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structural economy involves not only initial cost but also
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architects’ oath
By George Bain Cumming, F.A.I.A.

Humbly and proudly I profess my profession under the discipline of architecture.

Upon my honor I promise unending devotion to the task of continually studying, learning, seeking, experimenting, that I may become ever better educated and trained for my work.

Upon my honor I promise to my community unyielding adherence to the ideal service to my fellow men as the goal of my effort, that I may honestly and fully earn my living—my right to live among them.

Upon my honor I promise to maintain that integrity in practice which will insure to each client the finest possible stewardship of his interest.

OFFICIAL PUBLICATION—Western Michigan Chapter, A.I.A.

MONTHLY BULLETIN

Michigan Society of Architects

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MICHIGAN SOCIETY OF ARCHITECTS' Board of Directors met at the Mayflower Hotel in Plymouth on the afternoon and evening of September 14. Directors of Monthly Bulletin, Inc. met just prior to the Society Board meeting.

In addition to the usual business of the Society, the Board heard a report from Frederick E. Wigen as Chairman of the Society's Annual Midsummer Conference on Mackinac Island, August 4-6, 1955, and a very good report it was. The Board thanked Fred for the excellent success of the Conference. The Board approved the name of Hubert W. Van Dongen for the 1956 Chairman.

Also reporting was Prof. Ralph W. Hammett, of Ann Arbor, Chairman of the local Committee on the A.I.A. Centennial to be celebrated in 1957.

MICHIGAN SOCIETY OF ARCHITECTS' booth at the recent Michigan State Fair was attended by representatives of 18 architectural offices in the Detroit area. Serving in two shifts, these volunteers answered visitors' questions about the architect's services, while the Society's film, 'Designs for Better Living' was being shown continuously.

The film proved to be of interest to visitors, as the movie was produced in Michigan and utilized many familiar scenes as background, taken in Detroit, Ann Arbor, Bloomfield Hills, Okemos, Birmingham, Lansing and various other places. The film provides an insight into organizing to build, planning and construction of a modern high school, and the roles played by the architect and school board.

The exhibit was designed by William Dimien of Eberie M. Smith Associates, Inc., Architects, construction was supervised by Glenn Campbell of H. E. Beyster Associates, Inc., and interior furnishings were by Englander's.

The following served at the exhibit:


October '55 Monthly Bulletin
At the September 19 meeting of Western Michigan Chapter, A.I.A. at Schuler's Restaurant in Marshall, Elmer J. Manson, President of the Michigan Society of Architects, gave a report on the Society's Midsummer Conference at the Grand Hotel on Mackinac Island, August 4-6, and Brice McMillen reported on the A.I.A. national Convention in Minneapolis last June. Mr. Arthur Nelson of Ferris Institute announced an opening for another drafting instructor at the Institute.

Chapter President Hubert W. Van Dongen presided at a brief business meeting, then called upon Program Chairman Chase Block to introduce the speaker of the evening, Prof. Paul Coy of the College of Architecture and Design, U. of M., who gave an illustrated talk on the new experimental Unistrut building at the College. The building was erected with student labor and it utilized considerable donated material, which was also of an experimental nature. There followed an interesting question-and-answer period. Society President Manson also spoke on the resignation of Neil C. Bertram, the Society's former Director of Public Relations, the possibility of a successor, and the problems of selecting one. Fifty-three members and eleven guests were in attendance.

HARRY W. GIELSTEEN, A.I.A., of Menominee, Michigan, is architect for the new newspaper plant of the Marinette Eagle-Street, of Marinette, Mich. Publisher Frederick G. Sappington had a novel advertising program concerning the new structure. He ran a news-type ad about three times a week, explaining the various steps in the development of the project. One had to do with the architect.

Here it is:

"You might be surprised to know the amount of paper work that it has taken to get our new building into the construction stage. There are 23 sheets, 36 by 24 inches of blueprints and 82 typewritten pages of specifications.

"It is amazing to note all the details and specifications necessary to the construction of such a building. More than a year's labor went into these plans on our part and in their final conception by our architect, Harry W. Gielsteen of Menominee.

"Ours is the first newspaper plant Gielsteen has designed. He has built many buildings in the area, though, including the Lloyd Clinic, Lourdes gymnasium, several Menominee schools and the new Park school in Marinette. He is a graduate of the University of Michigan and in 1940 became associated with the late Derrick Hubert of Menominee. He has operated his own firm since 1947.

"Gielsteen's chief draftsman is Cephas (Ted) Glaver, a contractor in Marinette for many years who built the Vocational School, Fox Theatre and many other local buildings. Glaver has been working with Gielsteen since 1950.

"You all know how important a well planned building of any kind is—and only with good teamwork between management and the architect can this be accomplished. We've had a lot of fun working out the details for streamlined production as well as adequate lighting and ventilation for all of us who spend most of our waking hours at our business location.

"Come around and see how things are coming when you have a few minutes."

EMIL G. ZILLMER, A.I.A., of Grand Rapids, has been made a member emeritus of The American Institute of Architects and its Western Michigan Chapter. Special recognition will be given him at the Chapter's Annual Meeting in Grand Rapids on October 17, 1955.

Mr. Zillmer became a member of the Institute in 1941, and he has since rendered valuable service to the Institute and to his Chapter.

WILLIAM M. CROSSMAN, 1108 E. Greenlawn, Lansing, Mich., has been elected an associate member of the Western Michigan Chapter.
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The Detroit Chapter, A.I.A.
1955 Honor Awards Program

wells i. bennett, f.a.i.a., chairman

At a meeting of the Board of the Detroit Chapter held October 22, 1954 a new committee was established, called the Honor Awards Committee. The following were appointed members: Julian R. Cowin, Morris Jackson, J. Robert F. Swanson, Jonathan Taylor, Wells Bennett, Chairman. Your Committee was charged with the preparation of the Honor Awards Program of the Detroit Chapter and was asked to carry out such a program when approved by the Board. The three meetings of the Committee were held on November 23, 1954, January 28, 1955, and May 2, 1955.

As a result of the Committee discussion and with the approval of the Board, the following program was issued on May 24, 1955.

PURPOSE: The Detroit Chapter of The American Institute of Architects desires to give public recognition to excellence in architectural achievement by members of the Chapter.

ELIGIBILITY: Any building constructed and completed over the past ten years is eligible whether or not it is located in the Chapter area. Where the main office of the firm is outside the Detroit area, it is required that the work have been handled through the Detroit office of the firm by a member of the Detroit Chapter.

CLASSIFICATION: Entries will be judged comparatively in the following general groups:

1. Residential
   (a) Single Dwellings.
   (b) Apartments, etc.
2. Commercial and Industrial
   (a) Stores
   (b) Factories
   (c) Offices
   (d) Restaurants
   (e) Hotels
   (f) Etc., i.e. any building for a profit enterprise.
3. Institutional
   (a) Schools
   (b) Churches
   (c) Hospitals
   (d) Recreational and Community Buildings
   (e) Etc., i.e. any building for a non-profit enterprise.

Any building will be considered regardless of size. Remodelings and additions to existing buildings will also be considered. There will be recognition in the various groups and sub-groups and a Grand Honor Award may be given.

PRESENTATIONS: Entries are to be submitted on illustration or other similar board; mounts should preferably be a maximum height of 40 inches, since this is required in some national competitions. Other size mounts will be accepted. Drawings may be made directly on the illustration board but this is not required. Photographs, photostats and blueprints are entirely acceptable.

CLOSING DATE: All submissions must be postmarked not later than noon, Monday, August 29, 1955, or be in the office of Mr. W. E. Woolfenden, the Detroit Institute of Arts, 5200 Woodward Avenue, Detroit, Michigan by the above time.

JURY: The jury will include three architects from outside the Chapter area, one from a related art such as sculpture, and a layman.

EXHIBITION: It is planned to announce the Awards at a suitable occasion arranged at the time of the September meeting of the Detroit Chapter.

Following action of the jury an exhibition of the competition presentations will be held at the Detroit Institute of Arts, September 20 thru October 16. The exhibition will be handled carefully but the Committee cannot guarantee the exhibitions against damage. Exhibitors will be requested to collect their exhibitions after the closing date of the exhibition.

It will be noted that features of the program were the setting up of three general classifications of buildings, residential, commercial and industrial, and institutional. It was hoped to attract submissions from the whole building activity.

On the closing date, Monday, August 29, 27 entries were submitted. In the opinion of the Board and your Committee it was thought desirable to hold the judgment as early as possible so that publicity could be given to the findings of the jury and to the exhibition scheduled. The following were named and agreed to serve as the jury: Mr. John N. Richards, A.I.A., Bellman, Gillett and Richards, of Toledo, Ohio; Mr. Carl Kressbach, A.I.A. of Jackson, Michigan, and Mr. Elmer Manson, A.I.A. of Lansing, Michigan (architects); Mr. Marshall Fredericks of Royal Oak, sculptor, and Mr. W. Hawkins Ferry of Grosse Pointe as the laymen. The jury met September 9 and made the following Honor Awards:

For the Girls' Dormitory and Dining Hall at Drake University, Des Moines, Iowa; Eero Saarinen & Associates, Architects.

For the Libraries, Wayne University, Detroit, Michigan; Suren Pitlaian, Architect; Frank Montana, Associate, Smith, Hinchman & Grylls, Inc., Consultants on the Kresge Science Library.

For the Central Restaurant Building, General Motors Technical Center, Warren, Michigan; Eero Saarinen & Associates, Architects; Smith, Hinchman & Grylls, Inc., Architects and Engineers.

For the J. L. Hudson Company's Northland Shopping Center, Southfield Township, Michigan; Victor Grun Associates, Inc., Architects and Engineers.

The following Awards of Merit were made:

For the residence in Ann Arbor, Michigan of Mr. and Mrs. Robert C. Metcalf, A.I.A.

For the remodeling of space in existing residence for social and recreational purposes: Joseph P. Dworksi, A.I.A., Architect; Edward F. Elliott, A.R.I.B.A.

For the First Baptist Church, Flint, Michigan; Swanson Associates, Inc., Architects.


For the Administration and Distribution Center, Lincoln Park, Michigan; Otis Winn and Allan G. Agnew, Associates, Architects.

For the Stevens T. Mason Building, State Capital Development, Lansing, Michigan; Smith, Hinchman & Grylls, Inc., Architects and Engineers.
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Detroit, Michigan
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Merit Award
Chapter by-laws—subjects which it felt might be pertinent to Chapter activities. Realizing that exploration on all of the eighteen subjects was an impossible task, it decided to limit its interest to the following:

1. Continuation of activities on the adoption of the National Building Code for Detroit.
2. Use of architects in optional fields of mechanical and electrical engineering.
3. Informative lectures for "Draftsmen of Today, but Architects of Tomorrow." The following will, therefore, dwell on the present processes of training engineers serving the architectural profession.

The shortage of engineers really qualified to make a contribution to the art of construction is so acute, one of our Detroit firms by means of scholarships at two universities is endeavoring to encourage more specialization by engineering students in building construction. The scholarship effort is producing only limited results. The problem is more than a regional one too.

The form in which a more specialized engineering training might be accomplished will require study. It is possible and perhaps even desirable that the architect more fully control this training by expansion of the existing so-called "architectural-engineering" departments of the colleges and universities. With these thoughts in mind, we recommend that The American Institute of Architects through its appropriate Committee do the following:

1. Develop more information on the present processes of training engineers serving the architectural profession.
2. Study the possibilities of developing more specialized types of training in place of the too generalized training now in vogue in universities and colleges.
3. Give consideration to including the training of engineers serving the architectural profession in the architectural curricula of schools.
4. Give consideration to a program of attracting outstanding students into the engineering fields allied with architecture, to overcome the inducements offered by other industries.

In addition to the above, preliminary explorations were made on architect-engineer relations and your committee feels that this should be given further consideration during the next Chapter year. In this connection the Committee Chairman appeared at a panel meeting before the Detroit Chapter of the Society of Heating, Ventilating and Air Conditioning Engineers.

During the Chapter year several communications from the Committee on Architectural Practice, the National body were received and analyzed. Where answers were required these were forwarded. It is our observation that the National Body is now very active on subjects at contracts, architect-engineer relations and allied subjects.

A recent questionnaire which was received pertained to the various articles of the standard contract form. It is our understanding that each A.I.A. member will be asked to reply to this questionnaire. We urge your cooperation.


The following will, therefore, dwell on the present processes of training engineers serving the architectural profession. For the architect, the expanding volume presents a very serious problem—a problem of experienced engineers in the field of building construction.

Your Committee, at its first meeting in November, discussed some eighteen subjects which it felt might be pertinent to Chapter activities. Realizing that exploration on all of the eighteen subjects was an impossible task, it decided to limit its interest to the following:

1. Continuation of activities on the adoption of the National Building Code for Detroit.
2. Use of architects in optional fields of mechanical and electrical engineering.
3. Informative lectures for "Draftsmen of Today, but Architects of Tomorrow."
relations with other professions

j. charles burns, chairman

Your Committee on Relations with Other Professions was established October 23, 1954, and its function is to create a cooperative group of professionals interested in developing relationship with the Michigan Society of Professional Engineers, and the Engineering Society of Detroit, and to combine the duties which formerly were the responsibility of the Chapter’s representatives on the Affiliate Council and the Interprofessional Council.

As other professional groups offer programs of possible interest to the Chapter, your committee’s duties will include forwarding such information to the Chapter’s officers for approval, and general welfare of mankind, the architectural profession will be vitally interested in obtaining available technical information which in any manner affects the community.

The following Chapter members served throughout the initial term of this committee:

1. Charles Burns, Chairman; L. Robert Blakeslee, Julian R. Cowin.

Julian Cowin, who is also a member of the Interprofessional Council, represented your Committee on that body, while Bob Blakeslee represented your Committee on the Affiliate Council.

Activity-wise, the following functions engaged the attention of your Committee during the past year:

December 1954—At the invitation of the Detroit Section of the American Society of Chemical Engineers, your Committee attended a discussion and meeting which advocated the forming of a new professional group interested in nuclear energy.

December 10, 1954—Your Committee represented the Chapter at the annual meeting of the American Society of Landscape Architects, Inc., held at the Olds Hotel in Lansing, Michigan, extending an invitation to Mr. Stenberg, Society President, to meet with the Detroit Chapter, A.I.A., at any time to discuss mutual problems or sympathetic aims of our professions.

February 3, 1955—Your Committee held an organizational meeting to discuss methods by which the group could be kept in developing and maintaining cooperative relations with other professional groups.

February 23, 1955—Your Committee attended the organization meeting of the Joint Council on Nuclear Science at The Engineering Society of Detroit, at which time a steering committee was elected to form a more detailed statement of the aims and objects of the new association.

April 28, 1955—Your Committee attended the meeting of the Detroit Nuclear Council at the Detroit Institute of Art, where a group was assembled by Mr. Louis G. Redstone, Chairman, for the purpose of developing relationship with the newly formed Detroit Nuclear Council as a cooperative effort of interested groups but without active Council sponsorship or participation.

Business at Hand—A report has been submitted to the Committee for consideration by the proper governing groups on the question of constituent group membership for the Detroit Chapter, A.I.A., in the Detroit Nuclear Council. Should the Detroit Chapter, A.I.A., decide to take membership in the Detroit Nuclear Council, other matters such as ratification of the Council’s by-laws and the approval of yearly membership dues assessed by the Detroit Nuclear Council must be considered.

We wish to express our thanks for the privilege of serving on this Committee in its initial year, and feel that this Committee provides a necessary service to the Chapter which should be even more evident in the coming year.

Respectfully submitted,

COMMITTEE ON RELATIONS WITH OTHER PROFESSIONS;

J. Charles Burns, Chairman; L. Robert Blakeslee, Julian R. Cowin.

allied arts

louis g. redstone, chairman

The first meeting of your Committee was held last October. General aims of the Committee were discussed and analyzed, and expressions of opinions were asked from members as to what directions our public meeting to be held in the spring of 1955 should follow.

The public meeting held in the spring of 1954 was very successful in bringing architects and sculptors face to face to get acquainted and to discuss common problems together. Your Committee felt that the next public meeting should include more crafts and in addition metal tapestries, then follow in the succeeding years with individual crafts in more detail.

We continued to hold monthly meetings and the more thought and study we gave, the more complicated problem seemed to be. The problem was how to have slides available for the meetings, not only from local artists and craftsmen but from various artists throughout the country.

We wrote to many sources and received excellent responses and, what is important, actual slides for our use. The slides came from Percival Goodman, Harry Berthiaume, Victor Gruen, Marshall Fredericks, Detroit Stained Glass Works, Marjorie Kriel, Ruth Adler, Louis G. Redstone, and Suren Pilafian.

The slides were supplemented by a group assembled by Mr. Wollenenden, who was asked to serve as the moderator for the public meeting. Mr. Wollenenden is the Curator in charge of Art Education at The Detroit Institute of Arts attended many of our meetings and was very helpful with his advice and profound understanding of the problem.

The public meeting held on April 14 was successful in terms of showing the role the crafts play in architecture—but was disappointing in the number of architects attending. Our aim is to make the architects and the public realize that there is a wealth of talent available, which goes begging, and it is only through meetings like these that this talent can be tapped to the benefit of both architects and craftsmen.

In my own case, I felt the benefits of that meeting immediately. The morning following the meeting, three artists were waiting for me at my office with samples of their work. They all said they were at the meeting and had voted to encourage the activity of the newly formed Detroit Nuclear Council as a cooperative effort of interested groups but without active Council sponsorship or participation.

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Respectfully submitted,

COMMITTEE ON RELATIONS WITH OTHER PROFESSIONS;

J. Charles Burns, Chairman; L. Robert Blakeslee, Julian R. Cowin.

visitors’ guide

I. robert blakeslee, chairman

The first meeting of your Committee was held November 23, at which time we reviewed the work of the past committee and laid out a program for the new year.

At the second meeting in December a list of possible projects, to be considered for publication, was selected. Also a report from the Cleveland Chapter regarding their experience with such a publication was reviewed.

At the third meeting, in January, the financial problems were discussed and the committee felt it safe to proceed.

At the fourth meeting, in February, a letter of explanation and a ballot form were drawn up for publication in the Monthly Bulletin to determine the Chapter members’ selection of projects to be included in the Guide. In May, after the ballots were received, the results were tabulated and taken under consideration.

At the sixth meeting, in July, the list of projects to be included was approved; the form of the Guide was decided, and work begun on collecting the pictures.

In September, the committee continued to collect and review pictures. Also, the work of writing the description of each project was begun.

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In Michigan society of architects

ralph w. hammett, chairman

In February of this year your chairman was appointed by president Suren Pilafian to arrange on behalf of the Chapter the coming American Institute of Architect's Centennial. The first meeting of the Chapter was held on March 2nd, I was asked by the Regional Director, Raymond S. Kastendieck, to act as Regional Chairman of a similar committee for the Great Lakes District; therefore, by becoming a member of the national Committee on Centennial Observance, headed by Alexander C. Robinson, III, F.A.I.A., of Cleveland, Ohio.

It was suggested by President Pilafian that I choose a steering committee to work with me, however, action on this was postponed until I had a wiser feel of the task ahead. Nominations for this Committee have been made over the summer, but will have to be acted upon by the Chapter before they can be announced. This steering Committee will consist of four members besides your Chairman.

In the meantime, the national Committee on Centennial Observance has held two meetings; one in Washington on March 24th, and the other in Minneapolis on June 19th. A third meeting is being held in Washington on September 30th and October 1st. Important plans are being made.

These plans are to start the year with a celebration on the birthday of the A.I.A. on February 22nd, and to lead off the national and local proclamations setting aside the week of Feb. 22nd, 1957, as Architect's Week. In New York City there will be held the 100 Years of Science Memorial celebration, commemorating bronze tablet on the site where The American Institute of Architects was founded, and throughout the nation there will be banquets and other appropriate functions by local chapters and societies.

The national Committee is sponsoring a book on the "Social Impact of American Architecture: 1857-1957"; the establishment of a number of Centennial research fellowships; besides great preparations for the Centennial Convention of the A.I.A. in Washington in May of 1957. During that Convention there will be an exhibition of One Hundred Years of American Architecture at the National Gallery of Art, and a copiously illustrated book will be published. It is hoped that this exhibition will be on view throughout the summer. Also during the Convention there will be publication of the book by the Institute, and a special convention meeting in one of the large convention halls of Washington. It is hoped that this Convention will be attended by national dignitaries, and will consist of a program of national scope and importance.

The national Committee on Centennial Observance is hopeful that the exhibition of One Hundred Years of American Architecture will provide an opportunity for local exhibitions to be held during the month of October, 1957. These local exhibitions can be as large and as inclusive as the local committee may wish to make them, and certainly should be displayed where the public may easily view them. They may serve to encourage large local meetings and for programs attended by local dignitaries. Also it is hoped that each chapter will publish a book which can be used as a local history and guide book for the architecture of the district.

Yes, important plans are being made, and the admonition is to look forward to The American Institute of Architect's Centennial Year, 1957. Your Detroit Chapter Centennial Committee has a lot of work ahead to make this celebration a success in the Detroit area. Your committee will most certainly need help and this need will be enlarged as time goes on. If anyone has any ideas, or wishes to volunteer for the work, he should inform the President of the chapter, or your Chairman.

george d. mason memorial

emil lorch, chairman

The aim of The Chapter is to honor an important architect, a beloved and respected gentleman whose devoted service did a great deal to establish registration and professional standards for architects.

After careful study, Messrs. D. H. Williams, William E. Kapp and your Chairman agreed on the inscription and the design. George D. Mason and Company prepared the final drawing, and recently Mr. Joseph Parducci completed the model which includes a portrait bas-relief of Mr. Mason. George D. Mason and Company prepared the required forms of destruction and on local efforts to preserve them, often in cooperation with the national Committee. A review of the many activities would be too long for inclusion here. The writer recommends that Mr. James E. Reed, national Chairman be invited to address the Chapter in the belief that not only Chapter members but the general public would be much interested.

preservation of historic buildings

emil lorch, chairman

Progress is being made on the national plans in listing and in filing in Washington the essential data with small pictures of buildings thought worthy of preservation. The Inventory form exacts very specific information, requires research, correspondence, visits to buildings and the cooperation of all interested in the preservation of the architectural heritage of our country.

In Michigan the work has been very substantially helped by the support of the Detroit Chapter and of The Historical Society of Michigan. Collaboration of Warren L. Rindge and Henry S. Booth for certain areas has helped in producing a large number of complete inventory forms bringing the Chapter phase almost to completion. The pressure of other duties necessitated some are much interested from contributing to this publications. Your chairman attended a meeting of the national Committee in Minneapolis at which reports were received from various states on distinguished structures threatened with destruction and on local efforts to preserve them, often in cooperation with the national Committee. A review of the many activities would be too long for inclusion here. The writer recommends that Mr. James E. Reed, national Chairman be invited to address the Chapter in the belief that not only Chapter members but the general public would be much interested.

public relations

talmage c. hughes, executive secretary

We wish to thank the chairman of the various committees for their reports. We have received reports from 19 of the 23 Chapters. It is hoped that these reports will be acted upon, as we shall not attempt to reiterate here the accomplishments of the many committees.

As to the activities at your headquarters, we have continued to render whatever service to the profession and to the public that we are able to supply. These cover a wide field, such as a free employment service for draftsmen and other personnel, supplying the various documents and contract forms, books and pamphlets.

Referrals for architects have included the Ford Division of Ford Motor Company's $15 million office building, Wayne County General Hospital, many commercial and institutional projects, and alterations and residences. The last-named number many each week, and we are glad to report that an increasing number of architects are interested in our reports. We have done our best to make that public to render service to the small home owner as well as the client who is building a large project.

Our news releases have met with ready acceptance from newspapers in Detroit and throughout the State, and we appreciate their cooperation. The Monthly Bulletin continues to serve the profession, and now approaching its 30th year, it receives recognition in the State and from distant places.

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MAHON
Your Committee on Residential Architecture had one major meeting and twelve smaller meetings of various natures during the past year. The duty of this Committee is to further relationships that have been established with the Builders' Association of Metropolitan Detroit and to do whatever else that may be appropriate for the welfare of the practice of residential architecture in this area.

The first meeting was attended by H. Sanborn Brown, W. Glassom Coombe, Carl R. Haberman, Carl B. Matt and Earle W. Pellerin. The problem of raising the standards of residential architecture in this area was the chief topic of discussion. This group was encouraged by the fact that in several areas in the United States, excellent results in residential work on a large scale were beginning to occur because of relationships where architects and builders work together to make the most of their talents. Also, if this is happening in some localities, then, depending upon the all-around abilities of the architects, the future of residential architecture has definite possibilities of increasing.

We all know what has happened to housing and residential architecture in general in this country in the first half of this century. However, there is a consolation in the fact that many architects have made great effort toward providing a more inspiring place to live for everyone, and the indirect results of this work accounts for a great advancement in the livability found generally in American homes today. Of course, our country has grown a lot, and so has the profession.

This Committee shares the feeling of many that a new perspective by architects on housing has been gradually changing over the past twenty-five years. Today, architects being trained by the thousands are actually preparing themselves for this as well as all the other challenges that confront us.

With larger firms confining most of their efforts to commercial, governmental, industrial and institutional types of work, this Committee has a feel that many architects are concentrating on housing and residential work, and they are doing this very well. The 1955 Annual Meeting was held in October, the last and one of the most important of the year. The meeting was well attended and was held at the Cranbrook Academy of Art. Edward Rosella, Michael Kloian and your chairman checked the competition and coordinated the work of the jury.

By hard work and by patiently seeking improvement in every possible way, especially by encouraging younger architects for strong participation we base one major hope: This leadership, along with a gradual demand on the part of the public for a better product, can make every home and community of tomorrow a better one.

**Civilian Defense**

Alex Tim Trout, chairman

The experience of your Committee has been one of almost complete frustration. The group for Detroit and the one for Wayne County have not considered plans for wartime housing, nor have they apparently given the matter any thought.

HHFA is working on community facilities and schools, but neither housing for emergency nor hospitalization is included in their purview. The metropolitan regional plan groups have shown interest, but have no plans. We have arranged a conference with them.

Industrial plans are "under wraps." Any specific plans can be taken up with The Detroit Edison Company, who are most concerned with the situation. The American Hospital Association will have a day devoted to defense problems at their coming conference, and we hope to get a report from them. Data relating to the National Resources Committee is included. We have discussed this briefly with Mr. Hambrook and President Pilafian.

Radar and guided missile protection against an attack seem to have pushed aside interest in bomb shelter protection. We will gladly pass on such data as we have, but there seems to be little interest in plans toward which we architects can concentrate.

**Program**

Earl G. Meyer, chairman

Your Program Committee for 1955 consisted of the following members: Wells F. Bennett, Ernest J. Delitt, James B. Hughes, Frederick J. Schostlety, Talmae C. Hughes, Harold Binder, Earl G. Meyer, Chairman.

During the year your committee held two meetings at which programs for the year were planned. It was the desire of the group to select a series of programs that would appeal to all members. The committee felt that a balance should be maintained between technical and cultural programs.

The Annual Meeting was held in October and in November there was a joint meeting with the Metropolitan Art Association, at which Jose Luis Sert, Dean of Harvard University's Graduate School of Design, spoke on "The Architect and the City."

Continuing a policy of having a project designed by one of our members as the subject of a program, the December meeting was devoted to the Northville State Hospital. The design of this hospital was the result of a design competition in the United States, and the speaker for the occasion was Adrian N. Langusa, F.A.I.A., Director of the Building Division of the State Administrative Department.

A discussion of High Pressure Laminates by Ralph Galley was the technical subject for January.

We went foreign in February and saw some very good pictures and heard an excellent talk on "Sweden Builds." by G. E. Kidder Smith. This was the best-attended meeting of the year. Maybe we should have more of that type. In March the combined meeting with the Chapter's three student branches at which the annual awards were presented to the year's outstanding students by the Chapter and the schools.

The season was completed in May with a lecture on "Color in Architecture" by Edwin Bateman Morris of the Tile Association. It was humorous as well as instructive.

The new season started on September 21 with the Detroit Chapter A.I.A. Honor Awards. This meeting was in the able hands of Dean Wells F. Bennett, F.A.I.A., and was one of paramount interest to all Chapter members. One hundred fifty were present.

The October meeting will be the annual meeting and election, and the remainder of the sessions for the year have been arranged, and it is hoped that they will appeal to the membership.

I want to take this opportunity to thank all the members of the Committee for their help and cooperation throughout the year.

**Vice President and Coordinator of Committees**

Gerald S. Diehl

President Suren Pilafian decided that, contrary to tradition, the Vice-President should work. Therefore, he decided the Vice-President should coordinate the study of the various Chapter Committees and prevent their overlapping.

I have found that attending various committee meetings and checking with the chairman monthly is an excellent idea. It helps to keep the Section officers aware of the work and problems involved rather than just reading an annual report. Many chairman have furnished excellent monthly reports.

**Memorabilia**

The following members of the Detroit Chapter, A.I.A., have passed away since those reported at our last annual meeting:

Fred W. Langhemrich
Charles Noble
Ethel E. Graber-Derby
Milton I. Pettibone
Emil L. Severin
William C. Zimmermann

October '55 Monthly Bulletin
civic design
louis rosetti, chairman

The duties of your Committee as described in the by-laws are:

"To foster and encourage better city and regional planning, site planning and low-priced housing, to formulate plans for beautifying the communities and road-sides within the territory of this Chapter, and to cooperate with public and other agencies having such matters in charge."

We feel that we have maintained the high standards set by the Civic Design Committees of the past. These high standards are responsible for the confidence being placed by the city government and their various agencies in this committee's attitudes and suggestions. The excellent work of the preceding committees has made the work of this committee easier and more valuable. We have attempted to follow in their path and report on problems presented to us exactly as the Committee decided in an impartial and unbiased manner.

We have had a most interesting year with many opportunities to comment on and suggest solutions for improvements of planning problems. We feel that we have been able to be of considerable assistance to the City Plan Commission in representing the viewpoint of the architectural profession in this area in the discussion of various phases of city planning. The City Plan Commission has given us the greatest cooperation and encouragement in carrying out our duties, and through its able director, Mr. Charles A. Blessing, A.I.A., has striven to carry out our recommendations, even though, at times, these recommendations differed from those of some members of the City government.

Various subjects were presented to us for review, ranging from the bridge across East Jefferson Avenue for the Chrysler Corporation to the park layout and relocation of the fountain and monuments of Grand Circus Park, and the location and treatment of a building for the Detroit Art Institute.

The most important discussions were centered on the development of the various phases of the Civic Center. The site developments, fundamental circulation and parking problems, and location of the buildings in the Civic Center have absorbed the attention of previous committees and allied agencies for several years. The long-range programs which are being developed by the City government, the City Plan Commission and the Detroit-Tomorrow Committee are most interesting and show both imagination and aggressive attitude toward the problem of rehabilitating our city. A great deal has been accomplished toward the carrying out of the spirit of the Detroit Art Institute, and the work and discussions still carry on, and will be on the agenda of your incumbent Civic Design Committee.

Your committee's meetings were many times called with short notice because of demands of the City government but were well attended by the members of the committee, many of whom came from considerable distance. The findings of the Committee were presented as unanimous agreement.

It has been a pleasure to serve on your committee and to take part in the many interesting discussions. I sincerely hope that our efforts have been worthwhile and that the cooperation of these agencies toward the City Plan Commission can be continued.


cold weather protection and temporary heating

INTRODUCTION:

(a) Temporary Heating should not be a standard general clause but should in each instance be written specifically to meet the conditions of the project or to cover what will be required. Further, on major projects wherein the Owners are active in the design and development, and may possibly occupy the premises before completion, they should check and to the recommended arrangements for temporary heating.

(b) Write out conditions for each job, stating whether central heat is to be used or present sources (such as in the case of an addition), or a new heating plant. When the mechanical trades are not under the jurisdiction of the general contractor the providing of temporary heating after building is enclosed, prior to operation of permanent heating system, should be included in the mechanical trades, including the costs of installation and removal of such radiators or heating units as may be required to maintain a minimum of 50° in the entire building. Speciality as a basis of bidding a definite number of months that "temporary heat" shall be supplied by the heating and ventilating contractor. This can generally be established through discussion of the proposed building schedule with several prospective bidders for the general contract.

(c) Payment for fuel, water, electricity by the owner in connection with the operation of permanent heating plant for temporary heating avoids the necessity for the contractor having to gamble on this cost in bidding on the project. On certain pro-

relations, construction industry
john k. cross, chairman


committee duties

"To foster a cooperative relationship between architects and contractors, producers and dealers in building materials and equipment, draftsmen employed by them, the labor that constructs buildings and other structures, and the persons and institutions that furnish money therefor, in order to promote and maintain efficient and economical building operations."

In the interest of more co-operative relations between contractors and architects, this committee decided to clarify the items listed in the following program because architects frequently fail to specify them adequately.

The Detroit Chapter, A.G.C. Committee on Relations with Architects and Engineers, brought this matter to the committee's attention under date of October 21, 1954, requesting that we meet with their committee and seek a solution to the subjects which they listed in their letter to us. Frequently there has been controversy about them between contractors and architects.

activities

Seventeen meetings, six of which were held jointly with the Associated General Contractors committee, three with the Heating, Piping and Air Conditioning Contractors Association committee, and three with the Electrical Contractors Association committee.

program

Sub-Committee Chairman:

Cold Weather Protection and Temporary Heating — Joseph N. French
Temporary Electrical Service — Leslie M. Lowery
Unit Prices — Raymond C. Perkins
Alternate Bids and Addenda — Victor J. Basso
Fire Protection — Victor J. Basso
Arbitration — Maurice E. Hammond

drawings, specifications and bidding procedure — Maurice E. Hammond

reports

Your committee submits the following reports from the sub-committees who met with a committee from the building trade association representing the trade involved and made their recommendations after giving consideration to the various points in dispute.

The committee asks the chapter members to follow its recommendations in the preparation of their contract documents.
jects, however, it may be necessary to have these included in the bid. Clearly who pays for these items.

(d) All heating required after enclosing the building, shall be classified as "temporary heating" and shall be supplied as required when or not the permanent heating system is ready to be placed in operation.

(e) Where permanent heating equipment is used for temporary space heating, a specific insurance policy described as "Builder and Machinery Policy Broad Form" with adequate limits should be specified to be furnished by the owner.

RECOMMENDATION—1

Place the following in Special Conditions of the specification when general contract includes mechanical trades:

TEMPORARY HEATING:

(a) Provide and maintain weather protection and heating as may be required to properly protect all parts of the structure from damage during construction prior to the operation of the permanent heating system for temporary heat. This shall include protective coverings and enclosures, space heaters with vent pipes to outside of building, fuel and the necessary attendence. Heat shall be maintained around the clock (24 hours), 7 days per week, if necessary to fully meet contract requirements.

(b) Provide temporary heat as required to maintain a minimum of 50°F in the entire building after the building is enclosed as required for work of all trades, including the cost of setting and supporting temporary radiators or heating units as may be required, prior to permanent heating units being available.

(c) Under heating section of the specifications is included the fitting up of the permanent heating plant piping and heating units for temporary heating, including the proper repair and maintenance of the system.

(d) The Contractor shall be responsible for damages due to dirt or abuse to the heating system or units during the period of temporary heating and during the progress of the building construction.

RECOMMENDATION—2

Place the following in Heating and Ventilating Section of the specification when general contract includes mechanical trades:

TEMPORARY HEATING:

(a) The permanent heating plant piping and heating units shall be placed in operation for temporary heating as soon as possible after the building is enclosed. The proper repair and maintenance of the system is included under this section of the specification.

(b) Wherever possible, set radiators or heating units in their permanent locations with their supply and return connections as shown on the plans.

(c) Where it is impossible to set radiators or heating units in their permanent locations for temporary heating, set and support such radiators or heating units in accordance with instructions of the general contractor who shall pay all cost in connection therewith.

(d) If it becomes necessary to use the ventilating or air conditioning duct systems for drying purposes during the temporary operation periods, provisions shall be made for the use of temporary filters to prevent the accumulation of dust and dirt in duct systems. Provide new filters upon completion and prior to acceptance of the work by the owner.

(e) All steam or hot water heating supply and return piping, strainers, etc., shall be thoroughly flushed and cleaned before the system is used for temporary heat. The entire system shall be rechecked for compliance with the heating and ventilating section of the specifications to establish that it is free of all defects resulting from temporary heating.

(f) The guarantee period for mechanical equipment shall begin with the date of full occupancy or final acceptance by the owner.

RECOMMENDATION—3

Place the following in special conditions of the general specifications when general contract is not to include mechanical trades:

TEMPORARY HEATING:

(a) Provide and maintain weather protection and heating as may be required to properly protect all parts of the structure from damage during construction. Heat shall be maintained around the clock (24 hours), 7 days per week, as necessary to fully meet contract requirements.

(b) Temporary heat after the building is enclosed as required by the heating and ventilating contractor.

(c) The fitting up of the permanent heating plant piping and heating units for "temporary heating" including the proper repair and maintenance of the system is also included in the work of the heating and ventilating contractor.

(d) The general contractor shall be responsible for damages due to dirt or abuse to the heating system or units during the period of temporary heating and during the progress of the building construction.

When using recommendation—3, place the following in the heating and ventilating specifications:

TEMPORARY HEAT:

(a) Provide temporary heat as required to maintain a minimum of 50°F in the entire building, after the building is enclosed as required for work of all trades, including the cost of setting and supporting temporary radiators or heating units as may be required, prior to permanent heating units being available.

(b) As a basis of bidding, the "temporary heat" shall be provided as specified in the foregoing paragraph.

UNIT PRICES:

(a) Subsequent to bid opening and prior to and as a condition of award, the successful bidder shall negotiate with the architect and agree upon mutually acceptable unit prices for the following:

Temporary Heat required beyond the month and year stated above, per day $  

1. INTRODUCTION

(a) The temporary electrical service provisions should be prepared by the architect to suit the character of the project and the contract or contracts to be awarded, because of the many variables involved.

(b) In the case of a single prime contract containing electrical work as a subcontract, it is recommended that the temporary electrical service provisions be included in the special conditions.

(c) In the case of multiple prime contracts progressively awarded, it is recommended that the temporary electrical service provisions be included in the special conditions of the electrical specifications except when the initial installation must be made by a preceding contractor.

(e) In identical special conditions common to several prime contracts, the architect must clarify the term "contractor" to read "foundations contractor," "electrical contractor," etc., according to which prime contractors is actually to provide temporary electrical service.

2. RECOMMENDATION

(a) The (specify) contractor shall make all necessary arrangements for and shall provide temporary electrical service and meter from nearest suitable power lines to the job site (see footnote b).

(b) The (specify) contractor shall provide temporary power and lighting facilities to include the following:

1. Single-phase three-wire service and branch circuit wiring of sufficient capacity to provide 115 volt lighting outlets and power outlets. Weatherproof sockets for (specify wattage) watt lamps and including switches, are a part of the electrical service provisions be included at (specify space) feet on centers both ways throughout each floor (see footnote a).

2. Three-phase (specify voltage) volt 100 ampere power sources with fused switches spaced at (specify feet) on centers both ways throughout each floor (see footnote a).

3. Any contractor requiring service of capacity or characteristics other than the foregoing to provide and pay for his own service.

4. Temporary connections for permanent fan motors, oil pumps, oil burners, unit heater motors and the like, when temporary heat and/or ventilation is required during the course of construction.

5. Maintenance of service equipment and temporary power and lighting facilities during standard, regular working hours. Other contractors requiring maintenance service in addition to the foregoing shall negotiate and pay for same (see footnote a).

6. Removal and disposal of temporary facilities (see footnote a).
The necessary portable cords, lamps and fuses from the aforesaid outlets to points of use shall be provided by each contractor to suit his own requirements.

Electrical service and lighting facilities incidental to the temporary construction offices of the various contractors shall be furnished, removed, disposed of and paid for by the contractors concerned to suit their individual requirements.

The (specify) contractor shall furnish and pay for all electrical energy consumed for temporary light and power (see footnotes a and b).

3. FOOTNOTES

(a) In the case of multiple prime contracts progressively awarded, if an early prime contractor (such as a foundation contractor) must provide the initial temporary electrical service and some later contractor (such as a superstructure contractor) is to continue same, suitable provisions should be included in both specifications for a transfer.

(b) In alterations and additions to existing structures, or occasionally permits temporary connection to existing lines. The owner may furnish current free or on the basis of sale and resell. If the latter, a meter and a price per kilowatt-hour of the contractor should be specified.

(c) Provision optional depending on job requirements.

(d) Branch circuit wiring for lighting and portable tools shall be of 250 volt of the grip-tight type cord connectors be of a three-wire type designed for grounding with lock-type lamp guards and be limited to sixty amperes. (It is recommended that the pend-ant type cord connectors be of a three-pole design for grounding with not more than four (4) outlets per circuit. Further, that lighting outlets be equipped with lock-type lamp guards and be limited to ten (10) per circuit.)

(e) A provision to the effect that the contractor must, at his own expense, work such overtime as is necessary to maintain his construction schedule, should appear elsewhere in the general conditions or special conditions.

UNIT PRICES

1. INTRODUCTION

(a) The practice of requesting unit prices on the various phases of construction work varies widely according to the type of job and the architectural office producing the specification.

(b) The general contractors object vigorously to lengthy and often meaningless lists which must be filled out during the rush of final bidding. These pricings are seldom taken into consideration in awarding the contract. Units requested are so general in character that a long price is quoted for the most difficult work for all additions and a short price is quoted for the simplest of credits.

(c) A survey of the Architects shows that except for certain more or less indeterminate design items such as possible additional excavation footing forms, reinforcing and concrete for same, that the owner's interest is best served by negotiating an addition or credit with the contractor at the time it arises.

(d) It is not the Committee's intention to promulgate an edict directing the architects to cease and desist from requesting unit prices. Each job should be handled individually according to the individual requirements. However, it is strongly recommended that requests for unit prices be held to an absolute minimum.

2. RECOMMENDATION

(a) The architect should exercise restraint in the preparation of lists requesting unit prices and should endeavor to hold such price requests to the following items:

Fire Protection—by machine—per cu. yd.

- by hand —per cu. yd.

A statement of method of computation should be made.

Forms—of footing mats per sq. ft. of contact area for footing caps per sq. ft. of contact area for footing piers per sq. ft. of contact area for footing walls per sq. ft. of contact area

Concrete for footing mats, caps, piers and walls per cu. yd.

(b) Other unit prices which the Architect deems essential shall be confined to those items which are subject to change or revision.

(c) Additions to and/or deductions from the contract shall generally be handled by negotiation between the owner, the architect and the contractor.

ALTERNATE BIDS AND ADDENDA

1. INTRODUCTION

a. Alternate bids.

(1) The simplification of alternate bids has been requested by the contractors in order to avoid misunderstandings and to truly establish the low bidder.

2. RECOMMENDATIONS

(The following is included in A Suggested Guide to Bidding Procedure, A.I.A. Document 333.)

(a) Alternates should be requested only where there are believed to be of special importance to the owner, either as a means of (1) insuring a bid within a limited appropriation or (2) providing an opportunity to make an important determination in the selection of a material or process.

(b) In case (1), alternates shall be numbered consecutively in the order in which the owner is willing to make the adjustments, and the bids and their alternates shall be combined in determining the low bid.

(c) In case (2), two or more materials may be specified from which the owner desires opportunity to make a selection, in which case the alternate bids shall be for the particular material specified and alternates submitted, with the base bid, stating any changes in price involved for the alternate materials.

3. INTRODUCTION

a. Addenda.

(1) The issuing of an addendum within 3 days of the time that bids are due, does not allow sufficient time for the contractor to prepare a complete and accurate estimate.

4. RECOMMENDATION

(The following is included in A Suggested Guide to Bidding Procedure, A.I.A. Document 333.)

(a) No addenda should be issued later than four days before time for receipt of bids. Answers to questions from bidders should be in writing and a copy sent to each bidder.

FIRE PROTECTION

1. INTRODUCTION

Fire Protection should be a separate specification heading, thus facilitating its installation by 'sprinkler and fire control contractors, and lessening jurisdictional disputes.

2. INVESTIGATION

Reports were received on this subject from the following: sprinkler system companies, National Automatic Sprinkler and Fire Control Association, and the United Association of Journeymen and Apprentices of the Plumbing and Pipe Industry of the United States and Canada, and the following conclusions were reached:

(1) The fire protection system is a specialized installation requiring: (1) complete knowledge of code requirements (2) separate wiring layouts by the installation contractor for underwriters' approval (3) special installation techniques and testing facilities for final acceptance.

(2) Usually only large mechanical contractors would be familiar enough with the installation to do a job comparable to that of the companies specializing in fire protection systems.

3. RECOMMENDATIONS

The fire protection system should not be included in plumbing specifications, but should be considered as an independent trade the same as electrical, heating, and plumbing, except when there is a very small amount of work to be done, such as baling room, storage room, or a small addition to an existing system, in which case it should be included in the plumbing specifications.

ARBITS RATION

1. INTRODUCTION

(a) A Michigan state law requires that parties to a contract containing arbitration clauses, shall sign a separate Arbitration Agreement in addition to the other contract documents.

2. RECOMMENDATION

Mention should be made in the special conditions of the specification that Article 40. Arbitration, of the A.I.A. General Conditions is amended to include a separate arbitration agreement in addition to the usual contract documents.

The following is a suggested form of agreement:

Agreement made and entered into this day of , 19____, between , party of the first part, as contractor, and , party of the second
part, as owner, the contractor and owner being parties to a contract for the construction of... according to plans and specifications prepared by architects (herein called the "contract") entered into this... day of... 19...

It is mutually agreed between the parties to said contract as follows:

1. That any controversy hereinafter arising between parties concerning or relating to said contract shall be settled by arbitration pursuant to and under Section 15394 of the compiled laws of 1929 of the State of Michigan as amended by the sixty-first legislation session of 1941. A written notice of intent is filed by the aggrieved within five (5) days after such controversial ruling or request is made and the aggrieved shall not stop the work but shall diligently pursue the work in accordance with the rulings and documents of the engineer or architect pending the arbitration award, unless the engineer or architect order the work to be stopped pending the award.

2. That said arbitration shall be conducted under and in accordance with the rules of The American Institute of Architects, Document No. 305.

3. That the arbitrators shall be selected (method of selecting arbitrators must be specified or agreed upon).

4. Any award signed by at least two of the arbitrators made pursuant to this agreement, which is not subject to the charge of fraud or gross negligence, shall be final and binding upon the parties.

5. That judgment may be rendered upon any such award made pursuant to this agreement in the County of... Court of... Michigan in accordance with the provisions of the aforesaid statutes of the State of Michigan or any other Court having competent jurisdiction.

Signed this... day of month of 19...

drawings, specifications, and bidding procedure

1. INTRODUCTION

The following suggestions were received from the Associated General Contractors committee:

(a) Omit specification clauses which place responsibility on the contractor for adequacy of design.

(b) Clauses pertaining to owner's options should be deleted, unless it definitely defines the conditions as each contract may require. They are drafted with careful regard to the rights and responsibilities of both parties for the duties required of the architect. It is not intended that the contractor should be allowed to risk a non-competitive price.

(c) Bidding on non-competitive items should be eliminated. Suggest architects secure prices and set up an allowance in the specifications.

(d) Allowances where stipulated should definitely indicate whether or not the installation of the article covered by the allowance is included in the allowance price.

(e) The use of the expression "by others" should be deleted, unless it definitely defines who the others are and the extent of the work to be performed by them.

RECOMMENDATIONS

(a) To eliminate waste and establish a friendly and cooperative relationship between the contractor and the architect, it is desired that the existing procedure be modified.

(b) The owner has a right to expect, when any such award made pursuant to this agreement, which is not subject to the charge of fraud or gross negligence, shall be final and binding upon the parties.

(c) The contractors have a right to expect that the information shown on the drawings and specifications is sufficient to enable them to prepare an accurate estimate, and that they will not be penalized for a lack of care or skill in the preparation of these documents.

(d) The Standard A.I.A. Form of Agreement and General Conditions (latest edition) should be used in all contracts, with such additional general and special conditions as each contract may require. These conditions should be made by the architect.

2. Each section and heading should be well ordered and the headings.

3. Allowances which are to be carried by subcontracts should be clearly indicated in the sections of the specifications involved.

4. Standard trade terms for materials and processes should be used.

5. The use of the term "or equal," without prior determination of materials that will be accepted as equal, in an attempt to establish a so-called "open" specification, frequently results in uncertainty and misunderstanding and should be avoided. The use of the term shall be rigorously disallowed.

By specifying the particular material desired, if the owner is advised and is prepared to risk a non-competitive price.

By specifying two or more materials any one of which is acceptable, the choice being left to the bidder, preferably to be determined in the awarding of the contract.

6. If a specific method is required as well as a guarantee of the result, the contractor should be given the right to protest the method if in his judgment it may not produce the required result, in which case an alternative method should be determined by agreement or arbitration.

The committee further recommends:

1. The low bidder shall be allowed a seven (7) day period to review the plans and specifications of materials used in the preparation of their bid as well as showing any deviation in price between materials specified and those used, so that the parties to the Contract may make an equitable adjustment.

2. A Suggested Guide to Bidding Procedure (A.I.A. Document 333). This Guide has been developed through the cooperation of the Committee on Contract Documents of The American Institute of Architects and a special committee of Associated General Contractors of America, and has been approved by both organizations.

The articles read as follows:

DRAWINGS

1. The drawings must be clear, accurate and adequately dimensioned.

2. In indicating materials and their use, nationally accepted standard symbols should be used.

3. Construction sections and large scale details sufficiently prepare a distinct bid-page and for the purpose of correlating all parts of the work, should be shown with the general drawings. This is particularly important when the size of a project makes the preparation of the general drawings at a scale less than 1/8" - 10".

4. When necessary for clear indication of mechanical trades they should be embodied on separate sets of drawings.

SPECIFICATIONS

1. The specifications should be complete, clear and concise with adequate description of the work to be carried out, segregated under the proper sections and headings.

2. Each section and heading should be identified for easy reference.

3. Allowances which are to be carried by the general contractor should be grouped in a separate section called Allowances. Allowances which are to be carried by subcontractors should be clearly indicated in the sections of the specifications involved.

4. Standard trade terms for materials and processes should be used.

5. The use of the term "or equal," without prior determination of materials that will be accepted as equal, in an attempt to establish a so-called "open" specification, frequently results in uncertainty and misunderstanding and should be avoided. The use of the term shall be rigorously disallowed.

By specifying the particular material desired, if the owner is advised and is prepared to risk a non-competitive price.

By specifying two or more materials any one of which is acceptable, the choice being left to the bidder, preferably to be determined in the awarding of the contract.

6. If a specific method is required as well as a guarantee of the result, the contractor should be given the right to protest the method if in his judgment it may not produce the required result, in which case an alternative method should be determined by agreement or arbitration.

The committee further recommends:

1. The low bidder shall be allowed a seven (7) day period to review his subcontracts the types and classifications of materials used in the preparation of their bid as well as showing any deviation in price between materials specified and those used, so that the parties to the Contract may make an equitable adjustment prior to the signing of the contract.

2. The use of the expression "by others" should be deleted, unless it definitely defines who the others are and the extent of the work to be performed by them.

3. In preparing the specifications for a proposed building project and in the administrative duties necessary to complete the building the architect and the contracting parties should carefully consider Article 2, 6th Edition of the A.I.A. General Conditions, which states as follows:

"The intention of the documents is to include all labor and materials, equipment and transportation necessary for the proper execution of the work. It is not intended, however, that materials or work not covered by or properly inferable from any heading, branch, class or trade of the specifications, shall be supplied unless distinctly noted on the drawings.

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Timed to coincide with the official opening of the building, the special issue appealed to many visitors. Adrian N. Langius, F.A.I.A., Head of the State's Building Division, thought much of the material in this issue would be of interest to State officials, so the magazine was sent to a rather wide segment at Lansing, with an accompanying letter.

MICHIGAN SOCIETY OF ARCHITECTS in cooperation with the Michigan State University will present a 13-week series of TV programs originating from the University station, WKAR, in East Lansing. The 'Architects' Notebook' as the programs are to be known, will start October 3rd and are to be emceed by Kay Eyd. The programs will be kinescoped and made available to other TV stations in Michigan.

The programs will bring to the TV audience such outstanding architectural personalities in Michigan as Alden B. Dow, Roger Allen, Eero Saarinen, James and Betty Conn; Robert and Pipsan Swanson, and others as the programs get underway.

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October '55 monthly bulletin
FREDERICK A. FAIRBROTHER, A.I.A., has been elected an emeritus member of The American Institute of Architects, its Detroit Chapter and the Michigan Society of Architects.

Fairbrother is a partner and chief architect in the Detroit firm of Albert Kahn Associated Architects and Engineers, Inc. He has been with the firm since 1915, and he has become registered as an architect in 13 states and by the National Council of Architectural Registration Boards.

In 1942 Fairbrother was elected a director of the Detroit Chapter, A.I.A., and he served for three years. He served on the Chapter's committees on allied arts, building codes, relations with the construction industry, fees and specifications. From 1944 to 1946 he was a member of Highland Park's planning commission.

Governor G. Mennen Williams appointed him to the State's Civil Defense Committee in 1950, and also to the Governor's Committee on Public Works, and the State's Advisory Hospital Council.

LOUIS C. KINGSCOTT, A.I.A., of Kalamazoo, a member of the Western Michigan Chapter, American Institute of Architects, has been made an honorary member of the Michigan Engineering Society.

A native of Bear Lake, Mich., Kingscott graduated from the University of Michigan in 1922, and he soon became registered as both an architect and engineer in Michigan. He was a member of the State Board of Registration for Architects, Professional Engineers and Land Surveyors, and he served as its president.

After a period of employment in offices of Michigan architects and engineers, Kingscott established his own practice, which is now under the name of Louis C. Kingscott & Associates, Inc., Architects and Engineers.

MISS KAREN RUSH, daughter of Detroit architect, J. Leonard Rush, A.I.A., has been awarded the John H. Vanderpoel scholarship for 1955-56, by the school of the Art Institute of Chicago.

Miss Rush is a graduate of Detroit's Cass Technical High School and a former student of the College of Architecture and Design, University of Michigan, which she attended before entering the Art Institute of Chicago in 1953.

A member of Zeta Chapter, Delta Phi Delta, national honorary fraternity for artists, she also was awarded the Daniel Van DeGrift scholarship for the current year at the Institute.

GEORGE I. HAAS, A.I.A. AND MRS. HAAS, formerly of Detroit, now of Miami, Fla., were visitors to Detroit recently, following his attendance at the annual convention of Kiwanis International in Cleveland, O.

Haas was one of the organizers of Kiwanis, as well as of the Michigan Society of Architects, of which he served as president. Both Kiwanis and the Society were established in 1915.
products news

producers' council

calendar of coming events

Nov. 14—Flooring Material Dinner, Fort Shelby Hotel, Detroit.
Dec. 12—Architects - Producers' Dinner. Fort Shelby Hotel, Detroit.
Jan. 9, 1956—Insulation Dinner, Fort Shelby Hotel, Detroit.
Feb. 13—"Mechanical Trades Night" Heating Dinner, Fort Shelby Hotel, Detroit.

(In connection with M.S.A. Convention)

Apr. 9—Architects Dinner. Fort Shelby Hotel, Detroit.
May 14—Harvey Campbell Dinner, Fort Shelby Hotel, Detroit.
June 11—Election of Officers Dinner, Ford Shelby Hotel, Detroit.

The first Fall dinner meeting of the Producers Council, Inc., Detroit Chapter was held September 19 at Hotel Fort Shelby, Detroit.


WOLMANIZED PRESSURE TREATED lumber, which was available by custom order only, is now available to the Michigan area. Wolmanized lumber is to the construction field what non-rusting metals are to industry. It is lumber which has been klin dried and specially treated—impregnated under a high pressure of 250 pounds per square inch to a deep penetration with a solution of WOLMAN preservative salts to stop rot and kill termites, to protect against fungus and prevent mold. It is clean, odorless and paintable—like untreated lumber—except that through pressure treatment it has been made more durable for special use in or near the ground or where decay is a factor.

Architects will be glad to know this lumber is now stocked in the Detroit distribution yard of the Hansen Wholesale Lumber Corporation in quantities suitable to their needs.

Kresge Medical Research Building, University of Michigan, Ann Arbor

A NEW FIREPROOF FABRIC eliminates sun glare, permits daylight illumination as well as view-ability and ventilation through large windows. The fabric called Infinity Diffusion cloth has practical applications in hotel lobbies, banks, offices, school classrooms or anywhere that sun glare creates a problem. Not only the fabric, but complete drapery installations are available through C. A. Finsterwald Co., Detroit in cooperation with the Edwin Raphael Company, Inc., of Holland.

Drapery of Diffusion cloth will not stretch or shrink and can be washed by any method with any cleaning compounds. The color is imbedded in the Saran synthetic before the basic filaments are extruded and is much more color-fast than the best vat-dyed materials.

Specially designed "T" beam traverse rods, and a drapery that uses tapes and roller bearing carriers instead of hooks, permits the draperies to be taken down or rehung in minutes and eliminates the breaking of draw cords so that maintenance is simple.

Final construction is now being completed on the $500,000 plant started last April. While tests and adjustments are being made in preparation for the beginning of regular production. All six autoclaves are in position in the Curing Building and are being gradually heated with steam produced in the new Steam Generating Plant.

All light-weight concrete masonry units produced at Cinder Block, Inc., will be cured in this new installation. They will be subjected to 350° steam at approximately 150 p.s.i. under 100% humidity on a 12-hour cycle, with two cycles run each day. This curing will result in a more stable unit, and one which will be entirely satisfactory for immediate use. Units cured in this manner will contain at least 50%, less moisture than under any other known curing method; and will approximate their full strength within the first 24 hours, equal to at least 28 days of moist curing. Units produced and High-Pressure Steam-Cured at Cinder Block, Inc., are to be known by the registered name of "Horn-Caved".

Enthusiasm is naturally running high at the plant with the finish-date so near, and nearly every day visitors are being given a "sneak preview". However, present plans call for an elaborate party in the near future to celebrate the event. Invitations will be issued in sufficient time to make plans to attend.
city planning

THE CITY OF HIGHLAND PARK has authorized the retention of an assistant to the City Planner at a wage range of $4,500 to $5,100. City Planner Richard R. Fernbach, A.I.A., states that while the work required to be done would be of a generalized city planning nature, there are exciting special projects on the board which include work for which the training of an architect would be especially valuable. An architectural graduate wishing to specialize in planning would find this to be an unusually valuable opportunity. It is suggested that those interested, or those knowing of prospects get in touch with Dick Fernbach in the City Hall in Highland Park, Michigan.

WANTED—Architectural graduate to teach architectural drafting on a two-year technical institute level in the Trade and Industrial Division of Ferris Institute, Big Rapids, Mich.—Jon F. Adams, Director

DRAFTSMEN'S FORUM — Second meeting. Tuesday evening, Oct. 18, Rackham Memorial Building. Topic to be announced later.—W. R. Lavalli, Chairman, Publicity Committee, Detroit Chapter A.I.A. Committee on the Practice of Architecture, % Smith, Hinchman & Grylls, Inc., Architects and Engineers


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ROBERT F. HASTINGS, A.I.A., Vice-President of Smith, Hinchman & Grylls, Inc., Architects and Engineers, is head of the Architects and Engineers Division of Detroit's Torch, working with Gerald G. Diehl, A.I.A., who is a co-chairman of the Building Industry Division. C. Allen Halban is Chairman of the overall group of Business and Industry. Last year the architects and engineers raised more than $40,000. The Building Industry Division exceeded its 1954 quota of more than $360,000, reaching a total of some $390,000.

M. D. Eames

Melville D. Eames, attorney with the firm of Smith, Hinchman & Grylls, Inc., Architects and Engineers, for almost 50 years, died at his home, 108 Connecticut Avenue, Highland Park, Michigan, on September 5. In addition to serving as the firm's attorney, Mr. Eames was also head of its Appraisal Department.

O. L. Canfield

O. L. Canfield, a vice-president in the firm of Albert Kahn Associated Architects and Engineers, Inc., died in Beaumont Hospital, Royal Oak, Mich. on September 20.

A native of Michigan, Mr. Canfield graduated from Purdue University in Civil Engineering. In addition to heading the Estimating Department of the Kahn organization, Mr. Canfield was coordinator of architects, clients and contractors, notably on many of the Nation's war plants. He had been connected with the firm since 1915, and he became an associate in 1940. Mr. Canfield was a member of The Engineering Society of Detroit and the Michigan Society of Professional Engineers.

He leaves his wife, Anna; three sons, Robert, James and John, all of Berkley, Mich., and two daughters, Mrs. Roger Perrault, of Berkley, and Mrs. George M. Bidigare, of St. Clair Shores. Twenty-three grandchildren also survive.

Inez Marie Dutro, Notary Public
There is a new pattern for family living in America — more children, better health and hygiene, more personal grooming, greater luxury and convenience. All these add up to the need for two bathrooms.

Home designs can be made more desirable and livable with two bathrooms. Home sales can be made much more readily. And installation is so fast, easy and economical with modern, engineered fixtures.

Exceptionally pleasing pastel colors, surfaces hard as glass, exclusive safety and utility features, trouble-free fittings, time-saving installation, realistic prices — these are only a few of the many reasons why Briggs Beautyware is first choice for an ever increasing number of two-bathroom homes.
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For your ranch home, you can have two widely separated bathrooms—each a blend of luxury and utility. For example, Beautyware surfaces are hard as glass, stain resistant, and so easy to keep clean. Beautyware tubs have an exclusive safety bottom. Closets are whisper-quiet. Lavatories are deep-contoured, handsome. In every detail, Beautyware fixtures are smart, durable and practical.

TWO BATHROOMS—CONTEMPORARY STYLE

In a contemporary dwelling, you may prefer a split level floor plan with two adjacent Briggs Beautyware bathrooms. Like all Beautyware two-bathroom plans, this is extremely practical, for Beautyware's matchless quality actually costs less. Better homes everywhere are featuring the practical luxury and convenience of two Beautyware bathrooms for today's modern living.

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It was a great pleasure for me to represent the Honorable G. Mennen Williams, Governor of Michigan, at your Awards Dinner on Wednesday evening, September 21.

It is extremely gratifying to those of us in the State government that your fine organization would see fit to honor those many State officials through whose energies, vision and abilities the idea of a modern State Office Building was made a reality. I was most pleased to receive this Award of Merit on behalf of the State. As soon as we have appropriately framed the document it will be placed in a conspicuous location in the Stevens T. Mason Building. This Award means much to the Governor, and I am sure that it will be equally well appreciated by the Honorable Harry F. Hittle, State Senator, and his colleagues on the Joint Legislative Committee which is spearheading the efforts in the State Legislature to develop the four-block area immediately west of the State Capitol.

It will also be a pleasure to call this fine Award to the attention of the Honorable Vernon J. Brown, President of the Michigan State Office Building Corporation, which Corporation is the legal owner of the Stevens T. Mason Building. Naturally, the Department of Administration, and particularly the Building Division, under the leadership of A. N. Langius, is extremely proud and happy over the recognition given the Stevens T. Mason Building by your Awards Jury.

Again may I say thank you for the fine honor you have conferred upon the State of Michigan, particularly at a time when the bad in State government is exaggerated out of all proportion to the realities of the situation, and the good in the State government is so often hidden from public view.—JAMES W. MILLER, Controller

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I deeply appreciate the honor of becoming a member emeritus of the Michigan Society of Architects and I want to thank the Board for its approval and kind expressions. It has given me great satisfaction to watch the Society grow from a small group of earnest young architects to the present splendid organization of today. The officers, past and present, deserve great credit for this wonderful success.—ALBERT E. WILLIAMS

We are in possession of your September issue of the Monthly Bulletin, Michigan Society of Architects. In this issue there is a very interesting and well-prepared article on the new City-County Building in Detroit, Michigan, which interests us very much.

We would like to obtain ten copies of this issue for use by the City Administration and Council. The reason is that Toledo is planning on building a new City Hall in the near future.

Will you please send us these issues, if you have them, and bill us for the cost, or advise us how we may obtain the copies.—JOHN H. DAVIS, Commissioner, Division of Engineering and Construction, Toledo, Ohio

Here at Cranbrook Academy of Art we are very glad to receive the Monthly Bulletin, Michigan Society of Architects. I am sure the faculty members and students of architecture will find the issues both interesting and instructive. I have already thanked Mrs. Bemis for suggesting that you put us on your mailing list.—MRS. RUSSELL BARNES, Librarian

Thank you for the September issue of the Monthly Bulletin, Michigan Society of Architects. I shall read with keen interest the articles you referred to in your accompanying letter. Indeed I have much to learn from the entire contents of this magazine.—Vera Beals, Member, The Regents of the University of Michigan.
Utica National Bank, Main Office Building
Utica, Michigan

National Lumberman's Bank
Branch Office Building
Muskegon, Michigan

Work of
Erwin L. Broecker, A.I.A.
Architect
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Architect
Detroit and Battle Creek, Michigan
The Detroit Bank
Branch Office Building
Schoolcraft and Dale Ave.
Detroit, Michigan
Work of Erwin L. Broecker, A.I.A.
(continued)

Romulus State Bank, Main Office Building
Romulus, Michigan

Ann Arbor Bank Addition
to Main Office Building
Ann Arbor, Michigan

Health Service Building for Y.M.C.A.
Camp Ohiyesa, Holly, Michigan
THE J. L. HUDSON COMPANY's Northland Shopping Center in Southfield Township, Mich., by Victor Gruen & Associates, Inc., Architects and Engineers, received an Honor Award in Detroit Chapter's recent competition. Upon receiving the Award, Mr. Horace Carpenter, I.I.H V-P and General Manager of Northland, read the following letter which had been received at the Center:

Hudson's Northland:

What the hell! A fire hose across Northwestern Hiway on a Sunday Afternoon.

Wonder what a.o.-brain, engineered (?) designed (?) or laid an egg by putting Stouffer's in a position requiring a fire hose across Northwestern Hiway.

It took me and perhaps a thousand, maybe 2 thousand other motorists carrying an average of 1 or 2 passengers ten minutes to get to 8 mile rd., via Greenfield, no left turn of course, so I went on to seven mile rd., losing another ten minutes in getting to my destination.

This, if my time loss were average, comes to some 2000 man hours lost because some so-called engineer arranged things to ultimately result in getting a fire hose across Northwestern Hiway.

I hereby firmly resolve to patronize more than these super monsters that inconvenience thousands of motorists by their selection of engineers who? etc. etc.

Praise be to the men who poured the concrete around the stores. The water after a rain seems to drain off instead of remaining in puddles, a very common fault of cement contractors from here to Los Angeles.

I like the welded art work around Northland. The man who did it should get more jobs of a similar nature. The gadget that squirts water thru a multi-colored glass rotating partial cylinder is fascinating.

Too bad. I liked Northland until that d-- fire hose blocked me on a Sunday afternoon.

Too bad.

Too bad.

Too bad.

Others will "get wise" to the phony setup and return to trading at the corner grocery store where they won't have to wait — — — for traffic jams caused by such stupid engineering.

I'd sign my name but I've already given too much time to an unworthy subject to be interviewed further.

EERO SAARINEN, F. A. I. A., whose two submissions recently won First Awards in both national and local competitions, is a colorful figure—always has been. His distinguished father, the late Eliell Saarinen, F. A. I. A., used to tell the story of Eero as a boy commenting on a Chicago architect who visited the Saarinen home at Cranbrook. At cocktail time the elder Saarinen asked the visitor what he would have, and received the reply, "Oh, I never drink a thing." Eero sidled up to his father and whispered in his ear, "Can't be a very good architect."

We've been waiting these many months for an item from Gainesville, Fla., the seat of learning in that State. Sure enough, along comes this from one of the architectural faculty:

"Mrs. Margaret Seay complained to the sheriff's office that someone stole her house. When last seen the two-room domicile was wearing white paints and blue screens."

Some writers and artists seem to have their doubts about equality before the law. One says no one cares if a banker writes a bad poem, but a poet who writes a bad check is sent to jail.

In a SATEVE POST cartoon, an attractive young thing at a cocktail party is saying to her gentlemanly new acquaintance: "I've never met an architect before. Say something architectural."

We wonder if times haven't changed since the young man applied to a construction foreman for a job as a bricklayer and was told, "Why, I couldn't think of doing that. I might start you as an architect and let you work your way up."

Last month we mentioned the Jacques Fath designs with regard to color. Seems there is also a functional aspect. A gentleman at a picnic said to his companion, "Just look at that boy over there, isn't he ridiculous?" The companion replied, "I'll have you know that's not a boy, that's my daughter." Gent: "Oh, I didn't know you were her father"—"I'm not her father, I'm her mother."

A chapter referral service received a request from an architect for a draftsman who was "capable, honest, industrious; no cigarette smoker or drinker, he should be a good entertainer."

Talking it over in the drafting room, one man said to the others, "Why, he doesn't want a draftsman, he wants a minister who is inclined to be acrobatic."
california

JOHN CARL WARNECKE, A.I.A., San Francisco architectural firm has been chosen to help create a demonstration train display of American Class-rooms which will show 100 years of progress in school design.

Sponsored jointly by the Henry Ford Museum, Greenfield Village and Encyclopedia Americana, the train is now being previewed in Washington. It will be sent to 250 U. S. cities, and later to Canada and Mexico. Its two special cars will contain classrooms typical of "yesterday" in contrast to others showing best modern design. Its purpose is to encourage more student interest in teaching and classroom challenges.

WASHINGTON, D.C.

LEON CHATELAIN, JR., F.A.I.A., and Martin Wiegand, two members of the Washington Building Congress, are included in the IX will other Urban Renewal Council appointed by the District Commissioners. This group will spearhead community efforts to help the District government's drive to clean up slums and rehabilitate housing.

Council members were selected on the basis of their interest in fields affected by the Urban Renewal program. Among the tasks of the Council will be finding financial help for persons unable to meet the new housing code standards, coordinating slum clearance with school and recreational planning, and helping to enforce city regulations.

Lt. Colonel Robert E. Matte, Assistant Engineer Commissioner, will direct the over-all renewal program.

ILLINOIS

ARCHITECTURAL WOODWORK INSTITUTE will hold its third Annual Convention on October 20th and 21st at the LaSalle Hotel in Chicago. Those attending will hear a report of last year's progress and activities, and take part in helping to formulate the crucial Third Year's Program.

INDIANA

C. EUGENE HAMILTON, A.I.A., Muncie architect, has been appointed by Governor George Craig to the state administrative building council, which maintains state building codes for construction, safety and health. Mr. Hamilton also has been assigned to the school construction committee of the council.

NEW YORK

LAURENCE SCACCHETTI, A.I.A., formerly head of the Specification and Kitchen Planning & Feeding Departments of the architectural firm of Voorhees, Walker, Smith & Smith, has joined the firm of Kelly & Gruen as Director of Operations and is to serve as Office Manager and Chief of Production.

Mr. Scacchetti has had more than thirty years experience in the fields of institutions, apartment houses, hotels, industrial plants and industrial cafeteria facilities and residences.

JOSEPH GREENE, A.I.A., has been appointed Chief Supervising Architect in charge of all field operations with the firm of Kelly & Gruen. He has had more than thirty years experience in the planning, construction and supervision of institutions, including hospitals, schools and universities, municipal buildings and large-scale housing projects.

HARRY E. RODMAN, A.I.A., recently was made a full professor of architecture at Rensselaer Polytechnic Institute, Troy, N.Y., where he has taught since 1946. Prof. Rodman is a graduate of Iowa State College and Harvard University. He did extensive work in structural engineering at Cornell University and has taught at the State College of Washington.

PENNSYLVANIA

LOUIS I. KAHN, A.I.A., nationally known Philadelphia architect, has been named professor of architecture in the University of Pennsylvania's School of Fine Arts. Dean G. Holmes Perkins has announced. For the last four years he has been chief critic in Yale University's Department of Architecture.

In collaboration with G. Robert LaRocca, a French civil engineer, who has been appointed visiting professor of design, Kahn will introduce a course in the integration of engineering and architecture, the dean reported.

TENNESSEE

WILLIAM MANN, A.I.A., has announced the formation of his new firm to be known as William Mann, Architect, and Leigh Williams, Associate. The offices are located at 678 Arkansas, in Memphis. The firm reports it will specialize in "creative architecture" in the residential, commercial, industrial, remodeling and interior fields. Mr. Mann is secretary-treasurer of the Memphis Chapter, A.I.A.

TEXAS

MAYOR R.L. THORNTON was made an honorary member of the Dallas Chapter, A.I.A., at its recent meeting.
ancient corn

By HENRY P. WHITWORTH, A.I.A.
Winter Park, Fla.

"Bring the outside inside and the inside outside. That ancient platitude is becoming somewhat threadbare."

"What do you mean by that, sir?"

"It's plain as Pike's hat what I mean. Getting down to first principles, an abode is built as protection against the weather. If it can be amplified into a pleasant place to sojourn while the weather is inclement, so much the better, but that 'outside living room and inside garden' flaire is nothing new. The ancients built their houses that way some three or four thousand years ago. See the books, my dear boy."

This conversation took place on the street of a Florida town between an elderly gentleman who had once been a noted actor in Shakespearean roles and a young, up-and-coming architect who was devoted to the contemporary phase of design.

"If I am not too bold, sir, how did you get that black eye you are sporting? Did you run into an open door in the dark, or am I touching on a delicate subject?"

"You are just like all the other architects I know. Nothing escapes your observation. Well, to be frank, I was strolling through the living room of the ultra-modern home that Edith and I acquired, looking for a daisy to put in my button-hole, then I fared forth into the patio, where I fell over the fireplace andirons and plunged prone upon the pavement, hat, stick and ulster."

"What were the daisies doing in the living room?"

"That's what I'd like to know, and what was the fireplace doing out in the patio?"

"Your home seems to be quite subtle in its conception. Do you suppose there is something hidden there, some ultra-elusive quality that we have not as yet grasped?"

"Well, I am sure that much of the so-called English that some critics use in describing a modern home is beyond my grasp. The word 'exciting' is misused so much that it has become quite meaningless and stale."

"That is true, sir. In an article I read recently, one of those insipid critics said, 'the spatial entity gives way to the north wherever and imposing on the public. That ancient platitude is becoming somewhat threadbare.'"

"That's what I mean by that, was he trying to infer that there was no door in the non-existing partition?"

"Something like that, I suppose, but tell me this, sir, are you going to take part in the production of Hamlet they are to put on at the high school?"

"Tut, tut, don't be silly, my boy. My acting days are over. I've played every role in Hamlet, from the grave-digger to the melancholy Dane himself, and all I want to do now is sell that contempla—contemporary house that Edith bought, and move into a simple little cottage where the burdocks do not come creeping into the living room. As far as that patio business is concerned, it's corny, and Edith and I like our corn on the cob."

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Louisiana 296
Maine 46
Maryland 333
Massachusetts 671
Michigan 1520
Minnesota 284
Mississippi 32
Missouri 544
Montana 63
Nebraska 141
Nevada 55
New Hampshire 69
New Jersey 1061
New Mexico 78
New York 3166
North Carolina 206
North Dakota 75
Ohio 1118
Oklahoma 170
Oregon 226
Pennsylvania 1506
Rhode Island 104
South Carolina 172
South Dakota 30
Tennessee 225
Texas 1222
Utah 78
Vermont 29
Virginia 371
Washington 282
West Virginia 78
Wisconsin 378
Wyoming 55
Alaska 7
Canada 4
Canal Zone 1
Hawaii 24
Philippines 2

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THEREFORE, when we build,
Let us think that we build forever.

October '55 monthly bulletin
Does your building-front work the night shift . . . like this? Advertising your name, product, service?

Inexpensively and simply you can light up the front of your building so passers-by will see. And they will see for eyes are instinctively drawn to the brightest thing in sight.

Ask your Edison man about exterior lighting—its ability to identify, decorate, protect. He'll be glad to give you all the information you need, including approximate cost of fixtures and amount of electricity used. He'll tell you, too, about an inexpensive time clock which can be set to turn off the lights at any hour you choose.

In fact, if you have any problem which electricity can solve, call Detroit Edison.

**There's an Edison man to advise you on:**
- Plant Location Service
- Air Conditioning
- Industrial Process Heating
- Commercial Electric Cooking
- Commercial Lighting
- Ultra-violet Radiation
- Commercial Electric Water Heating
- Electric Space Heating
- Materials Handling and Power Applications

*In Detroit phone WOodward 2-2100, Ext. 300. Elsewhere telephone your nearest Edison office.*
Delco-matic makes the garage door as mechanically up-to-date as the rest of the home; adds a new and different sales feature which will be used at least FOUR TIMES EVERY DAY—much oftener than many other conveniences.

The most overdue improvement in any fine home has just arrived in a package marked Delco-matic

Would you, as an architect, agree that the most overdue item of standard equipment in the architect-designed, custom-built home is the garage door operator? Every such home implies the use of many household conveniences and it is estimated that upward of 20 motors will help to run the household.

Yet, the garage door, largest item of moving equipment in the whole place, may still be operated by hand, just as it was 20 years ago. And, the housewife will still have to get out of her car in rain, snow or midnight darkness to operate it.

GM-Delco Delco-matic Garage Door Operator eliminates this inconsistency and brings the garage door mechanically up-to-date with the rest of the home. It is a new, simple, compact, "package" unit, so well engineered that it weighs only 50 pounds and in new work, can be installed by one man in two hours. There's nothing to install outside the garage except the transmitters and push-buttons in the home-owners cars.

Why not call Crawford Door Sales Co., listed in your phone book under DOORS and ask them to send you "QUICK FACTS about DELCO-MATIC"—or write us for a copy.