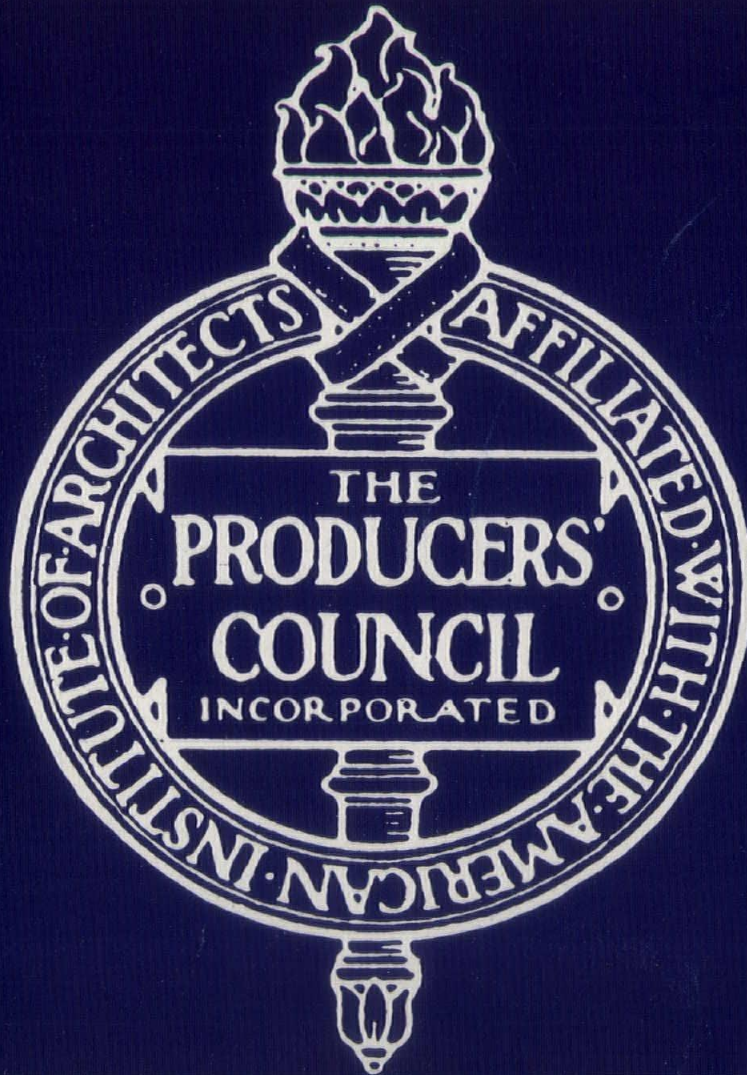


NOVEMBER • 1950

# OHIO ARCHITECT



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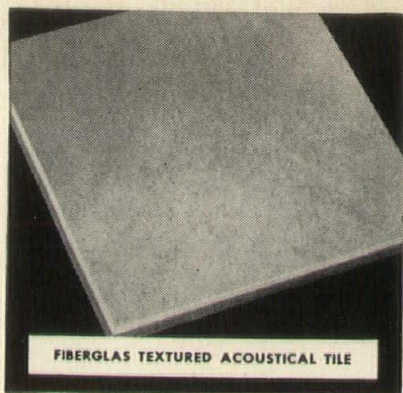


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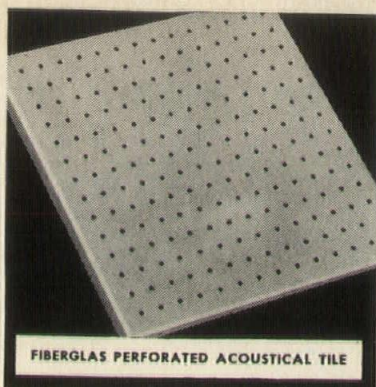
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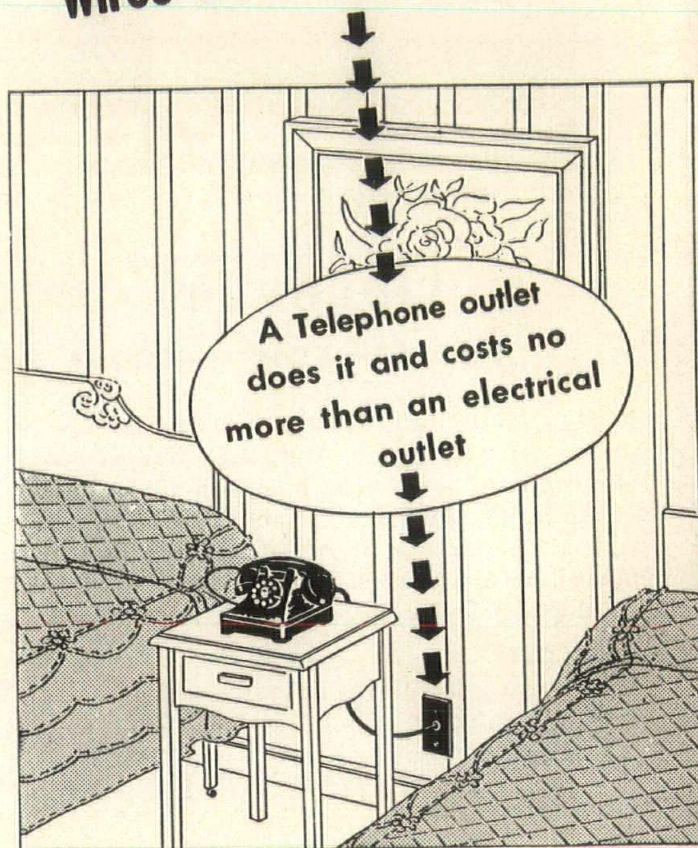
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## Mid-Century Products Parade Typifies the Close Cooperation Between Producers' Council and A.I.A.

In keeping with our aims to continue and to further the close working association with A.I.A., the Cleveland Chapter of Producers' Council is again presenting its product parade for the architects. We have named this exhibit "The Mid-Century Products Parade" and the leading manufacturers of building products will exhibit those products which best typify the new era in building which we are beginning. The Statler Hotel is the place and December 12 is the date. In addition to the exhibit of new products we hope that the meeting will take on a pre-holiday season atmosphere. Individual invitations will be mailed out shortly to those architects in the Cleveland vicinity.

In addition to the above mentioned cooperative activity we are now attempting to sponsor joint meetings with the local A.I.A. group wherein panel discussions will be presented in which a group of Council Members, usually three, jointly describe and demonstrate the way their products are used to solve a construction problem of broad interest. A short description of four of the panels which are available follows:

### PANEL NO. 1

#### "INDOOR CLIMATE CONTROL"

This panel deals with the three basic methods of controlling indoor climate in all types of buildings—summer and winter. The methods of controlling are through regulating the operation of heating and cooling plants, controlling the heat or entrance of heat through walls, floors, and roofs, and controlling the loss or entrance of heat through and around windows.

Participants—Minneapolis-Honeywell Regulator Co. Subject: "Automatic Controls." Owens-Corning-Fiberglas Corp. Subject: "Insulation of the Structure." Libby-Owens-Ford Glass Co. Subject: Insulation of the Glass Area.

### PANEL NO. 2

#### "PLANNING THE PUBLIC TOILET ROOM"

The most important factor to be considered in Public Toilet Room design is sanitation. The three companies presenting this panel will show how this is achieved. Here we have a perfect example of the use of material in combination to produce an efficient service in a building.

Participants—American Radiator & Standard Sanitary Corp. Subject: "Achieving Maximum Sanitation Through Proper Selection of Plumbing Fixtures." J. A. Zurn Mfg. Co.—Subject: "Modern Methods of Fixture Support and Correct Drainage Technique." Sanymetal Products Co., Inc.—Subject: "The Influence of Toilet Compartments on Toilet Room Environment."

### PANEL NO. 3

#### "MODERN METHODS OF FASTENING"

A common objective of all segments of the construction industry is to reduce building costs. The speed with which component parts of a structure can be fastened together contributes to this objective. This panel des-

(Continued on page 14)

## CONVENTION REMINISCENCES

There is only one state convention of architects and that is the Architects Society of Ohio's annual get-together—the most recent meeting having come to a close with gunfire and a lot of patting on the back of the architects who practice on the banks of the Maumee. The ladies who cook and keep house for these architects also came in for a lot of deserving praise. (It is not customary to pat ladies on the back.) The exhibitors did an exceptionally fine job in displaying a lot of fine products and doing a lot of handshaking. Of course, the Hotel Commodore Perry was just keeping up with its usual high standards with the services and hospitality they put out.

There is no rule or schedule for meeting your old friends, college classmates, war buddies and making new friends. In addition to a very grand time, we can recall—Mr. and Mrs. George Foulks of Canton and that beautiful red dress—the Sagadenckys were on hand, the same for Mr. and Mrs. Veep Huff of Akron. Sure P. P., George B. Mayer was there with Ron Spahn and a few others—P. K. Barnes, John Samuels, R. R. Peck, Bob Gaede, Junior "E", A. Berr, Jr., Wally Teare, Max White, J. Boenisch, Ciresi and Worley from the banks of the Cuyahoga.

The Marshall Martins from Cincinnati were on hand and had a very good time. Marshall had the good luck to catch a lady who fell into his lap when the war started. The one and only Chas. Marr and his wife from New Philly seemed to always know where the food was being passed out.

Columbus was pretty well represented with Mr. and Mrs. William Linch—she does not like shooting. The Richard Tulleys, President Charles Cloud was looking up some old (?) friends with the help of Art Dupre. P. P. Coddington, Columbus Chapter, was busy nominating; Curt Inscho was on hand trying to help Russell Roller find a golden wheel barrow that had been stolen from the top of an architecturally designed column in Van Wert. Mr. and Mrs. John Richards of Maumee were helping in this search. Erney Gill of Harry Allen's office was on hand reviving a lot of old acquaintances. Mr. and Mrs. Mel Frank glad handing around in fine Masonic style. Lancaster Guthrie found time to be on hand as usual. P. P. Carnahan of Dayton could not be on hand but sent Miss Heilman who was a very good representative. Rosser and Sullivan were busy "politicking." Harold Goetz of Middletown seemed to be getting his share of everything. Mr. and Mrs. Sandusky Parkers, our host, at the Cedar Point convention did not miss anything.

The gate keepers were a little negligent and let in a lot of outsiders. Mr. and Mrs. Clair Ditchey, Detroit, secretary of the A.I.A.; Mr. and Mrs. Ossion Ward from Louisville, Kentucky; Editor-Architect-Traveler, Tal Hughes, from Detroit; Mr. and Mrs. Wells Bennett of Ann Arbor and Jim Spence of Saginaw were some of the D.P.'s.

No need to mention all the officers as they were on hand to give their reports, about which no one was

(Continued on page 22)



# New School "Gym" Features Beauty, Efficiency

AS DONE BY ARCHITECTS HUBBEL & BENES OF CLEVELAND

By ALICE BOLTON

Beauty, efficiency and ease of housekeeping were three major considerations when plans were drawn up for the huge new addition to the physical education plant at Western Reserve Academy, in Hudson, Ohio.

The Academy had long outgrown its old gymnasium and locker room quarters. With their sights set on a modern structure which would combine beauty and efficiency, the school's board of directors called on the firm of Hubbel & Benes to design the new layout, commissioned the Cleveland Construction Company to translate the plans into brick, stone and mortar.

The result is a new gymnasium, 70 x 101 ft., with a bleacher section adding an extra 35 feet at the north side of the building. The bleacher section will seat 600 persons during basketball games, movie showings and other indoor events.

Adjoining the new gymnasium, on the first floor, are a varsity locker room, a large shower room with 17 shower heads, a drying room (for use after swimming sessions) the physical director's room and the student manager's room, as well as toilet rooms.

On the second floor is a shower room with 27 showers, storage equipment room, a large clothes-drying room where sports equipment and uniforms are dried out, a locker room and toilet rooms.

All interior walls of the gymnasium and adjoining rooms are of cream-colored hollow glazed tile brick;

locker room areas have red quarry tile floors; toilet rooms, drying rooms, etc., have terazzo floors; thus, these areas are easy to clean because they can be flushed with a fire hose. A number of floor drains have been provided to take the excess water.

Lockers in the locker rooms are larger than average, measuring 18 inches square. Thus, when opened, they do not present the usual over-crowded appearance. Each locker is individually-ventilated, with its own system of air circulation.

Sure to find favor with the high school athletes at Western Reserve Academy is a dumb waiter, which transports sports equipment from the first floor to the second, and vice versa. It will prove a time saver to eager athletes, in a hurry to get to the field of action, and a step saver to tired players who check in their equipment after a track meet or a football or basketball game.

A feature of the new building which promotes discipline is the location of the office of the physical education director, Mr. R. J. Thiebert. From his office windows he can view, simultaneously, the swimming pool in the old gymnasium sector, the new gymnasium floor and the hallways. Thus, he has at all times a clear-cut picture of the activities of the 225 boys who are enrolled in physical education courses at the Academy.

Definitely modern is the system of heating the new

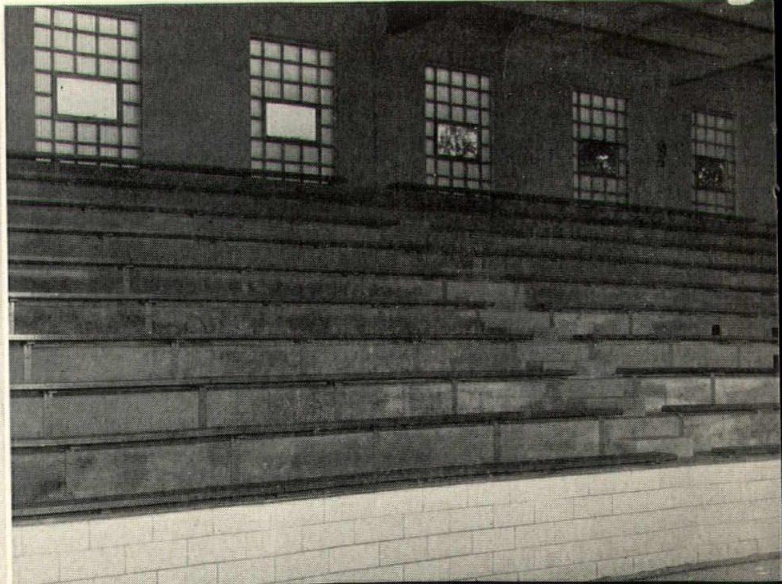
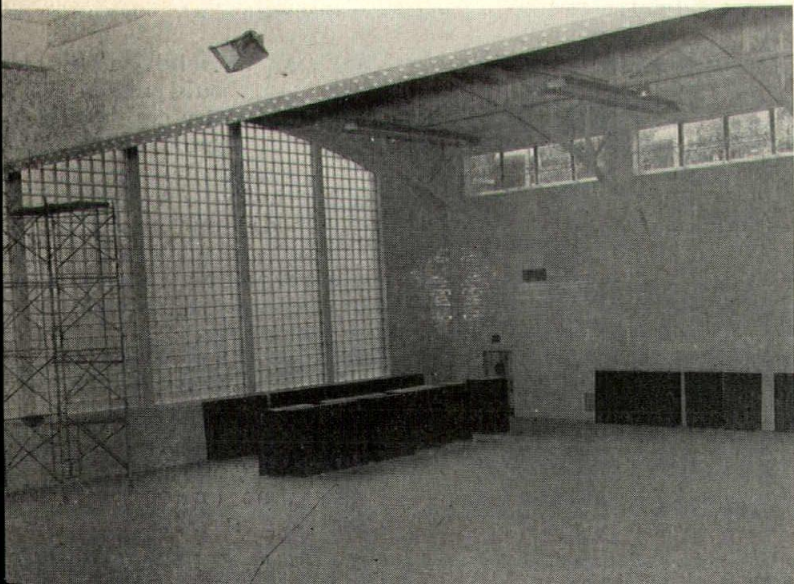
(Continued on page 27)



Mr. Russell E. Tilt, Western Reserve Academy Business Manager, stands beside the dumb-waiter which transports athletic equipment up and down.

A view of the bleacher section which seats 600 spectators at indoor sports events in the Western Reserve Academy Gymnasium.

Part of the 70x101 ft. gymnasium at Western Reserve Academy. The lockers will be removed when rebuilding of the old gymnasium is completed.





# The Outlook for Construction in 1951

A special meeting called by the Department of Commerce for representatives of the building industry and government representatives on October 23rd brought forth the following report. Representatives of the industry attending were: Walter Hoadley of Armstrong Cork; Wm. Bober, of Johns-Manville; Gordon Looney of Libbey-Owens-Ford; James Rich of U. S. Steel; T. R. Hancock of General Electric; Clyde Shute of F. W. Dodge; N. K. Dickerson, Jr. of Dickerson, Inc. (Contractors); Chas. Mortensen of Producers Council; H. E. Foreman of Assoc. Gen. Contractors; F. Stuart Fitzpatrick of U. S. Chamber of Commerce and the government representatives were: Arnold E. Chase, N.P.A.; Bruce M. Fowler, N.P.A.; Walter Schneider, B.L.S.; Henry Haase, B.L.S.

The table at the right was prepared as a result of conferences with outstanding representatives of the construction and building materials industries. They purport to represent the best judgment of the industries regarding the probable volume of privately-financed construction that may be expected during calendar 1951 taking into consideration the credit and other regulations in effect at the end of October, but not attempting to evaluate the influence of possible changes in those regulations or the issuance of additional regulations as time goes on.

This blanket statement probably should be qualified to the extent of saying that the industry representatives undoubtedly had in mind the prospective shortages of metallic building materials which are expected to create uncertainties in the supply situation in the near future. These metallic materials are expected to be the subject of future controls, but the actual issuance of control orders might be expected to have only a slight additional effect on the anticipated volume of construction in 1951.

Estimates of the probable volume of public construction of all types were developed by the Departments of Commerce and Labor. While they were reviewed very briefly with the industry groups, it can not be said that they represent the consensus of those groups. The estimates for public construction, therefore, remain the responsibility of the two Federal agencies. Some of them are very tentative, particularly the estimate of the volume of military and naval construction.

(Continued on page 30)

## VALUE OF NEW CONSTRUCTION, ADDITIONS AND ALTERATIONS IN CONTINENTAL UNITED STATES

(Millions of dollars)

Type of Construction	Official Forecast 1950 (July 1)	Revised Forecast 1950 (Oct. 25)	Outlook 1951	% change outlook 1951 from revised Forecast 1950
Total new construction .....	25,850	27,370	22,580	- 17.5
Private Total .....	19,000	20,490	15,020	- 26.7
Residential total .....	11,000	12,345	6,670	- 46.0
New dwelling units .....	10,000	11,275	5,600	- 50.3
Additions and alterations .....	835	900	900	0
Nonhousekeeping .....	165	170	170	0
Nonresidential building (nonfarm) .....	3,585	3,755	3,600	- 4.1
Industrial .....	1,000	1,065	1,250	+ 17.4
Commercial .....	1,185	1,275	1,250	- 2.0
Warehouses, office and loft bldgs. ....	340	400	500	+ 25.0
Stores, restaurants and garages .....	845	875	750	- 14.3
Other nonresidential building .....	1,400	1,415	1,100	- 22.3
Religious .....	385	400	300	- 25.0
Educational .....	295	295	325	+ 10.2
Social and recreational .....	240	240	75	- 68.8
Hospital and institutional .....	345	345	300	- 13.0
Miscellaneous .....	135	135	100	- 25.9
Farm construction .....	1,090	1,090	1,250	+ 14.7
Operator's dwellings .....	530	530	550	+ 3.8
Service buildings .....	560	560	700	+ 25.0
Public utilities .....	3,185	3,185	3,400	+ 6.8
Railroads .....	310	310	300	- 3.2
Telephone and telegraph .....	475	475	450	- 5.3
Other public utilities .....	2,400	2,400	2,650	+ 10.4
Local transit .....	40	40	40	0
Pipelines .....	155	155	175	+ 12.9
Electric light and power .....	1,355	1,355	1,485	+ 9.6
Gas .....	850	850	950	+ 11.8
All other private .....	140	115	100	- 13.0
Public construction .....	6,850	6,880	7,560	+ 9.9
Residential building .....	400	335	400	+ 19.4
Nonresidential building .....	2,220	2,255	2,520	+ 11.8
Industrial .....	200	200	350	+ 75.0
Educational .....	295	295	325	+ 10.2
Hospital and institutional .....	525	455	445	- 2.2
Other nonresidential .....	445	475	425	- 10.5
Social and recreational .....	135	145	65	- 55.2
Public administration .....	155	160	175	+ 9.4
Miscellaneous .....	155	170	185	+ 8.8
Military and naval facilities .....	135	150	500	+233.3
Highways, streets and roads .....	2,200	2,350	2,500	+ 6.4
Sewage disposal and water supply .....	630	655	625	- 4.6
Publicly-owned utilities .....	185	175	150	- 14.3
Conservation and development .....	975	860	775	- 9.9
Bureau of Reclamation .....	300	260	225	- 13.5
Army Engineers .....	575	500	450	- 10.0
Tennessee Valley Authority .....	40	40	50	+ 25.0
Other .....	60	60	50	- 16.7
All other public construction .....	105	100	90	- 10.0

## PRIVATE NON-RESIDENTIAL BUILDING ACTIVITY

(Millions of dollars)

Type of Construction	Total	1950		1951		
		From 1949 Starts	From 1950 Starts	Total	From 1950 Starts	From 1951 Starts
Total .....	3,755	1,155	2,600	3,600	1,650	1,950
Industrial .....	1,065	275	790	1,250	590	660
Warehouses, Office and loft buildings .....	400	135	265	500	210	290
Stores, restaurants and garages .....	875	135	740	750	165	585
Religious .....	400	165	235	300	200	100
Educational .....	295	140	155	325	180	145
Social and recreational .....	240	90	150	75	55	20
Hospital and institutional ....	345	190	155	300	210	90
Miscellaneous .....	135	25	110	100	40	60



# IRVIN DEMONSTRATES LATEST INTERIORS IN NEW, ENLARGED SHOW ROOMS

By DAVID SKYLAR

A new idea in retail store decoration was introduced when Irvin and Company, Inc., interior designers, Cleveland, opened their remodeled and enlarged sales and display rooms on Shaker Square, Wednesday, Nov. 8.

In addition to two rooms devoted exclusively to the



The living room setting done in Regency or American Federal furniture is complete in every detail.

display of china, glassware, porcelains, vases, silver and other objects d'art from all over the world, two new rooms are completely furnished and decorated in Regency period furniture. These rooms are complete in every detail.

The illustrations with this article give a better idea than a written description. American Federal is coming back with real strength and it is actually a reflection of the way of living that typifies the Western Reserve.

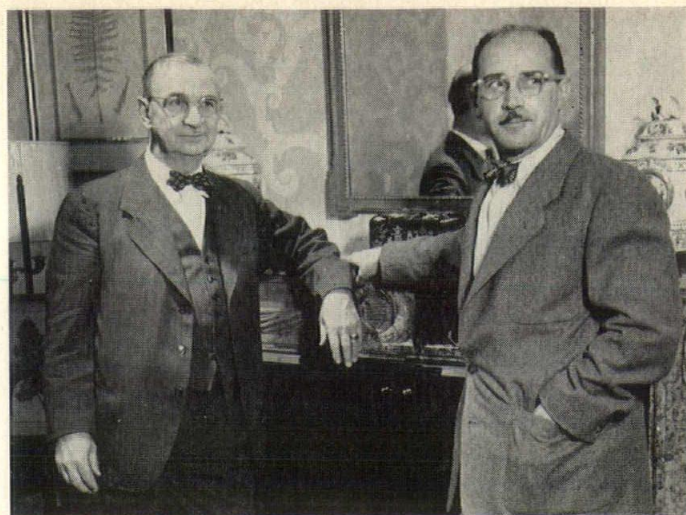
This most recent expansion at this location marks almost two decades of service for Irvin and Company. The company



This complete dining room done in Regency or American Federal furniture is again another complete room.

began in 1934 in a one-room store on the Square. Today they have the largest collection of fine interior furnishings between New York and Chicago, and have a national reputation for the excellent quality of their work. They list among their clients such Cleveland landmarks as the Society for Savings, the Country Club, Stouffers National Chain of Restaurants and many more.

A special room houses all the silver in glass display



Ray W. Irvin, President, Irvin & Co., Inc., with Gilbert L. Rossiter, Vice-President and General Mgr.

cases. Indirect lighting is used throughout the new store. Included in their line of porcelains are several pieces dating back to the 17th Century. Examples of this are a cup and saucer set from the collection of Baron Rothschild, and a rice bowl made for the Empress of Siam.

All types of furniture are on display — Modern, French Provincial, Chipendale, Victor-

(Turn to page 26)



A coramandle lacquered screen, over 150 years old, frames the game corner in the living room. Different colors lacquers are painted over each other and the design is cut into the wood. Each color represents a different layer. Jade and Quartz are used to highlight special designs.



Wm. B. Woods, associated with Regional office of the Department of Commerce, with Philip L. Small, architect, of Small, Smith & Reeb, Cleveland, Ohio.

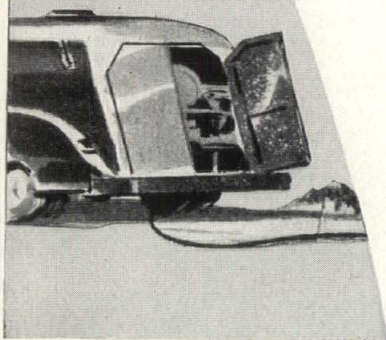


**Your best recommendation for  
dependable, automatic oil heat is**

# Sohio-Heat Service!

Sohio automatic oil heat service  
offers every advantage  
from assured delivery to clean,  
economical heat results.

And a season contract  
with Sohio-Heat takes  
care of every detail  
of supply and delivery  
throughout the season.



## CHECK THESE SOHIO-HEAT ADVANTAGES . . .

### ✓SOHIO-HEAT FUEL OILS . . .

Made from special "cuts" of select crude oil—Sohio-Heat Fuel Oils are refined especially for home heating—and are high in heating content, free of impurities and clean burning. With Sohio-Heat you are always assured of constant maximum heat value per dollar—and satisfactory, uninterrupted heating all winter long.

### ✓REGULATED DELIVERY . . .

There is no tank checking or fuel shortage for customers. Sohio makes each delivery on time. Thus . . . customers never need check their tanks or phone for oil. In rural areas a route supply system provides automatic supply for users. Regular deliveries are timed to replenish supply long before the tank is empty.

### ✓METER-REGISTERED DELIVERY SLIPS . . .

Most of Sohio's modern trucks are equipped with a meter-register that automatically records on printed slips how much oil goes into the tank. This extra service assures Sohio customers of full measure for their money . . . every time. Customer need not be at home to sign for delivery.

### ✓COURTEOUS, PROTECTIVE DELIVERY SERVICE . . .

Sohio's modern furnace oil delivery trucks are equipped with unusually long hose which in most instances permits delivery of oil from curb—added protection for driveways, lawns, shrubbery and curb. It's another service and convenience for Sohio fuel oil customers.

### ✓VENTALARM . . .

Ventalarms are installed free by Sohio for contract customers having inside tanks. This signal automatically tells the driver outside when oil reaches the "full" level in the tank. Sohio service man never enters the home. Customer need not stay home for deliveries. Ventalarm protects against waste through spillage and provides customers with full quantity.

## Sohio- Heat



The STANDARD OIL Co. (OHIO)



# A Message from Our President



CARL C. BRITSCH  
President, Architects Society of Ohio

## SPEAKING OF PUBLIC RELATIONS...

Did you know that *"The Ohio Architect"* is sent to over three thousand persons and organizations each month? To all registered Architects, to Legislators, County Officials, and Educators, throughout the state.

It is the one instrument through which the Ohio Architect may become vocal, through which he may disseminate information to the public as well as to his fellow practitioners.

This then should be of vital interest to every individual Architect in Ohio. For through this medium you may not only receive information, but you may give it. Have you thought of your membership in the Architects Society of Ohio from that point of view?

In the "American Artist" which comes to my desk each month, there is a question and answer page by Frederick Taubes, a prominent American painter and author, from which I gain inspiration and knowledge. It is quite possible that your perplexing question may find an answer in the book of experience of a fellow Architect. Send your questions to the Editor of the *Ohio Architect*. It will be published and you will have the answer. An exchange of ideas will be beneficial.

You have seen the publication of work of a fellow Architect and have perhaps asked yourself, "How does he get that?" *The Ohio Architect* is your opportunity if you will but send to the Editor, photographs of your

favorable project and the descriptive matter. You are helping the Public Relations Committee as well as yourself by sending in such information. These projects look good in print and it is an ethical method of getting publicity.

Chapter news may be dull reading to the public, but to the eleven hundred registered Architects in this state it may be quite interesting. Publication of your Chapter activities will surely stimulate other Chapters to action. News items of Chapter members are often read with appreciation by some Architect acquaintance across the state.

Do you have a word of constructive criticism, or a suggestion to offer your state Executive Committee? Send it in. Your Executive Committee can best represent the individual Architect in the framing of a statewide or national program if it has the advantage of your thinking.

George S. Voinovich, immediate past president of A.S.O. has been appointed Chairman of Public Relations Committee for the year. Seriously give action to some of the above requests. Help us to make the *"Ohio Architect"* the most informative and instructive professional magazine that comes to your desk.

Sincerely yours,  
CARL C. BRITSCH



## Philadelphia Building New \$4,500,000 Terminal at Airport

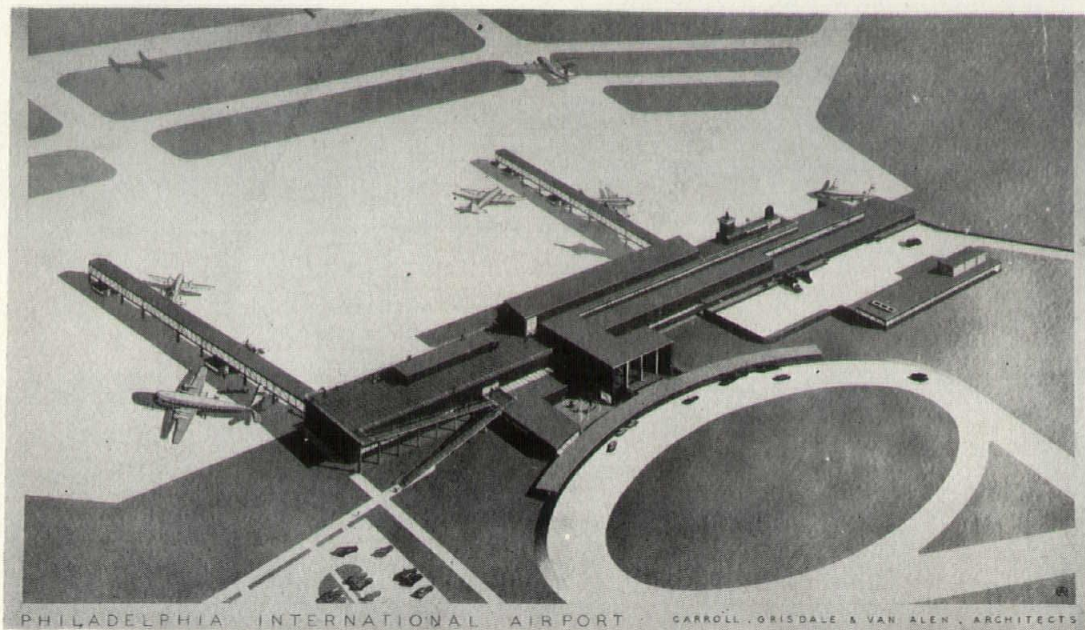
The new \$4,500,000 terminal building being constructed at Philadelphia's International Airport will help make the facilities of air-borne transportation at "Penn's

Greene Countrie Towne" among the best in the world.

The new building will utilize a "finger" type of construction. The "fingers" are the passenger ramps that extend out from the main building. The initial construction, which is scheduled for completion in 1952, will have two "fingers" with berths for 17 planes.

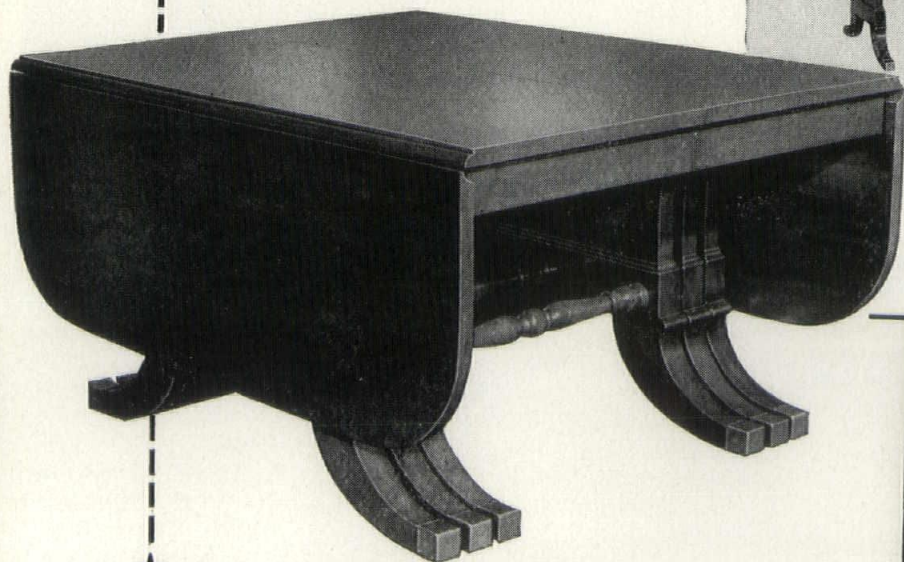
J. Roy Carroll, of the architectural firm of Carroll, Grisdale, and Van Alen, who designed the building, claims that more "fingers" can be added as needed.

The terminal building will be placed with its exits approximately east-west. It will be located in the center of the new runway pattern. This is a much more favorable site for economic operation of the airport than the location of the present terminal building.



PHILADELPHIA INTERNATIONAL AIRPORT CARROLL, GRISDALE & VAN ALLEN, ARCHITECTS

## We Go to Columbus for Our 1951 Convention



A big corporation needed a conference-room table that could be small enough to go unnoticed, yet large enough to seat thirty executives, or any size group in between. They called on Irvin and Company to consult with their architect. The answer—a table that grows from four feet to sixteen feet. A suspension bridge, styled and crafted in walnut.

Whether it be for a home, office, or club, Irvin's years of experience in the art of designing and producing fine furniture, fabrics, carpets and complete rooms can serve you.

★  
The table that grows

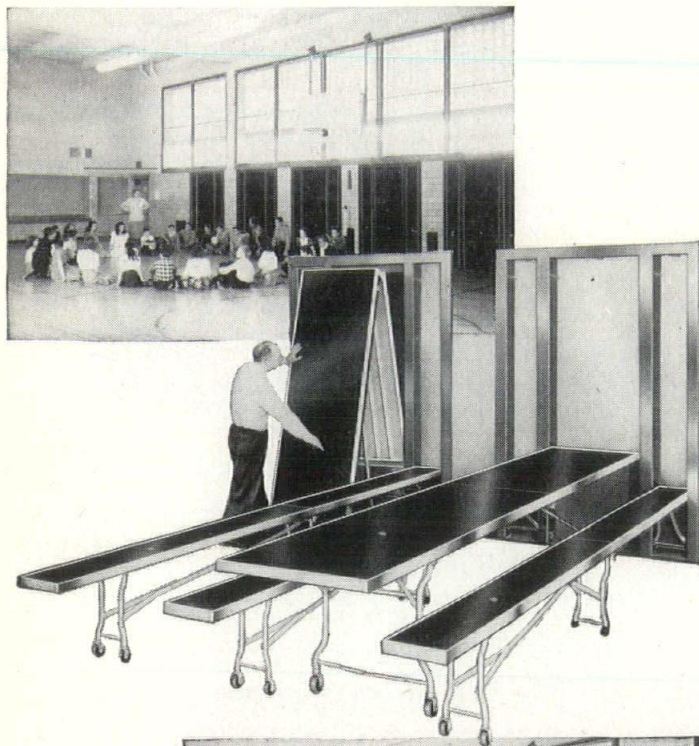
IRVIN *and*  
COMPANY  
INCORPORATED

INTERIOR  
DECORATIONS

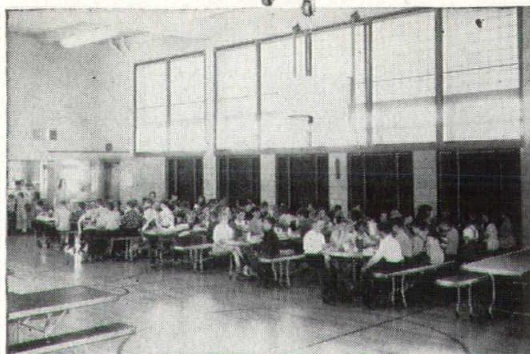
Shaker Square  
CLEVELAND, OHIO



# a lot can happen in 8 minutes!



Tables and benches for 200 can be rolled down from wall in 8 minutes.



## Complete conversion activities room to lunchroom without interrupting schedule

Modern thinking in school design dictates multiple use of space. IN-WALL units eliminate the need of separate lunchrooms, seat more students in less space, contribute to better lunch hour discipline.

### SCHIEBER MANUFACTURING CO.

12740 Burt Road, Detroit 23, Michigan

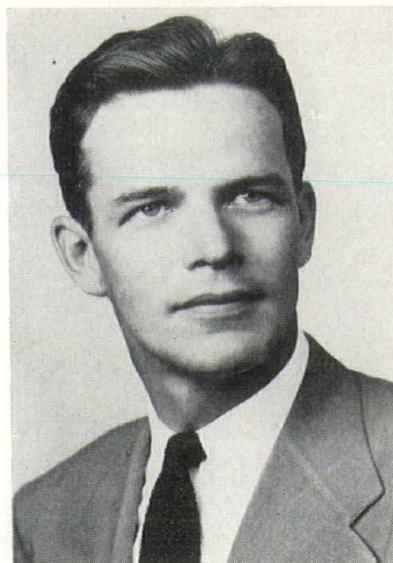
## In-wall OHIO REPRESENTATIVES

Against-the-wall units for existing structures, with pockets that protrude only 7" from the wall, can be installed without building alteration.

WM. S. IBOLD & CO.  
626 Broadway, Cincinnati 2  
ADAM LOOS CO.  
145 So. Erie St., Toledo 2  
TRI-STATE SUPPLY CO.  
1119 Citizens Bldg., Cleveland  
TRI-STATE SUPPLY CO.  
1764 Andover Road, Columbus  
RUNNELS BUILDERS PRODUCTS  
306 Randolph St., Richmond, Ind.

## MID-CENTURY PRODUCTS PARADE

(Continued from page 7)



**RICHARD H. MANSFIELD**  
President  
Cleveland Chapter, Producers' Council

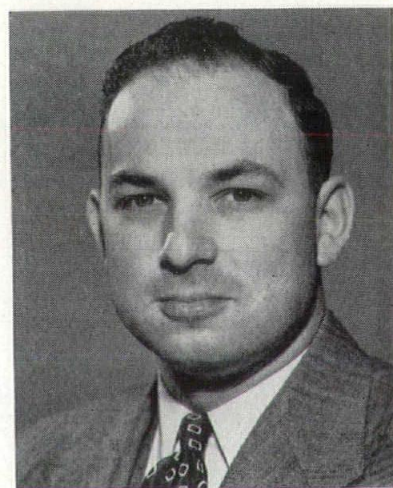
### PANEL NO. 4 "Classroom Lighting and Equipment"

This panel is based upon the physiological and psychological consideration of light and seating, not as separate entities but rather as cooperating agents to provide the proper physical and possibilities for improved social, emotional, mental, and physical environment in the Classroom of tomorrow.

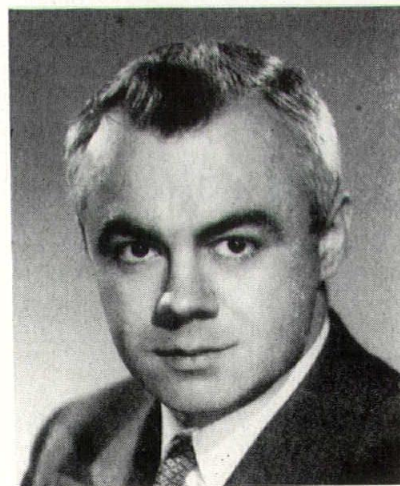
Participants —  
American Structural  
Products Co. Sub-

cribes in dramatic style three startling new methods of fastening building products together quickly, accurately, and at lower cost.

Participants — Nelson Stud Welding Division of Morton Gregory Corp. Subject: "Electric Arc-Weld Studs and Other Fasteners to Steel." Miracle Adhesives Corp. Subject: "Construction by Adhesion." Stemco Corp.—Subject: "The Ramset Fastening System For Steel, Wood, Concrete, and Brick."



**ROBERT V. MAIN**  
Vice President  
Cleveland Chapter, Producers' Council



**LAURENCE GIBSON**  
Treasurer  
Cleveland Chapter, Producers' Council

ject: "Light-directing Glass Blocks." F. W. Wakefield Brass Co. Subject: "Lighting Fixtures." American Seating Co. Subject: "Classroom Furniture."

These panels have proven themselves highly interesting to groups of architects all over the country. It has been found that interest is heightened when several companies explore all aspects of a problem, each from the angle of its own interests.



## Joint Committee...Architects Society of Ohio and Ohio Society of Professional Engineers

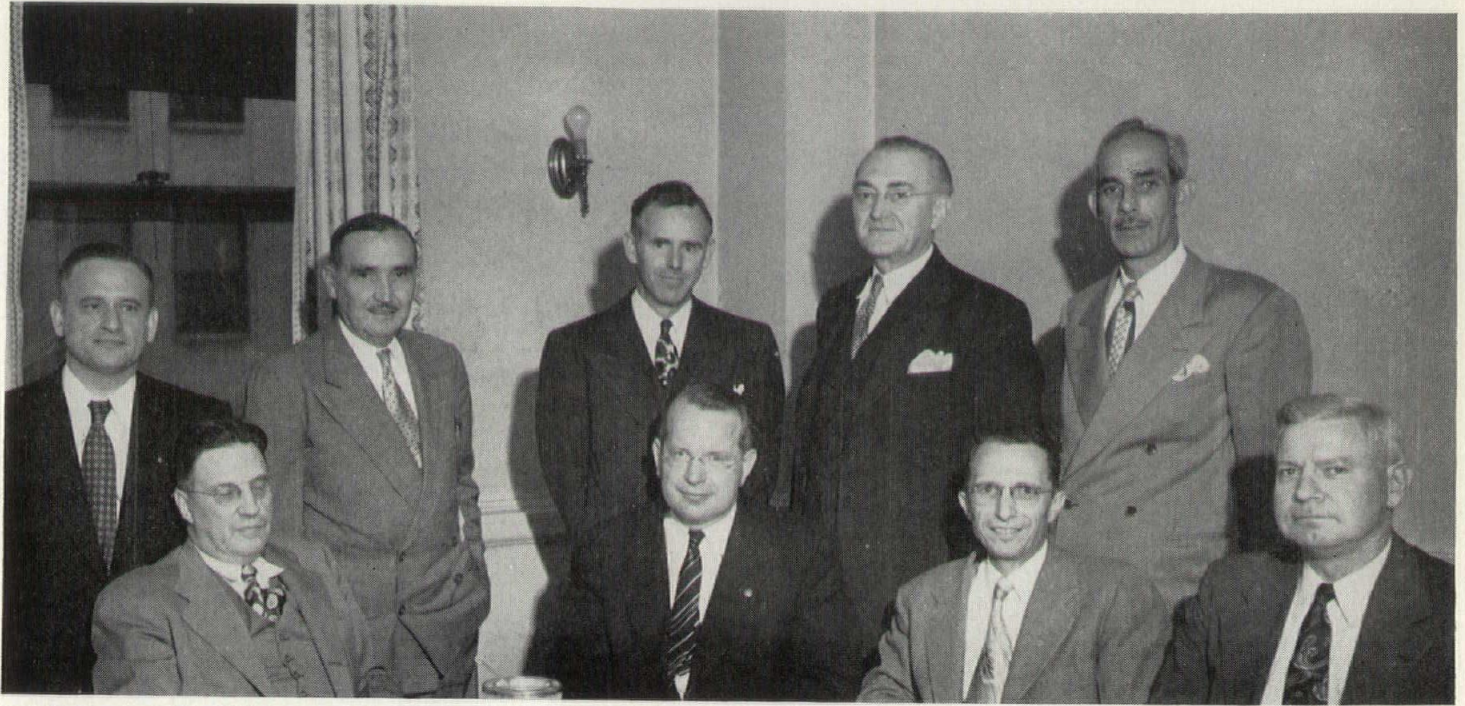
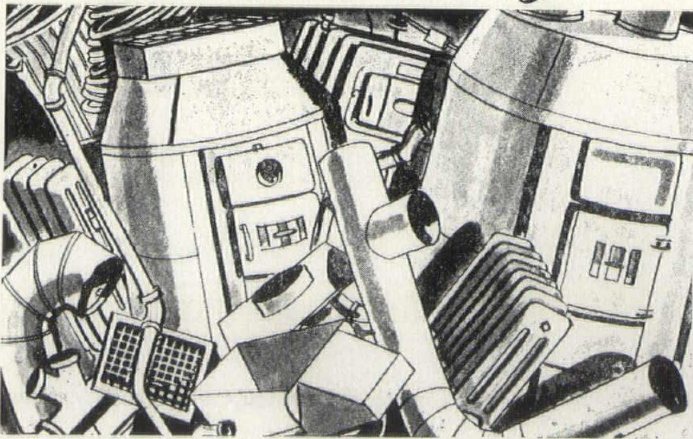


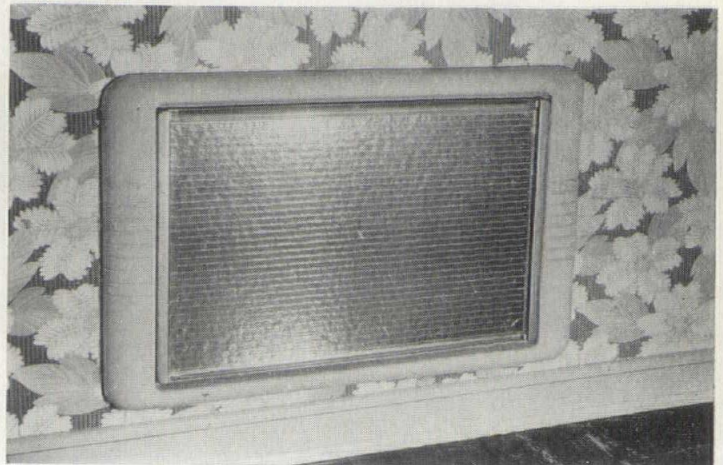
Photo taken at meeting held in Deshler-Wallick Hotel, Columbus, Ohio October 6, 1950. Seated left to right: Edward Larson, V. P., O.S.P.E.; John Hargrave, Third Vice Pres., A.S.O.; Lloyd S. Chacey, Executive Secretary, O.S.P.E.; John J. Heier, P.P., O.S.P.E. Standing: George S. Voinovich, Past President, A.S.O.; Ralph C. Kempton, Exec. Sec. of State Board of Examiners of Architects; C. Curtis Inscho, Past President, A.S.O.; Carl C. Britich, President, A.S.O.; George Clark, President, O.S.P.E.

## We Go to Columbus for Our 1951 Convention

### RADIANT *Glassheat* — INSTALL IT...SET IT...FORGET IT



Here at last is a heating system that is capable of giving your customers real body comfort. Something they have dreamed of—no danger of fire or explosion—no dust or dirt—a thermostat in each room—clean, healthful infra-red rays. Every home, you as an architect design, is somebody's dream home. Don't take the chance of it becoming someone's nightmare caused by fire. Help to make it safe by specifying GLASSHEAT—for no heating system is safer.



#### The system that makes furnaces and boilers museum pieces!

Information concerning GLASSHEAT can be obtained by writing our home office in Akron, Ohio.

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- Economical to Install!
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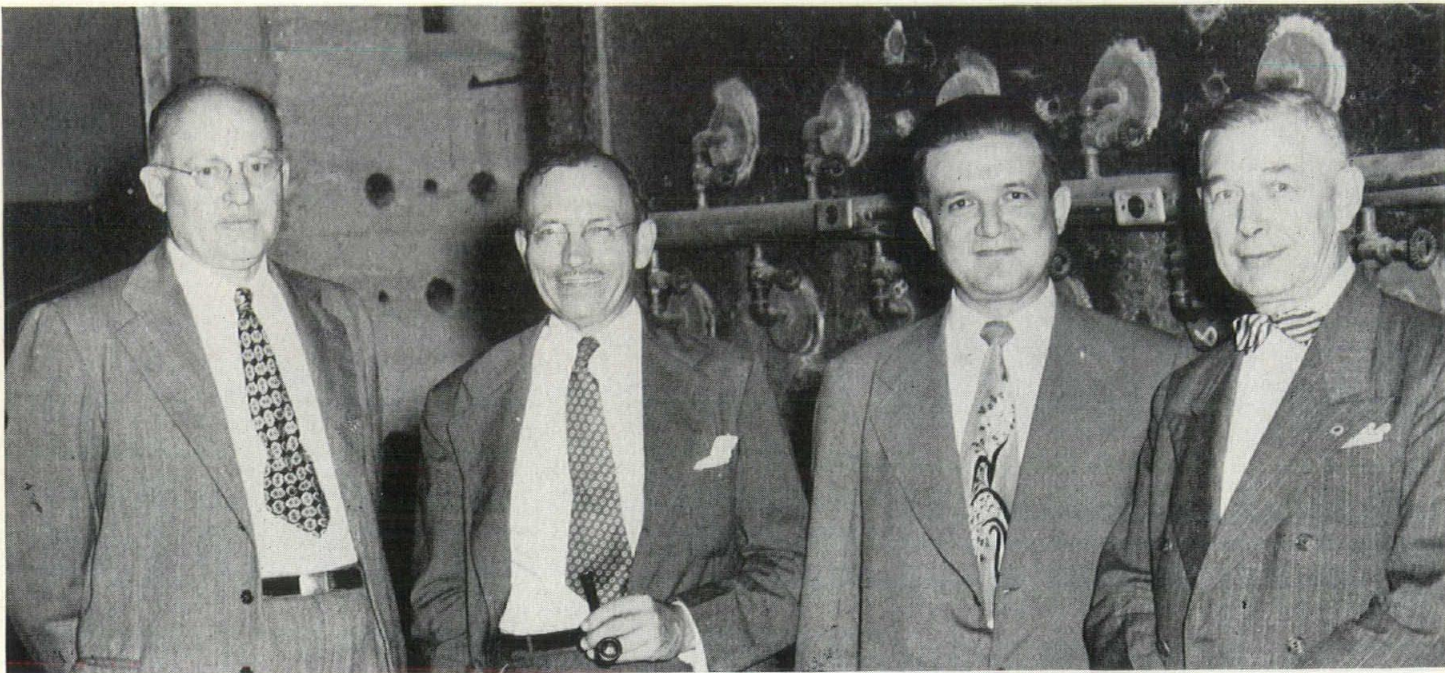
**THE OHIO RADIANT GLASS HEAT CORP.** 5 E. BUCHTEL BLDG., AKRON, OHIO  
Phones: BL. 9818 and BL. 7105



# Cleveland Building Officials Study Fire Test

Four Cleveland building officials were among the host of witnesses from all parts of the nation at a fire test conducted September 13 at the Underwriters' Laboratories, Inc., Chicago, Ill., for the Vermiculite Institute.

The Cleveland officials present were William D. Guion, Building Commissioner; Joseph Maver, City Plan Examiner; and Howard F. Horn, Partner, Architectural Concern of Walker & Weeks, Architects, Chairman, Board of Building Standards and Building Appeals, City of Cleveland Building Code; William D. Guion, Building Commissioner, City of Cleveland.



Cleveland building officials shown at a recent fire test at Underwriters' Laboratories, Inc., Chicago, conducted for the Vermiculite Institute are, left to right, Malcom Douglas, Secretary, Board of Building Standards and Building Appeals, City of Cleveland Building Code; Howard F. Horn, Partner, Architectural Concern of Walker & Weeks, Architects, Chairman, Board of Building Standards and Building Appeals, City of Cleveland Building Code; Joseph Maver, Plan Examiner, City of Cleveland and William D. Guion, Building Commissioner, City of Cleveland.

*And Now... a New Use for*



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PERMANENT COLOR  
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EXTREMELY LOW  
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## WESTERN STOVE INTRODUCES AUTOMATIC CUSTOM BUILT-IN GAS COOKING UNITS

Those women who have sighed with envy over custom-built cooking equipment but whose budget couldn't quite manage the price need envy no longer. Now every homemaker can buy built-in gas range cooking units at not much more than the price of a standard automatic gas range.

The World Premiere of automatic Custom Built-In gas cooking units is being held by the Western Stove Company this week at Atlantic City during the Annual Convention for the American Gas Association and the Gas Appliance Manufacturers Association.

These new automatic gas cooking units can be placed at any height or any location most convenient to the modern homemaker. Whether the homemaker is five feet two or six feet one, she may have her cooking equipment located to suit her individual needs as well as her fancy.

The extra large automatic gas oven, the smokeless pull-out broiler unit can be installed at waist height or lower, as the homemaker's height demands.

The top burner cooking units may be installed in any part of the kitchen, not necessarily next to the oven or broiler, and at the location which saves most steps and time.

Oven and broiler units of stainless steel, white or pastel-colored porcelain include a convenient control panel. Two clocks turn the gas on or off automatically for both broiler or oven, even though the cook is out of the kitchen. A porthole window in the gas oven allows the homemaker a quick check of what's cooking inside and the smokeless broiler pulls out like a drawer.

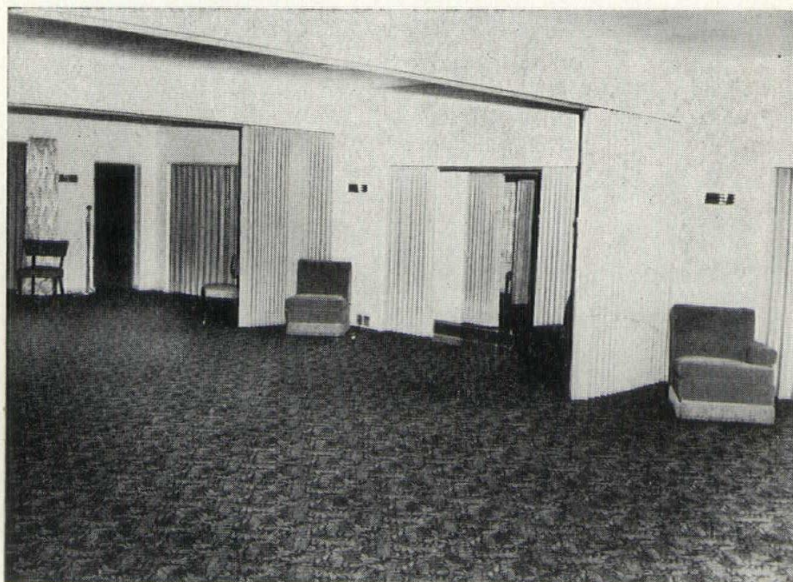
Top burner cooking units, available in two, four,



Custom-built cooking units installed in a pine-paneled kitchen by Western (Holly) Stove Company, of California, are creating interest. The automatic gas oven and the pull-out broiler can be installed to suit the homemaker. The top burner cooking units, automatically controlled by a clock the same way as the oven unit, may go any place, any height. Decorator-color porcelain or stainless-steel range tops are changeable to harmonize with kitchen color schemes. One can even have a television screen or radio installed in the high splash board of the range.

six or eight-burner groups are set in stainless steel, white or pastel-colored porcelain tops—as desired. All controls are within easy reach grouped together in front of the burners. Tempa-Plates—attractive flat discs raised above the flame, hold any size pan without tilting and provide perfect heat distribution and easy cleaning.

(Continued on page 26)



MODERNFOLD Doors as used in a Funeral Home

## MODERNFOLD DOORS • WALLS

SPECIFIED BY LEADING ARCHITECTS

### Some Installations

MALLORY MEMORIAL HOME, Garrettsville  
Architect—Harold H. Hunter, Warren

GOLUBSKI FUNERAL HOME, Cleveland  
Architects—Metzer & Wills, Cleveland

WALKER-WENNER FUNERAL HOME, Toledo

WELLER-WONDERLY FUNERAL HOME, Fremont

### Exclusive Installing Distributors

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**MODERNFOLD DOOR CO.**

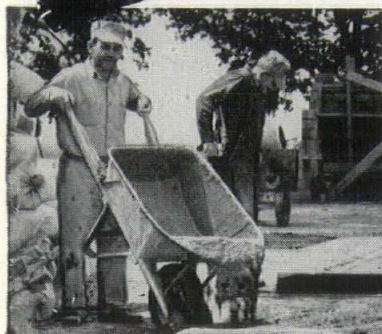
67 N. Washington St.

COLUMBUS, OHIO

FL. 2347

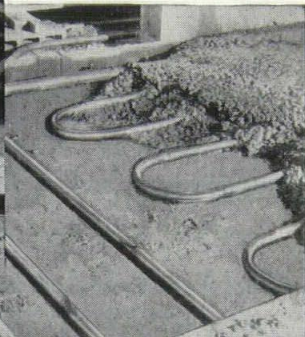


# WARM DRY ON-THE-GROUND CONCRETE FLOORS



(Above)  
Pouring a regular Zonolite  
concrete floor.

(Below)  
Details of radiant heat  
installation with Zonolite  
concrete.



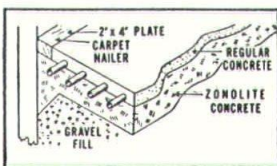
## ZONOLITE\* Self-Insulating Floors

- ✓ Prevent Condensation! ✓ Block Heat Loss!
- ✓ Minimize Heat Lag!

No more problems with cold, clammy on-the-ground floors when Zonolite vermiculite replaces the usual sand and gravel in concrete. Self-insulating Zonolite concrete floors prevent condensation—block loss of heat into the earth, and by minimizing heat lag, permit more accurate and immediate response to thermostatic control.

These natural qualities make Zonolite concrete an ideal base for radiant heat pipes. As much as 17.5° difference in soil temperatures has been noted beneath a non-insulated concrete slab and a slab of Zonolite concrete—proof of Zonolite's ability to keep heat in.

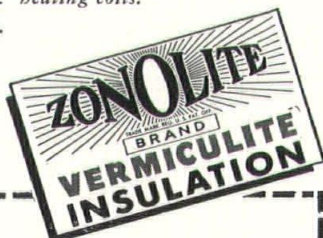
Construction details and other data on various applications of Zonolite concrete are available without cost to architects and builders. Mail the coupon today.



Typical use of Zonolite insulating concrete with radiant heating coils.

### ZONOLITE COMPANY

14300 Henn Ave.  
Dearborn, Mich.



Zonolite Co., Dept. OA-11  
14300 Henn Ave., Dearborn, Mich.

Mail me free information on applications of Zonolite concrete for on-the-ground floors.

Name.....

Address.....

City.....State.....

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## ATTENTION!—CHAPTER PRESIDENTS

Note: Number 1 on the agenda for your next meeting.

In a recent interview with Mr. Edwin S. Burdell, Chairman of the D.I.D. Survey Commission, he informed us that the returns of the questionnaires was close to the 50% mark, which as surveys go, seems pretty good for an average.

However, architects are not average people as it takes more than average ability to be an architect, so we must do better than just the average. It takes not to exceed 30 minutes to fill out this four page form and get it on the way to where it can do some good. A lot of good money, some of it was yours at one time, is being expended to produce some facts and information that will be of immeasurable value to every architect in the United States.

In these many, many days of trials and travail every architect should exercise that Scotch technique that is nurtured at "Carnegie Tech" and try to get all that is possible of today's 60¢ (plus or minus depending upon whether you have been listening to the trumpeting of the elephants or the crowning of rooster) dollar. It is an obligation that you owe yourself—to mail this questionnaire in at once. Do not let that September 30th date worry you or be used as an alibi. DO THIS NOW.

## BERGMAN AND AVERY OF ZURN LECTURE AT WESTERN RESERVE UNIVERSITY

"Planning the Modern Public Wash Room" was the interesting and constructive subject of an invitational lecture class for the architectural students of Western Reserve University.

This lecture, conducted by Harold Bergman and assisted by Al Avery of the Harold Bergman Co., stressed the necessity of thorough public washroom planning at the development stage.

The reason for this, according to Mr. Bergman, hinges on the facts that modern installations of plumbing fixtures, water closets, lavatories and urinals, are of the wall type. That wall type fixtures require sturdy, efficient supports or carriers because most of today's commercial and institutional buildings have "curtain" or "dry-wall" partitions, which do not afford enough support for a wall type fixture.

The proper utilization of these "carriers" and their inherent cost saving and space saving characteristics depend on the overall planning of the building. This, in turn, must be considered in the early, or engineering stages of the project.

Carriers are rapidly revolutionizing the design of wash room facilities in that the walls themselves have nothing to do with the support of the fixtures. This allows a degree of flexibility previously thought to be mechanically impossible.

"The sanitary and esthetic features of wall type plumbing fixtures are so obvious that comparing them with the old fashioned floor type would be similar to a comparison of the horse and buggy of the gay nineties to our modern automobile," said Mr. Bergman in conclusion.

Al Avery brought the class to a close with a short discussion of drainage problems and their solutions.

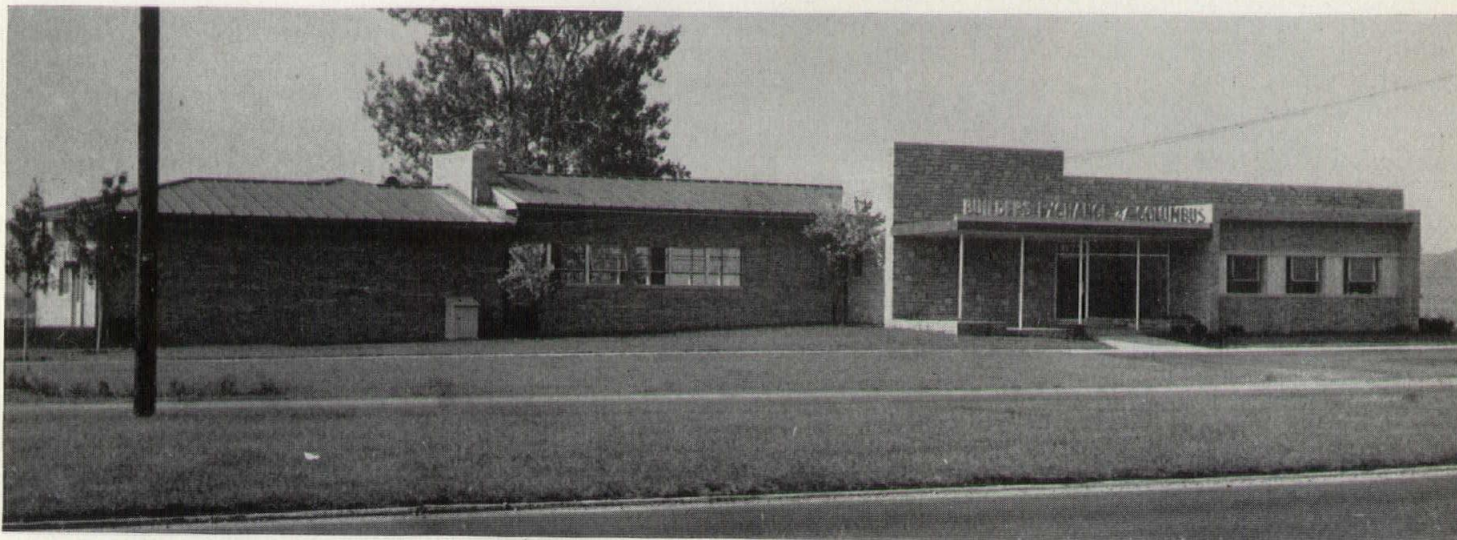
The lecture was given in connection with the class' current studies in plumbing and heating from a practical angle, and will be an annual feature of the course. This according to Carl Droppers, Assistant Dean of Western Reserve University Architectural School.



# New Columbus Builders Exchange Headquarters

The Columbus Builders Exchange moved into its new headquarters at 1175 Dublin Road on October 26, 1950. Along with a free dinner and refreshments, the opening was celebrated by addresses from Mayor James A. Rhodes, Chamber of Commerce President, James

The new building was designed by the local architectural firm of Inscho, Brand, and Inscho. Their plan is a frank statement of the major function of the organization: providing information on all the important building in Ohio. The plan room is directly accessible



Wilson, and Columbus A.I.A. Chapter President, Charles W. Cloud. Among those honored by a place on the speaker's platform was Mr. F. O. Schoedinger, one of the original signers of the Exchange charter in 1892 and president during the year of 1894. The Exchange celebrated its fiftieth birthday last October 13.

to the lobby from the front and to the parking lot from the rear. Circulation distractions in the lobby and lounge are screened by a Modern-fold door, which may be withdrawn on special occasions to convert the lounge, lobby, and plan room into an auditorium. The plan

(Continued on page 25)

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## IMPORTANCE OF NATURAL LIGHT PRIME FACTOR IN THIS NEW-TYPE SCHOOL ROOM

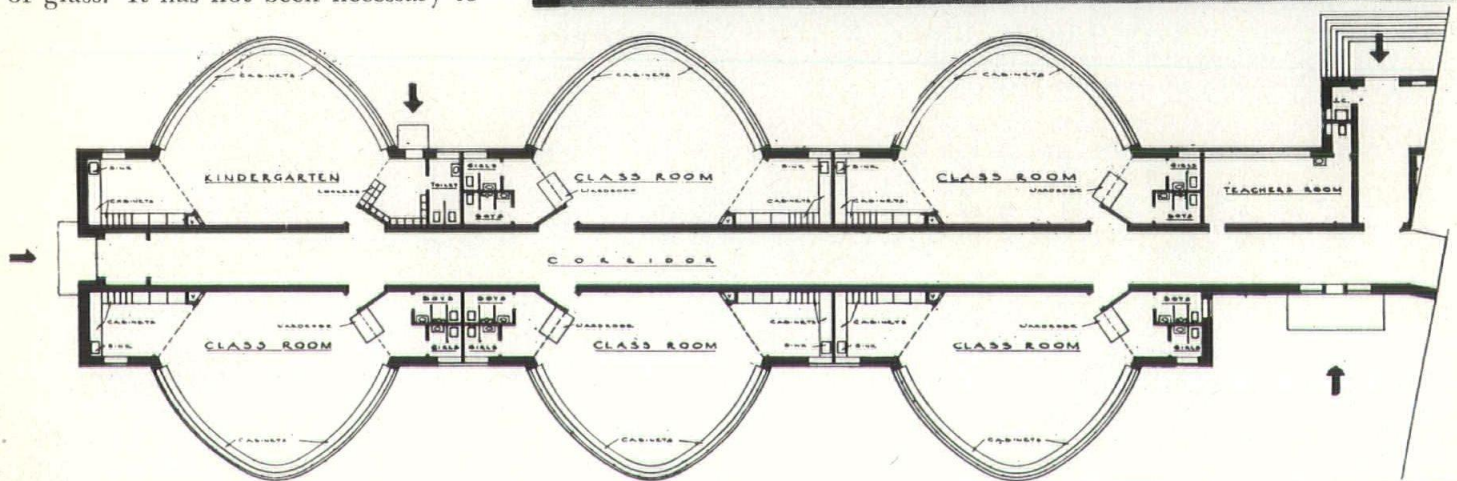
Mackenzie & Wigmore are architects of this new type class room in the Overlook Hills Elementary School in Philadelphia.

First consideration in the approach to planning an ideal class room was the importance of natural light. While it was recognized that these units are of an experimental nature, to form a basis for the future development of school plant facilities, it is felt that the distribution of light over the entire area of these parabolic rooms is much better than in any other scheme.

The shape also provides spaciousness that allows complete flexibility in that all parts of the room are useable. The arrangement of furniture is possible in different ways that may suit the purpose and convenience.

Occupants report that there is a complete lack of shadows on the work surfaces of desks, regardless of what positions they occupy, that the rooms are quite liveable and there is no glare from the large expanse of glass. It has not been necessary to

use the shades provided on the clear-glass windows during the winter months, although it is possible that they will be necessary in the summer.



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## CLEVELAND CHAPTER PRESENTS INTERNATIONAL DESIGNER

The Cleveland Chapter of A.I.A. will present as its speaker at their dinner meeting in the Allerton Hotel, Wednesday, November 15th. Serge Ivan Chermayeff, Russian born (but naturalized American since 1946) internationally known designer. A member of the Royal Institute of British Architects, Royal Society of Arts, American Institute of Architects, Modern Architecture Research Group (MARS) International Housing Association, International Congress Modern Architects (CIAM) and the American Society of Planners and Architects, Mr. Chermayeff will bring to the Cleveland Group a wealth of experience and information on modern planning and design. Speaking fluently in English, Russian, French and German, and an author many brochures and magazine articles he is exceptionally well qualified to address the Cleveland Chapter. Among his many honors are Scholarships at Harrow; Honors entrance Cambridge (not taken up because of war); Bronze, silver and gold medals, Royal Drawing Society; Yates Thompson Prizes, Harrow; Fellow Royal Institute of British Architects and Honorary Doctor Fine Arts, MacMurray College, Illinois. He has also given radio talks over B.B.C., Canadian B.B.C. and C.B.S.



Serge Ivan Chermayeff

Among his many honors are Scholarships at Harrow; Honors entrance Cambridge (not taken up because of war); Bronze, silver and gold medals, Royal Drawing Society; Yates Thompson Prizes, Harrow; Fellow Royal Institute of British Architects and Honorary Doctor Fine Arts, MacMurray College, Illinois. He has also given radio talks over B.B.C., Canadian B.B.C. and C.B.S.

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Front row, left to right: Wilbert C. Ronan, Professor of Arch; Charles E. MacQuigg, Dean of the College of Engineering; Elliot L. Whitaker, Director of the School of Architecture. Back row, left to right: Howard Dwight Smith, O.S. University Architect; Galen F. Oman, Research Professor of Architecture; Harry E. Phillian, Assistant Professor of Arch; Curtis N. Lindberg, Assistant Professor of Arch; Emil C. Fischer, Professor of Arch; George L. Tilley, Assistant Professor of Arch.

## COLUMBUS CHAPTER

The Columbus Chapter gave a dinner in honor of Mr. and Mrs. Elliott L. Whitaker, the new Director of the School of Architecture at Ohio State University at the University Club in Columbus on October 18th. Among the distinguished guests was Chas. E. McQuigg, Dean of the College of Engineering who assisted very materially in the establishing of this new school of Architecture. Following the dinner and introduction of guests, the new Director responded with a brief explanation of what the change means at Ohio State, supplementing his remarks with very illuminating charts. The University and the Chapter are to be congratulated upon having Director and Mrs. Whitaker as members of our professional circle and community. A more detailed story of what is happening on the campus at Ohio State will appear in an early issue of the *Ohio Architect*.

# PHILCO

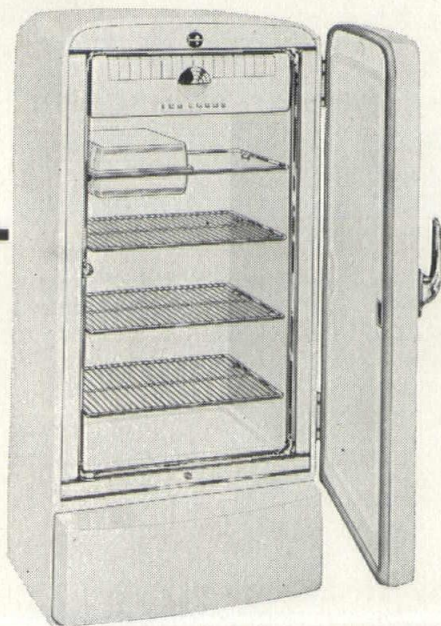
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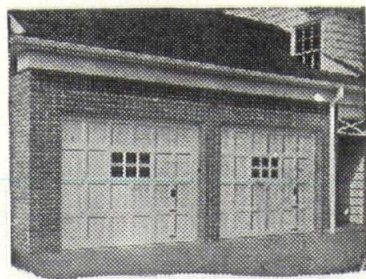
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## CONVENTION REMINISCENCES

(Continued from page 7)

allowed to offer any comment or rebuttal. President George V. did this inadvertently (\$64), so he says, as time was running out on a very good convention. Akron Huff had been checking into education matters. Britsch reports that we were going to try to see how good our present law is through the courts. The treasurer, Damon, must have been playing the stocks as he reported about the largest cash balance we have ever had. Secretary Hargrave gave a summarizing review of the last year's activities.

The Toledo architects turned out in a very loyal manner, and in order not to miss any individual a safe report would be to say the whole gang was on hand with their very attractive wives. The architect's ability to recognize and appreciate beauty is always favorably reflected by the feminine contingent at these state affairs.

Another innovation that can and no doubt will be repeated was the inclusion of the local professional engineers in the meetings and the annual banquet. And you know you could not distinguish the Engineers' wives. The trouble is we must always or at least we should call in the husbands to help us with our engineering. It would be a lot more fun to take Mrs. Engineer out to lunch.

Among the musts on an annual convention agenda is the election (?) of officers. This particular feature was not overlooked, but to call it an election is straying from the facts a little. Sure, that's the way it has been done for several years, but such one ticket procedure is going to catch up with us sometime, if it has not already. Five names are placed in the hopper by the chairman

(Continued on page 31)

At The  
Producers' Council  
MID-CENTURY PRODUCTS PARADE  
Hotel Statler, Cleveland December 12, 1950

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# CONSTRUCTION IN 1951

By HAROLD BERGMAN,

J. A. Zurn Mfg. Co., Past President Producers' Council

At the Producers' Council Presidents Meeting in New York in September, a panel discussion with this title was presented by five outstanding men connected with the building industry.

Mr. Miles L. Colean, noted Economist, acted as moderator. He said:

"Last year, in spite of an all-time record in the production of houses, as well as other types of construction, the industry was scolded because it had not produced a million-and-a-half houses instead of something over a million. This year, with something close to a million and-a-half units in sight, we are being scolded because we have started a speculative boom which is about to wreck the economy.



Harold Bergman

"A while back we were struggling with adjustments necessary to get us out from under a controlled economy. This year we are struggling with adjustments necessary to get us back into one. So, the outlook is certainly confused. I am glad we have such a

group of experts to help steer us into the future."

He then introduced Mr. Walter F. Hoadley, Jr., Economist for the Armstrong Cork Company, who followed with:

"I would suggest then that all of us, in industry and government as well, take a longer look at construction and not merely at 1951. I think that there is a very distinct possibility that we may at any time find ourselves in an all-out war. But I think it is very dangerous from an economic viewpoint to make an unqualified assumption that that will happen; that perhaps our planning might better be on the basis of a continuing incident and a prolonged armament race and, if that is true, then it seems to me we have to make provision in this country for a strong building materials and construction industry.

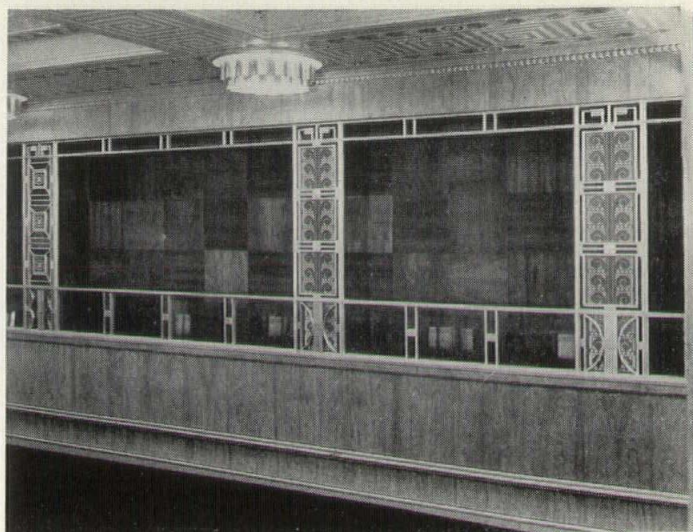
"I say that for two very definite reasons. First of all, we can't put our country in an economic strait-jacket labeled 1950 and expect to fight the Russians or anyone else at some time in the future when we are in 1950 and the calendar reads 1955. We have to have some further growth and that means we have to have a good deal of construction of one type or another. Secondly, I would say we have to protect—certainly under conditions short of all out war—the American Standard of living, and that means more housing.

"So, I would conclude with the observation that we have a situation in which our industry is vulnerable to sudden changes in public policy and also to changes in policy about which we know very little. I think 1951 can, and will be, in general, a good building year, but I think that it may very well get off to a slow start."

Next Mr. Colean introduced Mr. Clyde Shute of The F. W. Dodge Corporation. He added:

"We probably will have relatively few limitation

(Continued on page 24)



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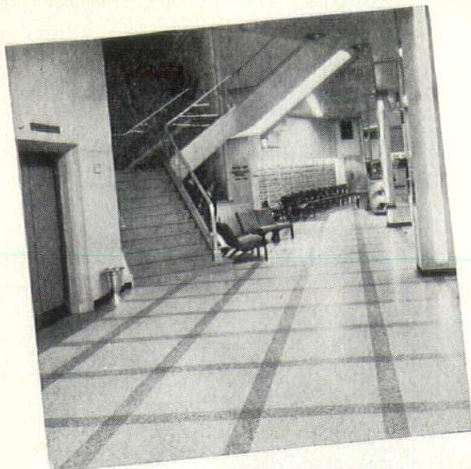
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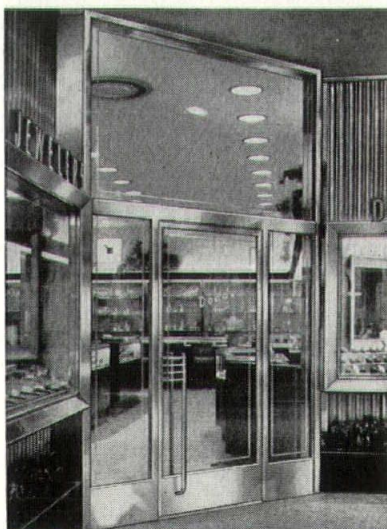
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orders—orders requiring a permit to do something. That is something I am not looking for until late in 1951, if then. Now, in view of these general assumptions, some of which may be negated in the very near future by actual governmental action, it seems reasonable at this time to make the following highly tentative conjectures regarding 1951 construction volume as compared with 1950: commercial building, even to down somewhat; industrial building, even to moderately up; other non-residential building possibly will show a greater drop than indicated for commercial; public works and utilities could hold about even; and residential building may be off around one-third.

"When we get all through, we may have about a one-fifth reduction in the total volume of construction. If that comes to be, we still will have, in 1951, the second largest volume year the industry has ever had, only exceeded by the current one. It will be in excess of '48 and in excess of '49."

Then Mr. John M. Dickerman of the National Association of Home Builders spoke and contributed the following:

"Before coming up here, I asked several experts what they thought we might produce in '51 and some of them said 600,000, some of them 650,000, 780,000 and on up to a million. If I were asked to make a purely personal guess, I might be willing to take a middle course and say around 800,000, or a little better perhaps.

"I think we probably have the capacity to produce up to a million units and still handle the military situation, assuming we don't get into further involvements. Whether we do or not will be largely dependent upon the kind of controls the government sees fit to impose upon us.

"In closing, I might say that again, the American home builder's business is providing homes and, if there is any way possible for him to continue his business, he is going to do so. He will seek through substitution materials, through the tailoring of his unit to fit current conditions, and in every way his native ingenuity may suggest, to keep doing the thing he knows best how to do. That natural business drive, I think, will continue within the limits imposed upon him by government regulations. So, as builders in 1951, I think we can look forward to a difficult, but a busy year."

Finally, Dr. Edwin G. Nourse spoke about our present emergency and its relation to the building industry. He concludes with:

"I think the problem which confronts us between now and the time the 82nd Congress convenes again is for the American public to get off the hysteria created by the Korean episode and to get a coldly calculated scaling of the kind of world obligation which they want to undertake in the ten year stretch ahead and that they can sensibly adjust to the sustaining power of the democratic economy and face frankly the burdens which that entails at various places; then plug for a system, which makes the most equitable distribution of those burdens possible.

"I think the message which I hope will be carried back by Congress will be two-fold in character. First, that we are ready to carry our proportion of burdens in this situation. Second, that we are not willing to see extravagant and hasty, ill-considered expansion of our obligations—of the burden of expenditure, of staffing, of hoarding of manpower, of hoarding of materials by the government, etc., or of entering casually into commitments in all parts of the world which are not proportioned to the ability of this country to carry; the cutting

(Continued on page 30)



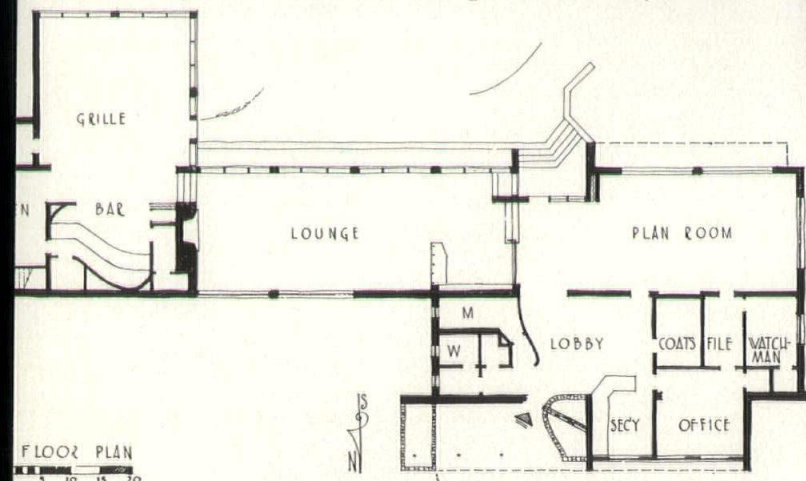
## NEW COLUMBUS BUILDER'S EXCHANGE

(Continued from page 19)

room seats twenty-five, has asphalt tile flooring, and a drinking fountain. Natural light is supplemented with striking success by baffled fluorescent strips.

The lounge is three steps down from the lobby. The South wall is a continuous window, overlooking a planting box, the rear garden (future), and a lake belonging to a neighbor, the American Aggregates Corporation. The library corner is natural walnut, the fireplace brick, and the floor oak block.

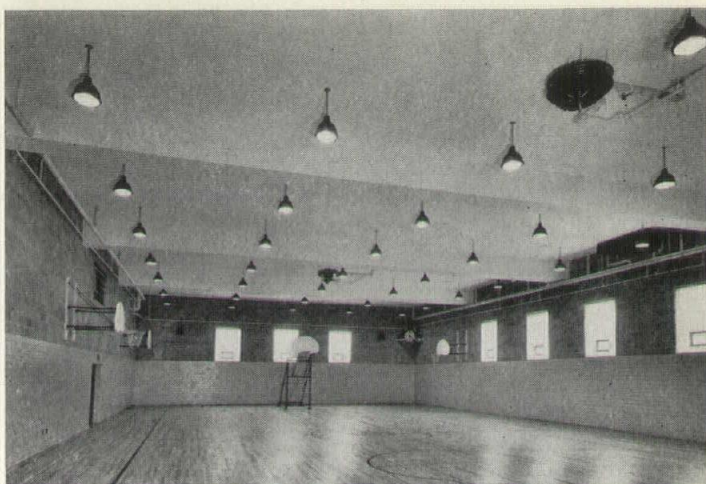
The curved bar, four steps down from the lounge, features a base covered with quilted plastic, spot lights recessed in the ceiling, a phone booth, and a men's room. Adjacent to the bar, the grille seats fifty at one



time, and overlooks the garden and the lake. The grille can be used for small meetings, since it is separated from the lounge and has an entrance directly from the parking area. Although operated by a concessionaire, the kitchen is permanently outfitted with stainless steel steam tables, a coffee urn, a gas range, and refrigerators.

The building is heated with radiant heat, hot water piped through the floor from a gas-fired boiler in the basement. The roof is copper. The shell of the building is Columbus limestone and suntan brick.

An easy three miles from the center of Columbus, the new headquarters has adequate parking for the more than five hundred sixty members, of which thirty-two are local architects.



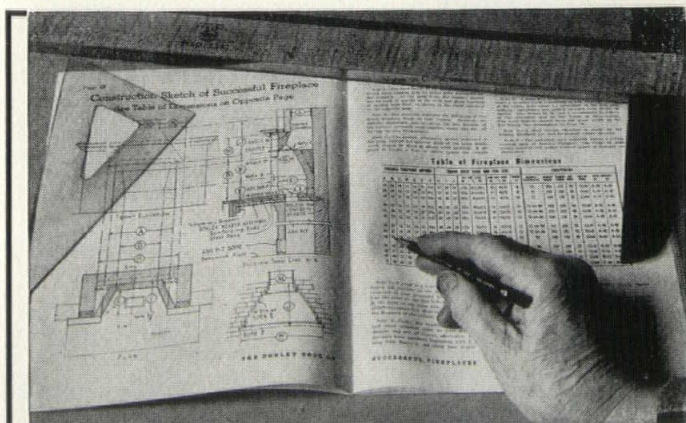
Gym, Merrick House Settlement — A Red Feather agency operated under Catholic auspices. Architect, Joseph A. Gattozzi. Ceiling of perforated mineral tile on gypsum board nailed to steel furring.

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## IRVIN DEMONSTRATES LATEST INTERIORS

(Continued from page 10)

ian, American Federal, in the widest range of beautiful woods and colorful fabrics.

This opening was not only of interest to the many Cleveland architects in attendance but will be to those from points distant.

Ray Irvin again demonstrated the fine quality of his work and his progressive nature of keeping abreast of the dominate interior design of these days.

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## CLEVELAND OFFICIALS VIEW FIRE TEST

(Continued from page 16)

tectural concern of Walker & Weeks, Architects, Chairman, and Malcomb Douglas, Secretary, Board of Building Standards and Building Appeals, City of Cleveland Building Code. Other cities represented at the test were New York, Detroit, Pittsburgh, Minneapolis and Milwaukee. Representatives of member companies of the Vermiculite Institute also were present.

Purpose of the test, as explained by Edward R. Murphy, Executive Secretary of the Vermiculite Institute, was to obtain a fire rating of significance with one-half inch of vermiculite acoustical plastic over five-eighths inch vermiculite-gypsum plaster on a suspended metal lath ceiling for protection of steel beam or girder supports and floor above. The only previous similar test for this purpose was conducted more than two years ago at which time a four hour rating was obtained by a ceiling composed of one-inch of vermiculite-gypsum plaster, including a standard white coat finish.

"If we could obtain a four hour rating with a combination of our acoustical plastic and vermiculite-gypsum base, with only one-eighth-inch additional thickness, then the use of these materials by architects would enable them to realize important cost savings in fireproof building construction, obtaining a high fire rating and an acoustical treatment having a coefficient of sound absorption of 0.65 in one operation," Murphy pointed out.

"As all the witnesses know, the test was run for 4 hours and 10 minutes at which time the furnace was shut off in order to conduct the hose-stream test on the construction, as required by the American Society for Testing Materials' standard fire test," Murphy said. He also pointed out that the test did not reach any of the end points of the standard test during the gruelling fire and water applications.

## WESTERN STOVE INTRODUCES NEW GAS RANGE

(Continued from page 17)

Supplementary units of automatic Custom Built-In Western Stove gas cooking units were also introduced at the gas industry's Convention at Atlantic City.

These, like the main burner units, are available in stainless steel, white or pastel-colored porcelain. One supplementary unit has a built-in griddle for hot cakes and fry top cooking, another includes two burners. The smaller cooking units may be installed on the service porch, the laundry room or patio to take care of auxiliary cooking.

Leading home economists attending the Convention believe that the sensational new gas cooking unit makes cooking easier and more enjoyable for today's homemakers.

We are indebted to Mr. H. E. Eckes, Publicity Director of the East Ohio Gas Company of Cleveland for this unusual picture and information on the new type gas range. He says it was the first time this has been shown and was rather used as a trial balloon. He says it was the sensation of the convention.

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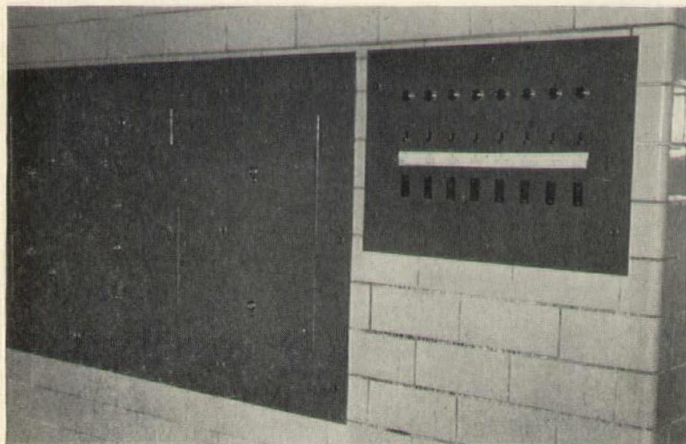
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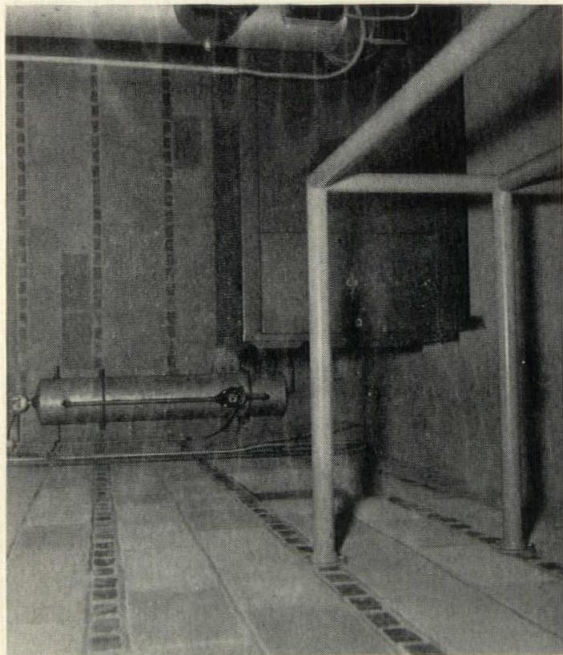


## NEW SCHOOL "GYM" (Continued from page 8)

addition at Western Reserve Academy. The Spohn Heating & Ventilating Co., of Cleveland and Akron, Ohio, along with Perfection Stove Company, and the architects and contractors, determined the size and number of heating units necessary, and the location of duct work for best results.



Superfex Furnaces are controlled for winter or summer operation at the panel board on the right, above.



This view of the "penthouse" atop the gymnasium shows one of the Superfex Suspended Furnaces which supplies heat to the huge new addition.

Eight Superfex oil-fired suspended furnaces, each of 200,000 B.t.u. capacity, were selected to do the job. Nowhere in the gymnasium or adjoining rooms, however, is there a furnace to be seen, because each heating unit is installed in its own 6 x 8 ft. fire-proof room—to meet the rigid requirements of the State of Ohio Building Code.

Four of the Superfex Furnaces, two of them located in rooms at the corners of the bleacher section, heat the huge auditorium. Two others heat the downstairs locker and shower room area, and another pair takes care of the heat needs on the second floor.

Each Model 550 Superfex is hung from structural steel beams. The rooms which house them have 8-inch thick walls, fire-proof doors, glazed tile interior and cinder block exterior.

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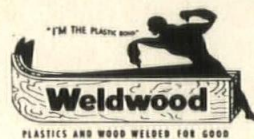


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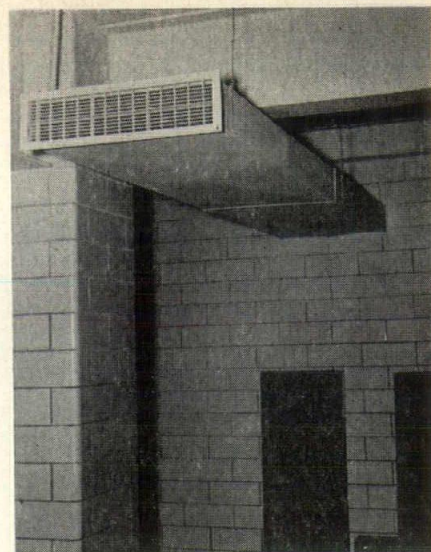
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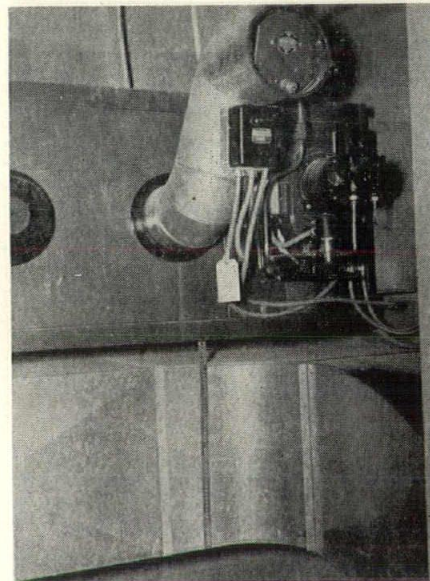
PRINTERS OF THE

## Ohio Architect

Spohn Heating and Ventilating, in collaboration with Perfection Stove Company, worked out a clever means of fueling each of the eight furnaces. A 10,000 gal. fuel oil tank is buried underground. Oil is pumped from this underground tank by an electrically - driven pump. There's also a stand-by pump for emergency use. The oil goes to a 30-gal. tank located in the "pent-house" atop the new gym-



Above is a Superfex Suspended oil-fired furnace, as seen through the doorway of its fire-proof room.



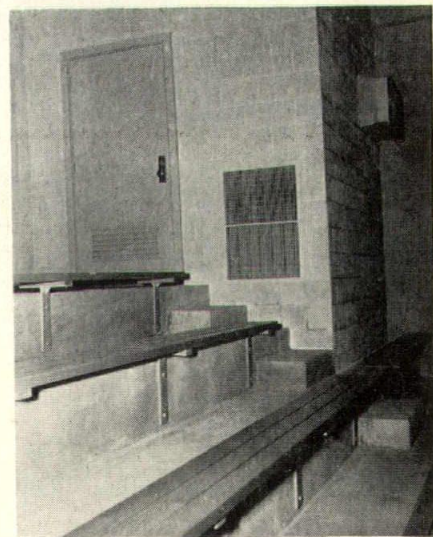
One of the few places in the new physical education plant where ductwork is visible—in the downstairs locker room area.

nasium. Copper tubing then delivers the number 2 fuel oil used to each of the eight heating units.

The Superfex installation has application for both winter and summer seasons. In the winter, it is a heating system. In the summer, with the heat turned off, the blowers may be operated for the circulation of cool air in the gymnasium or other rooms.

On a control panel, located in the central hall-

way, is a circuit breaker for each furnace. This has a summer - winter switch. On the winter position, the units operate normally, on command of the thermostat. On summer position the blowers operate on high speed while the burners are inoperative. To obviate the possibility of the blowers being left on by accident, a red light shows when the switch is on summer position.



Seen in one corner of the bleacher section is one of the fire-proof rooms which houses a Superfex Furnace.



From the standpoint of safety and appearance, as well as for its yearround use, Academy officials feel that they have wisely selected their heating system. As Mr. Russell E. Tilt, business manager, pointed out, there are no radiators or pipes which show, or which require shielding from players on the gym floor. Duct work, where it exists, is unobstructive—traveling along the walls, close to the ceiling.

The greatest amount of heat will necessarily have to be supplied to the locker room area. Heat for the gymnasium need only be turned up on Saturday afternoon during basketball games, and Saturday evenings, when movies are shown.

With the building of the new addition, Western Reserve Academy will now be able to provide quarters for visiting teams and their managers. The school also has plenty of room for spectators at basketball games and other indoor sports—something heretofore lacking.

The old gymnasium, where the Academy's big swimming pool is located, is being remodeled to be a match for the new addition. When the work is completed, Western Reserve will have one of the finest physical education plants in the country—an excellent starting point for boys who will someday be using the gym facilities of Harvard, Yale, Amherst, Duke, Dartmouth and other leading U. S. Colleges and Universities.

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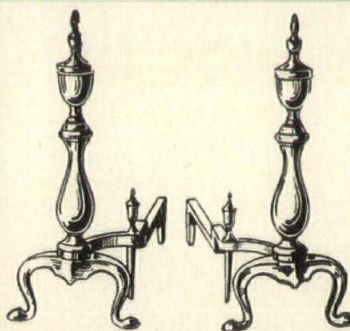


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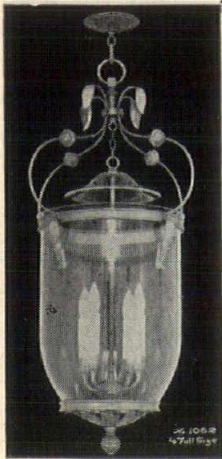
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## NEW CONSTRUCTION OUTLOOK FOR 1951

(Continued from page 9)

The dollar volume of work on new private dwelling units estimated for 1951 is based on 600,000 new dwelling units being started during the year. It appeared to be the consensus of the industry groups that the number of new housing units to be started next year could be expected to range between 400,000 and 600,000 under conditions set up by Regulation X. It was felt that, even if the regulation is relaxed in order to encourage a larger volume, it must be relaxed soon or the action will come too late to permit builders to revise their plans upward and to acquire additional land before the 1951 building season arrives.

The small table (bottom) shows the derivation of the estimates for private nonresidential building. It will be noted that the "carryover" of work from 1950 into 1951 on industrial and commercial buildings is expected to be quite large as a result of the high volume of contracts during recent months. The industry groups expressed the opinion that the volume of contracts for both industrial and commercial building will drop next year. It was their belief that the recent large volume of work placed under contract was "a flurry" in anticipation of possible controls and did not represent a definite trend that could be expected to continue next year. The estimates of value of work to be put in place next year are larger than the 1950 volume because of the "carryover" and not because of the assumed volume of contracts in 1951.

More exact information on the probable volume of public utility and of farm construction are being sought. These two elements of the construction activity series are handled differently from the other components. When additional information is obtained, the estimates for 1951 may be revised.

It should be emphasized that the estimates shown in the attached tables are not official forecasts of the Departments of Commerce and Labor. These agencies plan to discontinue publishing their periodic forecasts for the time being. The attached estimates may be used in any way that the cooperating industry advisers may see fit to use them, but they should not be attributed to the Departments of Commerce and Labor.

## BUILDING OUTLOOK FOR 1951

(Continued from page 24)

down of the burden and the willingness, the desire to have it scaled intelligently, but the willingness to bear it in equity with the different parts in the economy.

"We can push ourselves away from the 'there ought to be a law' philosophy to one of the forming of intelligent policies by a Congress and an Executive Branch which is responsive to an intelligent public opinion."

Generally, all opinions were of a favorable nature. Material difficulties to be sure, but a busy 1951 is predicted.



## CONVENTION REMINISCENCES

(Continued from page 22)

of the nominating committee—some one seconds these names collectively. Chair waits about five (5) seconds—some one moves nominations be closed—motion carried. Chair announces the slate elected. How long has it taken you to read this paragraph? That's more time than this election used. "Tain't right."

Gosh, we never expected that a banjo singer would make an A.S.O. program. Well, we were very pleasantly surprised and very highly entertained as were about 250 other musical experts following the dinner on Thursday evening. While our friend and architect, Banjoist Bob Schmertz from Pittsburgh did a fine job, the "par excellence" rating as a musician was no doubt enhanced by his architectural training and background. A part of the proceedings was a bit of Scotch (free) publicity for Carnegie Tech which has a good (yes that's correct) rating as a technical school, but has never claimed very many ribbons as a college of music.

As music or the desire to sing was in the minds of many, all that could gather in 1622 after the dinner took part in one of those genuine "Down-by-the-Old-Mill-Stream" sessions, aided and abetted by Said Banjoist Schmertz.

And here was one of the surprises of the evening when the President of the A.S.O., C.C.B., blossomed forth as a harmonicanist to aid Banjo Bob. The singers (?) included Engineer George W. Clarke, President of O.S.P.E. and his attractive wife, who (the wife) had a very extensive repertoire; quiet-reserved Hurd of Toledo was another surprise of the evening, who certainly knew his "ditties," Trav Walsh, baritone. George V. basso profundo, Mrs. Geo. V., Mrs. Pres. C. C. B., Mrs. Charles M., Neoma H., and many others contributed to the noise and din.

Space and time does not permit a full and adequate discription of the skit "An Architects Busy Day" by the Toledo Women's Committee. The incident portrayed with the dialogue were so true to character that it was difficult to believe how observing an architect's wife can be or perhaps they just have good memories and were able to report what they have been hearing for years, and years and years. You don't suppose Mrs. John K. was inadvertantly—(that word again) giving away any B. G. & R. secrets?

What there is about a "Truman Tie" we might findlater when we go to Cincinnati.

The McFadden's of Lorain seemed to be enjoying the dinner Thursday evening. Some other folks—Jim Crawfis of New Phila., Breting of Canton, Luxmore and Stevens of Akron, together with the Bostwicks of Youngs-

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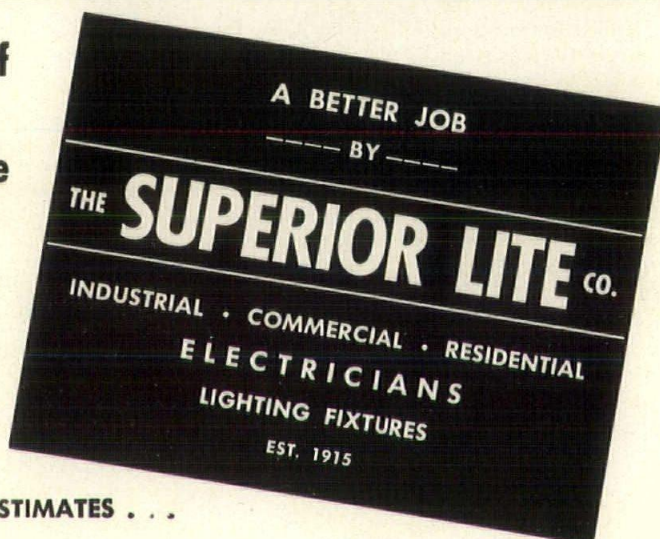
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## CONVENTION REMINISCENCES

(Continued from page 31)

town, the Zauggs of Mansfield, the Harmons and Snyders of Springfield and some neighbors down the road. Mr. and Mrs. Bob Alge from Findlay and J. K. Raney from Bowling Green did their bit by being on hand.

Any resemblance to names or places or the omission of the names of any prominent folks is entirely coincidental, and humble apology is hereby made. Of course if you were not in attendance at this convention your name could hardly be used. In that connection it is proper to say that there are a lot of names we would have liked to have been able to use. See you all in Columbus next year. "Bang" "Bang" "Bang."

## AT ALL TIME HIGH

The American Appraisal Co. construction index for September has risen five points, increasing at the rate of 1 per cent per month during the past quarter. The September index reached an all time high of 513, which is 9 points over Oct. '48 peak.

While there have been price increases for common brick and cement and other materials of minor importance, the greater portion of the rise for the year is attributed to the increases in lumber prices and labor costs, the company reported. Lumber prices at the mill have increased from \$5 to over \$20 per thousand since the first of the year.

The index applies to construction only and does not include factors for building fixtures and decorations. The index figures are based upon "100," representing 1913 costs.



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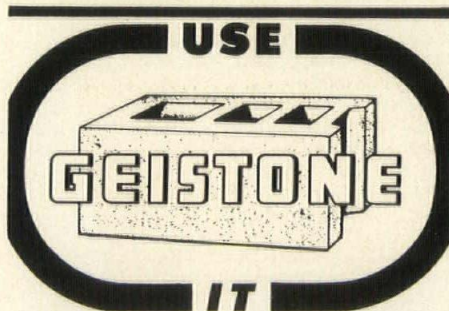
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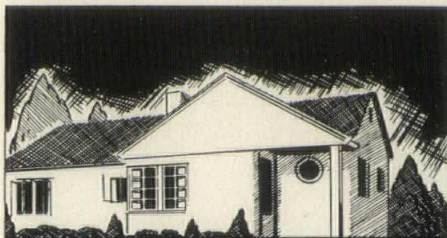
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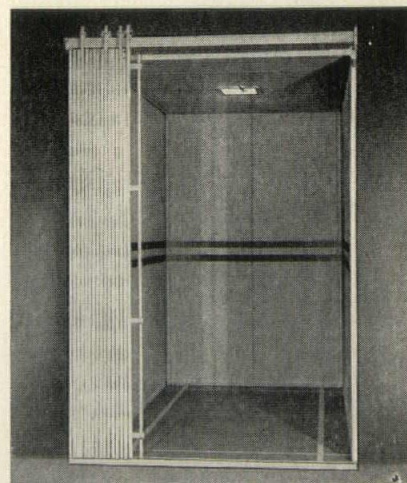


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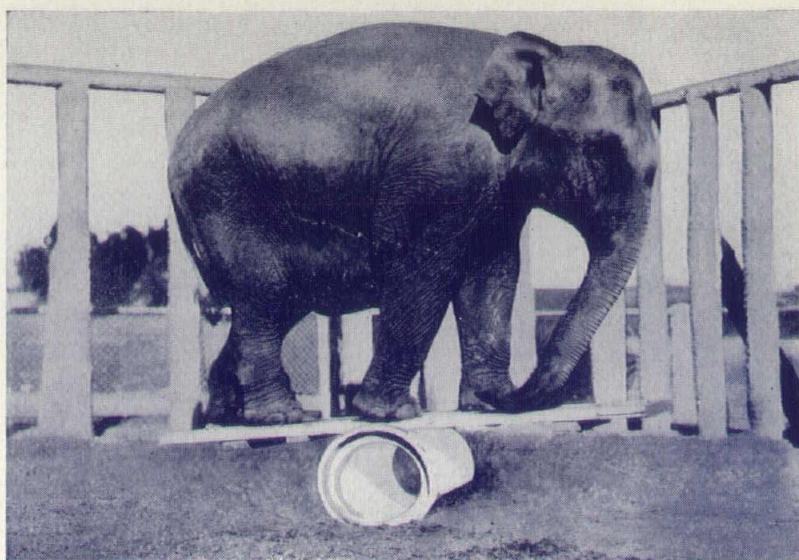
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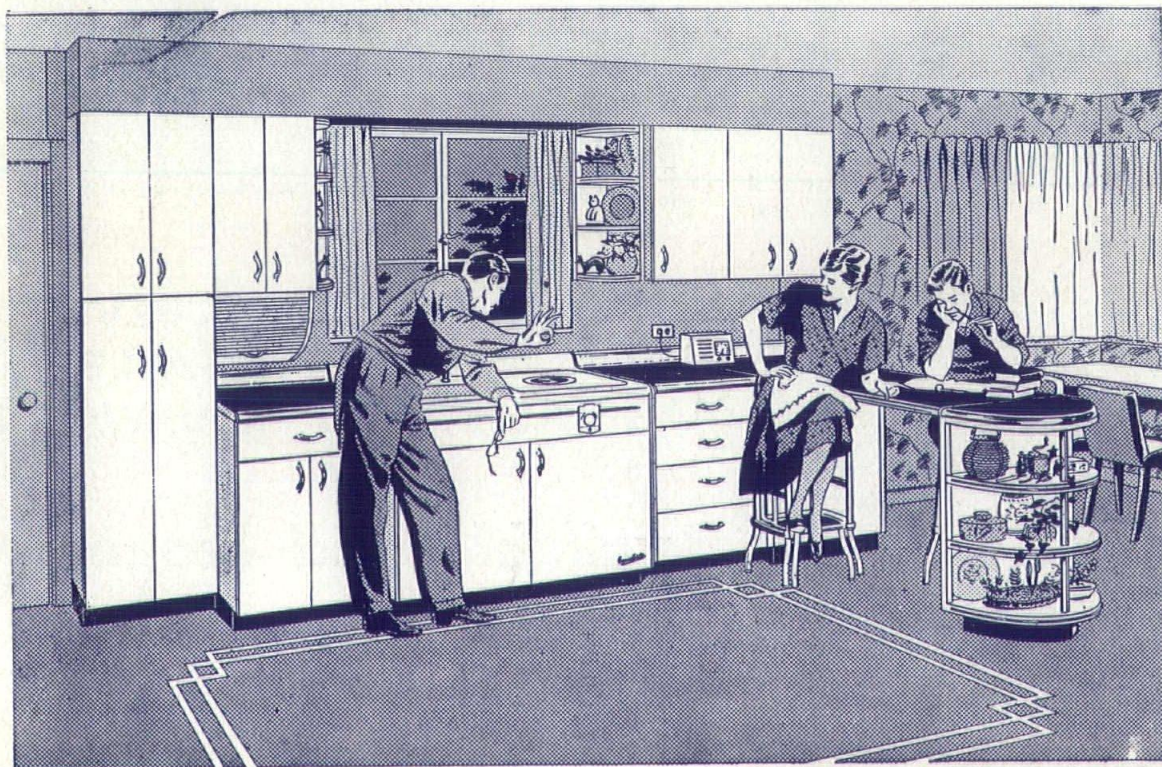
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