Need More 'n' More
HOT WATER?

Easy...
If your Heater's
ELECTRIC

For hot water on tap...
For clean, quiet, carefree service...
For automatic, completely dependable water heating...

BE MODERN...
GO ELECTRIC!

SEE YOUR DEALER or Detroit Edison
GENERAL CONTRACTORS FOR

OWNEN-AMES-KIMBALL COMPANY
GRAND RAPIDS, MICHIGAN

engineers
builders - - - for more than 60 years

CHURCHES, SCHOOLS, BANKS, OFFICE BUILDINGS, HOTELS, CIVIC AUDITORIUMS, CLUBS, POWER PLANTS, MANUFACTURING, FOOD PLANTS, BAKERIES AND HOSPITALS
The Board of Directors of the Michigan Society of Architects met at the Morton House in Grand Rapids on the afternoon of April 15, then joined with members of the Western Michigan Chapter for a social hour and dinner meeting. Klingman's Furniture Store, across the street from the Morton, entertained the joint group of T. Keating House Competition drawings, which were at the store during that week. The drawings, exhibited at Detroit, Lansing, and Grand Rapids, will next be shown by Mr. Keating at his offices, Thirteen Mile and Lahser Roads in Detroit. At the dinner meeting, Elmer J. Manson, local chapter president, president and called upon society president, Leo M. Bauer, who reported briefly on his board meeting.

HARLAN SCHOLARSHIP RELEASED

President Bauer announced that the C. Allen Harlan Scholarship had been finally approved for release to the press and for distribution to applicants. The deadline for filing applications is June 1, 1952. Forms may be obtained by applying to the society's office, 120 Madison Avenue, Detroit 26.

SENATE BILL 303 PASSED

The president also reported that Senate Bill 303, which has to do with amendments to the architects' and engineers' Registration Act, had been passed by the House and Senate at Lansing, in its original form, without the objectionable amendments, and it now awaits the Governor's signature. This Act, including amendments, will be published in the Bulletin in the near future.

CONVENTION IN DETROIT

The Society Board heard a final report from Linn C. Smith, general chairman of the Society's 38th Annual Convention, held in Detroit on March 5-8, 1952. It was agreed that this was one of the best in the Society's history. Linn gave much credit to the chairman and members of the committee, who, he said, did their work so well. Because of increased attendance in recent years, the space required for the exhibits, banquet and other features, it was felt desirable to engage facilities at the Statler for five years in advance, for the second week in March. President Bauer announced that James B. Morison, A.I.A. of Detroit had been named general chairman for the 1953 convention.

MACKINAC CONFERENCE

Ralph W. Knuth had reported to the Board that plans for the Society's Midsummer Conference at the Grand Hotel on Mackinac Island were progressing apace. Another small house competition will be held in the meantime and drawings exhibited at the hotel on July 31, August 1 and 2. There will also be other exhibits.

SPECIAL REPRESENTATIVE

Neil C. Bowles reported on his activities in connection with recent legislation at Lansing, and on plans for the future. He will be calling on architects of the State again and it is hoped that they will give him every cooperation.

TO MEET IN ANN ARBOR

The next meeting of the Society Board will be at the home of Ralph W. Hammett, Society vice-president, in Ann Arbor, on May 7. After the board meeting, members of the board will meet jointly with the faculty of the College of Architecture and Design for a discussion of architectural education, in order that the Board may be better informed as to what the College teaching and to explore the possibility of the Society being more helpful.

ARCHITECTURAL EXHIBIT

President Bauer stated at the dinner meeting that the second week of the Keating Competition drawings at Klingman's in Grand Rapids was a splendid gesture on their part. The cocktail party there afforded an excellent opportunity for the visitors to mingle with the local members of the profession and to meet the "Klingman boys" who turned out to be the Vanenburg boys. The surroundings of fine modern furniture added much to the enjoyment. It was nice to see again our good friends, old and new, from Western Michigan.

CHAPTER DINNER

President Manson called upon program chairman, C. A. O'Bryon, who in Ann Arbor, on May 7. After the board meeting, members of the board will meet jointly with the faculty of the College of Architecture and Design for a discussion of architectural education, in order that the Board may be better informed as to what the College teaching and to explore the possibility of the Society being more helpful.

ARCHITECTURAL EXHIBIT

President Bauer stated at the dinner meeting that the second week of the Keating Competition drawings at Klingman's in Grand Rapids was a splendid gesture on their part. The cocktail party there afforded an excellent opportunity for the visitors to mingle with the local members of the profession and to meet the "Klingman boys" who turned out to be the Vanenburg boys. The surroundings of fine modern furniture added much to the enjoyment. It was nice to see again our good friends, old and new, from Western Michigan.

CHAPTER DINNER

President Manson called upon program chairman, C. A. O'Bryon, who in Ann Arbor, on May 7. After the board meeting, members of the board will meet jointly with the faculty of the College of Architecture and Design for a discussion of architectural education, in order that the Board may be better informed as to what the College teaching and to explore the possibility of the Society being more helpful.

ARCHITECTURAL EXHIBIT

President Bauer stated at the dinner meeting that the second week of the Keating Competition drawings at Klingman's in Grand Rapids was a splendid gesture on their part. The cocktail party there afforded an excellent opportunity for the visitors to mingle with the local members of the profession and to meet the "Klingman boys" who turned out to be the Vanenburg boys. The surroundings of fine modern furniture added much to the enjoyment. It was nice to see again our good friends, old and new, from Western Michigan.

CHAPTER DINNER

President Manson called upon program chairman, C. A. O'Bryon, who in Ann Arbor, on May 7. After the board meeting, members of the board will meet jointly with the faculty of the College of Architecture and Design for a discussion of architectural education, in order that the Board may be better informed as to what the College teaching and to explore the possibility of the Society being more helpful.
RALPH GERGANOFF PICTURES HIS FLIGHT AROUND THE WORLD

Ralph S. Gerganoff, A.I.A., of Ypsilanti, was the speaker before a meeting of the Detroit Chapter, A.I.A., in the auditorium of the Rackham Memorial Building in Detroit on the evening of April 16. He showed color motion pictures taken on his world flight last fall.

At dinner preceding the lecture, Vice-President Amedeo Leone presiding, reported briefly on the board meeting which took place during the afternoon. He announced the national honor awards of the Institute, stating that closing date is June 7. Members are urged to send in their entries direct to Washington, according to the program that has been mailed to all members.

At the request of Leone, Clair W. Ditchy added some information about the national convention, saying that the committee in New York is working overtime to make it one of the most enjoyable and profitable in Institute history.

Al also reported the passage of House Bill 309, amending the Registration Act, saying that objections to the amendments were eliminated and the Bill passed in its original form. He gave much credit to Leo Bauer, Gus Langius, Charles McGrew and other members of committees who did a great service for the profession.

In introducing the speaker, Leone recalled the time some years back when an architect or student went to Europe, generally by steamer, and then by bicycle to the various points of interest. In contrast to this, he said Clair and Berenice Ditchy conducted a deluxe tour last fall and Ralph Gerganoff went around the world by air. Just how an architect finds time for this and still do his work, he did not know, but he emphasized that Gerganoff does do a great deal of fine work.

Ralph launched into his pictures immediately, talking as they were being shown. He related that he had the opportunity to see a hospital which he had planned some years ago for the City of Scopie, Masedonia.

He saw little new construction except the railroad stations and warehouses ina and a commercial building in Pakistan.

He said that many people were interested in the cost of such a trip, so he gave his audience an idea. He stated that plane fare was about $2,500, hotels, etc. about $1500 and other incidents made a total of about $6500.

Ralph showed as his first picture the changing of the guard at Buckingham Palace in London; then followed other scenes there and pictures taken in Europe, the Holy Lands, Turkey, Greece, the Middle East, Far East, Honolulu, and back to San Francisco.

In each country he gained considerable knowledge about the lives and customs of the people, which he revealed to his audience in a most interesting way.

A considerable number of lay people, including ladies, were in the audience, and expressions from many were to the effect that this was one of the finest programs the Chapter has had. It appealed to architects and the public alike.

An Open Letter to All Practitioners and Architectural Registrants of Michigan

Our amendments to Act No. 240, P.A. 1937, as contained in House Bill No. 309, have been approved by the Senate and House of Representatives of the Michigan Legislature. The Bill now awaits signature by the Governor, enacting it into law. You will remember that this Bill is the one on which our Special Committee on Legislation worked with great diligence for almost a year. The text of the complete Act, together with the recent amendments, is included in this issue of the Monthly Bulletin.

To all of you who have responded so magnificently to our call for help, may I express to you the sincere appreciation from each Member of the Board. We have received subscriptions from approximately one-half of the total membership, and to those of you who have not sent in contributions may I urge that you do so immediately. The program which you may believe complete has only begun, and will require much time and cost in the foreseeable future. The names of those who have contributed to the Special Legislative Fund are listed below.

May I extend a big and genuine "Thank you" to those who have contributed, with the hope that every registrant in this State who is delinquent will send his contribution immediately. Ours is a program for the entire profession, and not just for the few who have supported our efforts in your behalf.

Very sincerely yours,

MICHIGAN SOCIETY OF ARCHITECTS
By Leo M. Baner, President.

THE AMERICAN INSTITUTE OF ARCHITECTS
Rackham Memorial Building, 100 Farnsworth Ave., Detroit
MONDAY, MAY 19, 1952
Board Meeting, 4:00 P.M.—Dinner, 6:30—Program, 8:00
SOCIAL HOUR — REFRESHMENTS — 6:00

Speaker and subject will be announced later, when reservation cards are mailed.

It is believed that the speaker will be Mr. Charles Eames, of Venice, California.

Dinner will be in Rooms E, F & G., the lecture will be in the auditorium.

Delegates to the A.I.A. 84th Convention in New York City, June 24-27, will be elected.

Meeting of the
DETROIT CHAPTER
AIA

Page 3
STROM CONSTRUCTION COMPANY

GENERAL CONTRACTORS
AND BUILDERS OF THE

PHYSICAL EDUCATION BUILDING
CENTRAL MICHIGAN COLLEGE
OF EDUCATION, MT. PLEASANT, MICH.

FIRST AND LEXINGTON AVENUES—GRAND RAPIDS 4, MICH.

THE DUNN - RAINHEY COMPANY

MANUFACTURERS
"DURA-GLAZE" ELASTIC GLAZING COMPOUNDS
"DURA-SEAL" ELASTIC CAULKING COMPOUNDS
METAL AND WOOD SASH PUTTY

4461 West Jefferson Avenue
DETROIT 9, MICHIGAN

Telephone
TAshmoo 6-7166

DAVIS BROTHERS, INC.

PLUMBING, HEATING & POWER PIPING CONTRACTORS

2631 Bagley Avenue
Detroit 16, Michigan

TAshmoo 5-2552
RALPH HERRICK

Ralph B. Herrick, A.I.A. senior member of the firm of Herrick and Simpson, Architects, of Lansing, Mich., died on March 29 at the age of 57. He was a member of the Western Michigan Chapter, A.I.A., M.S.A., V.F.W., and Lions Club.

Born in Lansing on July 26, 1894, he graduated from the Lansing High School in 1913, then worked as office boy and junior draftsman for S. D. Butterworth from 1913 to 1917.

Following his service with the 119th Field Artillery during World War I, he returned to the Butterworth office until 1920, when he entered the University of Michigan. He remained at the University until 1922, when he became registered to practice in Michigan and an associate of the Butterworth firm through 1925.

The next five years he spent with J. H. Churchill, as an associate of the firm, then went with the National Park Service.

Since 1937 he has been in partnership with S. G. Simpson in Lansing. The practice is now being carried on by Stanley G. Simson and Bruce M. Hartwick.

Says Architectonics, publication of the Western Michigan Chapter, "Ralph had earned the sincere respect of all architects who knew him. His friendliness and leadership will be missed in our community."

SMALL HOUSE COMPETITION

The program for a concrete masonry home competition announced by President Bauer at the Michigan Building Industry banquet which concluded the Society's 38th Annual Convention, is now being prepared and will be available to contestants on or about May 15, 1952, according to C. A. Sirrine, A.I.A., Professional Advisor to the Competition.

This competition, sponsored by the Society and for which the Concrete Products Association of Detroit has provided $3250.00 for cash prizes, will be open to all architects, draftsmen and students of architecture who are residents of the State of Michigan.

Awards of $1000.00 first prize, $750.00 second prize, $500.00 third prize and ten honorable mention prizes of $100.00 each will be made for designs of a concrete masonry home within the financial reach of the so-called lower income group. A jury of award to be selected from the Society's membership will judge the designs submitted.

Assistance in formulating the competition program is being given by Messrs. Ralph W. Hammett and John O. Blair acting for the Society and by the Association's Technical Problems Committee, composed of Messrs. George A. Mansfield, Herbert J. Vincent and Benjamin Wilk, acting for the Association.

Qualified individuals who wish to enter the competition may so indicate prior to May 15 by written communication addressed to the professional advisor at 76 Adams Avenue, West, Detroit 26, Michigan. The competition program will be delivered as close to May 15 as possible in response to any advance requests and to all others who may elect to enter at a later date.
The Society of Architects. A down by the crick and arunnin' up the and neighin' out yonder? 

Listen! Listen! Hear that whinnin' and neighin' out yonder? 

Listen! Look: Here comes Silver from down by the crick and arunnin' up the hill here to me as if I was his home. He's a beautiful boss and his canter is hill here to me as if I was his home. You see, me and Silver is pals. I got him up at the Bar X ranch in Osage county when he was just a colt. Reckon he might have been killed in that stampede if I hadn't been lucky with my rope. Got him just in time. I raised him to a pony, and he was up to all sorts of things, but never was an ornry critter. And see what a beautiful thing he is now. I curry him lots, and his coat shines like the sun. He was borned in Kansas, too.

Me and him has been all over the plains and these Kansas prairies. Wunst we started down at San Antone, up through Oklahomy, and rode all the way to Dodge to get some herds on the way, so the folks back east could have beef. I guess this meetin's got to be turned back to another feller. Let's get goin'! Hi yo! Silver.

Me and him has been all over the plains and these Kansas prairies. Wunst we started down at San Antone, up through Oklahomy, and rode all the way to Dodge to get some herds on the way, so the folks back east could have beef. I guess this meetin's got to be turned back to another feller. Let's get goin'! Hi yo! Silver.

Hi Yo, Silver, Bauer

DESIRABLE SPACE AVAILABLE for Architect or Designer, Downtown Detroit, 553 East Jefferson, Phone Woodward 5-4427.

The Society of Architects. A down by the crick and arunnin' up the and neighin' out yonder? 

Listen! Listen! Hear that whinnin' and neighin' out yonder? 

Listen! Look: Here comes Silver from down by the crick and arunnin' up the hill here to me as if I was his home. He's a beautiful boss and his canter is hill here to me as if I was his home. You see, me and Silver is pals. I got him up at the Bar X ranch in Osage county when he was just a colt. Reckon he might have been killed in that stampede if I hadn't been lucky with my rope. Got him just in time. I raised him to a pony, and he was up to all sorts of things, but never was an ornry critter. And see what a beautiful thing he is now. I curry him lots, and his coat shines like the sun. He was borned in Kansas, too.

Me and him has been all over the plains and these Kansas prairies. Wunst we started down at San Antone, up through Oklahomy, and rode all the way to Dodge to get some herds on the way, so the folks back east could have beef. I guess this meetin's got to be turned back to another feller. Let's get goin'! Hi yo! Silver.

Hi Yo, Silver, Bauer

DESIRABLE SPACE AVAILABLE for Architect or Designer, Downtown Detroit, 553 East Jefferson, Phone Woodward 5-4427.

The Society of Architects. A down by the crick and arunnin' up the and neighin' out yonder? 

Listen! Listen! Hear that whinnin' and neighin' out yonder? 

Listen! Look: Here comes Silver from down by the crick and arunnin' up the hill here to me as if I was his home. He's a beautiful boss and his canter is hill here to me as if I was his home. You see, me and Silver is pals. I got him up at the Bar X ranch in Osage county when he was just a colt. Reckon he might have been killed in that stampede if I hadn't been lucky with my rope. Got him just in time. I raised him to a pony, and he was up to all sorts of things, but never was an ornry critter. And see what a beautiful thing he is now. I curry him lots, and his coat shines like the sun. He was borned in Kansas, too.

Me and him has been all over the plains and these Kansas prairies. Wunst we started down at San Antone, up through Oklahomy, and rode all the way to Dodge to get some herds on the way, so the folks back east could have beef. I guess this meetin's got to be turned back to another feller. Let's get goin'! Hi yo! Silver.

Hi Yo, Silver, Bauer

DESIRABLE SPACE AVAILABLE for Architect or Designer, Downtown Detroit, 553 East Jefferson, Phone Woodward 5-4427.
Timber Trusses

of heavy monochord construction for your clear span buildings...

Economy of timber, safety of heavy timber construction and dimensional stability of thoroughly seasoned wood are combined in these Tim-Flat parallel chord trusses. They provide permanent, maintenance-free buildings and large areas of clear floor space.

"Shop grown" of kiln dried material by Timber Structures, Inc., pioneers in glued lamination, chords of the Tim-Flat truss are thoroughly seasoned at the outset. When used in conjunction with suitable materials for walls and roof decking, the Tim-Flat qualifies as mill-type construction, provides effective resistance to destruction by fire, earns favorable insurance rates.

For details of both Tim-Flat and bowstring trusses, get our booklet, "Engineered Timber Construction", from your nearest Timber Structures office, or fill in and mail the coupon.

Timber Structures, Inc.

P. O. Box 3783-R, Portland 8, Oregon

Offices in New York, Chicago, Detroit, Kansas City, Dallas, Seattle, Spokane

TIMBER STRUCTURES, INC. OF CALIFORNIA • Oakland, California

TIMBER STRUCTURES OF CANADA, LTD. • Peterborough, Ontario

Local Representatives throughout the United States and Canada

Hydro-Flo Products

Everything for Forced Hot Water Heating

You benefit in two ways when you concentrate your purchases on Bell & Gossett Hydro-Flo Products. First, by a line of products recognized for their superiority of design and workmanship. Second, by utilizing a single source of supply which eliminates time-wasting shopping and gives you a completely integrated installation with one manufacturer's guarantee.

Distributed by

R. L. Deppmann Company

DETROIT GRAND RAPIDS
Architecture Through The Ages
From Few Windows To View Windows

By ROGER ALLEN, A.I.A.

(Speech delivered Sept. 29, 1951, at Bedford, Pa., to Pennsylvania Society of Architects)

When man first came down out of the trees—and confidentially, I consider this was man's first great mistake—it is probable that his first dwellings were caves.

In those days, it was his house. I am not sure of the exact date on which he made this discovery, as I am not as old as I should have been. But after the first dwellers came the Improved Dwelling, or hole in the ground with no-draft ventilation, dinosaur-proof screens, and a breezeway. The breezeway was a good idea. It is said that in those days the wind would go through the mouth of the sabre-toothed tiger, along with the rest of Uncle M. Under the picture was the inscription, "My Uncle Mushdome was a great fellow when he had it, and he's had it." Early Woman did not care for Art. She said it did not go with the draperies. I will now tell you why Early Woman had no influence on domestic architecture. It was because her costume did not include a handbag. In fact, her costume did not include much costume, as far as that goes, and it didn't go far.

Now if you did not happen to be architects, you probably would not understand why the fact that Early Woman had no handbag could be responsible for the fact that she had no influence on domestic architecture. But I need hardly tell my fellow practitioners that unless you have a handbag, how are you going to carry around a bale of clippings from our more refined four-color magazines showing the kind of house you want, one clipping to a room and three extra for the bathroom, and the whole thing not to cost more than so and so because her sister in Dubuque built an even bigger house for such and such.

So we still have Early Man and Early Woman living in Early House, consisting of a cave. They were married, regardless of what you may have heard from the neighbors.

Life was conducted on simple and correct lines in those days. When an Early Man saw an Early Woman who appealed to his finer instincts, he showed more. "Schools?” said Early Man. "Schools of fish,” said Early Realtor. This dull conversation went on aimlessly for some years.

Then women came along, and things were different. You can say that again. It was because her costume did not include a handbag. In fact, her costume did not include much costume, as far as that goes, and it didn't go far.

Now if you did not happen to be architects, you probably would not understand why the fact that Early Woman had no handbag could be responsible for the fact that she had no influence on domestic architecture. But I need hardly tell my fellow practitioners that unless you have a handbag, how are you going to carry around a bale of clippings from our more refined four-color magazines showing the kind of house you want, one clipping to a room and three extra for the bathroom, and the whole thing not to cost more than so and so because her sister in Dubuque built an even bigger house for such and such.

So we still have Early Man and Early Woman living in a cave and by this time Early Man has finished a mural painting which looks like a midget hitching up Rudolph the Red-Nosed Reindeer. Inasmuch as Early Woman had no handbag, there was no influence on domestic architecture.

But I'm glad you asked me that. It has to do with Art. This would have been a good time for her husband to trade her off for another Wooly Mammoth, but he muffed it. "She says her husband is going to build an anti-pterodactyl door with a window in it on their cave and then she is going to put tie-back curtains with ruffles on it," she said. So her husband, not to be outdone, built a pterodactyl-proof French door and she did put tie-back curtains on it and thus interior decoration was on its way to spread ruin and desolation across the centuries.

"Don't tell me the fact that I, like interior decorators. A few months ago I made a speech to the American Institute of Interior Decorators. It was an impassioned plea entitled — "Back to the Platform Rocker."

Did it ever occur to you that things in this country started to go to h—l just about the time people quit rocking in old-fashioned platform rockers? I say "h—l" because that's the way I have to spell it in newspaper copy. I write a newspaper column for The Grand Rapids Press and I have often complained to the Managing Editor that this h—l business is giving people a false idea of my abilities. The theory is that by spelling it "h—l" I am protecting the morals of the young. Of course it actually works out that a tiny tot will even ask me, "What is this h—l business in Allen's column?" And Momsie will pat the manly little fellow on the head and say, "Oh, the man is trying to spell 'heel.'" And then the little lad says, "But Momsie, ain't that a hell of a way to spell 'heel'?

Let us get back to the platform rocker.

Of course nowadays you can buy an Eames Rocker, but this is hardly the same thing. I have an Eames rocker, myself, but it is no adequate substitute for the old platform rocker. The Eames rocker has a plastic seat, if you will pardon the expression.

You are probably wondering what all this stuff about the platform rocker has to do with Architecture Through the Ages.

I'm glad you asked me that. It has nothing whatever to do with it. One of the painful features of my lecture is that it contains so many things that have nothing to do with it. People have mentioned this to me before. Often.

Now we return to Early Man sitting in front of Early Hole in the Ground, thinking. We have reached what I would describe as a cul de sac, if I knew how to pronounce it. We have reached a transition. Yet see, we have
Before Selecting

**BRICK or TILE**

See what

**STEVENS**

**Offers**

Visit our showroom or phone for
Stevens Vitrified Face Brick and
Stevens Structural Glazed and Un-
glazed Facing Tile.

Our complete line includes: Face Brick in every color and texture—Glazed Brick
—Terra Cotta—Paving Brick—Glazed and Unglazed Structural Facing Tile—Floor
Brick and Quarry Tile—Acid Brick—Anti-Hydro Waterproofing—Chem Brick.

**FREDERIC B. STEVENS INCORPORATED**

1800 18th Street at West Vernor
DETROIT 16, MICHIGAN
Telephone TAshmoo 5-0725

---

**McCAUSEY LUMBER CO.**

7751 Lyndon
Detroit 21, Michigan

Telephone UNiversity 1-2523

GEO. T. GILLERAN
OWNER

---

**GRAND RAPIDS TILE & MOSAIC CO.**

Tile, Marble, Terrazzo & Asphalt Tile
on
Hekman Biscuit Company

1045 DIVISION AVENUE, SOUTH, GRAND RAPIDS 7, MICHIGAN, PHONE GRAND RAPIDS 5-0581

---

**ARM-GLAZE**

the **E-L-A-S-T-I-C**

GLAZING COMPOUND

- Specified by leading Architects and Engineers—preferred by Contractors.
  Easy to apply. Never gets rock-hard.
  Won't chip, crack or crumble. Provides LASTING protection. Reduces maintenance.
  A type for every type of task. Try Armstrong's Arm-glaze!

- SEE OUR CATALOG IN SWEETS... also
  FREE, upon request, use of Sound Slidefilm,
  "Application of Glazing Materials."

The ARMSTRONG COMPANY
241 S. Post St., DETROIT, MICHIGAN

---

**A Golden Anniversary!**

Our congratulations to the American Society for Testing Materials
on its 50th Anniversary of service to manufacturer and consumer alike. We are proud to have been associated with the Society for many years.

---

**MASONRY HURON CEMENT**

FORD BUILDING
DETROIT 26, MICH.
to cut from the home that consisted of a cavern to the home that was a cabin, and I am not quite sure how this happened. Nobody is.

How come that people quit living in caves and started living in wooden houses? There are many explanations, all equally bogus. It took time, you understand. There is a lapse here of thousands of years.

I have talked this matter over with a very eminent man — Dr. Elmer Quooney, who was with the faculty of my own alma mater, Grand Rapids Super-Normal. Dr. Quooney is Professor of Romance Languages and Animal Husbandry. Dr. Quooney and I agree that probably the way it came about was this: Early Man is sitting out in front of Early House, thinking. All of a sudden it occurs to him that if, in the course of the centuries, one of his descendants should care to run for President of the United States, and this descendant was qualified to become President, inasmuch as he was neither foreign-born nor a Republican, it would be highly reasonable of him to sign if he could explain that he had been born in a log cabin. It was clever of Early Man to think of this, as he had no idea what a log cabin was.

It is really very simple. A log cabin is called a log cabin because it is cinnamon-shaped and made of logs. This is about as logical a remark as you will meet in many a long day.

The above story is spliced together at the corners and the chinks stuffed with mud. In the Far East the Chinks are stuffed with rice. Recent events have convinced me that the principal trouble with the Far East is that it is not Far enough.

So now we have Early Man's descendants sitting in front of his log cabin. He is known as Early Settler because he pays his bills by the 10th of the month.

Log cabins were made very solid because Indians were in the habit of coming around and trying to break in and get the heirloom, a crew cut, using a hatchet for clippers.

The windows were few and heavily shuttered to keep Indians and sunlight out. One was considered just as unhealthy as the other. It was necessary to have a few windows, however, so that in the case an Indian did break in, you could throw him out. Otherwise the neighbors would say, "Allen is so poor he doesn't even have a window. The neighbors would say, "Allen is so poor he doesn't even have a window."

The function of the window with a lot of glass area is to admit a flood of light. So as soon as the carpenter takes a reluctant leave let us hurry up and hang over the glass some glass curtains, some drapes, some Venetian blinds and some of Junior's laundring, to keep the nasty glare out. This will give you all a rough idea of what bothers me about windows.

Do you expect me to be consistent about this. In my own living room there is an unobstructed window 11 feet long by 6 feet high. But it looks onto a small but beautiful lake on which, in the winter, one can fish through the ice. I love ice fishing, when I am sitting in front of a birch log fire watching, through an 11 foot window, somebody else doing it.

I am now about to abandon this line of reasoning. It is true, but I am, and discourse briefly on my two favorite subjects, Architecture and Women.

Fellow architects, all our professional lives we have been taught that "Form follows function." All right, form follows function. But this means that we are trapped in a vicious circle. Form follows function, men follow women, and women follow diets, to improve their form.

We are right back where we started from.

It isn't a bad place to be.

Architects are very fortunate men. Aside from the fact that they seem to have an uncanny ability to get good-looking women to marry them, they have many other compensations in life, too few of which are of a financial nature.

Of course, they have hardships. People are always coming in and saying to them, "Now I know exactly how I want this; all I want you to do is to draw up some blueprints."

This phrase has always had a morbid fascination for me. "I want you to draw up some blueprints." Nights when I cannot sleep I lie there, picturing myself stationed before a large sheet of blue paper, chalk all over my vest as I draw on it.

Then too, architects worry a great deal, and hence are subject to ulcers. One of my favorite books is a volume titled "Nervous Stomach Diseases," by Dr. Joseph Montague. I do not have any nervous stomach diseases myself, as I have been on a diet so long the only stomach disease I have to watch out for is malnutrition.

Dr. Montague says, "You do not get ulcers from what you eat; you get ulcers from what's eating you." Dr. Quooney and I are of the opinion that the likelihood of an architect developing ulcers is in direct ratio to the number of draftsmen he employs. I have tentatively decided after observing hundreds of architects, from New York to Omaha and from Detroit to Phoenix, that the dividing line is 22 draftsmen. I am of the opinion that if you have 21 draftsmen or less, you are reasonably safe but as soon as you pass that point, the danger increases that some morning your breakfast will consist of a flowing bowl of bismuth.

I do not wish to take any chances myself, so I only have eight or nine people in my office. I noticed that in the census of offices that the A.I.A. recently took, the average office had 7.4 persons. Oddly enough, at the time this was exactly the number in our office, 7.4 persons. On receipt of a stamped addressed envelope, any of my associates would be glad to tell you who the 0.4 was.

Then too, an architect may have a certain amount of union trouble. In Grand Rapids the unions are so strong a man can't clean his pipe without a union card.

But an architect has compensations that other men do not have. There is an old saying in the newspaper business, "Today's masterpiece wraps tomorrow's fish."

Then again a fine night I would knock myself out composing eleven gravity-removing paragraphs for my column, and 24 hours after they're on the street, they might as well have been written with a blunt fork on a bowl of tapioca. Of course, sometimes one of them turns up in the Reader's Digest, credited to the Wall Street Journal. I do not know why this is.

But when an architect gets through with a production, it stays right there. This is not always an advantage of course. There is one street in Grand Rapids that I never used to drive on as it contained one of my earliest productions that seemed to have several right-angled corners in the bright light of posterity. Fortunately, they widened the street and I did it over. Now OTHER architects don't drive down that street.

And architects appreciate women. It just so happens that I am an authority on women. This just came about; I didn't take any courses in it. For many years, whenever my family sat down to a holiday dinner, the participants would consist of my wife, my two daughters, my sister, my sister-in-law, my wife's aunt, and me. It is probable that my vocal chords would have atrophied, except for the fact that my daughter, Mary, and my daughter-in-law, Barbara, are both kind-hearted girls. Every half hour or so one of them would say, "Everybody keep still and let Daddy say something," and I would say, "May I have some more coffee?"

And my daughter would say, "That enough; don't try paddling your part."

When I say that I am an authority on...
To Build Better Use
PETERSON ALUMINUM WINDOWS

8 BIG ADVANTAGES

1. ARCHITECTURAL APPEAL — wide sliding glass panels provide streamlined beauty giving new approach to building design.

2. CLEANLINESS — sliding sash removes into room for easy washing. Aluminum will not stain adjacent building surfaces.

3. SAFE — positive locking in closed and one, two and three inch open positions, ideal for first floor bedrooms.

4. STURDY — tubular construction gives extra strength and together with weatherstripping provides insulated draft free comfort.

5. ROLLS OPEN — effortless horizontal operation gliding on stainless steel rollers.

6. ADVANCED DESIGN — eliminates full sash balances, operating cranks and projecting hinges.

7. NO PAINTING EXPENSE — aluminum harmonizes with all building materials, never rusts or rots and cannot swell, warp or stick.

8. FURNISHED COMPLETE — designed to accommodate screens and double glazing panels (storm sash) as an integral part of the window, enhancing its streamlined beauty.

Write for free catalogue
Peterson Window Corporation
1357 E. 8 MILE ROAD, FERNDALE 20, MICH.
women. I do not mean that I had any authority OVER women. I merely meant that I have done a lot of research in this subject. Library research, you understand. I left the field work to others. I am of a shy and timid nature, and besides my brother-in-law is deputy superintendent of police in Grand Rapids.

There is one thing about women—Well, as a matter of fact, there is more than one thing about women. But one thing has struck me forcibly, over the past 50 years. Female relatives will come and inform me of some decision they have arrived at, and in about 99 cases out of 100, the decisions are absolutely correct. Then they will explain the train of thought that led them to this decision. Practically every phase of it is completely bogus. I have no trouble in demonstrating to them that what they took for a train of thought was merely a string of empties. And then they point out to me the obvious fact that they, proceeding gaily from error to error, arrive at the correct answer faster than I do when putting forth the full force of my mighty intellect.

After being out-thought and out-man-
covered by four successive generations of women—my mother, my wife, my daughters and now my 22-month old granddaughter, Lucy—I have come to believe that a wise architect will conclude that with women, as with politics, the old adage applies: 'If you can't lick 'em, join 'em.'

Alexander Pope said, "The proper study of mankind is man." That may be true for ordinary mankind, but for that better fraction of mankind who have the good fortune to be architects, the proper study of architects is architecture and women.

And not necessarily in that order.

"CHUCK" OPDYKE, a native of Lansing, was born Feb. 28, 1918. He took I.E.E. courses in architecture, and graduated from the Military Intelligence School of the Army. He was registered in Michigan in 1950, is now employed by the Warren S. Holmes Co., Architects. Member MSA, WM Chapter AIA (Chairman Public Relations Committee).

Pictured below is the Architects' Booth at the Lansing Home Show held the week of March 23-30. The space was donated to the Western Michigan Chapter and sponsored by the four firms listed.

This was a public relations activity initiated by Charles V. Opdyke, Chairman of the Chapter's Public Relations Committee, to stress the need for better relations between architects and other elements of the building industry.

Mr. Lee Taylor, Chairman of the Show's Booth Sales Committee, wrote Opdyke, "may I extend my personal congratulations and thanks for your efforts to bring architect and builder into closer harmony and understanding of mutual problems."

The background was donated by the Capitol City Wrecking Company, Lansing building supply dealers.

This is a step in the right direction and should lead to more and larger architect-sponsored public relations projects.
Maurice V. Rogers Company
GENERAL CONSTRUCTION
COMMERCIAL BUILDING
CUSTOM RESIDENTIAL

University 3-3171
15849 Wyoming Ave.
Detroit 21, Michigan

H. H. Dickinson Co.
* Complete
Builders' Supplies
* 
Office:
5785 Hamilton Avenue
Warehouse:
9940 Roselawn Avenue
Phone:
Webster 3-6263
Post Office Box:
218 Detroit 2, Michigan

Turner-Brooks, Inc.
Floor Covering and Acoustical Contractors
Townsend 8-2470
9910-30 Dexter Boulevard
Detroit 6, Mich.

Glanz & Killian Co.
Contractors
PLUMBING — HEATING — VENTILATING
Fire Protection Sprinkler Systems
1761 West Forest Avenue — Detroit 8 — Tel. 1-7820

Whitcomb-Bauer Flooring, Inc.
Hardwood Flooring (Hard Maple - Beech - Birch - Oak)
Mastic Set - Nailed - Complete Installations
Ironbound Continuous Strip Hard Maple - Edge Grain - Flat Grain
For 24 Years Specialists in Industrial and Fine Wood Floor Installations
Webster 3-4320
Office and Warehouse — 10301 Lyndon at Griggs
Detroit 21
WESTERN MICHIGAN CHAPTER’S GRAND HONOR AWARD

REPORT OF JURY

Residential—Award to Stapert Residence, Kalamazoo
Architect: Raymond M. Stapert, Kalamazoo

Good orientation and adaptation to site. Day use rooms facing view, back to street, but nevertheless inviting entrance side. Pleasing proportion of sleeping rooms. Well arranged closet areas. Good proportions of elements (except for monumental scale of chimney). Good Landscaping.

Commercial and Industrial—Award to Factory of Hekman Biscuit Co., Grand Rapids
Architect: Giffels and Vallet, Inc., L. Rossetti, Detroit

Simple direct plan based on flow of materials and operations. Employees' and visitors' approach and parking facilities well considered. Material and scale in good character. Excellent thought given to location and detail of sign. Clean and pleasing working space. Carefully designed office interiors.

Institutional—Grand Honor Award to Bryant Elementary School, Owosso, Michigan
Architect: Warren S. Holmes Co., Lansing


Commendation to Willow Street School, Lansing
Architects: Manson and Carver

An excellent solution of a prevalent difficult problem, involving a crowded site and multiplicity of activities in a small building. Good scale and aesthetic feeling, unpretentious, pleasing materials. Pleasant interiors, well studied in detail. Jury recommended submission of problem requirements and complete site information.

WARREN PLATNER,
JEAN HEBRARD,
JOHN N. RICHARDS

Pictured above is Malcolm M. Williams (left) partner in the firm of Warren S. Holmes Co., Lansing who is looking at his firm's presentation of the Bryant Elementary School, Owosso, Michigan which was judged as the Grand Honor Award at the March 25th meeting of the Western Michigan Chapter.

Standing besides Mr. Williams is John Richards, Regional Director, Great Lakes District of The American Institute of Architects, who is holding the ceramic trophy which is symbolic of aspiration and achievement and which he presented to Mr. Williams.

Judges for the award were Richards, Jean Hebrard of Paris, France, currently visiting this country, and Warren Platner.

The jury commented, that the outstanding features were the introduction of an intermediate foyer, breaking up an otherwise long corridor, good natural lighting, and isolation of community activities by use of folding partitions.
MEMBERS OF THE WESTERN MICHIGAN CHAPTER WHOSE WORK APPEARS IN THIS ISSUE


S C I E N C E  R O O M

H O M E  E C O N O M I C S  R O O M

S T R E E T  F R O N T

C O U R T  V I E W

B R Y A N T  E L E M E N T A R Y
O W O S S O ,  M I C H I G A N

W a r r e n  S .  H o l m e s  C o .  *  A r c h i t e c t s *
L a n s i n g ,  M i c h i g a n

B o a r d  o f  E d u c a t i o n  *  O w n e r *
L .  P .  C u s h m a
O w o s s o ,  M i c h i g a n
MULTI-PURPOSE ROOM

KINDERGARTEN COAT STORAGE

BASEMENT PLAN

PLOT PLAN

SCHOOL

Superintendent of Schools: Arthur Vollmer Construction Co. General Contractor:
Saginaw, Michigan
(a) Special Requirements and Conditions

The problem was to design a building to house the processing, storage, and mixing departments for a biscuit company. The building is designed for expansion westward. Rails bring in raw materials and trucks take away the finished product. A front office adjoins the plant. Flour storage space houses 40 carloads or 3,200,000 pounds in a room with controlled temperature and humidity so the company can age its own flour. There are storage tanks for syrups, molasses, vegetable oils and shortenings. Tanks hold up to 12,000 gallons. The plant is air conditioned. A complete machine shop for repairing and building new machinery is a special feature of the plant. Completely automatic equipment and glazed tile walls throughout insure perfect cleanliness.

(b) Technical Data

Foundation: Reinforced concrete, spread footings.
Structural Frame: Structural Steel.
Roof Deck: Steel
Insul.: Fiberglas.
Roofing: 20-year tar and gravel.
Exterior Walls: Iron spot face brick, sand, lime backup—Sash: Steel, commercial projecting.
Doors: Wood, kalamein, overhead.
Interior Partitions: Wood and glass.
Interior Finish: Painted masonry, unglazed facing tile, glazed tile.
Ceilings: Open.
GRAND RAPIDS, MICHIGAN

Floors: Iron bound maple, flat grain.
Heating: Steam unit heaters.
Vent, or Air-Cond.: Offices completely air-conditioned, plant ventilated by sash and ventilators.
Plumbing: Complete sanitary and storm systems.
Process Piping: Liq. Sugar sys. molasses, etc.
Fire Protection: Sprinkler system.
Water tower: None.
Lighting: Principally cold cathode fluorescent with some mazda.
Power: Primary—7200 V., 3 phase, 60 cycle.
Power—480 V., 3 phase, 60 cycle.
Remarks: Lights—120/208 V., 3 phase, 60 cycle, grounded neutral.
(c) Cost: $2,418,000.
Gross Cubage: 3,650,000 cu. ft.
HEATING
REFRIGERATION
AIR CONDITIONING

Mechanical Heat & Cold Inc.
12320 HAMILTON AVE., DETROIT 3
PHONE TO. 8-9600

MICHIGAN SOCIETY OF ARCHITECTS
May, 1952, Monthly Bulletin

HEATING
REFRIGERATION
AIR CONDITIONING

Mechanical Heat & Cold Inc.
12320 HAMILTON AVE., DETROIT 3
PHONE TO. 8-9600

M. H. WILKINS CO.
Structural Steel and Steel Joist
Fabricated and Erected
20501 HOOVER — DETROIT 5
LAKEVIEW 6-1000

ATLANTIC METAL PRODUCTS, INC.
- Hollow Metal Doors & Frames
- Kalamein & Tinted Doors
KANE MFG. CO.
- Light Proof Shades
VENTILOUVRE CO.
- Louvres

ENGINEERING • MATERIAL • INSTALLATION

N. W. Hamill Co.

ENGINEERING • MATERIAL • INSTALLATION

GYPSUM ROOF DECKS
Fireproof Light Weight Insulating
FURNISHED AND INSTALLED BY

HOGE-WARREN-ZIMMERMANN CO.
E. C. HOGE - J. H. HOGE
1426 Clay Street, Cincinnati, Ohio
A. W. WARREN
111 West Washington, Chicago, Illinois
JOHN S. M. ZIMMERMANN
Room 604-A, 13700 Woodward Ave.
Highland Park 3, Mich.

MIDWEST MAINTENANCE
& WATERPROOFING, INC.

Complete Waterproofing and Dampproofing Service

- BENTONITE
- METALLIC IRON
- MEMBRANE
- ASPHALTIC
- PUMICE INSULATING CONCRETE

11710 Cloverdale, Detroit 4, Michigan WE. 3-8401

MICHIGAN DRILLING COMPANY
13911 PRAIRIE AVENUE, DETROIT 4, MICH.

CONCRETE AND ROCK CORE DRILLING
SOIL BORINGS
SOIL TESTING
ANALYSIS OF FOUNDATIONS

WEBSTER 3-8717

SOIL TEST BORINGS FOR HEKMAN BISCUIT COMPANY, GRAND RAPIDS, MICHIGAN
The residence is located on a parcel of land approximately 2½ acres in size. Frontage along Campbell Avenue and Pinehurst Blvd. is 406 feet. The depth varies between 275 and 330 feet. The land slopes to the north to deep wooded ravine.

The house is oriented in such a way that all the day-use areas which include living room, porch, kitchen and dining area face toward the wooded slope. The living room has a window-wall towards the ravine but also a generous window area on the south to let in the winter sun. An interior and exterior planting area provides for year-around flowers.

Sleeping rooms are separated from the living areas to insure quietness and privacy. These rooms have east, south and west exposures.

The home is designed for a family of five, which includes one girl and two boys. Facilities for storage of clothing consists of wardrobes and built-in dressers. Children's rooms also have a built-in desk.

The house has a full basement partially due to making use of the difference in grades. Under the living room this provides a well lighted north room which can be used as a studio. The basement has a large recreation room and ample workshop and storage facilities.

RAYMOND M. STAPERT, A.I.A., ARCH.
KALAMAZOO, MICHIGAN
NOW AVAILABLE

STRAN STEEL
NAILABLE JOISTS AND LIGHT BEAMS
Lighter in weight than hot-rolled beams of equal depth • Nailable for simple assembly

SUGGESTED USES—Light trusses for pitched roofs or flat roofs ... purlins ... girts ... interior partition studs ...
tool crib framing ... shelving supports ... loading platforms ... suspended ceiling framing ... miscellaneous sheds ... mezzanine floors ... interior structures within industrial buildings ... drying kilns ... ventilating system ... framing ... duct work framing and supports.

LA SALLE SUPPLY CORPORATION
STEEL FABRICATING DIVISION
6370 E. Davison, Detroit 12
Stran-Steel framing is a building product of Great Lakes Steel Corporation

WHY YOU SHOULD SPECIFY
DIEBOLD VAULT DOORS

1. FOR YOU—Diebold maintains a vault door specialist in Detroit whose entire time is at your call and disposal.
2. FOR YOUR CLIENT—A direct factory branch and warehouse in Detroit with factory trained experts who can be reached any hour of the day or night means fast, personalized service when fire or burglars strike.
3. FOR THE CONTRACTOR who puts into brick and stone the building you have created—Our new non-grout doors have greater tolerances than any doors on the market, simplifying and speeding installation and really biting into the rising building costs.

Built to S.M.N.A. Specifications
Underwriters Laboratories Inspected

Diebold
INCORPORATED
4105 CASS AVE., DETROIT 1
TEmple 3-4477

AN ELEMENTARY SCHOOL BUILDING FOR THE WILLOW STREET SITE
For the Board of Education of the City of Lansing, Michigan

This school was one of three elementary schools, all similar in size and requirements, that were bid together and constructed by one general contractor, but designed by three separate architectural firms. By means of considerable collaboration between the three architects during the preliminary planning and in the working drawing and specification stage, a substantial savings to the owner was achieved. In general the same construction methods and materials were used in all three buildings, although the different site conditions caused considerable differences in the plan arrangements and exterior appearance.

The building has a double-loaded corridor with bilateral lighting and contains four 28'x28' Classrooms each with:
Boys Toilet
Girls Toilet
Wardrobe [opening off Corridor]
Teachers Closet and Storage Cabinet with 3 file drawers.
Work Counter recess with sink and drinking bubbler.

Two 28'x36' Kindergartens, separated by an accordion partition, each with:
Toilet
Cloak Room
Teachers Closet
Storage Closet
Kitchen
General Storage Room
Book Storage Room
Waiting Room
Principal's Office
Clinic and Toilet
Teacher's Lounge and Toilet
Boiler Room

GENERAL CONSTRUCTION
Concrete footings
Concrete block foundations
Concrete slab and sand fill
Light steel frame
Metal roof deck — Fenestra "AD" acoustic panels
1/2" rigid insulation and built-up tar and gravel roof.
Brick exterior walls with cinder block backup.
Steel windows—projecting and fixed.
Limestone window sills and exterior trim.
Interior partitions—wood stud, plastered.
Glass block in clerestories.
Asphalt tile floors and rubber base.
Ceramic tile floors and walls in toilets.
Linoleum wainscot in Corridor.
Asbestos Chalkboards, cork tack boards.
Oak trim, casework, plywood paneling in Classrooms and Kindergarten.

HEATING
Oil-fired steam boiler
Unit ventilators in Classrooms and Kindergartens
Connectors
Pneumatic controls
Incinerator

VENTILATING
Power ventilator for exhaust from Toilets.
Gravity ventilator with motorized damper for exhaust from Classrooms through Wardrobes. Kitchen exhaust fan.

ELECTRICAL
Fluorescent lighting with louvers.
Master Time and Program Bell System.
Fire Alarm System.

COSTS
General .................................................. $109,500
Plumbing .................................................. 16,000
Heating .................................................... 18,000
Ventilating ............................................... 2,000
Electrical .................................................. 9,500

105,000 cubic feet @ $1.48 = $155,000
9,000 square feet @ $17.22
MASON & CARVER, ARCHITECTS, LANSING, MICHIGAN
GRANGER BROS., GEN. CONT., LANSING, MICHIGAN
Photos by Dale K. Bullock

KINDERGARTEN ENTRANCE

KINDERGARTEN WORK COUNTER

CORRIDOR WARDROBES

TYPICAL CLASSROOM

TYPICAL CLASSROOM

KINDERGARTEN

EXTERIOR

ENTRANCE DETAIL

PRINCIPAL'S OFFICE

WILLLOW STREET SCHOOL
LANSING MICHIGAN

FLOOR PLAN

CLASSROOM CLASSROOM CLASSROOM CLASSROOM

CLASSROOM

CORRIDOR

KINDERGARTEN KINDERGARTEN

WILLLOW STREET SCHOOL
LANSING MICHIGAN

FLOOR PLAN

CLASSROOM CLASSROOM CLASSROOM CLASSROOM

CLASSROOM

CORRIDOR

KINDERGARTEN KINDERGARTEN
To blend wood and stone and steel into a religious entity of form and purpose is the function of the understanding architect. This church consistory sought contemporary design yet one in harmony with indoctrinated characteristics that have symbolized churches throughout the years. The basic architectural requirement, therefore, for this edifice was to combine the warmth and understanding of ageless religion with the virility and vitality of our own intrepid era.

Contrasting shades of grayface brick with limestone and granite trim in moderation on the exterior render a sense of solidity and timelessness. The framework is of steel with laminated wood beams and purlins in the nave. The roof deck over the church proper is of wood with some use of poured gypsum and poured concrete decks over certain wing areas. Floor finish is primarily asphalt tile and quarry tile in entrances and lobbies.

The imposing front entrance is a huge rectangle rising above the rest of the building and framed with cut stone panels surrounding vertical strips of specially colored glass.

The interior provides a unique innovation in placing the narthex directly in the center, thus dividing the building into two definite units yet remaining an integral whole. One unit contains the nave, balcony (above which is a recreation room) chancel, organ chamber, and choir loft. Seating capacity is approximately 700. The principal worship services are held in this section.

The opposite section, two stories high, contains an auditorium and stage, an adjacent fully equipped kitchen, study, consistory room, lounge, and clerk’s room, all on the first floor. The second floor consists of Sunday school rooms. This area is equipped with six large fabric covered folding doors which, in effect, serve as walls during Sunday school classes or may be opened for large group gatherings when required. This entire unit is admirably flexible in purpose—capable of being used for church sponsored religious, educational and social functions as well as all necessary administrative work.

Interior woodwork of the church (including pews), chancel and narthex is in the rich soft tone of rift sawn clear white oak. Miscellaneous trim and woodwork in the balance of the structure in unselected red birch.

Acoustics in the church and narthex are adequately controlled by the use of acoustical tile ceilings in both areas, and exposed pumice block in the walls of the nave.

Stained glass, so much a part of all church history, is used in the finest tradition with seven tall windows depicting the seven churches of the Apocalypse in one side wall of the church, the opposite wall with seven windows and the story of the days of creation, while the rear of the chancel carries twelve windows in rich, abstract patterns.

A large illuminated copper cross attached by brackets to the exterior wall of the tower lends a sincere touch of religious form to the simplicity of design. Both structurally and architecturally, the symbolic figures of the Bible—3, 7 and 12—are frequently used in the number of bays, windows, ceiling panels, and lighting fixtures.

The structure is heated, in general, by radiant heat floor panels, thereby eliminating convectors, fans and ducts. Some areas, however, are heated by direct radiation.
FIRST REFORMED CHURCH
MUSKEGON, MICHIGAN

LOUIS C. KINGSCOTT & ASSOCIATES, ARCH. & ENG.
KALAMAZOO, MICHIGAN

BERNARD J. DE VRIES, A.I.A. ARCHITECT
MUSKEGON, MICHIGAN

STROM AND STROM, INC. GENERAL CONTRACTORS
MUSKEGON, MICHIGAN
The site of this structure was chosen on the basis of three considerations, namely: (1) close proximity to the downtown business area of Grand Rapids; (2) relationship of site to rail transportation; (3) accessibility by motor truck transportation.

This piece of property had never had anything previously constructed upon it except an oil and gasoline service station located at the southwest corner. The entire river bank area was "made land", having been gradually built up with miscellaneous waste and fill materials over a long period. Test borings revealed the nature of the fill and its unsuitability as foundation material. This information, plus the fact that even normal foundations would be subject to possible undermining by water when the river was in flood stage led to the selection of the pile and grade beam type of foundation for the building structure itself. In order to reduce the expense and complexity of the foundation work it was decided to rest the first floor slab on compacted sand fill since the loads were not excessive in the office building portion and such minor settlement as might occur in the warehouse area would not adversely affect the building's usefulness.

The existing main track of the Michigan Central Railroad had to be relocated several feet to the west in order to gain sufficient area for the new structure and its spur siding. The eastern limit was governed not only by natural conditions but the formally established, though unused to date, City Dock Line. Consideration had to be given to what effect any future flood wall construction alone this line might have on the proposed building.

The building structure rests on 91 Raymond Concrete piles. The warehouse has 12" block walls, steel columns, girders and bar joists with a poured gypsum deck and tar and gravel roof. The office building is of the same general construction except for brick facing and block backup with a second floor concrete slab on corrugated steel on bar joists.

The General Purpose room on the second floor is designed for display purposes, sales meetings, and the introduction of new items. The rear wall of the stage has a complete operating electric kitchen set up, featuring the latest appliances from which buffet style lunches are served at the various meetings. The kitchen wall can be closed off by drawn curtains to leave the front portion of the stage for use as a speaker's platform. Likewise both side wall areas can be closed off by curtains to conceal new displays until the psychological time for their unveilings. Not shown on the plan herewith but visible in one of the photographs is a penthouse for a chain hoist which brings appliances from the warehouse floor to the General Purpose Room through a double door opening (like wise not indicated on Plan).

The remainder of the building is laid out for the normal functions of the Corporation's operations. The sales area ceiling is studded with lighting fixtures which are operated as single or multiple units by an installation of the General Electric Remote Control wiring system.

Heat comes through a double door opening like wise not indicated on Plan. Heating is by convectors in the office areas and by unit heaters in the warehouse area. The parts and the two boilers are General Electric steel boilers, being quite compact and giving the physical appearance of being too small for the job.
HEALTH AND PHYSICAL EDUCATION BUILDING

BASEMENT — Boxing and Wrestling room; Hand Ball courts; Storage room; Machine room; Lower Part of Pool; and Pool view space.

FIRST FLOOR — Fieldhouse; Portable basketball court; Equipment storage room; Two storage rooms; Adapted sports gymnasium; Classrooms; Offices; Lobbies; Natatorium; Squad room; Men's locker room; Shower rooms; Training room; Rest rooms; Showers.

SECOND FLOOR — Girls' locker room; Drying room; Showers; Press box; Two Fan rooms; Storage room; Showers.

SPECIAL FEATURES

1. Number of lockers—2100.
2. Visiting team room to be used by the faculty during the week.
3. Portable basketball floor in the Fieldhouse.
4. Seating capacity of 4000, which can be enlarged if needed.
5. Glass backboards.
6. Training room completely equipped with rubber tables, tub and whirlpool baths, diathermy and infra-red lamps.
7. Adapted Sports gymnasium.
8. Ten lap clay track in the Fieldhouse with a 65 yard straightway.
9. Swimming pool 30' x 75'.
10. Filtration and circulation system pool.
11. Two underwater observation windows.
12. Two Olympic diving boards with adjustable falcrums.
13. Seating capacity at one side of the pool for 350 persons.
15. Handball courts.
16. Rooms for boxing and wrestling.
17. Classrooms and conference rooms.
18. Indoor baseball and tennis facilities.
Central Michigan College's new Health and Physical Education Building and Fieldhouse is one of the finest and most modern in the nation. Actual cost of the building is over a million dollars.

The dimensions of the new building are 340 ft. x 288 ft. making it one of the largest on the campus. The south wing of the building contains a fieldhouse 263 ft. x 138 ft. The north wing contains two gymnasiums 59 ft. x 92 ft., separated by an automatic folding partition. The swimming pool is in the front center section. Locker room facilities and adapted sports are in the rear center section. Offices, class and conference rooms are housed across the front of the building. Handball courts and rooms for boxing and wrestling are in the basement.

The building is furnished with new equipment and instructional apparatus. The building meets the needs of Central's rapidly growing Health and Physical Education department. It also serves as a center for many of Central Michigan's activities.

The new building serves the Central Michigan area and the State of Michigan by providing a focal point for many activities. Annually many organizations hold meetings and conferences on the Central Michigan College campus. Participants in State High School district and regional basketball tournaments will have more convenient and modern facilities. Many other High School athletic events such as the annual Central Michigan College Relays, one of the largest of its kind in the nation, will have an opportunity to use the new facilities.
The "Five Star Home" designed for Better Homes & Gardens Magazine was planned for a family of four—father, mother, and two children, probably a boy and a girl of pre-school age.

The plan is of the open type with the living and formal dining area to the garden side or rear of the house, away from the street noises and the prying eyes of the passerby. To achieve indoor-outdoor living, the entire rear wall is glass with a door leading to the terrace which extends the full width of these rooms. The fireplace wall is brick, with the wall extending through to the terrace into which is built a barbecue pit for outdoor snacks or picnics. The terrace is paved with flagstone which also extends into the living room for the fireplace hearth.

The fireplace wall extending into the terrace also serves as a sound baffle to the master bedroom on the rear or garden side of the house.

The children's rooms were placed on the front or street side, window sills placed just high enough to give privacy. The two rooms are divided with a folding partition for flexible use of the area, when closed, two completely private rooms—when open a large play area. Also, later on when the children are grown, the area may be divided as a den and guest room, or one large room.

The kitchen is placed with an end exposure into the service area, off which is an informal dining or breakfast room exposed to the front or street side.

The garage is placed to the front, attached at the kitchen or service end of the house. The stairway to the basement is also placed in this area for easy access to the exterior service area.

The house is planned around a "soft" area—living dining room, master bedroom; and a "hard" area—kitchen, entry, hall, and children's rooms. The floor of the "hard" area is cork; the "soft" area is carpeting.

The bath is placed between the children's rooms and the master bedroom with an end exposure. The lavatory is placed in a counter; the water closet and tub in separate areas for dual use of this room.

Materials were chosen for their durability and easy upkeep, on the exterior wood shingles, redwood boards and brick, on the interior walls double layer plaster-board in a dry-wall sandwich construction, floors of cork, oak flooring and slate.

The ceiling of the living-dining room and master bedroom follow the roof construction to a height of 10'-8" to give an air of spaciousness and to achieve economy.

Kitchen cupboards are of wood construction with a stained finish, as are the flush wood doors.

The windows are of special design, fixed double-glazed with ventilation through screened louveres at the bottom of each one. There are no storm sash or screens to take down or put up.

The architect tried to design this house as a functional living space, with easy access to any room of the house without passing through other rooms, lots of storage and closet space, intelligent use of material for easy upkeep, and the ability to "take it," orientation on the lot for privacy. The plan and exterior design is contemporary in character, a home for living today and tomorrow.

The house was built by the Nichols & Cox Lumber Co., and the Wurzburg Store of Grand Rapids was the interior decorator.
THE ARCHITECTS RESPONSIBILITY

By Charles V. Opdyke, Chairman, Public Relations Committee, Western Michigan Chapter, A.I.A.

In the beginning God created heaven and earth, and the earth was without form, and void; and darkness was upon the face of the deep. And the Spirit of God moved upon the face of the waters. And God said, Let there be light: and there was light. Gen. 1:1-3.

So it is in the first chapter and so it is today. To be seen you have to produce light, to be heard you have to produce sound and to be known you have to produce results. The act of producing these effects is Public Relations. Public Relations in the profession ARE THE ARCHITECTS RESPONSIBILITY.

Before jumping headlong into a public relations program, be your office large or small, one must analyze his needs and determine what he wants this program to do for him as well as the profession at large. A goal must be clearly defined as to what end results are desired. Cost of such a program must be considered, paralleling advertising in other businesses, and the results of your expenditures must realize your objectives in order to be effective.

The very core of public relations is centered in your own office. Where is the quality of your work? Is it a contribution to the public? will each of your buildings be a salesman who introduces your next client? What are your services? How are your projects on which architects are engaged the most eloquent illustrations of the nature, extent and value of architectural services. Each project is evidence of the faith of a client who has engaged an architect. Each project constructed illustrates the technical competence of the architect. If these are true let the public know this. Thus; if you are a practicing architect, if you have clients, and if you have projects, completed and under construction, then you have a foundation and the key to public relations.

Make sure that your contribution to architecture is appropriately recognized and your office is the first step, it will indicate that you are an architect, but it should also identify you with The American Institute of Architects. Your plans and specifications, clearly bear your name and address, a sign large enough to read from a distance should be on each construction project. Planning rooms of such agencies as the Planning and Zoning Commission, the Urban Renewal Agency, the Housing Authority, and the City Police department may result in your being approached with inquiries as to the services a building may have. Be ready to answer them with facts and figures of your services, your capabilities, and your technical skill. You must make the public conscious, he must make the light, for this is THE ARCHITECTS RESPONSIBILITY.

GEORGE W. SPRAU, JR., has been named a director of the architectural firm of Louis C. Kingscott and Associates, of Kalamazoo, Mich.

Sprau, who is a registered architect, has been associated with the design department of the firm since 1946. He was graduated from the College of Architecture and Design of the University of Michigan in 1939.

In addition to Sprau, the other members of the firm's board of directors are Raymond Stapert, president; Herman J. Pratt and James Albert, both vice-presidents; Louis C. Kingscott, secretary and treasurer; Peter VanderLaan, P. R. Kingscott, and A. K. Bultsuiu.

Roof Drainage Problem?

No. 1148 ALL PURPOSE DRAIN

Here's an amazing roof drain with interchangeable features - dome type strainer provides greater inlet area — horseshoe head bracket bolt flange to roof without piercing flashing material — gravel stop clinching flange available. Get the complete details on this and other Boosey products. Write today.

Send for complete Boosey Catalog.

NORMAN BOOSEY MFG. CO.

5281 AVERY AVE. • DETROIT 8, MICH.

Phone Tyser 7-4117  Corner Kirby Ave.
DIRECTORY OF ADVERTISERS

Armstrong Co., The 10
Back, Wm. F. Lumber Co. 16
Bessye, Norman Mfg. Co. 35
Bertolotti, William & Sons 9
Burke, O. W. Co. 12
Canfield Glass Co. 8
Candler, J. D., Flooring Co., Inc. 8
Century Brick Co. 20
Cinder Block, Inc. 3rd Cover
Cousin, Walter L. & Co. 12
Darin & Armstrong, Inc. 8
Davis Bros. Inc. 4
Den Braven, M. Co. 8
Deppman, R. L. Co. 7
Detroit Brick & Block Co. 28
Detroit Edison Co. 2nd Cover
Dickinson, H. H. Co. 14
Diebold, Inc. 24
Dunn Blue Print Co. 28
Dunn-Raynor Co. 4
Duroko Paint & Color Corp. 26
Gibraltar Floors, Inc. 14
Glass Kiln Co. 14
Grace Harbor Lumber Co. 16
Grand Rapids Sash & Door Co. 5
Grand Rapids Tile & Mosaic Co. 10
Granger Brothers, Builders 5
Grumman Construction, Inc. 16
Hamill Electric Co. 22
Hamill, H. W. Co. 22
Henley Co. 12
Haven-Busch Co. 35
Heinemann 16
Horn Fuel & Supply Co. 3rd Cover
Hove-Warren Lumber Co. 22
Huron Portland Cement Co. 10
Koolman Corporation 28
LaSalle Supply Corp. 24
Long Sign Co. 28
Machen, The R. C. Co. 4th Cover
Martin, F. H. Construction Co. 15
McDunaway Lumber Co. 10
McDonnell Brothers, Inc. 30
McFadden Corp. 7
Mechanical Heat & Cold, Inc. 22
Meier Gut Stone Co. 30
Merrier, John A. Brick Co. 16
Michigan Consolidated Gas Co. 3rd Cover
Michigan Drilling Co. 22
Midwest Maintenance & Water proofing, Inc. 22
Nelson Co. 28
Odien, G. A. Equipment Co. 26
Owen-Ames-Kimball Co. 1
Petersen Window Corp. 12
Phoenix Sprinkler & Heating Co. 36
Pipe & Raap 36
Pipe & Raap 36
Plastic Products Co. 36
Plastic Products Co. 36
Rogers, Maurice V. Co. 14
Rosecrick Lumber Co. 16
Sibley, F. M. Lumber Co. 16
Standard Building Products Co. 30
Sterling Structural Steel Co. 56
Stevens, Fredric B., Inc. 10
Stron-Steel 24
Stron Construction Co. 4
Thomas Brick & Tile Co. 16
Timber Structures, Inc. 7
Turner-Boone, Inc. 14
Valentine Stone & Marble Co. 12
Viking Sprinkler Co. 12
Warren Fibre Products Co. 36
Whitecomb-Rauer Flooring, Inc. 41
Wieenga Brothers 6
Wilkins, L. H. Co. 22

TO BUILD A BETTER HOME

Use "STANDARD" COTTON INSULATION
RESISTS HEAT,
COLD AND FIRE

Sold by Leading
Building Material Suppliers

WARREN FIBRE PRODUCTS CO.

PIPE & RAAP
ESTABLISHED 1920
HEATING, PLUMBING & VENTILATING CONTRACTORS ON GENERAL ELECTRIC SUPPLY CORP. BLDG., GRAND RAPIDS
GRAND RAPIDS 3-8946
736 SOUTH DIVISION AVENUE, GRAND RAPIDS 3, MICHIGAN

HAVEN-BUSCH CO.
501 FRONT AVE., NW
GRAND RAPIDS 4, MICH.
Our Engineering Dept. Is At Your Disposal

Fabricators of T-CHORD LONG SPAN JOISTS
STRUCTURAL STEEL
MISC. & ORNA. IRON WORK
SALES & SERVICE FIRE DOORS—ALL TYPES
WROUGHT IRON & CHAIN LINK FENCE

PHOENIX SPRINKLER & HEATING CO.
INSTALLED
AIR CONDITIONING PLUMBING AND HEATING
AUTOMATIC SPRINKLERS
IN THE
NEW HEKMAN BISCUIT COMPANY PLANT
115 Campau Ave., N.W.
Grand Rapids 9-3339
Established 1903
460 Book Building
Detroit — Woodward 1-5357
Dining rooms of the fine new building on the Detroit waterfront are busy catering to banquets, dinners, and meetings. The excellent food served here is prepared on gas equipment.

Shown in the picture herewith is the main kitchen in the basement of the building, equipped with two gas broilers and five gas ranges. The service kitchen on the main floor has three gas ranges, while the kitchen serving the 8th floor cafe has two gas ranges and two gas broilers. All 14 pieces of gas equipment are heavy-duty.
Rolling Steel
DOORS
Manually, Mechanically, or Power Operated

In warehouses and other buildings with high ceiling clearance where maximum usable floor area is the prime consideration, Rolling Steel Doors occupy a minimum of space... their vertical roll-up action occupies no usable space inside or outside the opening, or above the lintel level. No other type of door offers such space economy. In the particular installation below, Mahon Underwriters' Labeled, Automatic Closing Rolling Steel Doors were employed in openings in a dividing wall between an enclosed loading dock and the warehouse proper. In case of fire, any doors in the open position will close automatically. Rolling Steel Doors are permanent—their all-metal construction assures you maximum protection and a lifetime of trouble-free service.

Whether you buy standard doors or Underwriters' Labeled type for fire protection, you will find that you get a greater dollar value in Mahon Rolling Steel Doors... a study of Mahon Specifications covering materials, application of protective coating, operating mechanisms, and other extra-value items, will convince you. See Sweet's Files for complete information—including Specifications, or write for Catalog No. G-52.

The R.C. Mahon Company
Detroit 34, Michigan • Chicago 4, Illinois • Representatives in all Principal Cities
Manufacturers of Rolling Steel Doors, Grilles, and Automatic Closing Underwriters' Labeled Rolling Steel Doors and Fire Shutters; Insulated Metal Walls and Wall Panels; Steel Deck for Roofs, Partitions, and Permanent Concrete Floor Forms.