South Bend 7, Ind.
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 1591 Wuellner, Walter V., P. O. Box 1035, Toledo (1)
 1234 Wurst, Wilbur W., 532 Hulman Bldg., Dayton (2)
 1366 Wyatt, Arthur V., Oak Hill Rd., Ira, Ohio

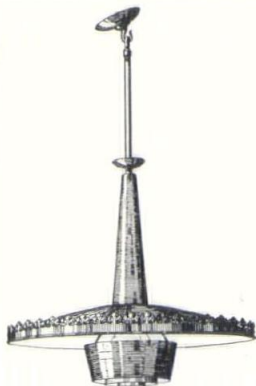
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- 1821 Yager, Gordon A., West Wood Drive, Strongsville, Ohio
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 1812 Yeager, Michael L., 2348 Agler Rd., Columbus (11)
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 603 Zeller, Lloyd J. (Zeller and Hunter) 709 E. High St., Spring-
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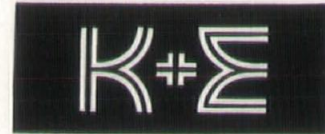
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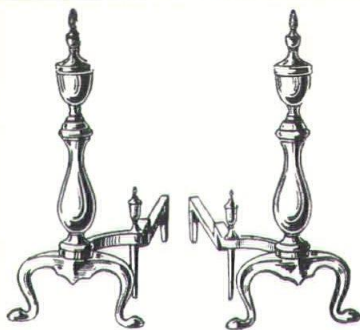
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Charlton, Jack, 399 Madison Ave., Akron (20)
Christian, Robert H., 10180 Rustic Lane, Cincinnati (15)
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Farnham, Lavern A., 4518 Hannaford Dr., Toledo (13)
Francis, James Thomas, 50 E. South St., Painesville, Ohio
Geary, Robert O., 1808 Pleasantville Dr., Cleveland (9)
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Jones, David E., 1420 Minnesota Ave., Columbus (11)
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 Sandig, Henry, 1696 Gladstone Ave., Detroit (6) Mich.
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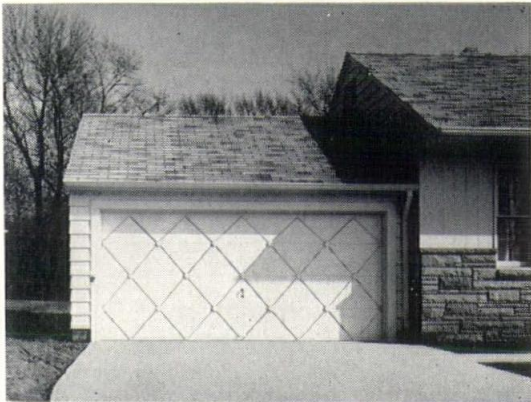
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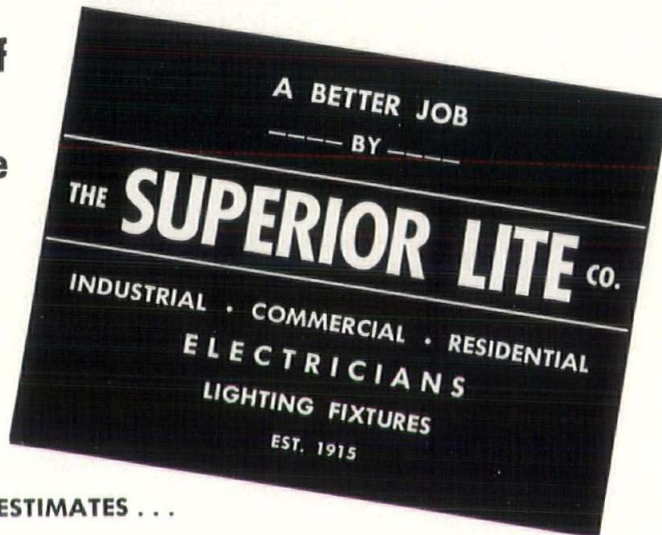
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Reducing Noise

(Continued from page 20)

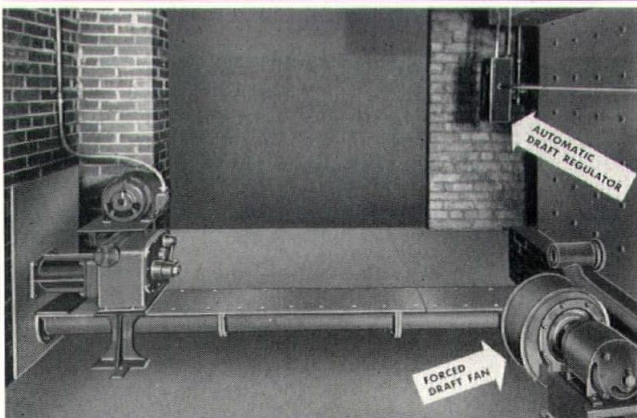
rooms, kill cafeteria clatter, take the roar out of the gymnasium, subdue noise made in the school shop, and perhaps the greatest boon of all, Sound Conditioning reduces corridor noises and prevents their spreading throughout the entire school building.

Machinery in the Building

Noise from operating machinery such as heating and ventilating equipment, air conditioning units, pumps, elevator hoisting motors, etc., should be isolated wherever possible. Such units should be in treated rooms to reduce air borne sound, and must be mounted on resilient bases to prevent structural vibration which is very difficult to eliminate once it has been transferred into the building structure. Air ducts can be lined with rock wool ductliner to minimize noise being spread through a building from this source. Plumbing drains and other such piping should be run in shafts or in pipe tunnels, keeping them away from the building structure. Wherever they are suspended, resilient hangers should be used. The use of resilient floor and wall construction is most important in eliminating structural noise.

Outside Noises in the Building

Traffic noise and industrial noise are the two main sources of outside noise coming into a building. These noises are hard to reduce at their source, except through anti-noise legislation and zoning regulations. The number of non-stationary windows is a factor in this problem. If fixed lights or glass block are used, this source of entry into the building will be eliminated. This would involve the use of mechanical ventilation in the building. The location of a site away from congested areas or manufacturing areas is very desirable. If this is not practical, then the use of glass block or fixed fenestration plus



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acoustical tile will reduce the noise level inside the building to a minimum. Sound locks between corridors or lobbies and exterior doors are helpful.

The Use of Acoustical Consultants

Time does not permit the full discussion of all of the problems involved. New materials and methods are being used as this field develops. For this reason the Architect or Engineer will find it helpful to select an experienced and dependable acoustical contracting firm who employ capable engineers to advise clients on the design and treatment of these problems. This service is desirable because it allows the designer to avail himself of the latest methods and materials without taking time from his own field to study another field which is in itself a specialty. The consultants offer their services free of charge to us as an aid to better buildings and the proper use of their materials. The consultants are familiar with various State and City codes governing the use of acoustical materials in various buildings.

Selection of Materials

An investigation into the various acoustical materials available today indicates a large selection of different types designed for various uses. There are tiles—both fibre and moulded. Some are perforated and some fished. Perforated facings with sound absorbing blankets are available. There are several acoustical plaster products on the market. The field seems to be endless and the methods of erection are too numerous to mention. Materials are available in several finishes and with several ratings of combustibility. The enactment of codes has further complicated the selection of materials. For this reason, it is advisable to use the services of a consultant as outlined previously. In this manner, we can obtain a specification for each job which will provide the proper material, erected in the best manner, and one which will not conflict with any code regulation.

How Much Absorption?

The sound absorptivity of commercially available acoustical materials is usually expressed in terms of the average absorption coefficient of the material, which represents the fractional part of incident sound waves that is absorbed by the material.

The question arises as to how much absorption there should be in a room for purposes of noise reduction. It is important to realize that if there is already a considerable amount of properly placed absorptive material in a room, then the addition of acous-

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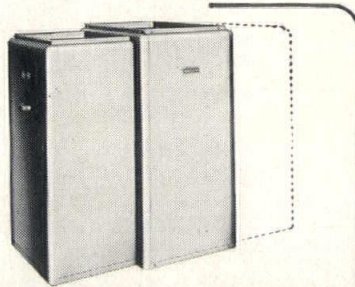
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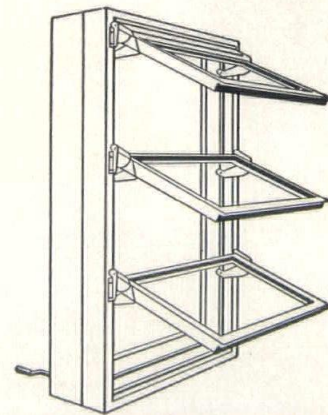
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tical material may not show any marked beneficial effect from the standpoint of over-all noise reduction — here the law of diminishing returns operates. The following rule-of-thumb is useful in estimating, roughly, the number of units of absorption needed in a room where quiet is a prime requirement: Use enough absorptive material to provide a reverberation time of about 2/3 to 3/4 of the optimum for speech in that room.

Since the absorptivity of an acoustical material varies with frequency, it is often important to choose one on the basis of the absorptivity-vs-frequency characteristic best suited to reduce the level of the noise to be suppressed. For example in a building where the noise is predominantly in the low frequency range, one should make certain that the sound-absorptive treatment which is installed is efficient in this range.

The Make Up of Our New School Buildings

(Continued from page 26)

Asphalt tile wins again as the preferred flooring in the Middle West schools, although wood, terrazzo, ceramic tile, and concrete are also used here and there. Tar and gravel built-up roofing is again the favorite. Plaster ceilings have by no means been outmoded.

Steel sash with glass block, aluminum and wood frames are all in evidence in the choice of the windows. Fluorescent lighting, numerically at least, wins over incandescent lighting in this area.

Plumbing is somewhat more evenly distributed among leading brands, and that is true also of the choice of heating equipment. Floor radiant heating has made much slower progress, however, in the Middle West than in the Far West zone.

Under the head of special equipment, green is still the favorite color for chalkboards, but the glass type is in more demand than in the Far West.

Winning Materials in the South

In the Southern zone, steel and concrete continue to be relied upon for the structural materials, with an occasional use of wood, glass block, and slag block. Slag and cinder block, as well as brick, are used frequently for both exterior and interior wall treatment. Glazed tile is often relied upon for the wall surface. Asphalt tile is again in evidence for floors, and composition roofing is nearly always preferred. Acoustical tile, with a leaning toward fibreboard and fibreglass, prevails for the ceilings.

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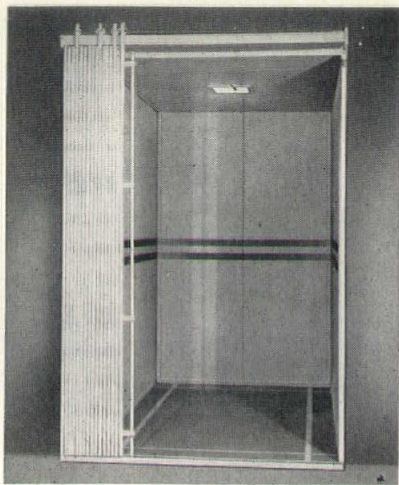
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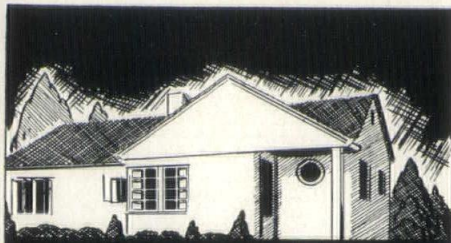


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ors when it comes to windows, and the same is true of incandescent and fluorescent lighting. Plumbing systems are of the usual make. Radiant floor heating has apparently made bigger strides in the South than in the Middle West. With regard to special equipment, the South seems to be quite as progressive as any other region in providing its schools with such features as intercommunicating systems, radio-visual equipment, clock and program systems, plastic dome skylights, etc.

The East, Too, Has Its Strong Favorites

In the Eastern states, steel and reinforced concrete are the overwhelming favorites, with an occasional reliance upon masonry and wood. The use of masonry, however, seems to be confined to the schools reporting from Maryland, and a Bangor, Maine school stands out alone in the use of Douglas fir.

Brick, however, is a strong favorite for exterior wall facing. Cinder blocks are again in use here as they are in the Middle West for both exterior and interior.

Virtually every school reporting in this zone uses asphalt tile for its floors, with an occasional concession to maple flooring, terrazzo, or ceramic tile. The roof is almost always of built-up tar and gravel, and the ceilings are virtually always of an acoustic tile.

Wood sash is still popular in the selection of windows, although steel and aluminum are ahead in the race. Fluorescent and incandescent are practically tied in the field of lighting. Plumbing is divided among the more popular makes. A more conventional type of heating and ventilating systems is still holding fast in the East against inroads of radiant floor heating, but here, as in all other parts of the country, the utmost care is taken to insure proper controls and adequate ventilation.

In the way of special equipment, Eastern schools are favored with many new features, such as sound equipment and signal systems, audio-visual facilities, special insulating and waterproofing units, prism skylights, and in many instances the last word in laboratory, kitchen and gymnasium equipment.

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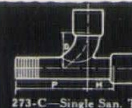
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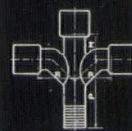
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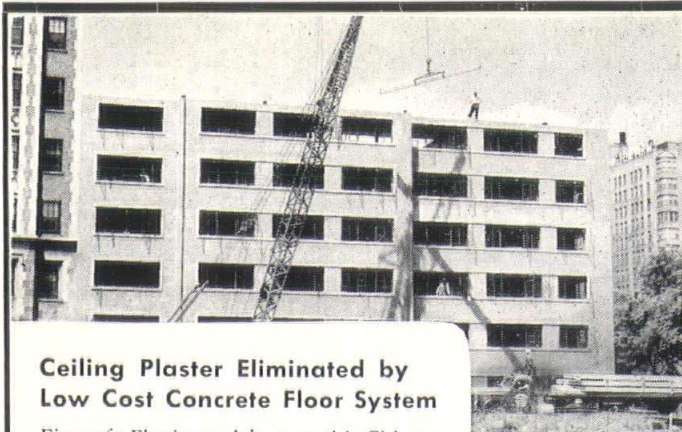
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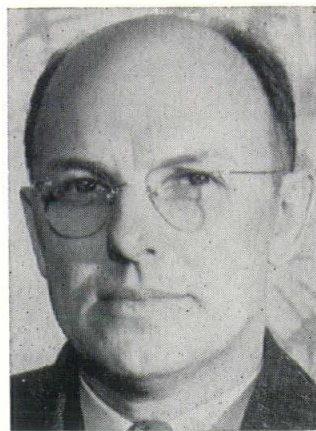
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OUR PRESIDENT'S MESSAGE

The American Institute of Architects has for many years published a schedule of recommended minimum fees for architectural services on various classes of buildings. These schedules are based on cost records of many offices from various sections of the country, and are predicated upon the principle



WILLIAM BOYD HUFF, A.I.A.

of recovering direct costs spent on the individual project, as well as overhead, and a reasonable profit. The schedules have been restudied and revised periodically as further cost data and experience has proven necessary. These schedules are definitely not a mandatory requirement upon members of the Institute, but are merely a standard established to form a basis for fee negotiations between architects and their clients. Many jobs have unusual circumstances which warrant a considerable increase over the

minimum standards listed in the schedule, and occasionally circumstances may permit, where possible repetition of units is involved, that a reasonable profit may be recovered at a fee less than the established recommended standard.

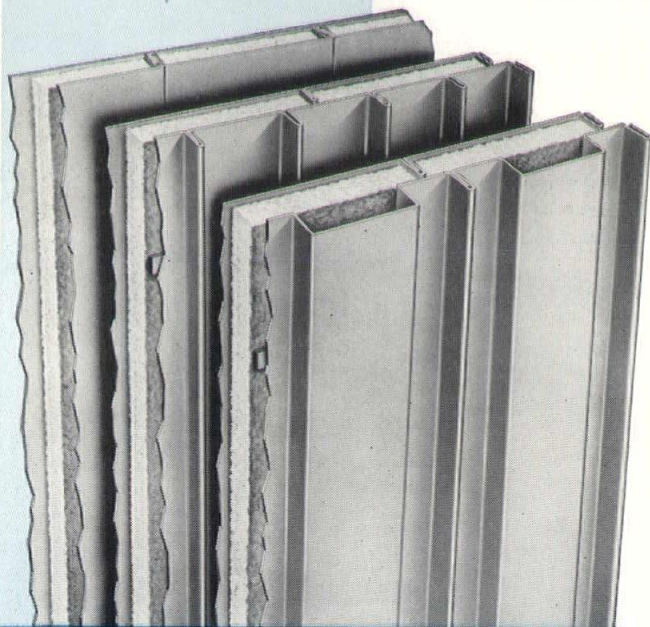
It is a basic principle in any enterprise that to continue in such endeavor, one must recover his costs and obtain a reasonable profit, otherwise it is impossible to long continue, or to consider providing for progress and expansion. We are, at present, going through a rather lush period, and many may be overlooking the fact that there will be slack times to come, during which time fixed expenses will continue and the expenses during these periods must be considered a part of current overhead.

It appears that there is an existent unhealthy competitive practice wherein architects are attempting to negotiate with clients on a basis of meeting the fee for which the owner says he "can have his plans prepared elsewhere." It should be obvious that when fees are charged which are below recognized standards, only two results can follow; the one being that the architect is rendering the services at a loss, if all costs are recognized, or in the other case, the services rendered be kept proportionate to the amount of fee. In the latter case, the services must, of necessity, be very much abbreviated and incomplete, with the designs having been given insufficient study to obtain desirable results.

It follows, therefore, that in the best interests of the individual architect concerned, and for the best interests of the profession as a whole, that we not permit ourselves to be a party to a project upon which we cannot receive a fee which will justify putting forth our best efforts to provide a complete service which will lead to a satisfactory situation both to the architect, the owner, and to the community. To reduce our fees below a practical level or to abbreviate our services serves to undermine the profession and lead the individual to failure. Let us take advantage of the experience of those who have preceded us, as well as make a careful analysis of our own costs, and of the services we render, and then make sure in negotiations with our clients that we will receive a fair remuneration so that our practice will be a credit to the profession and to ourselves.

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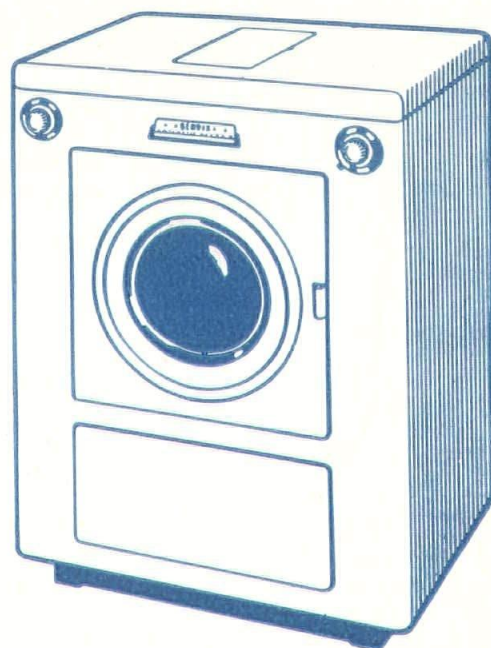
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