Shown above is architects' perspective of the $35,000,000 CBS Television City, now under construction on a 25-acre site in Los Angeles. It will contain facilities for all aspects of television production and telecasting. Pereira & Luckman are architects. Mr. Charles Luckman will be the Guest of Honor and Speaker at the Michigan Building Industry Banquet, concluding event of the Michigan Society of Architects 37th Annual Convention at Detroit's Hotel Statler, March 7—9, 1951.
WELCOME TO THE CONVENTION OF THE MICHIGAN SOCIETY OF ARCHITECTS!
Visit our exhibit in Parlor F, Statler Hotel, March 7, 8, 9, and 10

BRICK AND TILE OF EVERY KIND—FOR EVERY PURPOSE

We have the largest and most diversified line of brick and tile to be found—anywhere. We cordially invite you to inspect the various sizes, types, shapes and colors at our Display Room at 1800 18th Street.

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CLEAR GLAZES • SALT GLAZES • UNGLAZED—various sizes and colors.
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Greetings

From the Membership

The Detroit AGC Chapter

Now in its thirty-fifth year of industry and community service—

THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA
DETROIT CHAPTER, INC.

1437-8-9 Book Building

1437-8-9 Book Building

MARCH, 1951
LATE BULLETINS

A. I. A. HONOR AWARDS

Detroit Chapter members have received from Washington the announcement of the Third Annual Program of National Honor Awards of The American Institute of Architects.

Andrew R. Morison, president of the Detroit Chapter, A.I.A., urges members to participate by sending in their entries direct to The Octagon on or before April 21, 1951.

There will be no pre-qualification by the Chapter, and there are no limitations as to the number of submissions from each chapter, therefore, initiative is up to each Chapter member.

President Morison, at the suggestion of the Chapter Executive Committee, has requested Malcolm R. Stirton, Chairman of the Chapter's Committee on Education and Registration to act as the agency to further this activity. Needless to say, the Chapter Board would like to see a goodly number of submissions from this area. Entries will be judged at the Institute Convention in Chicago, the second week in May.

WANTED — Several first-class architectural draftsmen, also some tracers—Schley & Ward, Architects & Engineers, 16851 James Couzens Highway, Detroit 27, Mich. Telephone UNIVERSITY 4-2327.

M. E. S. ANN ARBOR CONVENTION

The Michigan Engineering Society will hold its 71st Annual Meeting at the Michigan Union in Ann Arbor, April 6 and 7, 1951.

The Ann Arbor Engineer's Club is sponsoring this year's meeting, and a series of technical sessions, entertainment and tours is being planned.

Ivan C. Crawford, Dean of the Engineering College at the University, will be the principal speaker at the banquet Saturday evening.

James O. Coates, of Grand Rapids, is President of MES. Our own Leo M. Bauer, President of the Michigan Society of Architects, is a director.

CRANBROOK EXHIBITION

The Third Biennial Exhibition of Textiles and Ceramics will be held at the Museum of Cranbrook Academy of Art, Bloomfield Hills, Mich., March 3 through 25. The Museum will be open from 2 to 5 P. M. daily except Monday.

CENTURY BRICK COMPANY has just been appointed distributor for Pittsburgh-Corning Glass Block, also for Chem Brick. These products will be in the company's display at the M.S.A. Convention at Hotel Statler, March 7-10. (Continued on Page 130)
If construction is in prospect . . . call us—we will be happy to talk with you.

CUNNINGHAM-LIMP COMPANY
GENERAL CONTRACTORS
Telephone TRinity 3-4000, 3087 W. Grand Boulevard
DETROIT 2, MICHIGAN
it's the nation's largest COPPER roof

Specially designed rubber-tired carts moved with lines and pulleys hold workmen on steep slope of main roof. John A. Johnson, Supt. of Building; Long & Thorshov, Inc., Architects; Carl Johnson, Contractor.

When the officials in charge of Minneapolis' block-square City Hall and County Court House were faced with replacing its vast roof, they decided that only a copper roof could economically match the durability of this monumental building.

This huge new roof — using 180,000 pounds of copper — is an outstanding example of the ideal combination of sound design, use of correct copper gages and tempers and intelligent workmanship that makes a copper roof unequalled for long life, low maintenance and ultimate economy.

Anaconda 20-oz. cornice temper Sheet Copper was used throughout for the standing seam roofing; 24-oz. cold-rolled, lead-coated Copper for the gutters; and 32-oz. cornice temper Copper for a deep fascia at the junction of roof and side walls at cornice level. Full provision has been made throughout for expansion and contraction.

Anaconda Technical Department specialists were privileged to consult with the various officials and groups charged with the design and construction of this important roofing job. Their counsel is equally available to you in all problems involving sheet copper design and construction. The American Brass Company, Waterbury 20, Connecticut. In Detroit: 174 South Clarke Avenue.

you can build it better with— Anaconda COPPER
and gave music lessons. Then followed quickly as Sunday school superintendent, and a $3-a-week draftsman with the only architect who ever used a large leather rocking chair at a drafting board. I reached Detroit with a bicycle, $6 and a boy’s stout heart. Wise or otherwise, I was practicing architecture when 28 years of age. My fastest job was a theatre in Ottawa, my boss not knowing that I had left a fiancée behind. After marriage, I was just as anxious to get away for 14 months in France in 1917-1918.

"I should like to challenge any member of the M.S.A. for titles, past and present. Here they are: Captain, Aviation, U.S.A.; Major, Engineers, A.E.F.; Colonel, Ordnance, O.R.C.; Commissioner, State Board of Registration; Secretary, Bloomfield Hills Open Hunt Club; President, Michigan Society of Architects; Judge, Municipal Court, Bloomfield Hills, Mich.

"For seven years I lived on and operated a farm, had great fun and broke wind like golf, horses, dogs, hunting, French wine, fishing, after dinner coffee, chopping wood, a good book, swimming, kidding my daughter, boke, people, the north woods, and Sunday naps.

"I dislike Michigan in February and March, garters, dinner at noon, cats, and to be interrupted. (My wife put in that last one.)"

Or this morsel about J. H. Gustav Steffens:

"J. H. G. Steffens, who arrived in Detroit at the age of 19 to work in an architect’s office, received his earlier training with his father, Henry Steffens, a leading building contractor of Manistee, Mich. Henry Steffens was capable of reoaring his own plans for lumber mills, salt manufacturing plants and narrow-gauge railway bridges built entirely of square timber.

"It was the working drawings by Milwaukee and Chicago architects for buildings built by his father that first interested the young Steffens in seeking out the architects’ offices of the large city.

"On arrival at the Union Station in Detroit, young J. H. struck out on foot to find an architect’s office. He found the first sign on a red brick house not far from the station. It was the office of Leon Cougard. He found Mr. Cougard friendly, but not in need of draftsmen. However, he did call Mr. John Donaldson, who, after much persuasion, agreed to an interview. Mr. D. was not much impressed with the samples, which had a steel-engraved character, but he agreed to put the young man to work just a step above office boy."

Leo M. Bauer, President of the Michigan Society of Architects, invites architects from everywhere, their families and friends to come and partake of the Michigan spirit at the Thirty-Seventh Annual Convention of Michigan Society of Architects at Hotel Statler in Detroit on Wednesday, Thursday and Friday, March 7, 8, and 9, 1951.

Never before has a convention of the Society been so thoroughly planned, both for enjoyment of the social amenities and for the edification of delegates. Sol King, as General Chairman of the Convention Committee, has enlisted the assistance of a thoroughly-going committee of able assistants, who have been working for months to perfect the program.

Not the least of these is the Ladies Committee, headed by Grace Pilafian. Ladies will be guests of honor and their registration will be complimentary. The Ivory Room has been reserved for their headquarters. They will be welcome at all sessions of the Convention, but especially for them is a Social Hour at 11:00 A.M., Friday, and a special luncheon and style show in the Terrace Room at the Statler, Friday at noon. That afternoon they have the choice of two tours.

Registration will begin Wednesday afternoon and will be followed by a viewing of the exhibits of building materials and products. Your Chairman urges that delegates and guests give special consideration to these displays, not only because of the co-operation of exhibitors but also because he believes them well worth your while.

Wednesday evening will be the occasion of a Social function, planned by Carl Marr and Art Hyde. There will be entertainment and refreshments. This event will be complimentary.

The Board of Directors will meet at breakfast Thursday morning.

Registration will continue Thursday morning in the Foyer of the Grand Ball Room, during which time coffee and doughnuts will be served.

The first business session will be held at 10:15 Thursday morning, in the

IN MEMORIAM

The following members of the Michigan Society of Architects have passed away since its last annual meeting:

Ralph L. Bauer
Col. Edwin S. George (Honorary Chairman of the Detroit Chapter)
Herman R. Graf
Warren S. Holmes
Carl R. Jensen
Robert V. Knox
Eelie Saarinen
John F. Knox
Victor E. Thebaud
Vernon S. Watson

MARCH, 1951
These modern schools rely on American-Standard

- Look over the new construction jobs that are going up today and you'll find more and more of them with heating equipment and plumbing fixtures by American-Standard. This isn't surprising when you remember that the American-Standard line is the most complete in the industry, and includes products for even the most specialized needs.
- This variety of products offers the widest flexibility in designing and styling for structures of almost every size and type... whether for houses, hotels, schools, hospitals, or large industrial buildings.
- In design and in performance, you can rely on American-Standard Heating Equipment and Plumbing Fixtures to do the job right. Your Heating and Plumbing Contractor will be glad to give you up-to-date information on the complete line. American Radiator & Standard Sanitary Corporation, P. O. Box 1226, Pittsburgh 30, Pa.

JULIAN CURTISS SCHOOL, Greenwich, Connecticut.
Heating and Plumbing Contractor: Hauxwell & Smith, Inc.
Wholesale Distributor: Center Heating & Oil Supplies Co.

In the Julian Curtis School this compact, slim-tubed ARCO LEGLESS RADIATOR provides exceptionally quick heating. The LUCERNE LAVATORIES feature deep, square bowls and splash backs, and are made of durable genuine vitreous china.

MONTECITO ELEMENTARY SCHOOL, Martinez, California.
Architects: Bamberger & Reid, San Francisco
Heating and Plumbing Contractor: Morrill Plumbing & Heating, Oakland

This neat rest room of the Montecito Elementary School is equipped with the DEVORO WATER CLOSETS and CHINA URINALS. Of genuine vitreous china, these fixtures are non-absorbent, easy to clean. Flushing action is fast and thorough.

ROSEDALE SCHOOL, Denver, Colorado
Architects: Raymond Harry Ervin and Associates
Mechanical Engineers: Marshall & Johnson
General Contractor: E. L. Hobbs Construction Company
Plumbing Contractor: Grabb Plumbing & Heating Company

Steady and adequate heat is automatically supplied the Rosedale School by this STANDARD GAS BOILER. Heating surfaces, burners and controls are all coordinated to give maximum heat output with minimum operating and maintenance costs.
Charles Luckman, A.I.A., Our Toastmaster

Mr. Luckman was born in Kansas City in 1909. One of his first jobs was selling newspapers after school at a stand opposite the Muehlebach Hotel, and subsequently he worked in a neighborhood drugstore near his home and later in the men's furnishings department of a large store.

He graduated with honors from Northeast High School in Kansas City, Mo. Upon graduation he was selected as the outstanding high school student in the state and was awarded a 4-year scholarship at the University of Missouri. However, to everyone's consternation, he declined this because the University of Missouri did not at that time have a school of architecture, and he had already determined to become an architect.

Instead, he went to Chicago and worked for two years in an engineering office. Having earned sufficient funds, he then enrolled in the School of Architecture at the University of Illinois. His two-year apprenticeship prior to entering the University enabled him, upon graduation, to meet the State requirements and to immediately take the examination for State license, which he passed.

Incidentally, Mr. Luckman's background in engineering, partially as a result of this apprenticeship, was such that he was the only man in the School of Architecture at the University of Illinois who was entitled to wear the key of Tau Beta Pi, the honorary engineering fraternity.

Just prior to graduation from college in 1931, Mr. Luckman married a fellow student at the University of Illinois. Soon thereafter, he took the examination for and received his Illinois architect's license, which he has never since allowed to lapse, but because it was a bad year for building, he took a "temporary job" with a soap company, Colgate-Palmolive-Peet.

After several advances in the Colgate advertising department, Mr. Luckman in the advertising department to Divisional Sales Manager in four years, in 1935 Mr. Luckman joined the Pepsodent Company. He started as sales manager and through successive steps, in 1943 at the age of 33 was made president of the company. A year later Lever Brothers

(Concluded on Next Page)
bought Pepsodent, and on January 1, 1946, Mr. Luckman moved to Cambridge, Mass., as executive vice-president of Lever. On June 1 of the same year, at the age of 37, he was named president of the entire American company.

Some of the honors awarded Mr. Luckman have been: L.L.D. degree, University of Miami, 1950; French Legion of Honor, Italian Star of Solidarity (for work done as Chairman of the Citizens Food Committee in 1947); Appliance Award of Sales Executive Club of New York for outstanding achievement in the field of salesmanship; Horatio Alger Award (success best symbolizing the American tradition of starting from scratch under our system of free enterprise); Forbes Magazine poll named him one of the 50 foremost industrialists in the United States. Presidential Committees on which Mr. Luckman has served in addition to his chairmanship of the Citizens Food Committee are: Committee of the Equal Employment Opportunity Commission on Equality of Treatment and Opportunity in the Armed Services.

During his residence in Chicago, Mr. Luckman was very active in Community Chest work, having served on several committees in this connection. He was also a member of the Vocational Guidance Committee, which was made up of Chicago businessmen to assist returning veterans to obtain suitable positions in the fields of commerce and industry. After moving to Boston, his interest in these activities, particularly Community Chest work, continued and broadened. He has always maintained an interest in civic affairs.

In addition, Mr. Luckman has for several years been a Trustee of the Children's Hospital in Boston and has served on various administrative committees of the Board in connection with the work of the hospital. He has also been a member of the Board of Trustees of the University of Michigan.

When Mr. Luckman came to Los Angeles this past year, it was as a member of the firm of Pereira & Luckman. Of this, the Journal of the American Institute of Architects says: "Charles Luckman, whose career as an architect was interrupted by his activities as president of Lever Brothers Company, has returned to our professional fold. With William Pereira, his former classmate at the University of Illinois, and with whom he took his first State Board Examinations to practice, he has now formed Pereira & Luckman, Architects and Engineers, with headquarters in Los Angeles. To his original B.S. degree, the University of Miami recently added an L.L.D."

After five months of intensive study, Mr. Luckman took the California State Board Examinations in Architecture, and has been licensed to practice in that state.

Photographs of American architecture by Wayne Andrews will be exhibited in the educational corridor at the Art Institute March 6th through April 8th. This will give an opportunity to many architects who will be in town then for the Annual Convention of the Michigan Society of Architects to see these splendid photographs of American buildings "from century to century and from coast to coast." With great care in his selection of representative types, Mr. Andrews gives us a panorama of American architectural development from the earliest Colonial days to the present. He has scoured both town and country for paragons of today. They give the impression that, in this vast country of a preliminary study for his forthcoming book: "The Saga of American Architecture."

Mr. Andrews was born in Chicago and educated at Lawrenceville and Harvard. He is now Professor of Manuscripts and Harvard Historical Society, where he recently organized an exhibit of original drawings of McKim, Mead, and White.

The Andrews photographs depict the remarkable evolution of American architecture from the weather-beaten wood structures of seventeenth century New England to the glass and steel paragons of today. They give the impression that, in this vast country of the United States, Mr. Andrews has selected the buildings that are illustrative of the various architectural periods.

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**Program**

**Michigan Society of Architects**

**Thirty-Seventh Annual Convention**

**March 7, 8, 9, 1951**

**Hotel Statler, Detroit**

**Note:** All events are open to the public, including ladies. Events in italics are for ladies only.

**Wednesday, March 7**

7:00-9:00 P.M.—Registration, Foyer of Grand Ball Room, Registration $1.00. (Ladies Complimentary).

8:00 P.M.—Social Evening, Bagley Room, Ladies invited; entertainment, refreshments. See the exhibits.

**Thursday, March 8**

**Morning Session**

8:00 A.M.—Breakfast Meeting of the Board of Directors, ivory room.

9:00 A.M. to 12:15 P.M.—Continuation of registration, Foyer of Grand Ball Room, coffee and doughnuts served in foyer of Michigan Room. Visit the exhibits.

10:15 A.M.—Business Session, Michigan Society of Architects, Grand Ball Room.

President Leo M. Bauer, Presiding

Reports of the Treasurer

Reports of the Committee.

12:15 P.M.—Luncheon, ($3), Grand Ball Room, President Leo M. Bauer, presiding.

Greetings from Mayor Albert E. Cobo, and Andrew R. Morison, President, Detroit Chapter, The American Institute of Architects.

Guest: Brig. Gen. Clyde E. Dougherty, Chief of Civilian Defense, Detroit Area

Speaker: Dr. Harry L. Bowman, Consultant to Atomic Energy Commission; Acting Chief, Civil Defense, Lincoln Branch of the Office of the Director of Biology and Medicine

Subject: “The Design of Structures to Resist the Effects of Atom Bombing.”

**Afternoon Session**

2:00 P.M.—Tour of Exhibits conducted by Exhibit Committee

3:00 P.M.—Panel Discussion, Wayne Room, Vice-President Ralph W. Hammett, presiding.

Subject: “Class Room Lighting and Equipment.”

Presentation by:

Mr. Robert H. Horner, Illuminating Engineer, F. W. Wakefield Brass Co.

Mr. K. H. Cunningham, Mgr. of Architectural Dept., American Structural Products Co.

Mr. S. A. Durfee, School Products Division, American Seating Co.

Open Discussion, Mr. George W. Schulz, Divisional Director, Architectural Planning Dept., Detroit Board of Education, Moderator.

4:30 P.M. to 5:00 P.M.—Cycleweld Demonstration by Mr. S. G. Saunders, Cycleweld Division, Chrysler Corp.

No function scheduled for evening

**Suggested choices:**

Dancing—Terrace Room, Hotel Statler

Exhibition—Detroit Institute of Arts, an exhibition of architectural photographs by Mr. Wayne Andrews, distinguished photographer

(Open until 9:00 P.M.)

**Friday, March 9**

**Morning Session**

9:30 A.M.—Presentation, “Living with the Atom,” Bagley Room, Vice-President James A. Spence, Presiding

Speakers: Dr. James P. Adams, Provost of the University of Michigan, and Professor William Haber, Dept. of Economics, University of Michigan

Presentation of Student Research Planning Projects in connection with the National Science Foundation

Speaker: Prof. Walter B. Saunders, College of Architecture and Design, University of Michigan

11:00—Ladies’ Social Hour

11:30—Viewing Exhibits

12:00—Luncheon ($3), Bagley Room, Vice-President Adrian N. Languis, Presiding

Reports on Activities of Past Year by:

Elmer J. Manson, President of Western Michigan Chapter, A.I.A.

James A. Spence, President of Saginaw Valley Chapter, A.I.A.

Andrew R. Morison, President, Detroit Chapter, A.I.A.

12:30—Ladies’ Luncheon ($3), in Terrace Room, Hotel Statler, Style Show

**Afternoon Session**

1:30-4:30 P.M.—Tour of Open Hearth Furnace and Steel Mill, River Rouge Plant, Ford Motor Co. Buses will be furnished by Ford Motor Co. Buses leave from Washington Blvd. entrance of Hotel Statler promptly at 1:30 P.M.

2:30-4:30 P.M.—Visit to Veterans’ Memorial Building, Ladies only. Conducted tour through the building. Buses leave from Bagley Ave. entrance of Hotel Statler at 2:30.

7:00 P.M.—Annual Michigan Building Industry Banquet, Grand Ball Room. (Reservations must be made in advance)

**Admission $2.25. Corporate Members in good standing pay $1.50. Chapter pays the difference.**

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OUTSTANDING CONSTRUCTION SERVICE

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SECRETARY AND TREASURER
ORGANIZING TO BUILD

EDITOR'S NOTE: This is the first draft of a document for the Michigan Society of Architects, begun under the administration of President Alden B. Dow, by Charles B. McGrew, Chairman of the Committee on Public and Professional Relations. The Schedule of Recommended Minimum Fees has been approved by the boards of the three chapters in Michigan and by the Society Board. The Board has authorized its publication here-with as a means of obtaining the reactions of members before final printing in brochure form for further distribution. Your comments are invited.

INTRODUCTION

The object of this pamphlet is to outline the major steps in a typical construction project and the responsibilities of each major participant in a brief and simple way. It is thus intended to aid those who may not fully understand the duties of the Owner, Architect and Contractor and their relation to each other and to the project which they as a team are to build. It is also expected to assist in creating smooth-working organizations capable of doing their jobs with the minimum of confusion, trouble and expense.

THE BUILDING PROBLEM

The construction of a good building, like the creation of anything else which is worthwhile involves several considerations. The initial and ultimate size of the structure, the site, cost, architectural character, and, perhaps, special problems applicable to the particular project must be considered and be logically and realistically programmed. This will require time, patience and study. Let us consider the following example:

A school board is confronted with the replacement of an over-crowded and obsolete school. The Board and its teaching staff will first consider the immediate needs of the present school population, and next, the probable future school needs of the community. The capacity and elements comprising the first unit, and then the ultimate complete school plant, will thus be tentatively programmed. If the site of the old building will be available, its size, location and appropriateness must be examined and, if found wanting, a new site should be considered. Next the questions of design, materials, type of heating, etc., arise. As these problems begin to unfold the need of professional advice becomes apparent and the Board should take immediate steps toward obtaining the services of a registered architect.

A similar variety of problems confront the builder of a home, a commercial building, manufacturing plant, or any other kind of structure. They will vary with the type of the proposed building, but they will be there and will come forth again and again to plague the Owner unless he has fortified himself by "getting off on the right foot" in the very beginning.

THE ARCHITECT'S SERVICES

When the Owner's thinking has progressed to the point where he feels ready to consult an Architect, he naturally wonders just what this man is going to do for him and his project. Here is what your architect should do:

1. Review, check and comment on the Owner's program of requirements.

The architect has been educated to analyze and program projects of all kinds. Do not be surprised if he injects ideas which may result in an entirely new approach to the project and a new and vastly improved program.

2. Prepare preliminary sketches, outline specifications and approximate estimate of cost.

This may require many conferences with the Owners.

3. Prepare Working Drawings and Specifications, usable as a basis for taking proposals and for the actual construction.

These documents must show and fully describe the architectural, structural, mechanical (heating and plumbing) and electrical components of the building in such detail as to enable contractors to estimate their cost and build them as visualized by the Architect.

4. Aid in the Preparation of Forms of Proposals. Ordinarily, the Architect will include forms for Proposals, Bonds, Contracts and similar documents in the specifications, so bidders will submit proposals on a similar basis and understand in what manner they will be held liable for proper execution of the work, as well as for payment for all labor, materials and services used in the building. The forms referred to are those which have been in general use, and which from experience have proved satisfactory.

5. As construction progresses the Architect will make large scale and full size drawings of those portions of the work requiring further explanation.

6. Also, as construction progresses, the Architect will check and approve manufacturer's detail drawings and samples of materials. In this way the Architect sees that the Owner gets to that which he is entitled under the contract.

7. The Architect will endeavor to guard the Owner against defects and deficiencies in the work of contractors, but he does not guarantee the performance of their contracts.

The supervision of an Architect is to be distinguished from the continuous personal superintendence to be obtained by the employment of a clerk-of-the-works. When employed by the Owner, a clerk-of-the-works is expected to both the Owner and Architect shall be engaged by the Architect at a salary satisfactory to the Owner and paid by the Owner, upon presentation of the Architect's monthly statements.

8. The Architect checks periodic requests for payments presented by the contractors and recommends the amount of payments to be made by the Owner. He checks estimates for extras to and/or deductions from the contract, approves certificates for final payment and sees that all guarantees required by the contract are delivered.

Obviously, the role of the Architect is very important and very time consuming. As an ethical professional man he must give his complete and adequate professional services.

SELECTING AN ARCHITECT

An Architect is selected the same as any other professional man. Investigate. Talk to the Owners of the better buildings in your town to those who are occupying them. Then interview architects whom you may have decided to contact and also those who may have inquired about your proposed building. Review and compare their educational qualifications and experience and satisfy yourself as to their ability to work harmoniously with Owners and with reputable contractors. By this process you will eventually decide on your plan.

Next, you should talk to him about his services. Show him this booklet and ask him if he understands that he will be expected to provide the complete services hereinbefore described. Find out about his method of operating, when he can start and complete the plans and drawings and become as familiar as possible with his thinking about your particular problem.

Owners should not expect an Architect to submit preliminary sketches before he has been definitely retained.

An Owner is not acting in his own best interest if he permits gratuitous
preliminary sketches to influence his selection of an Architect. Production of properly studied preliminary drawings is costly; architects cannot afford to make them gratuitously. Such sketches are usually attractive pictures submitted with the intention of getting the architectural contract signed up in a hurry. They do not reflect the competence of the Architect to render the many varied kinds of services which will be required as hereinbefore outlined and are not alone a sufficient basis for making the selection.

In the case of certain important buildings where it may not be desirable to select an Architect directly, the selection may be made by an architectural competition. Such competitions should be conducted according to the architectural competition code procedure of the American Institute of Architects.

Finally, find out about the fee. The fees hereinafter mentioned are considered fair and reasonable. Owners must not be mislead by the offering of or the implication from an architect that he can furnish proper services for a fee which would not enable him to devote adequate time to the job. Through years of experience the production costs of architectural and engineering services have been quite thoroughly explored and the schedule of fees hereinafter given is the recommended minimum for the kind of services an Architect is professionally obligated to furnish. Architects who propose lower fees knowing full well that inadequate plans and specifications may result in higher bids, for no contractor is going to submit a close estimate of work which is knowingly going to yield a very costly saving.

A survey of the site showing property lines, topography, streets, paving, location of all utilities such as sewer, water, gas and electric services, and full information as to rights, restrictions and easements.

Approval by zoning authorities for the land use which the Owner intends to make.

Reliable soil data as may be required for the design of footings and other sub-surface structures.

THE ARCHITECT'S FEE

Types of Buildings:

Type A: Warehouses, manufacturing plants and similar structures.

Type B: Apartment buildings, housing projects, smaller types of office buildings, commercial and industrial buildings, and similar structures.

Type C: Schools, dormitories, hotels, clubs, hospitals, public buildings, theatres, churches, health centers, laboratories, clinics, the better class of shops and mercantile buildings, and similar structures.

Type D: Structures (perhaps any one of the types hereinafter listed) on which it is necessary to do special research or which may require specialized knowledge.

Type E: Private residences.

Fee Schedule:

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<td>4.25%</td>
<td>5.15%</td>
<td>6.25%</td>
<td>7.35%</td>
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<td>1,000,000</td>
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<td>4.95%</td>
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<td>5,000,000</td>
<td>3.75%</td>
<td>4.65%</td>
<td>5.75%</td>
<td>6.85%</td>
<td>7.95%</td>
</tr>
</tbody>
</table>

Fees for structures whose construction costs fall between the amounts given above shall be determined by interpolation.

For alterations add 3% to the basic rate.

METHOD OF MAKING FEE PAYMENTS

Payments by the Owner to the Architect on account of his fee when based upon percentage of construction cost as in the Schedule of Recommended Minimum Fees, are customarily made as follows:

1. Upon completion of the Preliminary Services, being those hereinbefore described under “The Architect’s Services,” paragraph 2, a sum equal to twenty-five per cent (25%) of the total fee, computed upon a reasonable estimated cost. (A Retainer, if any, prior to the time the Architect is engaged is proper and may be requested by the Architect).

2. Upon completion of working drawings, being those hereinbefore described under “The Architect’s Services,” paragraph 3, exclusive of supplemental services (details supplied during construction) and specifications, a sum sufficient to increase payments on the fee to seventy-five per cent (75%) of the total fee. This is computed on a reasonable cost estimated on such completed drawings and specifications, unless bona fide bids are available, in which case the latter shall form the basis for computation.

(During the preparation of preliminary studies and working drawings or specifications it is proper that payments on account be made at monthly or other intervals, proportionate to the progress of the Architect’s work).

3. From time to time during the construction of the project and proportion to the amount of service rendered by the Architect, payments are made until the aggregate of all payments made on account equals the agreed total fee, recomputed on the basis of final cost of the work.

4. Payments to the Architect on account of extra service, fall due from time to time as such extra service is rendered.

5. Should the execution of any work designed or specified by the Architect under direction of the Owner, or any part of such work, be abandoned or suspended, or if subsequent alternates change the total cost of the work, the Architect shall be paid proportionately in accordance with the terms above stated for all work done by him up to the time of such abandonment or suspension or prior to the acceptance of an alternate design.

6. CHANGES IN ARCHITECT’S WORK: The Architect shall be entitled to just and equitable additional compensation from the Owner.

(a) If, at any time after approval of the preliminary documents, the Owner shall require the Architect to make any substantial change in the size or scope of the work, or require any change in plan, design or specification which shall necessitate new sketches, working drawings or other documents, or substantial changes in existing documents prepared
Page II

8. MODELS AND ILLUSTRATIVE DRAWINGS: If the Architect is required by the Owner to furnish three-dimensional models of the project or any of its details, or perspective drawings in black and white or color in excess of such as the Architect may voluntarily submit the additional cost of such service shall be borne by the Owner.

9. SPECIAL SERVICES: An Architect may be retained to perform special services for which the fee cannot be determined from the preceding sections. These may include plant layout and special studies of manufacturing or operating procedure, appraisal work, consultation not connected with basic services, work incidental to erection of a pre-fabricated structure, service on juries of selection, court testimony or many other types of service. The fee for such special service should be agreed upon in advance on an equitable basis by the parties concerned.

10. QUANTITATIVE SURVEY: A quantitative take-off of materials and labor by a competent estimator may be made for estimating purposes. The cost of this take-off is paid by the Owner.

ADDITIONAL SERVICES BY THE ARCHITECT

The preceding "Schedule of Recommended Minimum Fees" covers those services customarily rendered by an Architect on an orthodox job. Occasionally it is found necessary or desirable to change the extent of his services because of changed conditions or requirements which may include, but are not necessarily limited to, the following:

1. SEPARATE CONTRACTS: The Schedule applies only when all construction work is let under a single contract. This has been taken into consideration in establishing the Recommended Minimum Fee. Should the Owner be required to have certain portions of the work executed under separate contracts, thereby increasing the Architect's burden of service, expense and responsibility, the Architect is entitled to additional remuneration.

2. EXTRA COSTS: Extra drafting or other expense incurred by the Architect as a result of delinquency or insolvency of the Owner or Contractor or damage to the work by fire, earthquake, flood or other natural calamity, shall be equitably paid for by the Owner in addition to any other compensation provided for under the Recommended Minimum Fees.

3. ASSOCIATION OF ARCHITECTS: The Association of two or more architects or firms on a single project sometimes develops increased expenses. If this results from the demand or desire of the Owner he should recognize the increased production cost and adjust the fee upward accordingly.

4. SPECIAL TECHNICAL OR CONSULTING SERVICE: In some buildings special conditions require the employment of special technical and consulting service in excess of the service included under the Schedule of Recommended Minimum Fees. This special service must be approved by both Owner and Architect, and is to be paid for by the Owner as an additional service.

5. TRANSPORTATION AND LIVING COSTS: The Architect, in addition to his regular Fee, is entitled to all costs of transportation and living in excess of those resulting from normal supervision and consultation, incurred by him and his representatives in discharge of his duties connected with the work, to the cost of telegrams and long distance telephone calls made in the interest of the Owner, and to the cost of blueprinting and mimeographing contract documents in excess of agreed-upon quantities.

OTHER METHODS OF DETERMINING FEES

While the usual method of establishing the amount of an Architect's fee is as a percentage of the amount of the construction contract, or contracts, as in the preceding "Schedule of Recommended Minimum Fees," fees may also be determined on one of the following bases:

1. FIXED FEE: The Architect is reimbursed the total of his direct expenses and an appropriate amount of overhead plus either an agreed percentage of these total production costs or an agreed fixed sum for the Architect's services (usually not less than 25% of the applicable percentage rate as determined by the "Schedule of Recommended Minimum Fees.")

2. PAYROLL BASIS: The charge is the actual payroll of the Architect's employees engaged on the project plus a percentage of the payroll cost for overhead and profit. This percentage normally is between 100% and 150%.

3. LUMP SUM: The fee is a sum not subject to change because of variations in cost. (This form is equitable only when both the extent of the project and scope of services can be definitely established.)

PARTIAL SERVICES BY THE ARCHITECT

If a project is abandoned, if the Architect's contract is terminated, or if for any other reason less than complete normal services are rendered, the Architect is to be paid that percentage of his normal fee corresponding to the percentage of service rendered.

THE CONTRACTOR AND THE CONSTRUCTION CONTRACT

After the Architect has completed the plans and specifications the Owner may choose to direct him as to the procurement of proposals. In the case of publicly-owned projects bidding is generally unrestricted and the award made to the lowest responsible bidder. If the building is privately owned, the Owner may desire to have it built by a contractor whom he selects, or he may want competitive bidding between a limited number of selected contractors. The Architect should be consulted regarding such matters but, generally, he will proceed in compliance with the Owner's desires as he should have no material interest in who gets the contract. The Owner should, however, accept his advice as to the competence of the bidder and his ability to build the project.

The Standard Form of Contract of the American Institute of Architects, modified as may be required to fit the particular project, is usually acceptable to all contracting parties. Architects should not undertake to advise clients as to their legal rights or duties.

As soon as the contract is signed the building team is complete and actual construction can begin.

* * *

There may be variations in the typical procedures described above, especially in the actual construction operations. It is advisable to undertake to treat possible departures from standard practices in this booklet. Special cases should be discussed with your Architect who will make recommendations.
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AKITT, W. ROY, 1426 National Bank Building, Detroit 2, Michigan. Born Collingwood, Ontario, March 5, 1890. University of Toronto, 1912-1914. Worked in Toronto for Wickson & Gregg, four years; Ontario Government on institutional work, two years. Registered in Michigan 1922, formed partnership with Harrol C. Rackett, which continued until 1933. Private practice since.


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ALLEN, ROGER, 1126 Grand Rapids National Bank Building, Grand Rapids, Michigan. Born Grand Rapids, June 23, 1892. Graduated from Central High School, Grand Rapids, and entered architectural office of his father, the late Frank P. Allen, as architectural draftsman. Served as Lieut. (i.g.) in U.S. Naval Reserve in World War I, as junior officer of naval railway gun battery in France. With Smith, Hinchman & Grylls as draftsman in 1919-1920, in 1921 formed partnership with father, as Frank P. Allen and Son, for practice of architecture in Grand Rapids. On death of Frank P. Allen in 1933, practiced independently; firm name now Roger Allen and Associates. President of Grand Rapids Chapter, A.I.A., in 1944, President Michigan Society of Architects 1945-1946. Conducts a daily column (since 1940) in Grand Rapids Press, author of magazine articles, public speaker. Registered by examination in Michigan in 1920; registered in New York State 1928. Chairman of Architectural Commission of Episcopal Diocese of Western Michigan; member Committee on National Defense, A.I.A.


ALTMIKS, HENRY P., 245 New Center Building, Detroit 2, Michigan. Born Germany, November 18, 1881. Graduate of Technical School of Cologne, Germany. Traveled in Germany, France, Belgium and Holland. Worked as draftsman from 1903 to 1907 with Smith, Hinchman & Grylls, of Detroit. Since 1908 with Albert Kahn, a partner since 1941. Became a member of the American Institute of Architects and its Detroit Chapter January 11, 1941. Member Michigan Society of Architects.


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Monthly Bulletin

ARREASMAIL, WILLIAM S., 410 Lincoln Bank Bldg., Louisville, Kentucky. Born Hillsboro, N. Carolina, July 15, 1888. University of North Carolina; University of Illinois. Bachelor of Science in Architecture, 1921. Worked on campus extension University of Illinois; for McKim, Mead & White. Entered own practice 1926. Registered in Michigan 1945. Member A.I.A., M.S.A. Received Architectural Award, Certificate of Merit from The Baltimore Association of Commerce for years 1943-1949, for design and construction of Greyhound Terminal Building. Received 1941 Architectural Award Certificate of Merit, for design and construction of Buffalo Terminal from The Main Street Association, Inc.


BASSO, VICTOR J., 1939 Woodward Avenue, Detroit, Born Genoa, Italy, March 15, 1899. Registered in Michigan March 20, 1940, by examination. Entered own practice, 1940. M.S.A., A.I.A.
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BLAKESLEE, L. ROBERT, 18218 Stoepel Avenue, Detroit 21, Mich. Born Detroit, December 21, 1905. Graduate U. of M. B.S.A. 1928, M.S.A. 1939. With R. S. Gerganoff, Architect 1928-29. Registered in Michigan by examination August 15, 1938. Private practice and consulting since 1938. College professor and director of Architectural Engineering Department, College of Engineering, University of Detroit; teaching University of Detroit since 1928. Registered Engineer, Member American Institute of Architects; Michigan Society of Architects (Sec., 1944-47); Engineering Society of Detroit; Michigan Engineering Society; American Society of Engineering Education (Member General Council 1948-50); Chairman Engineering Division. At present Director, Detroit Chapter, A.I.A.


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BURROWES, MARCUS H., 700 Architects' Bldg.,
Detroit. Born Tonawanda, New York, April 8, 1874.
Attended Denver School of Fine Arts, Denver, Colorado.
Employed by Chief Architect's Office of Dominion of Canada, Ottawa. Formerly associated with Stratton & Baldwin of Detroit, and for the last forty years have practiced independently in Detroit. Registered in Michigan September 2, 1915. President Detroit Chapter A.I.A. 1916-1917. Vice-president, 1923; Secretary 1911-1915. President M.S.A. 1921-1924. F.A.I.A.

CAMPBELL, CARLTON P., 2903 Biddle Avenue,

CALDER, RALPH RUSSEL, 1212 Kales Building,

CALDER, ROBERT F., 18100 Greenlawn Avenue,

CAMPANU, ANTOINE B., 734 Michigan Trust Bldg.,

CAMPBELL, CARLTON P., 2903 Biddle Avenue,

CARSON, FRANK S., 205 Michigan Theatre Building,

CARVER, WILLIAM W., 410 West Saginaw St.,

CERNEY, JEROME ROBERT, The Clock Tower,
Market Square, Lake Forest, Ill. Born in Chicago, Ill. Educated in Chicago high schools and at Armour Institute (now Ill. Inst.), Art Institute, Chicago. Travel and study in European countries for three years, 1929-1931. Employed in Chicago offices of J. J. Cerney; Chalten & Hammond; Umm & Christiansen, and Stanley Anderson of Lake Forest. Registered in several states.

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DEAN, FRANK E., Haven Hills, Albion, Michigan. 
Born in Albion, January 3, 1910. Graduate 
University of Pennsylvania, B.S., 1933. Also at­
tenuded Albion College for two years. Assistant 
Instructor, Department of Construction, School of 
Fine Arts, University of Pennsylvania. Employed 
by Schmidt, Garden & Erickson, Chicago; Merrill & 
Coch, Detroit. Own practice since 1938. Regis­
tered in Michigan, 1935.

DENYES, JR., HARRY M., 544 Wills Street, Bir­
mingham, Mich. Born October 5, 1917, Saginaw, 
Michigan. University of Michigan and Illinois 
Institute of Technology. Registered in Michigan 
1943. Early experience with J. R. F. Swanson. 
Employed at present with Swanson Associates. 
A.I.A. Rotary Club. City Plan Commission, Bldg. 
Code Revision Committee. U.S. Army Air Force 
1943-1945, Armament Officer.

DERRICK, ROBERT O., 515 Hammond Bldg, De­
troit. Born Buffalo, New York, July 28, 1907, Yale 
and Columbia, A.B. Arch. Foreign Travel and 
study in France, July, 1914 England. Registered 
in Michigan 1921. Entered own practice 1921. 
M.S.A. A.I.A. Registered as architect in Michigan, 
Illinois, Ohio, Pennsylvania, New York and 
Minnesota.

DES ROSIERS, ARTHUR, 1950 James Couzens 
Highway, Detroit 21, Michigan. Born in Ottawa, 
Ont., July 7, 1891. Educated in Canada. Graduate 
Ottawa University, McGill University, B.S., 1912. First undertaking after graduation was de­
sign and supervision of Saskatoon Bridge over 
Saskatchewan River in Alberta. Registered as 
architect in Michigan, 1929. Registered also as 
enengineer. Specialized in churches and institu­
tional buildings. St. Hugo of the Hills, Bloom­
field Hills, Michigan, selected for exhibit of 100 
representative and distinguished buildings in the 
United States, erected since 1918.

DE VRIES, BERNARD L., 613 Hockley Union Nat'l 
Bank Bldg, Muskegon, Michigan, Born Chica­
go, Illinois June 21, 1892. Michigan State College 
University of Michigan. B.S. in architecture from 
University of Michigan. Registered in Michigan 
Chamber of Commerce, Sec. Western Michigan 
Chapter A.I.A. 1945. Award "Young Man of the 
Year", in 1943 Chairman of City Planning Com­
mmission. V.P. Kiwanis 1951.

DIEHL, GEORGE F., 120 Madison Avenue, De­
troit. Born Detroit, May 5, 1892. St. Joseph's 
College and I.C.S. Course, 6 yrs. Baxter 
O'Dell & Halpin, 7 yrs. Albert Kahn's office. Regis­
tered in Michigan 1924. Entered own practice 
1925. Now in partnership with son. Former pres. 
Detroit Division, Michigan Society of Architects. 
Former Liaison Officer to Producers Council.

DIEHL, GERALD Q., 120 Madison Avenue, Detroit 
29. Born Detroit, Michigan, July 24, 1916. Detroit 
Porochial Schools, Lawrence Institute of Tech­
ology, with George F. Diehl, Gibbels & Valley 
Inc., Harley, Ellington & Day, Inc. and Saarinen, 
Swanson & Saarinen. Registered in Michigan in 
1947. In 1949 became an associate with father. 
George F. Diehl. In 1950 firm became George F. 
Diehl & Gerald G. Diehl. Architects. Specialized 
in Religious Institutions.

DISE, J. IVAN, 2631 Woodward Avenue, Detroit. 
Born May 29, 1887, Glen Rock, Pennsylvania. B.S. 
in Arch. Foreign travel, study in 
England, Europe. Early experience 4 years with 
Curt Gilbert, New York, and 2½ years Albert 
Kahn. Registered in Michigan October 13, 1921. 
Entered own practice 1922. N.G.A.R.B. Senior 
Classification, 1937. Won numerous house com­
petitions. Work and articles published in many 
national magazines and daily papers.

DITCHY, CLAIR W., 5 W. Larned Street, Detroit. 
Born Keller's Island, Ohio, April 12, 1891. Uni­
Foreign travel, six year in France. Offices of 
Albert Kahn, George D. Mason, and Marcus 
B. Burrowes. Registered in Michigan, July 24, 
1919. Entered own practice 1921. M.S.A. (Past 
Pres.), Detroit Chapter A.I.A. (Past Pres.), A.I.A. 
and Dir.), F.A.I.A., Governor Housing Commiss­
ion, 1925-57. Dir., Future Det. Inc. Special 
Writer, Detroit Free Press 1930. Teacher College 
of Architecture, University of Michigan 1927.

DITTMER, RALPH T., 792 West Rankin Street, 
Flint 4, Michigan. Born in Napoleon, Ohio, De­
cember 14, 1910. Educated in high schools of 
Napoleon and Dundee, Michigan. Employed in 
various offices of Toledo and Flint. Registered in 
Michigan, 1938. Own practice until 1945. From 
1945 to 1944, Fulace Corp., Flint, as development 
and design architect. Private practice since 1944.
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DOHMEN, ANTON G., 2631 Woodward Ave., Detroit, Michigan. Born in Milwaukee, Wisconsin, January 5, 1885. Attended University of Michigan 34 years, 1941-1945. Draftsman for Jablonski, Malcolmson & Higginbotham, 4 years; Dose & Ditchy, one year. Practiced as an individual in Michigan, 1922-1924; as member of the firm of McGrath, Dohmen & Page, 1924-1928; as McGrath & Dohmen, 1928 to present. Member of The American Institute of Architects, its Detroit Chapter, and the Michigan Society of Architects.


DONKERVOET, CORNELIUS, 14364 Faust, Detroit 23, Michigan. Born in Utrecht, Holland, June 3, 1900. Attended technical schools and universities in Holland. Held Government Certificate for teaching free-hand drawing in Holland. Worked for architects in Holland, came to Detroit 1925, and was first employed by F. P. Pereira, then M. H. Pinkel. Formed partnership of Stevens & Donkervoet in 1928, which lasted two years. With Louis Kamper, Detroit, as chief draftsman, designer and superintendent, 1932-1934. From 1934 to 1936 was vice-president, Louis Kamper, City of Detroit, Department of Public Works. Architect in charge of sewage disposal projects, 1938 to 1939. Since 1939, City of Detroit, Housing Commission, Associate Architect Engr. Registered in Michigan, 1941. Became member of A.I.A., Detroit Chapter, and M.S.A. on October 12, 1943.


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cign travel, study European Continent, Greece, Turkey, and Egypt, several years in all. Regis­
tered in Michigan, 1925. Entered own practice in 1914. At present Chairman Dept. of Architecture, Yale University Medals for Design, Philadelphia Chapter, A.I.A.; Arch. League, N.Y.C.; Paris Ex­
position, 1937, one for domestic, one for com­
mercial work. Former firms: Melier, Melig &
Howe. Howe & Lusegoe, George Howe. Present
Registered Pennsylvania, Michigan, Rhode Island,
and others.

HOWE, HUBERT F., 2451 Monterey, Detroit. Born
Coldwater, Michigan, January 10, 1893. University
of Michigan, Offices of H. G. Mehlhun, Geo.
Graves, M. R. Burrowes, R. C. Derrick, C. H.
Crane. Registered in Michigan 1921 by examina­
tion. Employed at present Giffels & Vallet, Inc.
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HUBERT, DERRICK P., JR., 4731 White Oak En­
tine, Los Angeles, California. Born Menomonie, Michigan,
April 24, 1900. University of Michigan, University of Wisconsin, University of Illinois. Worked in
father's office. Designed motion picture sets, Holly­
wood. Registered in Michigan 1934. Employed
at present with Arval Corp, M.S.A. Phi Sigma
Kappa, California Real Estate Brokers.

HUESMANN, LOUIS B., 8933 Quincy, Detroit 4,
College of Architecture, University of Michigan,
B.S.A. Worked for Thomas S. Tanner, Ann Arbor;
Parkside Associates, Clarence E. Day, Harley
Ellington & Day, Inc., Detroit. With the H., E &
B. firm at present as project architect on brewhery design. Registered in Michigan 1928.
M.S.A., A.I.A.

HUGHES, JAMES BENNETT, 187 S. Woodward,
Swensson. Registered in Michigan, 1945. Entered
own practice in 1947. A.I.A., M.S.A. Registered
as architect also in Pennsylvania and Ohio.

HUGUES. TALMAGE COATES. 130 Madison Ave.,
Detroit 28. Born Costes Bend, Ala., Nov. 17, 1897.
1911-12. Detroit Edison Co., SH&G, AK. Registered
Exec. Sec. MSA & BSA, AIA Founder ('26). Ed.
Exam. 1914; NCARB 47, 310th U.S. Engle, Russia,
19-19. Chicago, Com. ex P.I., AIA '36-47. FAIA.
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more Rd. State Theatre. Wayne: Eames, Mt.
Clemens; Ryan, Van Dyke (1950 Theatre Award).

HUNTER. DONALD WILLIAM, 719 Hammond
Building. Detroit. Born June 19, 1895. Detroit,
University of Michigan, B.S.C.E., 1921. Also one year at George Washin­
gton University. Travelled in England and
Germany in 1936, Hungary and Italy in 1938. Employed as draftsman by McClelland &
Lunenfield, Inc., New York City, 1923-1924;
Thompson Biggert Co., New York City, 1925. Ar­
chitect and Superintendent with father, the late
W. E. N. Hunter, of Detroit. 1926-1934. Principal
Aide in N.W.A. in Michigan, 1934-1935. Archi­
tect in Resettlement Administration. Washington,
D.C., 1935-1936. Architect and superintendent with
father again, 1937. Member A.I.A., Detroit Chapter
and M.S.A. Now with Standard Accident Insur­
ance Co. in Detroit.

HYDE, ARTHUR K., 1000, Marquette Building,
Detroit. Born June 19, 1895, Detroit. College of
Architecture, University of Michigan, Offices of
Cromble & Stanton, Hugh T. Keyes, Varney &
Varney, Albert Kahn, Marcus R. Burrowes, Straton
& Hyde, Hyde & Williams. Registered in Michigan,
1925. Employed at present Ottels & Vallet, Inc., L.
Rosetti, Associates, Engineers and Architects,
Detroit Chapter A.I.A., M.S.A., Detroit Engineering Society. Past President Det­
roit Chapter A.I.A. Fellow of The A.I.A.

ILGENFRITZ, HAROLD D., 713 Hammond Build­ing,
Detroit 28. Michigan. Born in Monroe, Michigan,
May 6, 1913. Educated in Monroe High School,
Seattle, Wm. High School, and by special course Beaux Arts Institute of Design, Seattle, under
Carl Nause. Employed in offices of Seattle and
Detroit. Own practice in Detroit since 1934.

INGALL MORTON H., 1000 Van Dyke Avenue,
Detroit. Born Station, Mich. 1883. University of
Michigan B.S. in Architecture, 1918. Oversea­
can on Engineer in U. S. Navy during War I. Employed at present with Dearborn Engineering Revi­sion
Motor Co., plant engineer, M.S.A., A.I.A.
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KIMBROUGH, H. F., 2654 Tuxedo Avenue, Detroit 14, Michigan. Born in Germany, October 23, 1913. Received B.S. in Architecture and Design, University of Michigan, 26 October 1944. Employed at present, Michigan State College, East Lansing, as assistant professor of Architecture.


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Lowen, Robert J., 2417 North Main Street, Royal Oak, Michigan. Attended Detroit Technical High School and took course with International Correspondence School. Employed by J. Martin Cooke, Detroit; W. Stroebel, Chicago; own office for 15 years, then with General Motors. Became member A.I.A., Detroit Chapter and M.S.A. in 1944.


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McGHEW, CHAS. B., 16215 Warwick Road, Detroit. Born Lewistown, Illinois, 1890. University of Illinois B.S. in Architecture 1913. Traveled in Belgium, Italy and postgraduate study at American Academy in Rome. Registered in Michigan 1917. A.I.A., M.S.A. Past Secretary and Vice-President of Detroit Chapter. At present Director of M.S.A. Chairman-Practice Committee in both A.I.A. and M.S.A.


McINNIS, FRANCIS L., JR., 4001 Beniteau Street, Detroit 14, Michigan. Born in Detroit, July 25, 1913. Educated at St. Bernards, Detroit, and at the University of Detroit. Employed in Detroit offices, including Wright & Wright, and Edward G. Rosella. Before and since registration, employed by the Detroit Fire Department, as professional advisor.


McGHEW, CHAS. B., 16215 Warwick Road, Detroit. Born Lewistown, Illinois, 1890. University of Illinois B.S. in Architecture 1913. Traveled in Belgium, Italy and postgraduate study at American Academy in Rome. Registered in Michigan 1917. A.I.A., M.S.A. Past Secretary and Vice-President of Detroit Chapter. At present Director of M.S.A. Chairman-Practice Committee in both A.I.A. and M.S.A.


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MILLOTT, HENRY C., 814 W. Washington St., Sandusky, Ohio. Born December 20, 1878, Sandusky, Sandusky schools, business college, correspondence course, and abroad. Five years Bennett Bros. Lumber Co., Sandusky, then at Cleveland Institute and in office of Morris Gleichenheim under designer Arthur Hannon (Correll). Then studied at Cornell, finished 1900, returned to Sandusky, own office. Built St. Mary's School, then, through help of Clair Ditchy, with City of Detroit. Back to Sandusky 1945. To general practice, telephone buildings from Akron to Toledo, about 10 units. Still active and busy.

MILLS, BYRON E., 15440 Archdale Avenue, Detroit, Michigan. Born Detroit, March 20, 1884. Educated in Detroit and at the University of Michigan, B.S. 1905. Draftsman in office of father, Joseph E. Mills, then partner, until his death in 1935. Organized Architectural Department of the S. S. Kresge Co. Registered in Michigan, 1916. Was employed by Federal Housing Administration, Detroit office. Registered also in New York State. Member M.S.A., A.I.A. Past Secretary, M.S.A.


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MUTH, GUSTAV. 345 New Center Building, Detroit, Michigan. Born in Detroit, December 17, 1891. Educated at Detroit's Western High School, University of Michigan extension courses, Detroit School of Design and Atelier Corbett in New York City. Employed by Albro & Lindeburg, New York City, Stratten & Baldwin; Gilfels & Valler, Albert Kahn, all of Detroit. With the Kahn organization continuously since 1940. Registered in Michigan, 1942, by examination. Traveled in Europe in 1939. Hobbies: golf in summer, curling in winter (Detroit Curling Club). Became a member of the A.I.A., its Detroit Chapter and the M.S.A., January 11, 1944.


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PEREIRA, PERCIVAL R., 1172 Foster Road, Rt. 1, Midland, Michigan. Born in Brooklyn, New York March 14, 1882. Educated in art and architecture by drawing from antique, still life, portraiture, landscape composition, through ateliers in the New York area, at Pratt Institute, and by Beaux Arts problems. Worked for leading architects of New York. Practiced architecture since 1915. During World War II became employed by Dow Chemical Company in Midland, Michigan. Has been engaged in architectural work in that city since.


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ROYCRAFT, DUANE P. 1175 Penobscot Bldg., Detroit. Born Chippewa Falls, Wisconsin, June 22, 1915. Educated at the University of Virginia, extension, and night school; Meiningher Art School, Detroit. Employed by many of the large offices in Detroit since 1937. Author and publisher of "Modern Industrial Construction, a Detail Reference." This book has been adopted by several large architectural and engineering firms as an office standard. It is also used widely as a reference book by many universities. Become a member of the A.I.A., Detroit Chapter and the M.S.A., June 15, 1949.


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SCURMAN, JOHN. 1846. Northlawn Drive, Birmingham, Michigan. Born East Saugatuck, Michigan, March 17, 1883. Educated in high school of Holland, Mich. Traveled in most all European countries and returned to Michigan. Registered in Michigan October 19, 1893. Taught at Indiana University and University of Michigan. Member of the A. I. A., Detroit Chapter and M. S. A. Since 1906. Became a member of the American Institute of Industrial Designers in 1906. Following Mr. Kahn’s death, spent one year in Russia with the Kahn organization as an instructor on American industrial building design and detailing, and was appointed as Chief Engineer with the Bureau of Standards to establish and publish “All Union” Standards of Industrial Building with Albert Kahn in 1910 and 1912. Became a member of the A. I. A., Detroit Chapter and M. S. A., Oct. 10, 1940. Retired in 1945. Unique hobby of making in his home workshop flowers and other objects of art of surpassing beauty, fashioned from plastics salvaged from war planes. For this he has received wide recognition in the form of illustrated lecture articles in the Sunday supplements of Detroit newspapers.


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SOMERVILLE, JOHN E., 403 West Walnut Street, Green Bay, Wisconsin. Born Marinette, Wisconsin, November 12, 1910, University of Wisconsin, (1 year); University of Illinois (3 years), B. S. in architectural engineering with high honors. Registered in Michigan 1949. Entered own practice May 14, 1948, A.I.A. (Winooski Center), Seer-Trees of Northwestern Division of Wisconsin State Association of Architects. Member Tau Beta Phi; Gargoyle.


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VAN DONGEN, HUBERT W., 250 Colfax, Benton Harbor, Michigan. Born in Grand Haven, Michigan, April 1, 1905. Graduated University of Michigan, B.S.A. Also attended Armour Institute of Technology in Chicago. Registered in Michigan, by examination in 1940. Entered own practice in 1943. Member Western Michigan Chapter, A.I.A., and M.S.A. Entered the Navy in 1943, later received the appointment of warrant officer and trained at Camp Perry, Williamsburg, Virginia and Camp Parks, California. Spent 20 months in the Pacific in World War II.


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WEST, ROBERT J., 512 United Artists Building, Detroit. Born Rockford, Illinois, February 16, 1895. Washburn Academy, Topeka, Kansas; Evanston Academy of Northwestern University; University of Chicago. U.S.N.R.F. during World War I, as Civil Engineer in Key West, Florida. Practice in own name since 1922.


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WILLIAMS, DAVID H. JR., 13300 East Outer Drive, Detroit. Born Duluth, Minnesota, 1890. University of Michigan, B.S. in Architecture, Transylvania University. Designer for George W. Graves, Detroit; Robinson & Campau, Grand Rapids. Now president of George D. Mason & Co. Past president and past treasurer, Detroit Chapter. A.I.A. Also officer of M.S.A. Member Tau Sigma Delta and Alpha Rho Chi. Registered in Michigan, April 24, 1916. Now Director Detroit Chapter, A.I.A.


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WORDEN, ROY A., 312 West Colfax Avenue, South Bend, Indiana. Born LaPorte, Indiana, January 5, 1905. University of Notre Dame, B.S. in Arch. One year travel in Western Europe. Registered in Michigan, 1945. Entered own practice in 1946. Indiana Society of Architects, a chapter of A.I.A., present Second Vice-President. Co-author of South Bend Zoning Ordinance, Member of City Planning Board. Member of City Zoning Board of Appeals. Chairman of City Code Committee for the re-writing of comprehensive building code.

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WRIGHT, FRANK H., 120 Madison Avenue, Detroit. Born Adrian, Michigan, April 8, 1891. Chicago Art Institute. Registered in Michigan, April 1, 1916. Entered own practice 1919. Now partnership as Wright & Wright.


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REVISED SCHEDULE OF UNIT COSTS

BASED ON CUBICAL CONTENTS OF BUILDINGS

Anually since 1915, the Detroit Real Estate Board has produced and distributed the schedule of unit costs as the basis for determining the schedule revised as of Jan 1, 1951 is presented herewith. The schedule of costs was produced primarily as a service to members of the Detroit Real Estate Board, as a guide in estimating construction or reproduction costs and as a possible guide to appraisers. Within recent years, scores of requests for copies have come from all parts of the United States and numerous trade publications have asked permission to publish the schedule. It has been and continues to be the policy of the Detroit Real Estate Board, in the absence of authorization for reproduction of the schedule, to sell the schedule only to the Detroit Real Estate Board at 30 cents each.

The willing and painstaking cooperation of the Office of Engineering in the preparation of this schedule is appreciated and acknowledged. In using this schedule, the rules established by Commissioner Joseph P. Wolf and his department heads, should be observed. These rules follow:

The cubical volume of a building for the purposes of determining the fees shall be measured as follows:

1. From the outside of the walls and from the basement floor to the mean point of the finished roof, or to the highest point of a flat roof. The volume shall include all dormers, enclosed porches, pent houses, and other enclosed portions of a building, but will exclude cisterns and basements.

2. In the case of buildings without basements, the measurements shall be taken from the ground line, and in the case of large buildings having deep foundations, the height shall be measured from the ground to the basement floor by an amount equal to 1/3 of the depth of the foundation.

3. In the case of open shelter sheds and other open sheds, the volume shall be determined by measuring from the projection of the edge of the roof and from the ground line to the mean height of the roof.

The cost figures presented are presumed to represent the minimum cost at which a fairly good building of economic design may be constructed under most favorable circumstances within the Detroit district. The costs contain architect's fees, contractor's profits and all general items of construction and equipment, including plumbing and heating systems, elevators, incinerators, refrigerating systems, etc. Financing costs, however, are not included.

As bids of individual contractors may vary from 20% to 50%, so may there be a marked variance in the costs of similar buildings erected within a single area. The cost figures must therefore be modified by superior construction in all instances the schedule should be used to reinforce rather than to supplant the experience, information and judgment of the user.

Since 1915, the schedule has been prepared under like circumstances and based upon like factors. It may be assumed, therefore, to present a rather accurate picture of the movement of building costs in the Detroit area during the past 36 years.

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Architectural contract for one of the largest governmental buildings in the United States has been let to Harley, Ellington and Day, Inc., Detroit Architects and Engineers.

The structure, second only to the Pentagon building in size, is the Army Finance building. It will rise in Fort Benjamin Harrison near Indianapolis, Indiana, chosen as being close to the geographical center of the nation.

Included will be allotments, insurance, bond purchases, payroll, design of money for occupied countries, and, every conceivable activity of the Army contracts it already has. Not including these operations may branch out easily into the new plant.

The building is designed to house the new finance structure in St. Louis. Included will be allotments, insurance, bond purchases, payroll, design of money for occupied countries, and, every conceivable activity of the Army contracts it already has. Not including these operations may branch out easily into the new plant.

The building is designed to house the new finance structure in St. Louis. Among the many facilities in the War Finance Building, which is twice the size of Detroit's City-County Building project, will be three cafeterias, soft drinks, snack bars, a complete bank, loading docks for trucks and trailers, and a separate heating plant.

Among the many facilities in the War Finance Building, which is twice the size of Detroit's City-County Building project, will be three cafeterias, soft drinks, snack bars, a complete bank, loading docks for trucks and trailers, and a separate heating plant.

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