ALL ELEVATORS TO HAVE “BRAINS”

Since the introduction of push button control elevators for residential use some forty years ago, there has been a considerable demand for similar full automatic control adaptable to a wide range of freight and passenger services. Such advanced performance as signal control and collective control have in part supplied this demand. Automatic operation for a restricted range of freight service has likewise been furnished.

But the broader fields of elevator application have until now been entirely shut off from the obvious benefits of recent invention. First, high cost common to any highly developed mechanical specialty, or in the case of elevators, a group of these; second, a mechanical gap until recently unbridged. But ths latter condition applied principally to low-speed geared machines with speeds of 250 feet per minute and up and of which there are thousands upon thousands in use. Heretofore it has been impractical to add all of the features of full automatic control to such drives. The only way around was replacement. This was frequently impractical from an economic standpoint. The result was stagnation and diminishing return for any building so equipped.

Stagnation in the vertical transportation artery through which flows the very life-blood of a building must eventually result in stagnation of the building as a whole. Its desirability diminishes as a tenant location as it becomes outdated by newer competitive buildings. This applies equally to all types of structures—apartments, hotels, office, lofts and industrial buildings.

In view of these facts the current announcement by Otis Elevator Company that henceforth Finger-Tip Control would serve as a universal standard for new installations and also modernization projects must be considered by the professions engaged in the planning, construction and operation of buildings as news of ranking importance. For this means that in one great forward step Otis has cut the cords of restriction which heretofore have bound a majority of elevators throughout the country from giving the same standard of service excellence which the best of modern skyscrapers enjoy.

Finger-Tip Control, as defined by Otis and as applied to seven distinct types of service, eliminates the human element so far as controlling any service is concerned. It does not necessarily imply abolition of the car operator but it definitely changes his status. It means that the sure, swift response of machines to the simple touch of buttons replaces the numerous uncertainties indelibly associated with car-switch control. The seven types of service for which Otis provides Finger-Tip Control are as follows:

Architects’ Luncheon
INTERCOLLEGIATE ALUMNI CLUB
13th Floor, Penobscot Building
Tuesday, July 7th, 12:30 p.m.

Passenger
1. Signal Control
2. Collective Control
3. Single Call Control

Freight
1. Signal Control
2. Collective Control
3. Single Call Control
4. Double Button and Dualite Control

The first three types of passenger and freight as listed above coincide, although there are of course variations in mechanical details to provide the specialized requirements of each. The architect is of course already familiar with the variations of passenger service and also with Single (Continued on Page 3)
The Issue

The full cooperation of the Detroit School System will be given to the Builders' and Traders' Exchange and to other organizations of the construction industry which join in on the contemplated program of training apprentices in the building trades.

The next meeting of the Board of Directors of the Exchange will continue this subject from the last meeting and a representative of the school system will be present. The next step will be the formation of an industry committee of approximately five men to arrange the program.

Some time ago in this bulletin we stated that the training of apprentices is the most important problem for us in the industry to tackle.

Further investigation into this problem reveals that those words were not strong enough. TRAINING SKILLED TRADES IS THE ISSUE TODAY! If we don't do it we shall suffer demoralization.

The whole problem of labor, no matter what angle looked at, rests upon a supply of man power, especially of skilled trades. The continuance of the American Plan in Detroit rests squarely upon this. It would be mere idle wasting of money and time to approach the labor problem from any other angle. If the problem is approached from any other angle, and the training of apprentices ignored, we are licked before we start.

We do not contemplate that this handling of the apprentice problem will cost the industry any large amount of money to be poured into the hopper of any organization. The cost will come through the conditions.

It behooves every employer of skilled trades in our industry to prepare for this training and to take an active part in this from the very start. You can afford to spend on this movement through your individual efforts better than you can afford to try to cope with the problems of labor in any other manner. By training skilled trades along right lines and under right methods in our own business organizations will enable our industry to go on functioning with an "even keel" as regards labor. Imagine

ARCHITECTS' DAY

Architects', Builders', and Traders' Third Golf Outing

KNOLLWOOD

JULY 15

Golf, Dinner, and Prizes $2.50

The Event of the Summer

Harrigan & Reid Co.

Heating and Plumbing Contractors

1365 Bagley Ave.

Cadillac 0243

CLASSIFIED BUILDING TRADES

GENERAL CONTRACTORS

GEORGE W. AUCH CO.—3810 Mt. Elliott, Plaza 1190.

DETRIOT BUILDERS, INC.—10402 Charlevoix Ave., Enox 9494.

PETER A. KOCKX & SONS—4657 Dickerson Ave., Murray 3748.

INSULATION

Insulite Products Stocked by:

F. M. SIBLEY LUMBER CO., Ft. 5100.

DETRIOT LUMBER CO., VI. 1-2060.

LOWRIE AND WEBB LUMBER C0., OR. III.

LUMBER DEALERS

DETRIOT LUMBER CO.—5661 W. Jefferson Ave., Vinwood 1-2060.

HURD LUMBER CO.—5425 W. Vernor Hwy., Vinwood 1-4129.


Established 1884.

O'HARA-QUINLAN LUMBER CO.—

14811 Meyers Rd., Higash 5110.

RESTRIICK LUMBER CO.—1000 W. Grand Blvd., Lafayette 9590.


WALLICH LUMBER CO.—1741 St. Aubin Ave., Temple 2-6660.

IRONITE WATERPROOFING AND RESTO-CRETE

WESTERN WATERPROOFING CO.

110 Murphy Bldg., Cadillac 9446.

PLUMBING, HEATING AND VENTILATING

E. B. REID.—8817 Mack Ave., Plaza 2337.
the folly of trying to cope with any labor situation involving any skilled trade if there is a lack of men in those trades.

And, mind you, that lack of skilled trades is growing more acute each day. When the construction industry swings back further toward normal scope of operations, this lack of skilled men is going to render us futile. We shall not know where to turn. We shall be forced to meet any demand. Therefore it cannot be too strongly emphasized that what we are trying to get across to you is the most serious problem for you to consider at this time—and it will be still more tomorrow.

There will be more important news about this subject from now on, and we at this time welcome your cooperation in the forming of our plans.

There is no one in the industry unaffected by this problem. Consequently, we expect the cooperation of everyone. The more of that we get now, the easier it will be in two or three weeks to start the signing on the dotted line for the actual starting of this important work. Tell us at your leisure what you think about this problem and about now far you will go along.

ALL ELEVATORS TO HAVE “BRAINS”

(Continued from Page 1)

Call, Double Button and Dualite Control widely used on modern freight elevators. But improvement so radically modern as signal control and collective control which are now available for freight service ranks as a significant achievement. Broad new fields of application are immediately envisioned for any and all of these systems.

Coincident with establishment of these new standards is the further announcement by Otis that any or all are available for buildings of any height. Signal Control applied to passenger service has heretofore largely been restricted to the tallest and most costly of modern buildings. This may now be applied efficiently and economically to buildings of five or six stories. The great speed of a tower installation may not be necessary in the average city business structure, but the latter may still enjoy all the benefits of split-second service in the movement of traffic from the street level as well as between floors. Informed observers believe that availability of the newer types at cost well within range of a majority of building owners, will serve as an impetus to numerous modernization projects.

Where owners have previously hesitated to make capital expenditures they may now proceed on a practical basis. In return they acquire an improvement which cannot only be readily amortized but which, it is frequently believed, will result in paying a worthwhile and considerable dividend.

Signal Control furnishes the best and most economical method of operating an elevator with a regular attendant in the car. It is extensively used in the newer business buildings where speed is of course of prime importance. It meets every specialized demand in buildings soaring up to the thousand foot mark. Its development involved solving new ways and means to increase efficiency of car control in every particular. Speed alone would not do the job. Micro-self-leveling was one of its inherent features which assured smooth, accurate stops at each floor in a minimum of time. It eliminated “inching” up and down, common to car-switch control. Signal Control utilized automatic car gates and landing gates to the fullest extent of efficiency. The public soon recognized superior service and demand for its extension gradually spread to buildings of less and less height. It encroached noticeably upon the field of car-switch.

Signal Control found increasing use as the standard new installation for newer buildings in various classifications. But competitive existing properties hesitated to adopt it because of the necessity to

(Continued on Page 6)
AGREE, Chas. N., 1140 Book Tower, CA. 9263.—Taking figures on Pansy Shop, 5444 Michigan Ave. Bids by invitation, taken by owner.


Same.—Preparing plans for 2,000 seat theatre and stores, Harper and Chalmers.

Same.—Two story and basement mercantile building, Grand River near Oakman Blvd. Architectural trades let to Edward Misch Co.


Same.—Plans for alt. to Theatre, Rochester, Mich.

Same.—Plans for 2,000 seat theatre, cor. Warren and Miller Road. Bids closed.

Same.—Remodeling of Gladwin Theatre, Detroit. Taking figures.

Same.—Plans for addition to Greenville High School. Band room and hand ball court, 30x95', completed. Taking figures.

Same.—Plans for alteration and addition to theatre, Standish, Mich., completed.

Diehl, Geo. F., CH. 7268.—Working drawings on Warehouse No. 6. Six stories, 85x210, completed.

Giffels & Vallet, Inc., L. Rossetti, Associate, 1000 Marquette Bldg.—Preparing plans for power house extension for local manufacturer. Owner's name withheld.

Beaver Hard Board Products
Ask about Beaver tempered Hard Board
For concrete forms

Certain-teed Products Corporation
4478 Cass Avenue Detroit, Michigan

Specify
RM
Reg. U. S. Patent Office

Paints
Enamels
Varnishes
Lacquers

RINSHED-MASON CO.
MANUFACTURERS
5935 Milford St. Detroit

Fisher Wall Paper Co.
514 Randolph St.
DETOIT, MICH.

M. Den Braven & Co.
AIR CONDITIONING
HEATING CONTRACTORS

"I believe no one knows better than the architect how essential planting is to a proper setting for his building."

WILLIAM G. BAXTER
LANDSCAPE ARCHITECT
GARDEN DESIGNER
26 Peterboro Temple 2-7000
May I cooperate with you on your next project?

"Believe me, one will not have a scene of his life, but what is the reflection of the scene of his nature.

WILLIAM G. BAXTER
LANDSCAPE ARCHITECT
GARDEN DESIGNER
26 Peterboro Temple 2-7000
May I cooperate with you on your next project?

"I believe no one knows better than the architect how essential planting is to a proper setting for his building."
Same.—Residence for Herbert Trix, Fisher Road and Jefferson. Being re-figured.
Lyndon & Smith, Robert Oakman Bldg.—Bids close June 29 on Northville Grade School, PWA project.
Geo. Y. Masson, 1005 American Radiator Bldg., CH. 1628.—Bids closed on 2 story frame residence, 37x31 and 2 car frame garage. Location: Lot No. 129, West Side Wadington Road, Bloomfield Village. Owner, Mr. Jones B. Shannon.
Same.—Bids closed on residence for Lewis F. Moody, Jr. Location: Lot 64, Birmingham Park, Birmingham, Mich.
Mildner & Eisen, 924 Hammond Bldg., RA. 0828.—Preparing plans for addition to Evangelical Deaconess Hospital, 125x44, five stories.
Schillig, Edw. A., 409 Griswold, RA. 7850.—Plans and specifications for St. Peter's Cathedral, Marquette, Mich. Ready for figures on general contract and separate figures for electrical work. Bids will close Thursday, July 16 at 6 P. M. Plans can be had by addressing this office.
Tilds, Paul, 602 Hoffman Bldg., CA. 2610.—Residence with attached garage, Oakman Blvd. Figures by invitation.

FREDERIC B. STEVENS, INC.
Face Brick, Enamel Brick, Roofing and Floor Tile, Glazed Brick and Tile Representatives for FEDERAL SEABOARD TERRA COTTA Third and Larned Streets RANDOLPH 5990 DETROIT, MICH.

MORGAN
QUALITY WOODWORK
COMPLETE LUMBER SERVICE
Sutherland & Avery Lumber Co.
Detroit Distributors
3172 St. Jean Ave.
PLaza 9460

Chemical Dehydration of Air
FOR AIR CONDITIONING, DRY ROOMS, AND MANUFACTURING PROCESSES
H. J. KAUFMAN
HOgarth 2492 13215 Roselawn Ave.

KELVINATOR Commercial Refrigeration Equipment

One of the larger Kelvinator condensing units. These units range in size from ¼ H.P. to 20 H.P. There are 128 units in the line, making it possible to suit every refrigeration requirement exactly.

And covering it exactly. Through years of experience, Kelvinator engineers have developed a line of equipment that meets any refrigeration need. Condensing and cooling units from the smallest to the largest. Surveys furnished without charge.

KELVINATOR CORP.
FACTORY BRANCH
2845 W. Grand Blvd. MA. 9840
change over existing equipment. Previously there
has been no method available for adapting modern
signal control to the slow speed machines. By
bridging this gap Otis has rendered a service of
inestimable importance. For any building can now
enjoy, in a relative sense, service on a par with
that of the Empire State, the Chrysler Tower and
other top-notchers.

The success of Signal Control demonstrated the
need for a more extended field of automatic opera-
tion. This resulted in improvement of the original
type of automatic or Single Call Control, Double
Button and Dualite Control—and finally the latest
form of Collective Control.

The next application of button control was made
on small freight elevators where the use of double
buttons and dualites superseded the hand rope con-
trol and created an enormous improvement in the
transportation of production materials and other
goods, and employees. It prevented unnecessary
transportation tie-ups, eliminated accidents through
taking control out of the hands of unskilled occa-
sional operators, and at the same time avoided
necessity of maintaining skilled hands to run the
car. Where service demands were infrequent though
important this provision made possible worthwhile
economies.

Collective Control has now been so developed—
especially with the addition of automatic gate and
door operation—that its field of usefulness has
been greatly extended. It can now be used in much
higher buildings, having greater service demands.
Signal Control furnishes the highest class of ele-
vator service with an attendant—and the new Col-
lective Control supplies the highest type without
an attendant. This will find broad use in apart-
ments and in certain other buildings where it may
be desirable to have an operator in the car during
the day and to dispense with his services at night.
This can be accomplished with Collective Control
which mechanizes every service function, including
the opening and closing of car gates and landing
doors, the automatic starting and stopping of the
car, smooth, accurate self-leveling stops at each
floor and other services, whether guided by an
attendant or passenger. This type will undoubtedly
encroach steadily upon car-switch. Its convenience
and advantages are too obvious to be ignored by
owners desirous of making their elevators an ef-
effective adjunct to "space sales."

There is of course a fundamental reason for this
trend to automatic control. Experience has demon-
strated conclusively that elevators wholly dependent
upon the skill of the operator have never been fully
satisfactory. They require employment of trained
personnel. They create the need to train operators
to coordinate the various mechanical functions in-
volved in the operation of each special type of equip-
ment. Even where cars are manned by highly
skilled operators, service is actually at the mercy
of such fickle factors as brain fag, body fatigue,
faulty vision and the reflexes and temperament of
the human being whose hand guides the car-switch.
Missed calls, jolting stops, unpleasant "inching,"
delays and fluctuating efficiency are common faults
in the best car-switch systems. Moreover, differ-
ences in operator ability reduce the true capacity
of an elevator plant to the level of its average
operator. In well-populated business buildings this
let-down leads to complaints and to costly tenant
turnover. Unfortunately, human failure is greatest
when the passenger load is heaviest. Adoption of
Finger-Tip Control permits employment of a new
type of car attendant. It is no longer necessary to
hire operators, qualified physically to handle the
burden of busy service on a car-switch controlled
elevator. Attendants may be selected on the basis
of pleasing personalities and thus add to the tone
and character of the building which they serve.
This is frequently desirable in hotels, department
stores and other buildings where personality of
attendants is important.

With seven types of Finger-Tip Control elevators
from which to choose, the architect may now specify
a more exacting service to cover the specific needs
of each building. The job is simplified for him
and for the owner. This fact applies to both exist-

Glanz & Killian Co.
CONTRACTORS
Plumbing - Heating - Sheet Metal - Fire Protection Sprinkler Systems
1761 W. Forest TEmple 1-7820

S P E C I F I C A T I O N S
Accurately typed in my office or yours.

ELLEN E. GLASSBROOK
5081 Woodward Ave. MAdison 4537
ing and projected buildings, be they hotel, apartment, office building, loft, industrial building, residence. The simplicity of new installations, which embody all features of mechanical control, are obvious. It is pleasant to note that the application of modern service to existing buildings through the medium of a change-over is usually a simple, easy job. No change is usually required in the structural parts of the elevator shaft nor of the building, nor is it usually necessary to strengthen supports, alter floors or steel work. Dimensions of penthouses and machinery rooms, even though frequently undersized, are usually adequate to take care of any mechanical additions. There are no walls to tear out, no rebuilding of lobbies or other extensive construction work involved. Change-over proceeds on a definite schedule, shaft by shaft, with a minimum of service interruption. Otis experience indicates that, in a majority of change-overs, much of the existing accessory equipment is frequently utilized.

Finger-Tip Control and the range of modern vertical transportation services which it includes is here to stay. It is a significant contribution to the building industry. It provides new tools with which the architect can work. Thus it enables him to specify more exacting and satisfactory traffic handling facilities for the structures which he plans. It is a boon to the building owner and operator. It provides him with a vertical transportation system that will not become out-moded during the life of his building. Years of successful experience with the mechanical devices involved is reasonable assurance of trouble-free service, low maintenance cost, economical operation.

By one decisive action he attains the ultimate in elevators at the lowest possible cost for such service and obtains an installation that will be up to date for many years to come. It will not be necessary, in order to keep up to date, to follow the costly and outmoded method of installing piece-meal, efficiency devices from time to time, which improve one by one the numerous functions of service. Automatic elevators assure more safety and satisfaction than any other type. They alone furnish adequate answer to the ever insistent demand of the public and professions for the ultimate in vertical transportation and for the benefits which such service promotes.

WENZEL FLOORS
J-M Asphalt Tile—Magnesite Composition Masonite
439 Penobscot Bldg.  RAndolph 5500

"Standard" PLUMBING FIXTURES
"Most Modern, Complete Display Rooms in the Middle West"
Murray W. Sales & Co.
MADISON 4200
DETROIT
PONTIAC   WYANDOTTE

INSULUX GLASS BLOCKS
Manufactured by the
OWENS ILLINOIS GLASS CO.
Now Carried In Stock
Call Us for Information and Prices
CADILLAC GLASS CO.
2570 Hart Ave.  Detroit
PHONE LEnox 4940

Patronize Our Advertisers

This Sight Meter measures light as accurately as a thermometer measures heat

A well-planned building today must have good lighting. If decorative fixtures are used, it is important that they furnish LIGHT as well as decoration. Too often, such fixtures are chosen chiefly because they are ornamental or attractive, instead of being considered as what they were originally intended—as sources of light. If you are in doubt as to the quality of the lighting in a building, a Sight Meter will quickly check the adequacy of illumination at any place in a room—as accurately as a thermometer measures heat. You are invited to use one at any time, without charge or obligation. Call Randolph 6800 and ask for the Lighting Division.

There are no substitutes for the services of an eyesight specialist, but proper lighting helps to protect eyes, good and bad, young and old.

THE DETROIT EDISON COMPANY
A LETTER TO ARCHITECTS

It is a matter of sincere regret that we announce the resignation of Mr. George Haas.

For the last several months Mr. Haas has served us most capably in the capacity of contact man with the architectural profession. He leaves us to become Assistant Project Manager for the Chandler Park Housing Development in Detroit. The position is one of responsibility and carries with it the possibility of experience which will no doubt be valuable to the Government, and helpful to Mr. Haas. He takes with him the sincere wishes of all members of our organization.

In the very near future we will have assigned a man of experience in the architectural profession and intimately conversant with Stran-Steel. It is our sincere hope that this man and our company will find ways and means to be of service to you, and that as a result Stran-Steel will be used in an increasingly large number of architecturally designed homes and structures of all kind to the mutual benefit of all concerned.

Meantime our Mr. Fred Thompson, who has had architectural training and experience and understands your problems, and who has been associated with us for more than a year will gladlly serve us contact man. We respectfully suggest that you call upon him when the occasion demands.

Yours very truly,

STRAN-STEEL CORPORATION
C. A. Strand, President.

Maurice V. Rogers
General Construction
5737 Second Blvd. Madison 6884
DETOIRD, MICH.

MEET THE "Meter-Miser"
The Simplest Refrigerating Mechanism Ever Built IT CUTS CURRENT COST TO THE BONE

The New Frigidaire's spectacular cold-making unit. Gives more cold for much less cost, because of outstanding design with only three moving parts! Permanently oiled, precision built, completely sealed against moisture and dirt.

FRIGIDAIRE CORPORATION
4584 Maybury Grand Tyler 5-5542

Kitchen and Pantry cabinets made of steel, enameled in colors, also the new AGA ranges for home use are on display in our showroom. Literature will be mailed upon request.

Our engineering department consists of experienced men, whose services are at your disposal.

THE J. E. STEPHENS CO.
450 W. Fort St., Detroit Phone Cherry 6507
To produce better small houses through the medium of architectural service, Small House Associates (of Detroit) was formed May 15, 1935, by Clair W. Ditchy, Howard L. Farley, Leo I. Perry and Victor C. Adler, all registered architects. It aimed to assist in the movement sponsored by the Federal Housing Administration to promote new residence building, and, at the same time, to improve the standards of design and construction.

Many problems confronted the new organization. This was a field in which the architect had never engaged extensively and no established precedent existed as to the manner of administering this particular type of architectural service or the proper charge to be made for it. However, a number of ideas were prevalent, the most popular one being that the architect could not possibly function in this field unless he undertook it as a philanthropy. As Small House Associates was not organized as a benevolent society, it did not share this view, nor did it accept the theory that any one financially able to build is financially able to pay for one of the most valuable elements of his building venture, i.e., his architectural service.

The scheme of establishing a bureau had been rejected because it had been felt that a bureau, unless it were a closed affair, might be difficult to control, might result in a dilution of responsibility, might over-emphasize the value of plans as contrasted with the other elements of architectural service, and might suggest the patronizing character of a clinic. Further, if the venture were not a success, it might reflect unfavorably on the whole profession, but as a private venture, this danger would be eliminated.

It was finally decided to announce as our objective the production of better small homes, and that we were prepared as architects to assist in any way we could to accomplish this end. We entered the field with open minds, realizing that our first efforts must be largely experimental, that preconceived notions might have to be abandoned, that we must try everything or anything that was honest and direct. We were invading a "market" completely monopolized by speculative builders who had established the prevailing standards of public...
EXPOSURE OF DEEP SECRET

So many people who do not read this magazine carefully never ask me how I manage to write such soul stirring articles that I hereby and hereon and then somewhat resolve to lay before you instead of the finished work a real expose of how I do it.

It is more than comfortably warm this eight day of July, and when I came into this office at nine A. M. it smelled like a cross between a chicken coop and a fire gutted barn. So up the windows and light the old pipe and thank God there are no resignations in the mail. In fact there is no mail this morning which gets beyond the bookkeepers desk loaded with checks or due bills, or beyond the news department with many items which today will be printed and sent to all the members, or beyond the information department either asking or answering questions we have asked.

And so I say to myself that the very first order of my business will be to get this page written for the Architects Bulletin.

What should I write about?

Well for the last two weeks I have written about the apprenticeship problem and yesterday the Board of Directors spent two hours on this subject. I could write another bulletin about that. But that had better be passed on until I finish a few more contacts. With that in mind I delay writing the bulletin long enough to put in four telephone calls to four different men on this subject.

When I get ahold of one of the men he says he is going out of town on the sixteenth for quite a stay and will take the matter up when he gets back. Another one says he is going to Mackinaw. Well there would be a good subject to think about today, but nothing to write about.

Well I should write something snappy and catchy about the forthcoming golf outing which will be held at Knollwood, July 15. And that reminds me that I must call someone else to write a notice about this outing, so I succeed in learning that this certain someone is not down to work today.

Then too I should write about the Walsh Healey law which recently passed by the recently adjourned Congress requires that all contracts for government purchases in amounts over $10,000 stipulate that (1) the contractor is a regular dealer (2) he will pay all employees the "prevailing wage" without any kickbacks (3) no employees shall be worked over 8 hours a day or 40 hours a week (4) no employees shall be used (5) no convict labor will be used (6) no part of contract will be performed under insanitary or hazardous conditions.

But before I can write about that I must continue further my search as to its application to the construction industry, and here again I get in touch with a man who fits into my plan of finding out more about this new law.

While busily thinking why I could not write about the Walsh Healey measure, a member comes in (it is now about 10.20) and wants to know the best method to collect some various accounts owed him. The conversation is necessarily confidential but can and did recommend an agency and method which produces good results.

And therein is an idea which might be written about in several bulletins. But after all, it is high time to write an up-to-date bulletin upon the sales tax because some members think the rules have been changed as regards materials to be used in buildings devoted solely to manufacture. But the rules have not been changed as I know by two personal trips to the branch office and a pretty well thought out (even if I do say it myself) letter to Lansing. Well, so long as the rules have not been changed perhaps it would be better to write about how the prizes on the picnic were distributed. That should be done right away. But there is a bit of checking of addresses and a few names skipped in the confusion, and that must be cleared up first.

And than a company calls in and tells us that

**ACME CUT STONE COMPANY**

9630-9690 Greeley Ave. Detroit, Mich.

**LONGFELLOW 5770-1-2-3**

**Harrigan & Reid Co.**

Heating and Plumbing Contractors

1365 Bagley Ave. Cadillac 0243

**CLASSIFIED BUILDING TRADES**

**GENERAL CONTRACTORS**

GEORGE W. AUCH CO.—3646 Mt. Elliott, Plaza 1159.

DETOIR BUILDERS, INC.—10403 Charlevaux Ave., ENO 9494.

PETER A. KOCK & SONS.—4675 Dickerson Ave., Murray 8748.

**INSULATION**

Insulite Products Stocked by:

F. M. SIBLEY LUMBER CO., Ft. 5190.

DETOIR LUMBER CO., Vt. 1-2090.

LOWISE & WEBB LUMBER CO., OR. 1111.

**LUMBER DEALERS**

DETOIR LUMBER CO.—5801 W. Jefferson Ave., Vinewood 1-2090.

HURD LUMBER CO.—4125 W. Vernor Highway, Vinewood 1-4125.

C. W. KOTCHER LUMBER CO.—2137 Gratiot Ave., Fitzy 3380.

O'HARA-QUINLAN LUMBER CO.—14811 Meyers Rd., Hogarth 5110.

RESTRICK LUMBER CO.—1000 W. Grand Blvd., Lafayette 0500.

F. M. SIBLEY LUMBER CO.—6460 Kercheval Ave., Fitzy 5100.

WALLICH LUMBER CO.—3741 St. Aubin Ave., Temple 2-6660.

**IRONITE WATERPROOFING AND RESTO-CRETE**

WESTERN WATERPROOFING CO.

410 Murphy Bldg., Cadillac 9546.

**PLUMBING, HEATING AND VENTILATING**

E. B. REID.—8817 Mack Ave., Plaza 2537.
their bulletin did not reach them yesterday. When a members news bulletin does not reach him, he is generally irritable especially on a hot day, but this member did not appear so. Set the machinery in motion to find out why his bulletin did not reach him. That is a major sin.

Some ado and stirring about the office. Stopped in hallway by man who wants to know how a contractor can be asked to pay the sales tax on articles he buys outside the state. The state is trying to make that stick, but—well there's lots more to the answer. Then a call to hurry to my phone to get asked what I know about the agent for the so and so union.

By this time it is eleven thirty, and perhaps it would be better to write the bulletin in the P. M. because I am due at a meeting at 12:30 and have to sit down a few minutes and get my wits together so I will have all the facts in hand for the meeting. But first must dictate three or four letters.

That reminds me that sometime during the day I must get up a form letter to be sent to the officers of all associations in the industry about the apprenticeship movement.

And so back to the desk about two P. M. The first thing to do is to jot down some notes on the luncheon meeting so that later I can recall everything which came up. But low and behold, someone wants to know just exactly what a subcontractor should do on a government job to protect himself.

And by the way, I must figure out how to meet a certain new wrinkle in getting early construction news which I am on the trail of. Got to get out some new cards on the subject. They will be out in a day or so, but they don't just pop out without preparation. Well the space is more than gone. And boys its written.

PRACTICAL SMALL HOUSE PRACTICE
(Continued from Page 1)
taste and opinion and who had made use of every modern device to proclaim their wares, i.e., advertising in every form, the corner real estate office febrile with a rash of signs, high and low pressure salesmen, model homes, the radio, billboards, newspapers, hand dodgers, etc. An attempt to enter this field in a passive manner, even with the splendid endorsement of architectural service which the Federal Housing Administration was giving, would have died aborning. Consequently, banks, mortgage houses, realtors and others interested in the small house field were approached, speeches made before interested groups and over the radio, newspaper advertising was used (merely as an announcement and in a manner not to offend the most delicate of architectural sensibilities), local magazine and newspaper publicity was gladly accepted. The fact that Small House Associates had been formed to offer architectural service of every sort in the small house field was emphasized.

During the past year the following types of service have been rendered:

For banks, appraisals of old houses, appraisals of proposed houses, remodeling of old homes, criticism of plans for proposed houses with suggestions for improvement, and interviews with prospective home owners who had come to banks for advice.

(Continued on Page 6)

THE MODERN GENERAL ELECTRIC KITCHEN
Our Kitchen Planning Department will co-operate with you in scientifically laying out your kitchen, without obligation.

CASWELL INC.
478 W. Canfield TEMple 1-6850

Michigan Distributors for General Electric Home Servants
ARCHITECTS’ REPORTS

Agree, Chas. N., 1140 Book Tower, CA. 9268.—Preparing plans for one story and basement building, 227x100, cor. Fenkel and Schaefer Rd.

Same.—Plumbing, heating and stoker on Davidson Building, Grand River Ave. let to R. L. Spitzeley & Co.

Same.—West Town Theatre: Electrical contract, Checker Electric Co.; plumbing, heating and stoker, Morris Garlick; ventilation, Brodie & Sons; sign, Walker & Co.

Bennett & Straight, 13526 Michigan Ave., OR. 7750.—Plans for alteration to theatre, Rochester, Mich.

Same.—Plans for 2,000 seat theatre, cor. Warren and Miller Road. Bids closed.

Same.—Remodeling of Gladwin Theatre, Detroit, Taking figures.

Same.—Plans for addition to Greenville High School, Band room and hand ball court, 30x95', completed. Taking figures.

Same.—Plans for alteration and addition to theatre, Standish, Mich., completed.

Diehl, Geo. F., CH. 7268.—Working drawings on Warehouse No. 6. Six stories, 85x210, completed.

Giffels & Vallet, Inc., L. Rossetti, Associate, 1000 Marquette Bldg.—Preparing plans for power house extension for local manufacturer. Owner’s name withheld.

Same.—Preparing plans for foundry extension for local manufacturer. Owner’s name withheld.

Same.—Preparing plans for extension to press shop for local manufacturer. Owner’s name withheld.

Same.—Preparing plans for alterations to foundry building in Northwestern Ohio.

Same.—Preparing plans for reinforcing two bridges for D. S. R.

Same.—Preparing plans for coil conveyor tunnel between cold mill and press steel building at Rouge Plant of Ford Motor Company.

Same.—Preparing plans for two additional substations to serve foundry at Rouge Plant of Ford Motor Company.

Same.—Preparing plans for installation of two electrical holding furnaces in foundry at Rouge Plant of Ford Motor Company.

Same.—Preparing plans for wire-pickling installation in Steel Mill at Rouge Plant of Ford Motor Company.

Same.—Preparing plans for switch gear installations to serve foundry at Rouge Plant of Ford Motor Company.

Hughes, Talmage C., 120 Madison, CH. 7660.—Preparing plans for four story, 24 apartment building, Merrill Palmer Subdivision. Ready for bids on sub contracts in about two weeks.


Same.—Plumbing on East Grand Blvd., Church let to A. G. Berkman; heating, G. H. Wilcox.


Same.—Revised plans on store building, Van Dyke and Harper. Contracts let soon.

Same.—Bids closed on cafe, Plymouth Road.

Same.—Preparing plans for 3 stories—Recreation room in basement, 43x100. Brick and steel construction, Jos. Campau Ave.

Same.—Bids closed on three stories, basement, fireproof building, 59x41. Stoker, steel construction.

Fisher Wall Paper Co. 514 Randolph St. DETROIT, MICH.

6 Local Stores Cadillac 5950

Wall Paper, Paints, Window Shades

"I believe no one knows better than the architect how essential planting is to a proper setting for his building."

WILLIAM G. BAXTER LANDSCAPE ARCHITECT GARDEN DESIGNER 20 Peterboro Temple 2-7000 May I cooperate with you on your next project?

M. Den Braven & Co. AIR CONDITIONING HEATING CONTRACTORS Garfield 5600 9080 Alpine


Same.—Residence for Herbert Trix, Fisher Road and Jefferson. Contract let to Walter Trowell Construction Co.


Lyndon & Smith, Robert Oakman Bldg.—Bids closed on Northville Grade School, PWA project.

Malcomson & Higginbotham, Inc.—Preparing working drawings and specifications for a City Hall at Benton Harbor, Mich.


Geo. Y. Masson, 1005 American Radiator Bldg., CH. 1628.—Bids closed on 2 story frame residence, 37x31, and 2 car frame garage. Location: Lot No. 129, West Side Waddington Road, Bloomfield Village. Owner, Mr. Jones B. Shannon.

Same.—Bids closed on residence for Lewis F. Moody, Jr. Location: Lot 64, Birmingham Park, Birmingham, Mich.

Mildner & Eisen, 924 Hammond Bldg., RA. 0828.—Preparing plans for addition to Evangelical Deaconess Hospital, 125x44, five stories.

Same.—Alley paving, Tivoli Brewing Co. Taking figures.


Schilling, Edw. A., 409 Griswold, RA. 7850.—Plans and specifications for St. Peter’s Cathedral, Marquette, Mich. Ready for figures on general contract and separate figures for electrical work. Bids will close Thursday, July 16 at 6 P. M. Plans can be had by addressing this office.

Smith Hinchman & Grylls, 800 Marquette Bldg., RA. 8825.—Addition to Daisy Mfg. Co. Contract let to J. A. Maynes Co.

Same.—Alteration to offices for Daisy Mfg. Co., Plymouth.

Tilds, Paul, 609 Hoffman Bldg., CA. 2610.—Residence with attached garage, Oakman Blvd. Figures by invitation.

Weeks, Harry F., 133 E. Dreyton, Ferndale.—Taking figures on frame residence and garage, 13 Mile Road east of Telegraph Road.

Weltmeir & Gay, 112 Madison Ave. RA. 1047.—Figures on residence, 50x60, Sherwood Forest, being taken.

Same.—Figures on garage and Service Station, N. W. corner Chicago Blvd. and Dexter closed.

LOCH QUKTS POST AS U. OF M. DEAN

Will Continue as a Professor

Prof. Emil Lorch, dean of the College of Architecture at the University of Michigan, has resigned that post, but will continue as a professor.

Dr. Frank E. Robbins, assistant to the president, explained that Prof. Lorch, director of the college since 1906, was resigning under a rule which permits faculty members to relinquish executive posts after 15 years.

The college will be directed by an administrative unit consisting of Prof. Lorch and four others, Prof. Wells I. Bennett, chairman; Prof. Walter Gores, Prof. Jean Hebrand and Prof. George M. McConkey.

FREDERIC B. STEVENS, INC.

Face Brick, Enamelled Brick, Roofing and Floor Tile, Glazed Brick and Tile Representatives for FEDERAL SEABOARD TERRA COTTA Third and Larned Streets RANDOLPH 5900 DETROIT, MICH.

PERMUTIT

Water Softeners and Filters

Uses Downflow Principle

Made with Automatic or Manual Control

HARD WATER MADE ABSOLUTELY SOFT

No Home Is Modern Without Water Treatment

Air Conditioning Corp.

6150 Second Boulevard
PHONE MADison 1450
PRACTICAL SMALL HOUSE PRACTICE
(Continued from Page 3)

Architectural service to operative builders. Architectural service to realtors. Architectural plan publication service in newspapers. Cooperation with FHA and FHA lending institutions in missionary work and other matters of public education. Architectural service to individual clients for houses as low as $4,500.00.

No opportunity to gain experience in the field was rejected even though it entailed financial loss.

After a year of such experience some of the conclusions reached were these:

1. The small house is an extremely difficult problem which requires extensive study and thorough familiarity with the field. Not many architects have given it sufficient attention to do it justice and in many cases this has reacted against the profession. The general tendency has been to dwarf a large house and call that the answer.

2. Much can be learned from the builder who has discovered that economies must be practiced in the small house which are not considered in larger houses.

3. Mass development controlled by the architect offers possibilities. Street or group, harmony will minimize the necessity of, or the demand for, a great variety in individual exterior embellishments.

Detroit Lumber Co.
"Most Modern Finish Factory in Michigan"
Special Millwork, Cabinets and Stairs
No Charge for Service or Shop Drawings
5601 W. Jefferson Ave. VInewood 1-2090

O. W. BURKE COMPANY
GENERAL CONTRACTORS
FISHER BUILDING
Detroit, Michigan
Madison 0810

NELSON COMPANY
DETOIT — ROYAL OAK — ANN ARBOR
Phone
R. O. Ann Arbor
4162 2380
WHOLESALE
PLUMBING AND HEATING SUPPLIES
Dependable Products—Dependable Service
BUILDERS’ SUPPLIES
H. H. Dickinson Company
Main Office Telephone
5785 Hamilton Madison 4960
WE WILL BE GLAD TO SERVE YOU

S P E C I F I C A T I O N S

Accurately typed in my office or yours.

ELLEN E. GLASSBROOK
5981 Woodward Ave. Madison 4537

Recommended by the Architects of America

ROBERT W. TEBBS
PHOTOGRAPHER TO
ARCHITECTS AND DECORATORS
BELLE LA ROSE
0611 Maxwell Ave.
Plaza 7277

Returning to Detroit in August to Complete Assignments Here

Moynan Ornamental Metals Co.
THE FINEST ORNAMENTAL ALUMINUM, BRONZE, AND IRON WORK

2058 Porter St. LAFayette 1316

with consequent economy. To achieve the best results the architect must retain control of any mass development.

4. Any effort in this field which emphasizes plans as the main need for, or a definite assurance of, obtaining a good house, or which in any way tends to promote the long and firmly established conviction in the minds of the public that the one and sole purpose of an architect is to draw plans is pernicious and should be discouraged.

5. Houses costing $5,000.00 or slightly more or less constitute a special class. There is no room economically for both the builder (or general contractor) and the architect in the building of a single house in this class. In the past the builder has eliminated the architect. The architect must either eliminate the builder or make some modified arrangement which permits the architect to retain control for the owner over the entire operation, which will eliminate any duplication of supervisory services and which will keep costs at a minimum.

One proven method is for the architect to retain the mason or carpenter contractor as his representative on the job to correlate trades, to report progress and in general to run the job. The architect personally from his fee pays the contractor a stipulated sum for performing this service. The architect issues all certificates and makes supervisory visits as usual.

6. In mentioning the cost of a house, the architect’s fee should always be included. To do otherwise may be regarded as an evil practice which often misleads the owner, and tends to give the impression that the architect’s services are desirable but are not the indispensable element which they should be in every building undertaking.

7. The method of rendering architectural service for the small house may vary in different parts of the country. Conditions which affect the situation differ so greatly that what may prove highly successful in one locality may be a failure elsewhere.

8. A successful practice in this field can be established, but it may require aggressive policies not too common to the profession. Predicating our efforts on the assumption that the profession of architecture is charged with the duty of servicing every serious form of building activity, and recognizing from a social standpoint the importance of the small home, we are convinced that the profession must discover and promote methods which will produce better small homes for the majority.
ROBERT W. TEBBS, PHOTOGRAPHER, HAS MANY IMPORTANT ASSIGNMENTS IN DETROIT

Robert W. Tebbs, well known photographer to architects and decorators has just returned to his studios in New York after completing various assignments here for the following architects: the new air-conditioned homes of the Kelvinator Co., the East Moreland Park Development, the Methodist Children’s Home, the Sewage Disposal Plant in Grosse Pte. Farms, Kerby Pumping Station and several residences for J. Ivan Dise, Detroit Post Office for Robert O. Derrick, eight gardens in Grose Pointe for Helen Shipman, Mary Mayo Hall in East Lansing for Malcomson & Higginbotham, the Newburg Plant of the Ford Motor Co. as well as several residences for Mr. Rossetti, associate of Giffels & Valley, Inc.; six residences for Harold Redfield, Inc., fifteen residences in Midland for Frantz & Spence of Saginaw, two residences in Birmingham for Max Colter Co., a residence in Lansing for C. W. Palmer.

Mr. Tebbs will return to this section the second week in August. He has a commission from Albert Kahn to photograph the General Motors plant in Saginaw, the Mosher Jordan dormitory in Ann Arbor for Malcomson & Higginbotham, St. Hugo of the Hills Church in Bloomfield Hills for Arthur DesRosiers, residence for E. J. Kerby, interior dec-

ARCHITECTS have long wanted an air-conditioning heating system for low-cost homes.

Here it is. It is a genuine Gar Wood Tempered-Aire. It is fully automatic. It burns No. 3 grade oil. It filters and humidifies. It has silent multivane blower circulation. And it has the factory-built Gar Wood duct system.

This Model 102-A is in every way identical with Model 102, except for a less expensive case.

May we send you full details and give you estimates of cost? We have all sizes, of course, to fit homes large and small.

Owners say, “Gar Wood oil heat costs less than coal.”
orator, Manresa Layman's Retreat for Herman & Simon and Lehigh Stone Co., eight projects for Leo M. Bauer, Gesu Church for Geo. F. Diehl, and others.

Due to the fact that Mr. Tebbs' prices are so reasonable and that there is no charge for transporation, etc., we suggest that the architects throughout Michigan, Ohio and Indiana, members of the Michigan Society of Architects and who anticipate having their work photographed for future reference or publication in architectural magazines of America, should get in touch with Belle LaRose, Mr. Tebbs, local representative here who will be glad to call upon them to submit samples and prices. Mrs. LaRose's telephone number is in the Robert W. Tebbs advertisement in the pages of this Bulletin.

REMOVAL NOTICE

William F. Goodrich, architect, has moved his offices to 310 Stormfeltz-Lovely Bldg., telephone TRinity 2-8000 where he will receive callers from 10 to 12 daily, except Saturday.

Glanz & Killian Co.
CONTRACTORS
Plumbing - Heating - Sheet Metal Engineering and Installing
FIRE PROTECTION SPRINKLER SYSTEMS
1761 W. Forest TEmple 1-7820

Maurice V. Rogers
General Construction
5737 Second Blvd. MAdison 6884

Maurice V. Rogers
General Construction
5737 Second Blvd. MAdison 6884
DETROIT, MICH.

Where Quality is Desired Specify
Another Installation
of
SEASON-AIRE
HEATING SYSTEMS
Pioneers in Air Conditioning
John L. Fuller, Inc.
7621 Woodward MAdison 0980
"A FULLER Measure of Service"

A complete line of metal and wood cabinets, stainless steel and enameled sinks, stainless linoleum, and temperprest tops, are on display in our showroom. Also the new coal burning AGA range, for both domestic and commercial use.

Our engineering department consists of experienced men, whose services are at your disposal.

THE J. E. STEVENS CO.
450 W. Fort St., Detroit Phone CHerry 6507
MORE ABOUT ELEVATORS

Dear Talmage:—

What is the matter with you, Talmage? The last Bulletin had a big long piece in it about Elevators and not a word about the most important advance in the art of elevator designing that has taken place since Shep was a pup. This great advance in the art of vertical transportation is the work of one of our greatest thinkers. Me.

What is the great drawback to the sale of millions of elevators; what is the reason there is not an elevator in every home? I pause for a reply. Getting none, I continue.

The reason is that the OLD-FASHIONED elevator could only be installed if the building had two or more floors. Not mine, Talmage. The Allen One-Story Non-Moving Passenger Freight and Express Elevator with Over-Drive and Venetian Blinds is subject to no such limitations. I should say not.

You could install it in a hole in the ground if you wanted to. It might not be a bad idea.

Architects' Luncheon
INTERCOLLEGIATE ALUMNI CLUB
13th Floor, Penobscot Building
Tuesday, July 21st, 12:30 p.m.

What is the most expensive part of an elevator installation? The motor and the guides and the gate and the cab. Does the Allen One-Story Non-Moving etc., etc., etc., which I call Eunice for short, require any of these costly items? Never!

MY elevator looks exactly like a coat closet. In fact, it IS a clothes closet. You stand inside it and press a button and a painting of an elevator shaft revolves past your eyes, giving you the illusion of rising. It also gives you a hell of a headache if you keep looking at it long enough. Every ten seconds a phonograph attachment says, “Floor Sixteen; Lingeries, Pianos, Concrete Mixers, French Bon-Bons and Ravioli.”

God knows I would not have bothered with this thing at all in such weather only I met a fellow name Bebb down at the Producers' Council banquet at Detroit and again at Williamsburg, and he makes elevators, he and Mr. Otis. He is a very nice fellow; every time I made a joke he would laugh very loud. Such men must be encouraged. So I thought this idea up and he can have it. There's millions in it, plus a mental breakdown if you ain't careful.

RÖGER ALLEN.

NOTICE OF ERROR

In the July 14th issue of the Bulletin a mistake was made in the spelling of THE J. E. STEPHENS CO name. The name of this company appeared as The J. E. Stevens Co., whereas it should have been THE J. E. STEPHENS CO. This company has just opened a new showroom at 450 West Fort St., where a complete line of metal and wood cabinets, stainless steel and enameled sinks, stainless linoleum and temperprest tops have been arranged in a most attractive display. The new coal burning AGA range, for both domestic and commercial use can be seen at their showroom.
"Too many foremen think their principal duty is to watch their men, to stand guard over them. I tell ours, their most important duty is to give their affection of your men; I would have you supervisors, he your title general manager or straw-boss, go back to the job and be supervisors in fact as well as in name; I would have you earn, earning, get, and getting, hold the respect, the confidence, the friendship and even the affection of your men; I would have you find them coming to you for advice on their personal problems, that some day you may feel that thrill, comparable to which there is no other, that which comes when you reach down a helping hand to some poor devil who is in a rut and who needs, and down in his heart wants, nothing quite so much as a friendly pat on the back and a kindly word of encouragement from his foreman that he now seldom gets.

"—that the secret of real happiness or success in life is not found in doing what one likes to do, but in liking to do what one has to do...

"—that two thirds of promotion consists of motion—that a man should look on his job as a stepping stone for today and not as a resting place for tomorrow...

"—that the limitations of a man are not the things he wants to do but can't, but rather the things he ought to do and does not because of indifference or laziness.

"I have always thought that if I were a foreman in these days I would never criticize a man nor bawl him out in the presence of other men. He will have more respect for me and certainly I will have for myself if I took him aside and talked to him alone; if I were mad, I would wait until I had cooled off and if the man was mad I would wait until he had cooled off; anger is never an argument. Were I a foreman I would never swear at a man; it is an unfair and cowardly advantage for a foreman to take of a workman because the man must stand and take it or lose his job; then, too, I have always felt that before a foreman can fairly claim the right to control other men he must first prove his ability to control himself.

"Management involves responsibilities not always recognized, and direct supervision carries with it a privilege and a stewardship of which only the exceptional supervisor has any conceptions whatever. I would have you supervisors, be your title general manager or straw-boss, go back to the job and be supervisors in fact as well as in name; I would have you earn, earning, get, and getting, hold the respect, the confidence, the friendship and even the affection of your men; I would have you find them coming to you for advice on their personal problems, that some day you may feel that thrill, comparable to which there is no other, that which comes when you reach down a helping hand to some poor devil who is in a rut and who needs, and down in his heart wants, nothing quite so much as a friendly pat on the back and a kindly word of encouragement from his foreman that he now seldom gets."

"—that while it is easy enough for a small man to make a big job shrink, it takes a big man to make a small job grow, and I doubt very much if there is in your organization or mine a single job which might not be made a bigger job than it is today, and that by the very man who is filling it if he only had the gumption to know it."

"Were I a foreman, I should get into the habit of pulling myself together at intervals each day; I would look about my gang or department and

ACME CUT STONE COMPANY
9630-9690 Greeley Ave. Detroit, Mich.

Harrigan & Reid Co.
Heating and Plumbing Contractors
1365 Bagley Ave.

CLASSIFIED BUILDING TRADES

GENERAL CONTRACTORS
GEORGE W. AUCH CO.—3646 Mt. Elliott, Plaza 1196.
DETROIT BUILDERS, INC.—10403 Avon Ave., Lenoxy 4944.

LUMBER DEALERS
DETROIT LUMBER CO.—5601 W. Jefferson Ave., Vinwood 1-2900.
HURD LUMBER CO.—6425 W. Ver­nor Highway, Vinwood 1-4120.
C. W. KOTCHER LUMBER CO.—2137 Gratiot Ave., Pitroy 3390.

INSULATION
Insulol Products Stocked by:
F. M. SIBLEY LUMBER CO., PL. 5100.

F. M. SIBLEY LUMBER CO.—6410 Kercheval Ave., Pitroy 5109.
WALLICH LUMBER CO.—3711 St. Aubin Ave., Temple 2-6660.

HARRIGAN & REID
Heating and Plumbing Contractors
1365 Bagley Ave.

IRONITE WATERPROOFING AND RESTO-CHER
WESTERN WATERPROOFING CO.
410 Murphy Bldg., Cadillac 9466.

PLUMBING, HEATING AND VENTILATING
E. B. REID.—8817 Mack Ave., Plaza 2547.
say to myself, 'What is there in this picture out
in front of me that I do not see,' because I can
promise you you will soon begin to see things to
which you had formerly been blind.'

* * *

'That reminds me that one of the problems of
every large organization is the man who knows a
lot of things which are not so. My observation on
that is that the thing a man is down on is some­
thing he is not up on.'

* * *

'Along that line I once heard a story of a divi­
sion superintendent who had been away from his
territory for quite an extended period only to find
upon his return that his organization had given a
particularly creditable account of themselves during
his absence. Recalling this circumstance at a home­
coming dinner given this superintendent, one of his
official friends jestingly said, 'It seems to me,
therefore, the job of division superintendent might
just as well be abolished.' All present joined in
the laughter which followed except the old general
manager, who said, 'Now hold on a minute, fellows;
ain't there something here you fail to get? You
show me the superintendent who has his men so
excellently organized, so well trained, and so loyal
to him that they will do even a better job of rail­
road when he is off the division than when he
is on it, and I will show you the honest-to-God
superintendent.' What is true of a superintend­
cy is equally true of any other supervisory job.'

GAR WOOD NAMES DANIEL M. KAGAY
MANAGER OF DEALER SALES
Frank H. Dewey, manager of the air conditioning
division of Gar Wood Industries, Inc., announces
the appointment of Daniel M. Kagay as manager
dealer sales for that division. Mr. Kagay was
formerly with the American Radiator Corporation
in their territorial sales division for thirteen years.

"Our national business has increased to such an
extent that we found it necessary to create a dealer
sales department," Mr. Dewey said. "We are now
appointing additional district representatives
throughout the country. Mr. Kagay will not only
select these new district representatives, but will
also direct their territorial work. Mr. Kagay will
cooperate with all of our dealers in their general
sales activities."

CINDER BLOCK INC.
ROY N. McCANDLICKS
President
A. V. LEGUE
Gen. Manager
H. J. VINCENT
Sales-Manager
CARL W. ASMUS
Sales-Engineer

INSULUX GLASS BLOCKS

Manufactured by the

OWENS ILLINOIS GLASS CO.

Now Carried In Stock

Call Us for Information and Prices

CADILLAC GLASS CO.

2570 Hart Ave. Detroit
PHONE LEnox 4940
Agree, Chas. N., 1140 Book Tower, CA. 9263.—Preparing plans for one story and basement building, 227x100, cor. Fenkel and Schaefer Rd.
Same.—Preparing plans for one story and basement building for Louis Kaufman (7 stores) 227x100.
Same.—Preparing plans for one story building between 7 Mile Rd. and Lappin for Weineman Real Estate Co.
Same.—Taking bids on sealing equipment, carpets, draperies, decorating, lighting fixtures, finish hardware on West Town Theatre.
Same.—Electrical contract on Davidson Bros. Inc. Building let to Dearborn Engineering Co.
Same.—Taking bids on revised plans and specifications for lathing, plastering and painting on Davidson Bldg., 10735-45 Gd. River. Also finish hardware.

Same.—Remodeling of Gladwin Theatre, Detroit. Bids closed.

Beaver Hard Board Products
"Sealed Granules"

Certain-teed Products Corporation
4478 Cass Avenue Detroit, Michigan

Fisher Wall Paper Co.
514 Randolph St.
DETROIT, MICH.

Specify
RM
Reg. U. S. Patent Office

Paints
Enamels
Varnishes
Lacquers

RINSHEDEX-MASON CO.
MANUFACTURERS
5935 Milford St. Detroit 5161

Fisher Wall Paper Co.

WILLIAM G. BAXTER
LANDSCAPE ARCHITECT
GARDEN DESIGNER
26 Peterboro Temple 2-7000
May 1 cooperate with you on your next project?

M. Den Braven & Co.
AIR CONDITIONING
HEATING CONTRACTORS
Garfield 5600 9080 Alpine


Lyndon & Smith, Robert Oakman Bldg.—Bids closed on Northville Grade School, PWA project.

Malcomson & Higginbotham, Inc.—Preparing working drawings and specifications for a City Hall at Benton Harbor, Mich.


Mildner & Eisen, 924 Hammond Bldg., RA. 0828.—Plans for addition to Evangelical Deaconess Hospital, 125x44, five stories, completed week of July 19.


Schilling, Edw. A., 409 Griswold, RA. 7850.—Plans and specifications for St. Peter's Cathedral, Marquette, Mich. Ready for figures on general contract and separate figures for electrical work. Bids will close Thursday, July 16 at 6 P. M. Plans can be had by addressing this office.

Tilds, Paul, 602 Hoffman Bldg., CA. 2610.—Residence with attached garage, Oakman Blvd. Figures by invitation.

Same.—Plans ready about July 28th for residence, Oakman Blvd., 35x34.

Weeks, Harry F., 133 E. Dreyton, Ferndale.—Taking figures on frame residence and garage, 13 Mile Road east of Telegraph Road.

Weidmeir & Gay, 112 Madison Ave. RA. 1047.—Figures on residence, 50x60, Sherwood Forest, being taken.

Same.—Figures on garage and Service Station, N. W. corner Chicago Blvd. and Dexter closed.

Same.—Taking figures on 2 stores, 40x70, Six Mile Road.

Wright, D. Allen, LA 4572, 133 W. Gd. Blvd.—Residence, Touraine Road, Grosse Pointe. Bids closed July 17.


W. D. BUTTERFIELD

Wells D. Butterfield, retired architect, who designed many churches in Detroit and other Michigan communities, and who became Farmington’s first mayor when that place became a city in 1926, died at his home, 2181 Eastlawn Avenue.

Mr. Butterfield was born 77 years ago at Algonac, Mich. During a professional career of nearly half a century, he designed between 60 and 65 churches throughout Michigan, some with the aid of his daughter, Mrs. Emily H. Crayton, who now lives in Albany, N. Y. Mr. Butterfield also designed Highland Park High School and grade schools in that city.

The church for which he was best known is the Wyandotte Congregational. Among others he designed are the Martha Holmes Methodist and the Wesley Methodist, Detroit; the Pontiac Baptist, Farmington Methodist, Traverse City Methodist, Laurium Methodist and Vassar Baptist.

Besides his daughter, Mr. Butterfield leaves his wife, Ida R., and a son, Duane O. Butterfield, of Mt. Clemens. The body was taken to Algonac for funeral services and burial.

FREDERIC B. STEVENS, INC.

Face Brick, Enamed Brick, Roofing and Floor Tile, Glazed Brick and Tile Representatives for FEDERAL SEABOARD TERRA COTTA Third and Larned Streets RANDOLPH 5990 DETROIT, MICH.

This Sight Meter measures light as accurately as a thermometer measures heat

A well-planned building today must have good lighting. If decorative fixtures are used, it is important that they furnish LIGHT as well as decoration. Too often, such fixtures are chosen chiefly because they are ornamental or attractive, instead of being considered as what they were originally intended—as sources of light. If you are in doubt as to the quality of the lighting in a building, a Sight Meter will quickly check the adequacy of illumination at any place in a room—as accurately as a thermometer measures heat. You are invited to use one at any time, without charge or obligation. Call Randolph 6800 and ask for the Lighting Division.

There are no substitutes for the services of an eyecare specialist, but proper lighting helps to protect eyes, good and bad, young and old.

THE DETROIT EDISON COMPANY
THEODORE HINCHMAN

Theodore Henry Hinchman, whose engineering and architectural genius was responsible for many of Detroit's large office and industrial buildings, died at 11:45 p.m. Thursday, July 10, at his home, 92 Vendome Road, Grosse Pointe Farms. Death resulted from complications following an illness of six months.

Born in Detroit 66 years ago, he was the son of the late Mr. and Mrs. John Marshall Hinchman and a great-grandson of Dr. Marshall Chapin, one of the city's early physicians.

After graduating from the old Detroit High School in 1887, he obtained his A. B. degree from the University of Michigan in 1891 and his B. S. degree in mechanical engineering in 1893. On Oct. 24, 1895, at Port Huron, he married Miss Emma MacAllen Ballentine.

HELD ORGANIZE FIRM

Shortly after leaving the university he entered the engineering field for himself and then helped organize the firm of Smith, Hinchman & Grylls, of which he was vice president and treasurer when he died.

Among the structures here which he and his firm built are the Penobscot, Union Guardian, J. L. HUDSON Co. and Fyfe Buildings, the Dodge Bros. plant, the Mistersky Station and transmission system of the Public Lighting Commission, and the high-pressure fire protection system of the City.

Always interested in the civic affairs of the City, State and Nation, Mr. Hinchman had actively served all three. He was a member of the Public Lighting Commission under the administration of Mayor George P. Coole, was made a member of the Michigan State Planning Commission by Gov. Fitzgerald a year ago last January, was president of the Village of Grosse Pointe Farms at the time of his death and had served on various Federal Government commissions with Mortimer E. Cooley, of the University of Michigan. During the Spanish-American War he served on the U. S. S. Yosemite.

HEADED CHURCH TRUSTEES

At the time of his death Mr. Hinchman was president of the Board of Trustees of the Grosse Pointe Memorial Presbyterian Church. He formerly had been president of the Detroit Club and was a member of the University Club, the Philatelic Society, the Prismatic and Witenagemote Clubs, Sigma Phi Fraternity and of the Alumni Council of the University of Michigan.

Mr. Hinchman's professional memberships included those in the American Society of Mechanical Engineers, American Society of Civil Engineers, the Detroit Engineers Society. He also was a member of the Detroit Board of Commerce.

An extensive traveler, Mr. Hinchman and his wife had collected a large number of art works in various parts of the world. A scholar and student of the classics and history, in addition to his engineering genius, the walls of many of the rooms in his home in Grosse Pointe Farms are lined with bookcases filled with volumes he had collected and read.

Surviving are his wife; three sons, Theodore Henry, Jr., David Ballentine and John Marshall Hinchman II, and two grandchildren, Anne Louise Hinchman, 4 years old, and Theodore Henry Hinchman V, 2 years old.

HOME DESIGNING SEEN REVOLVING ABOUT WIVES

The housewife will remain the center about which all home designing revolves, despite the research of experts, Lewis H. Brown, president of the John-
Manville Corporation, states.
Mr. Brown says that if lending banks should insist that homes be built efficiently to meet the home owner's income, "a constant search would be going on in 10,000 architects' offices, looking to give more value for the dollar budgeted for home ownership."
"But the wishes and desires of the woman of the home would still predominate," he added.

**WENZEL FLOORS**
J-M Asphalt Tile—Magnesite Composition Masonite
439 Penobscot Bldg. Randolph 5500

**MORGAN**
QUALITY WOODWORK
BUILD YOUR HOME
Architecturally CORRECT

**Schroeder Paint & Glass Co.**
POLISHED PLATE AND WINDOW GLASS
PAINTS, OILS, COLORS, VARNISHES, Etc.
5914-5938 Twelfth Street
Phone MADison 3500 Detroit, Mich.

---

**Specify a Dependable SELF-ACTION WATER HEATER of ample capacity**

Our Merchandise Sales Department carries a wide variety of self-action, storage-type water heaters, all of which bear the approval and endorsement of the American Gas Association's testing laboratories. Detailed information and prices will be supplied promptly upon request.

**DETROIT CITY GAS CO.**
Baglev at Clifford CHERry 3500
BRANCHES:
Blvd.—General Motors Bldg. Wyandotte—3013 Biddle Ave.
LET AN ARCHITECT PILOT YOU HOME-WARD

From advertising of Libbey-Owens-Ford Glass Company appearing in national magazines.

Countless new building materials are now available. Fascinating new designs for living result from their architectural application. The possibilities that lie in building a new home, today, are as limitless as the skies themselves. And, because of the almost infinite choice of things to do and ways to do them, competent guidance in building is as essential as it is in winging homeward through the air.

A competent pilot brings the modern transport plane safely to its destination. Let an architect bring you safely to yours . . . keeping you on your course, selecting materials with experienced ability, specifying their various uses with artful skill. Competent architectural counsel is the best assurance of permanent satisfaction with your home and lasting value in your building investment.

Among the many things your architect's advice will help you determine is the most effective, most practical use of the larger glass areas, both inside and out, that make today's new houses so bright and cheery and livable.

Fly home-ward—new home-ward—on the wings of the more favorable economic wind that makes today the time to build. And assure yourself a "happy landing" by RETAINING THE SERVICES OF AN ARCHITECT.

**Maurice V. Rogers**  
**General Construction**  
5737 Second Blvd.  
Madison 6884  
DETROIT, MICH.

**A SIGN SERVICE THAT EVERY ARCHITECT REQUIRES**

Our Creative Art and Engineering Departments Are Always At Your Service

**Walker & Co.**  
NEON SIGNS--ELECTRIC SIGNS  
88 Custer Avenue  
TRinity 2-6030

Glance & Killian Co.  
CONTRACTORS  
Plumbing - Heating - Sheet Metal  
Engineering and Installing  
FIRE PROTECTION SPRINKLER SYSTEMS  
1761 W. Forest  
TEmple 1-7820

**KELVINATOR CORP.**  
FACTORY BRANCH  
2845 W. Grand Blvd.  
MA. 9840

A complete line of metal and wood cabinets, stainless steel and enameled sinks, stainless linoleum, and temperprest tops, are on display in our showroom. Also the new coal burning AGA range, for both domestic and commercial use.

Our engineering department consists of experienced men, whose services are at your disposal.

**THE J. E. STEPHENS CO.**  
450 W. Fort St.  
Phone CHerry 6507  
DETROIT
CITY OF DETROIT

THE CIVIL SERVICE COMMISSION
15th Floor, Water Board Building

The Civil Service Commission will hold the following examinations in the City of Detroit on the dates indicated:

ARCHITECTURAL DESIGNERS—August 7, 1936
- Senior Architectural Draftsman
  14 vacancies; salary—$2040 per year.
- Junior Architectural Engineer
  6 vacancies; salary—$2880 per year.
- Assistant Architectural Engineer
  1 vacancy; salary—$3600 per year.

STRUCTURAL DESIGNERS—August 10, 1936
- Senior Structural Engineering Draftsman
  16 vacancies; salary—$2640 per year.
- Junior Structural Engineer (Design)
  8 vacancies; salary—$2880 per year.
- Assistant Structural Engineer (Design)
  1 vacancy; salary—$3600 per year.

CIVIL ENGINEERING (Sanitary) DESIGNERS—August 11, 1936
- Senior Civil Engineering Draftsman
  20 vacancies; salary—$2640 per year.
- Junior Civil Engineer (Sanitary Design)
  10 vacancies; salary—$2880 per year.
- Junior Assistant Civil Engineer (Sanitary Design)
  6 vacancies; salary—$3240 per year.
- Assistant Civil Engineer (Sanitary Design)
  3 vacancies; salary—$3600 per year.

MECHANICAL EQUIPMENT DESIGNERS—August 12, 1936
- Senior Mechanical Engineering Draftsman
  12 vacancies; salary—$2640 per year.
- Junior Mechanical Engineer (Mechanical Equipment Design)
  2 vacancies; salary—$2880 per year.

ELECTRICAL EQUIPMENT DESIGNERS—August 13, 1936
- Senior Electrical Engineering Draftsman
  5 vacancies; salary—$2640 per year.

NOTE: Salaries are quoted on an annual basis for a forty hour (five-day) week. Number of vacancies is estimated. Tenure of all positions is estimated from one to two years—for the duration of the Sewage Disposal Project (PWA).

ASSOCIATE SANITARY ENGINEER (Plumbing Inspection)—September 10, 1936
- 1 vacancy; permanent tenure; salary—$4200 per year.

SPECIAL NOTE: All applicants for any of the above examinations desiring to report for examination in Detroit, and who file their applications with this Commission on or before one week prior to the date of the examination will be examined in Detroit on the above dates. Also, applicants for the four examinations for Civil Engineering (Sanitary) Designers may be Examined in Chicago, Illinois, Columbus, Ohio and New York, New York on August 11, 1936. For persons unable to file their applications within the above specified time limit, or unable to report to the above named cities, examinations will be held for all the above named positions on September 10, 1936, to be given in the following cities only:
- Detroit, Mich.
- Cincinnati, Ohio
- Boston, Mass.
- Columbus, Ohio
- New York City, N. Y.
- Cleveland, Ohio

Architects’ Luncheon
INTERCOLLEGIATE ALUMNI CLUB
13th Floor, Penobscot Building
Tuesday, July 28th, 12:30 p. m.

Completed applications, on forms furnished by this Commission, must reach this Commission in sufficient time to make arrangements by ordinary mail for the administering of the examinations which in no case will be less than one week.

For persons not legal residents of Detroit, this Commission reserves the right to make arrangements for only those positions, for which applicants appear to possess the minimum entrance (Continued on page 5)
The third golf outing of the Architects, Builders and Traders, dedicated to the Architects, was a huge success. The weather was perfect, a fine crowd was there and the dinner was the best ever. The cutting was held at Knollwood through the courtesy of Charles N. Agree who was given a big vote of thanks.

Low net of 69 won the cup for Chas. Sestok, Jr., and Geo. Emery had the low gross of the day, a fine game of 81.

Among the guests present at the dinner were:
- Fred Tinsley, Tinsley Iron & Stair Co.;
- Walter Geisinger, King, Wire & Iron Products;
- Mr. Winn, United States Gypsum Co.;
- Leo J. Heenan, Architect; Paul Marshall, Aluminum Co. of America;
- Wm. C. Palmer, Architect; Clary Ditchy, Architect; Branson V. Gamber, Architect; Frank R. Patterson, Patterson Eng. Co.;
- Wm. W. Busch, John D. Busch & Sons; Al. O'Connor, Koenig Coal & Supply Co.; Mr. Fletcher; Harlan S. Smith, Contractor; Steve Taylor, Taylor & Gaskin; A. B. Johnson, N. Y. C. Lines; Bill Cleveland, Taylor & Gaskin; Nate Tarnow, Tarnow Electric Co.;
- Norman Grams, Warring Electric

H. H. Miller, Masonite Corp.
Peter Galdoni, Cooper Supply Co.
Herman Vanbrook, Vanbrook-Gowan Co.
J. Ivan Dise, Architect
A. H. DeCou, Crystal & Cruickshank
Dave Little, Harold Redfield
Frank Chapper, Chapper Iron Works
H. O. Nelson, Nelson Co.
B. A. Capp, Wolverine Marble Co.
A. W. Kutsche, A. W. Kutsche & Co.
W. C. Markle, Schroeder Paint & Glass Co.
A. G. Ostenfeld, Ostenfeld Engineering Co.
L. B. Jameson, Architect
R. H. Hidey, R. H. Hidey
Tom Murray, Huron Portland Cement Co.
Ed. Horning, Detroit Lumber Co.
Ray Giffels, Giffels & Vallet, Inc.
Erwin Farr, Belden Stark Brick Co.
Tom Reed, United States Gypsum Co.
E. B. Faquier, Talmage Hughes

CLASSIFIED BUILDING TRADES

GENERAL CONTRACTORS
GEORGE W. AUCH CO.—3848 Mt. Pleasant Ave. Detroit 1269
DETROIT BUILDERS, INC.—19403 Charlevois Ave. Detroit 9494
PETER A. KOCK & SONS—4957 Dickerson Ave. Detroit 3718
TUXEDO. 3-1633

INSULATION
Insulating Products Stocked by:
F. M. SIBLEY LUMBER CO., FL 5109
DETROIT LUMBER CO., VI 1-2090
LOWIE AND WEBB LUMBER CO., OR 1111

LUMBER DEALERS
DETROIT LUMBER CO.—5601 W. Jefferson Ave., Vinewood 1-2090
HURD LUMBER CO.—5625 W. Vernor Highway, Vinewood 1-4120
C. W. KOTCHEL LUMBER CO.—2137 Gratiot Ave., Fitzroy 3390
O'HARA-QUINLAN LUMBER CO.—1481 Meyers Rd., Higgarth 5110
RESTRIFF LUMBER CO.—1000 W. Grand Blvd. Lafayette 0500
F. M. SIBLEY LUMBER CO.—4660 Kercheval Ave., Fitzroy 5100
WALLICH LUMBER CO.—3741 St. Aubin Ave., Temple 2-6680
IRONITE WATERPROOFING AND RESTO-CRETE
WESTERN WATERPROOFING CO. 110 Murphy Blvd., Cadillac 9464
PLUMBING, HEATING AND VENTILATING
E. B. REED.—8817 Mack Ave., Plaza 2537
Prizes were won by flight drawings as follows:

**FLIGHT 1**—First Prize, W. D. Pittman, Jr.; Second Prize, Geo. Emery; Third Prize, Larry Hume.

**FLIGHT 2**—First Prize, Otis Smith; Second Prize, E. L. Hubbard; Third Prize, Larry Hughes.

**FLIGHT 3**—First Prize, Jerry Trembath; Second Prize, E. W. Carey; Third Prize, Chas. N. Agree.

**FLIGHT 4**—First Prize, H. O. Nelson; Second Prize, Erwin Farr; Third Prize, B. A. Capp.

**CONSOLATION PRIZE:** Jess Stoddard, Ed. Honning, Bill Seeley, A. G. Ofenstein, Darwin Gothro.

**BOOTH FELLOWSHIP AWARDED**

Mr. Frederick Hinton Graham of Muncie, Ind., has been awarded the George G. Booth Traveling Fellowship in Architecture, University of Michigan. Mr. Graham has been an outstanding student in Architectural Design throughout his course. Mr. Earl W. Pellerin of Detroit, who graduated in 1927, was placed second, Mr. David W. Klibanow of Chicago, who received his degree in June, placing third. The winner receives $600 toward his expenses to be used in foreign travel.

The problem of the competition was to design a building to be used as a Cooperative Center of Architecture and Allied Arts, where artists and craftsmen could find opportunity for practical work, study and research. Students were allowed two weeks to make the drawing, working without criticism. Three students made the drawing in Ann Arbor and the competitors from outside the state prepared their drawings in New York City, Chicago and Monroe, Wisconsin.

The jury consisted of the following Detroit architects: Messrs. Henry F. Stanton, Clair W. Ditchey, Branson V. Gamber, W. E. Kapp, and Ralph Calder, the latter in 1924 was the first to win the fellowship. Faculty members who served on the jury were Professors Emil Lorch, Jean Hebrard, Roger Bailey and Wells Bennett.

---

CINDER BLOCK INC.

**ROY N. McCANDLESS**
President

**A. V. LEECE**
Gen. Manager

**H. J. VINCENT**
Sales-Manager

**CARL W. ASMUS**
Sales-Engineer

WENZEL FLOORS

J-M Asphalt Tile—Magnesite Composition Masonite

439 Penobscot Bldg. RANDolph 5500

Glanz & Killian Co.
CONTRACTORS

Plumbing - Heating - Sheet Metal Engineering and Installing

FIRE PROTECTION SPRINKLER SYSTEMS

1761 W. Forest TEMple 1-7820

---

Gar Wood Industries have developed, and now introduce, an air conditioning and heating system which uses Detroit's new gas for fuel.

This gives home owners their choice of either fuel—oil or gas. It gives them the utmost economy that can be obtained from either fuel. And it gives them the year-round luxury of genuine air conditioning, with its great benefits in health, comfort, cleanliness and freedom from labor or worry.

Owners say Gar Wood oil heat costs less than coal. Our tests prove to us that Gar Wood gas heat sets new standards in gas economy.

Choose your fuel. But be sure to choose Gar Wood air-conditioning. Telephone and let us tell you why.

---

AIR CONDITIONING DIVISION

GAR WOOD INDUSTRIES, Inc.

Detroit Branch
409 Connecticut Avenue
LONGfellow 6256
MICHIGAN SOCIETY OF ARCHITECTS

ARCHITECTS' REPORTS

Agree, Chas. N., 1140 Book Tower, CA. 9263.—Preparing plans for one story and basement building, 227x100, cor. Fenkel and Schaefer Rd.

Same.—Preparing plans for one story and basement building for Louis Kaufman (7 stores) 227x100.

Same.—Preparing plans for one story building between 7 Mile Rd. and Lappin for Weineman Real Estate Co.

Same.—Taking bids on sealing equipment, carpets, draperies, decorating, lighting fixtures, finish hardware on West Town Theatre.

Same.—Taking bids on revised plans and specifications for lathing, plastering and painting on Davidson Bldg., 10735-45 Gd. River. Also finish hardware.


Same.—Remodeling of Gladwin Theatre, Detroit. Bids closed.


Same.—Preparing plans for four story brick and concrete structure for toilet rooms. Owner’s name withheld.

Same.—Preparing plans for wirepickling installation in Steel Mill at Rouge Plant of Ford Motor Company.

Same.—Preparing plans for switch gear installations to serve foundry at Rouge Plant of Ford Motor Company.

Same.—Taking bids on structural steel and architectural trades for addition to Power House at McGraw Avenue Plant of Kelsey-Hayes Wheel Co.

Same.—Taking bids on structural steel for alterations and additions to Foundry at Military Avenue Plant of Kelsey-Hayes Wheel Co.

Same.—Murray Corporation of America let separate contracts for addition to Press Shop at Ecorse Plant as follows: Structural Steel, Whitehead & Kales; Mason Work, Esslinger-Misch Co.; Roof and Sheet Metal—J. P. Candler; Glass and Glazing, Cadillac Glass Co.; Building and Machine Foundations, A. F. Smith Co.

Hughes, Talmage C., 120 Madison, CH. 7660.—Preparing plans for four story, 24 apartment building, Merrill Palmer Subdivision. Ready for bids on sub contracts in about two weeks.


Same.—Preparing plans for small church—Mayflower Congregational Church.


Same.—Revised plans on store building, Van Dyke and Harper. Contracts let soon.

Same.—Plans for 3 stories, recreation room in basement, 43x100. Brick and steel construction, Jos. Campau Ave., completed July 27.


Lyndon & Smith, Robert Oakman Bldg.—Bids closed on Northville Grade School, PWA project.

Malcolmson & Higginbotham, Inc.—Preparing working drawings and specifications for a City Hall at Benton Harbor, Mich.

Same.—Preparing preliminary drawings for new Home for the Aged. Owners, Kings Daughters and Sons, Detroit.


Mildner & Eisen, 924 Hammond Bldg., RA. 0828.—Addition to Evangelical Deaconess Hospital, 125x44, five stories. Taking figures.


Specify
R M
Reg. U. S. Patent Office
Paints
Enamels
Varnishes
Lacquers
RINSHEDE-MASON CO.
MANUFACTURERS
5935 Milford St. Detroit
Garfield 5161

Fisher Wall Paper Co.
514 Randolph St.
DETOIR, MICH.
6 Local Stores Cadillac 5850
Wall Paper, Paints, Window Shades

M. Den Braven & Co.
AIR CONDITIONING
HEATING CONTRACTORS
Garfield 5600 9080 Alpine
MICHIGAN SOCIETY OF ARCHITECTS


Tilds, Paul, 602 Hoffman Bldg., CA. 2610.—Residence with attached garage, Oakman Blvd. Figures by invitation.

Tilds.—Plans ready about July 28th for residence, Oakman Blvd., 35x54.

Weeks, Harry E., 133 E. Dreyton, Ferndale.—Taking figures on frame residence and garage, 13 Mile Road east of Telegraph Road.

Weldmeir & Gay, 112 Madison Ave. RA. 1047.—Figures on residence, 50x60, Sherwood Forest, being taken.

Same.—Figures on garage and Service Station, N. W. corner Chicago Blvd. and Dexter closed.


CITY OF DETROIT
THE CIVIL SERVICE COMMISSION
(Continued from page 1)

qualifications. All applicants must be at least twenty years and six months of age, and of good health, habits and moral character.

All examinations will be public, free and competitive to all citizens of the United States, who conform to the specific limitations as provided. “Examinations shall be practical in their character, and shall relate to those matters which will fairly test the relative capacity of the persons examined to discharge the duties of the positions to which they seek to be appointed, and may include tests of physical qualifications and health, and when appropriate, of manual skill.” (Excerpt, Sec. 11, Chapter 2, Charter of the City of Detroit.)

SUBJECTS AND WEIGHTS OF EXAMINATION
1. Tests in knowledge of subject (written test) 30%
2. Character, reputation, veracity, physical condition, etc. 30%
3. Practical or academic education and training 30%
4. Experience in this, or similar work 10%

Further details, as to duties, responsibilities and minimum qualifications may be obtained by applying to the Commission at the above address. (Minimum entrance qualifications are to be interpreted as to the requirements of successful applicants and not as restricting the right of any person to be examined, who otherwise meets the above general requirements.)

CIVIL SERVICE COMMISSION
Fred W. Smith
Secretary and Chief Examiner.
Dated: July 24, 1936

CLASS TITLE:
SENIOR ARCHITECTURAL DRAFTSMAN
DUTIES STATEMENT: Under supervision, to perform the more difficult drafting work in connection with architectural designing; to design the less complicated structures; and to perform related work as required.

EXAMPLES OF WORK PERFORMED: Typical Examples: On assigned general tasks involving the use of some independent judgment in working out the details and subject to check and consultation during process and upon completion; preparing architectural designs for various types of building and structures such as bath houses, pumping stations, airport hangars or other buildings of moderate size; arranging and laying out floor plans; drawing appropriate elevations; detailing and preparing working drawings for all parts of buildings such as windows, doors, stairways, and floor sections; preparing schedules of materials such as doors and windows; writing specifications; estimating amounts of materials necessary for construction; making sketches and preparing perspectives for proposed buildings; making layouts and plans for proposed structures such as garbage incinerators.

Detroit Lumber Co.
"Most Modern Finish Factory In Michigan"
Special Millwork, Cabinets and Stairs
No Charge for Service or Shop Drawings
5601 W. Jefferson Ave. VInewood 1-2090

JOHN H. FREEMAN
ARCHITECTURAL HARDWARE
PROPERLY SERVICED
Architects' Bldg. TEmple 1-6760

GOOD HARDWARE FOR OVER 50 YEARS
RAYL'S
1233 Griswold Street

PERMUTIT
Water Softeners and Filters
Uses Downflow Principle
Made with Automatic or Manual Control

HAND OPERATED
HARD WATER MADE ABSOLUTELY SOFT
No Home Is Modern Without Water Treatment

Air Conditioning Corp.
6150 Second Boulevard
PHONE MAdison 1450
and municipally owned apartment houses, and making preliminary estimates of their cost; as required, supervising the work of a small group of draftsmen assigning tasks, instructing and checking the work. Other Examples: Making tracings of plans and layouts; keeping records of costs of construction.

MINIMUM ENTRANCE QUALIFICATIONS:
Education equivalent to graduation from a university of recognized standing with specialization in architecture; some experience in performing the more difficult drafting work in connection with architectural designing and in designing the more elementary structures; reasonable knowledge of the methods and practices of making architectural drawings and plans including the standard symbols and conventions and some familiarity with materials and practices of building construction; reasonable skill in handling drafting instruments and ability to make complicated, neat, and accurate drawings and prepare free hand sketches; mechanical aptitude; hand-eye coordination; initiative and resourcefulness in making clear representations of architectural projects; no serious defects of vision, hearing or members.

CLASS TITLE:
JUNIOR ARCHITECTURAL ENGINEER
DUTIES STATEMENT: Under general supervision, to perform responsible technical work in the forming or developing of architectural plans and designs of municipal buildings and structures; and to perform related work as required.

TYPICAL EXAMPLE OF WORK PERFORMED: With some latitude for independent action and judgment in carrying out the work, but having the policies and plans approved by the superior; preparing architectural designs for municipal buildings and structures, including preliminary sketches of the smaller projects and general features of the design and scaled details of the more important and larger buildings and structures; preparing preliminary cost estimates from tentative drawings and sketches and details cost estimates from working drawings; writing specifications; serving as a squad leader of a small group of draftsmen performing drafting work in connection with architectural design.

MINIMUM ENTRANCE QUALIFICATIONS:
Education equivalent to graduation from a university of recognized standing with specialization in architecture; reasonable experience in performing the more difficult drafting work in connection with architectural designing and in designing the more elementary structures; reasonable knowledge of the methods and practices of making architectural drawing and plans, including the standard symbols and conventions and familiarity with materials and practices of building construction; reasonable skill in the mechanics of design and the preparation of free hand sketches; mechanical aptitude; hand-eye coordination; initiative and resourcefulness in hand.

MORTGAGE FUNDS
For construction or refinancing on Federal Savings and FHA plans. Applications handled by experienced personnel.

Wayne County Federal Savings & Loan Assoc.
Wayne and Detroit, Mich. Tel. Wayne 530

O. W. BURKE COMPANY
GENERAL CONTRACTORS
FISHER BUILDING
Detroit, Michigan
Madison 0819

NELSON COMPANY
DETROIT — ROYAL OAK — ANN ARBOR
Phone Randolph R. O. Ann Arbor 4102 3480 23701

WHOLESALE PLUMBING AND HEATING SUPPLIES
Dependable Products—Dependable Service

BUILDERS’ SUPPLIES
H. H. Dickinson Company
Main Office Telephone
5785 Hamilton 4950 Madison

WE WILL BE GLAD TO SERVE YOU

PUNCH AND JUDY THEATRE
Kercheval at Fisher Road Niagara 3898

THURSDAY, JULY 28—SATURDAY, AUGUST 1
Ronald Coleman—Audette Cobert in "Under Two Flags"
Rochelle Hudson—Paul Kelly in "The Country Beyond"

SATURDAY, JULY 31—THURSDAY, AUGUST 4
Douglas Fairbanks, Jr.—Elissa Landi in "The Smiling Ghost"—TUES., AUGUST 2—4
Douglas Fairbanks, Jr.—Elissa Landi in "Under Two Flags"—TUES., AUGUST 2—4
Douglas Fairbanks, Jr.—Elissa Landi in "The Country Beyond"—TUES., AUGUST 2—4
MICHIGAN SOCIETY OF ARCHITECTS

Preparing reports in conjunction with the projects under assignment.

MINIMUM ENTRANCE QUALIFICATIONS:
Education equivalent to graduation from a university of recognized standing with specialization in architecture; considerable experience in architectural design, a reasonable part of which must have been in a supervisory capacity; considerable familiarity with the principles and methods of architectural design, a part of which has been in relation to public works structures; reasonable ability to analyze problems in architectural design as related to municipal structures and to plan and supervise the work; mechanical aptitude; tact in dealing with subordinates and other departmental personnel; initiative and resourcefulness in handling difficult and unusual problems in connection with architectural design; no serious defects of vision, hearing or members.

AGE LIMITS: Minimum, 27 years.

ARCHITECTS WILL BENEFIT THROUGH BRIGGS CAMPAIGN

Detroit.—Development of new colors and designs for bathrooms and kitchens and an appeal for cooperation with architects will be featured in a big newspaper advertising campaign which the Plumbing Ware Division of the Briggs Manufacturing Company will begin Sunday, August 2, on behalf of its formed metal plumbing fixtures known as Beautyware.

The first advertisement will be a full page in four colors and will appear in the rotogravure sections of 13 of the 18 Sunday newspapers to be used. According to Charles A. McElhone, advertising director of the division, more than 16,000,000 readers will be exposed to the announcement as the combined circulation of the newspapers scheduled.

The opening full page, color advertisement, which will feature the fact that "Beautyware Brings a New Personal Luxury to your Bathroom and Kitchen," will be followed by a series of smaller advertisements in black and white—all run in the building sections of the Sunday papers. Names of prospective new builders will be obtained through a coupon requesting a copy of the new 40-page brochure which pictures the entire line of Beautyware plumbing fixtures and suggests many modern designs for bathrooms and kitchens. The coupon will indicate whether the prospect is interested in new building or remodeling.

Copy in the first full page advertisement points out that "your architect will be happy to work out with you a decorative scheme using Beautyware fixtures as the keynote."

Each architect was scheduled to receive from the factory a letter pointing out that "where price made color effects impossible before, they can now be achieved with Briggs Beautyware." The letter adds that "the two-tone effects also allow you a wider range of choice in color and materials for finishing walls, ceilings and floors."


HENRY WRIGHT

Henry Wright, professor of town planning at Columbia University and nationally known architect and housing expert, died at Newton, N. J., on July 9.

Where Quality is Desired Specify

Another Installation of

SEASON-AIRE HEATING SYSTEMS

Pioneers in Air Conditioning

John L. Fuller, Inc.

7621 Woodward MAdison 0980

"A FULLER Measure of Service"

THE MODERN GENERAL GE ELECTRIC KITCHEN

Our Kitchen Planning Department will co-operate with you in scientifically laying out your kitchen, without obligation.

CASWELL INC.

478 W. Canfield TEmple 1-6850

Michigan Distributors for General Electric Home Servants
Kitchens today are taking their design keynote from striking two-tone or solid color Briggs Beautyware Sinks. These are available in sizes and styles to meet every layout and color scheme. And all are formed-metal with acid-resisting vitreous porcelain surfaces—the same as Beautyware bathroom fixtures. And remember to tell your customers that there is no extra charge for acid-resisting vitreous porcelain surface!

The strength, long life and superb quality of Briggs Beautyware recommend it to the home owner, as well as the architect, builder and master plumber. On your next kitchen work choose Beautyware. Modernize with these beautiful sinks. You will please the home owner and give him the finest value his money can buy. Permanent satisfaction is assured, too—for all tests have proved the Beautyware cannot rust and is far stronger and has a longer life than other fixtures.

BRIGGS MANUFACTURING CO., DETROIT • PLUMBING WARE DIVISION
MICHIGAN SOCIETY OF ARCHITECTS

E. H. MEAD, PROMINENT ARCHITECT, IS DEAD

Earl H. Mead, prominent Harbor Springs architect, died at his home at Harbor Spring, July 3.

Mr. Mead was born in Lansing in 1871. He first went into business as an architect in Lansing, and went to Harbor Springs in 1896. He was a member of the Harbor Springs lodge No. 378 of Masons.

Mr. Mead was a member of the First Presbyterian church. He served as director of the choir for nearly forty years and was clerk of session at the time of his death.

He is survived by his wife, Lela, two daughters, Mrs. Ernest H. Burt of Washington, D. C., and Mrs. Edward Burt of Harbor Springs, one brother and four grandchildren.

ERROR CONCERNING MISS BUTTERFIELD

In an item published recently in the Detroit News and in the Weekly Bulletin concerning the death of Mr. Wells B. Butterfield, several unfortunate errors were made. The item should have stated that Mr. Butterfield left his daughter, Miss Emily H. Butterfield who now lives in Detroit and two sons, Clayton Butterfield who now lives in Albany, New York, and Duane O. Butterfield of Mt. Clemens, Michigan.

MARTIN & KRAUSMANN CO.
GENERAL CONTRACTORS
955 East Jefferson Randolph 9865

GAR WOOD OFFICIAL NAMED REGIONAL DIRECTOR BY OIL BURNER INSTITUTE

Frank H. Dewey, manager of the air conditioning division of Gar Wood Industries, Inc., has been made regional director for the Oil Burner Institute, 30 Rockefeller Plaza, New York City, for the year ending April, 1937.

Mr. Dewey will serve the metropolitan Detroit region.

Membership of the Oil Burner Institute consists of the nation's leading manufacturers of oil burning appliances and other affiliated industrial concerns.

"Standard"
PLUMBING FIXTURES
"Most Modern, Complete Display Rooms in the Middle West"

Murray W. Sales & Co.
MADISON 4200
DETOUR
PONTIAC
WYANDOTTE
FLINT

PATRONIZE OUR ADVERTISERS

To Further Your Own Interests

Now you can further your own interests by offering your prospects and clients houses equipped with the modern, completely automatic heat—NATURAL GAS.

The new rates put the luxury and convenience of gas heat within the reach of nearly every home owner's and renter's budget.

Call the Home-Heating Division for the technical facts about installing gas-designed or conversion heating units.

DETROIT CITY GAS COMPANY
CLIFFORD AT BAGLEY
Boulevard—General Motors Bldg.
Hamtramck—11.01 Joseph Campau
Phone CHeery 3500

Wyandotte—3013 Biddle Avenue
Dearborn—22113 Michigan Avenue
THE RACKHAM ENGINEERING FOUNDATION

Time will prove that a most outstanding achievement for engineering and for the City of Detroit was definitely established when articles of incorporation of THE RACKHAM ENGINEERING FOUNDATION were filed June 12, 1930. The worthiness and civic value of this FOUNDATION is assured in the appointment of Standish Backus, Alex Dow, Edsel B. Ford, Bryson D. Horton and William S. Knudsen as life-long trustees of the corporation. The new corporation will have title to the $500,000 Endowment created by the Horace H. Rackham and Mary A. Rackham Fund for the benefit of the engineering professions and allied arts and sciences in the Detroit area, and for the assistance of the public in meeting engineering problems.

Under the plan adopted, the net income from the Endowment will be paid to the Engineering Society of Detroit, incorporated April 15, 1930. The purposes of this Society are educational and scientific. Its aims will be to aid the public in solving civic questions involving engineering problems, encouraging research in investigations of engineering matters of public interest, and in providing library service, lectures, publications and instructions on subjects tending to increase technical skill and social usefulness.

The Rackham Engineering Foundation will have authority to assign a portion of their income, not exceeding 25 per cent thereof per year, to pay the expenses of studying, investigating and exploring the practicability or wisdom of any proposed, contemplated or partially constructed public project in the Detroit area involving engineering skill, judgment or knowledge and of reporting to or advising any public body, commission or authority thereon.

The Trustees of the Rackham Estate are to be highly complimented and commended for their keen wisdom and foresight in making such fertile provisions for the public's civic and engineering interest. The Detroit City Plan Commission is in heartiest accord with each and every agency that aims toward better civic values, and regards The Rackham Engineering Foundation as one of the most remarkable opportunities for great civic achievement in Detroit's history.

—The Planner

GREAT DOME IS REGILDED

The work of repairing and re-gilding the great dome of the Invalides church in Paris, beneath which Napoleon's tomb lies, has begun. The dome was built by Mansart at the beginning of the seventeenth century. In its re-gilding a quarter of a million pieces of gold leaf, each measuring about three and a half square inches, will be used. Only the decorations are being re-gilded, but these represent a considerable area of the dome. At present they are scarcely distinguishable, as the last restoration work was done in 1869.

Moynahan Ornamental Metals Co.
THE FINEST ORNAMENTAL ALUMINUM, BRONZE, AND IRON WORK
2658 Porter St. Lafayette 1316

A SIGN SERVICE THAT EVERY ARCHITECT REQUIRES
Our Creative Art and Engineering Departments Are Always At Your Service

Walker & Co.
NEON SIGNS—ELECTRIC SIGNS
88 Custer Avenue TRinity 2-6030

Maurice V. Rogers
General Construction
5737 Second Blvd. MAdison 6884

DETROIT, MICH.