ROBERTSON Q-FLOOR, the modern steel sub-floor, was chosen for the office portion of the gigantic Caterpillar Tractor Co. plant at Peoria, Ill., because it has definite structural and electrical advantages. It goes in fast... provides a platform for all trades to work on and simplifies overall construction. It automatically provides a super-efficient system of underfloor raceways to take care of the future's electrical requirements.

ROBERTSON Q-PANELS were specified for certain wall areas. These steel and insulation sandwich wall units are only 3" thick yet provide insulation better than a 12" masonry wall. They provide clean, dry, quick, handsome construction.

ROBERTSON GALBESTOS, the protected metal that is tested and classified by Underwriters' Laboratories and Factory Mutuals Laboratories, is present in large quantities on this plant. Galbestos will assure a long, maintenance-free service life in the face of severest weather and corrosive conditions.
MSA To Have Key Exhibit at '52 State Fair

An outstanding architectural exhibition will occupy a key position at the 1952 Michigan State Fair in Detroit August 29 through September 7, it is announced, following a meeting in Marshall, Mich. June 11, of the board of directors of the Michigan Society of Architects, sponsoring organization.

The exhibition, to consist of photographs, drawings and models, will occupy the first floor of the Club building at the Detroit Fair Grounds, Woodward and State Fair avenues. The building is completely redecorated for the exhibition.

At the board meeting, Harry Wright, president of the Fair, outlined plans for the event, stating that this year emphasis will be placed on agriculture. The architectural exhibit will consist of designs from architects' offices throughout the State, with special attention given to structures that fit into community life, such as churches, schools, industrial and commercial buildings. The fair is expected to draw about three quarters of a million people, Wright said.

Bauer announced the appointment of a special exhibit committee, consisting of Architects Sol King, chairman; Linn C. Smith, Ralph W. Hammett, John O. Blair, and Earl G. Meyer. The committee will be assisted by Neil C. Bertram, the Society's special representative.

HAMMETT COMPETITION ADVISOR

Professor Ralph W. Hammett, A.I.A., of Ann Arbor, vice-president of the Michigan Society of Architects, was named professional advisor for the Kirlin lighting competition, sponsored by the Society.

The competition, offering first prize of $1000, second prize of $750 and third prize of $500, from funds made available by the Kirlin Company of Detroit, will be for a lighting scheme in the new convention hall being planned for Detroit's civic center. Plans prepared by Giffels & Wallet, Inc., Rossetti Associated Engineers and Architects.

It is expected that the G & V plans will be available in early fall and that designs will be exhibited at the Society's annual convention in Detroit next March.

The competition will be open to all architects of Michigan.

SMITH ON 1952 CONVENTION

Linn C. Smith, A.I.A., chairman of the Michigan Society of Architects' 38th annual convention held in Detroit last March, issued a final report of his committee, and recommendations to his successor, James B. Morison, A.I.A., who will head the 1953 convention committee.

In designating the last convention as one of the Society's most successful, Smith recommended continuing the building material displays and architectural exhibits as the "backbone of the convention."

The Society has scheduled its conventions at Hotel Statler in Detroit for the second week in March for five years in advance.

CONCRETE HOUSE COMPETITION

C. A. Sirrine, A.I.A., professional advisor for the small house competition sponsored by the Michigan Society of Architects, with prizes provided by the Concrete Products Association of Detroit, sent a report that 150 requests for programs have been received.

The contest, open to architects, draftsmen and students of Michigan, will close on July 15. Designs will be exhibited at the Society's midsummer conference at the Grand Hotel on Mackinac Island July 31-August 1 and 2.

Principal speaker, Knuth said, will be Fred G. Lopez, senior architectural editor of the Architectural Record, and his subject will be "The Layman's Reaction to the Architect."

MONTHLY BULLETIN CONTRACT

The Michigan Society of Architects renewed its contract with publisher Talmage C. Hughes for a period of ten years.

In accordance with a mandate stated in by-laws, members throughout the State will receive the publication, the contract states that the name "Monthly Bulletin, Michigan Society of Architects" is owned by Monthly Bulletin, Inc., a subsidiary of the Michigan Society of Architects, and that ownership of the publication is owned by Talmage C. Hughes. For its support and the use of the name, the Society receives ten percent of the net profits.

The Bulletin, founded by Hughes in 1929, has been edited and published by him since its beginning.

Monthly Bulletin is the official publication of all architectural organizations in the State, including the Society and A.I.A. chapters—Western Michigan, Saginaw Valley and Detroit.

BERTRAM MSA REPRESENTATIVE

Neil C. Bertram, special representative of the Michigan Society of Architects, reports that a survey of Society members throughout the State shows, in general, the volume of work in small- and medium-size offices is slightly below that of a year ago. Most commonly contributing cause: the high cost of material and labor, restrictions on financial loans, and the change-over to defense work.
Lake Macatawa, near Holland, Michigan, was the scene of a joint summer outing of the Western Michigan Chapter, A.I.A., and the Producers' Council of Michigan. Most of the events of the meeting, Saturday, June 7, were held at the Hotel Macataw which is situated between Lake Michigan and Lake Macatawa. The weather cooperated with the program, so that the men and women who had ordered it special.

Registration for the affair began Saturday morning and lasted until noon when a luncheon was held in the hotel dining room. During the morning and afternoon many of the architects and producers made use of Macatawa's recreational facilities. Although many of the children were splashing into Lake Michigan, not too many of the adults were tempted to brave the icy waters. They were content to roam around the beach soaking up sunshine or to sit in the shade of the hotel's rambling two hungry for fish and chips. A few men shot 18 holes of golf and acquired a tan (or burn) at the same time, while a few families went for boat rides around the lake.

Most of the producers arrived on Friday night in order to set up their table-top exhibits which were displayed on Saturday afternoon. The Producers' Council is an organization of building material manufacturers whose aim is to achieve improved service to consumers through the architects and engineers. It was founded at the request of the A.I.A., with which it is officially affiliated, as the architects desired a reliable source of information on building products. The Council's 30 chapters throughout the country provide this media.

The companies which had table-top displays at the meeting were: Aluminum Company of America, American Radiator & Standard Sanitary Corp., The Armstrong Cork Co., Fiat Metal Mfg. Co., Hunter Douglas Corporation, Marsh Wall Products, Inc., National Fireproofing Corp., Owens-Corning Fiberglas Corp., Pittsburgh Plate Glass Co., Ramset Fasteners, Inc., The Spencer Turbine Co., Structural Clay Products Institute, and the University of Michigan. Many of the architects present were the panels showing the effects of relation to his use of different materials. Other units of the student exhibit which attracted considerable attention were the panels showing the effects of color in regard to interior perspectives and the panels illustrating the work in the field of city planning.

Dean Bennett emphasized the fact that the courses in the College of Architecture and Design are kept flexible and that experiments with new courses are constantly being conducted in order to develop the fullest potentialities of modern architecture.

President Manson and the Western Michigan Chapter are to be complimented for bringing such an educational and stimulating exhibit to the meeting.

After an afternoon of hot sun, exercise, and exhibits, all were in the right mood for the cocktail party given by the Producers' Council at 6 P.M.

After dinner President Manson called the meeting to order, saying that he had been re-elected on the promise that he would refrain from telling any jokes, so he merely introduced the guests at the speaker's table with a little satire added. Bill Porter, retiring president of the Producers' Council then introduced A. Naughton Lane, national president of the Producers' Council. Mr. Lane, who is serving his second term in that capacity, is a member of the N.P.A. Construction Industry Advisory Committee, and Construction and Civic Development Dept. Committee of the U. S. Chamber of Commerce. He is also a member of the Construction Mobilization Committee of the Chamber of Commerce.

The theme of Mr. Lane's talk was that the construction industry is badly in need of unification and that the logical people to bring about this need are the architects. 'As things stand now, the architects, builders, contractors, and realtors are disinherited at the expense of the owner. The government does not listen to the construction industry because it has no unity of action," he said.

He added that the nation's 19,000 architects can also do much to keep the construction industry going after this present high-production era is over. "They must sell the people the idea that it is possible for them to live and work under better conditions. They must do something about the country's seven million obsolete houses, the slum areas, and the stores that scare people away instead of attracting business," Lane said. He feels that architects should take the lead in selling owners on better materials at lower costs, work in tandem with the building industry by compelling producers and others to do a better job, and sell construction workers on the idea of higher productivity, and sell the entire industry on a large-scale program of cost reduction.

Mr. Lane concluded by saying he realized this was a difficult assignment but he felt that the architectural profession has the means to do the job. "I charge you with this responsibility and I hope to see the time when you will accept the challenge," he concluded.

After Mr. Lane's talk a dance was held in the hotel ballroom which just a few minutes earlier had been filled with table-top displays and the student exhibit. More refreshments were served and when things slowed down a bit, Mrs. Manson entertained a group with some color slides of other meetings and of the beautiful Cornell campus.

About 10:30 the architects and producers were entertained by two charming young ladies. The first was a talented music teacher from Holland who played several well-executed numbers in her accordion. Following her was the other young lady, a lyric soprano, who sang a few songs and accompanied herself on the piano.

Attending the meeting were: Mr. and Mrs. L. T. Ollesheimer, E. D. Ainslee, Frank G. Sander, Art Henson, Mr. and Mrs. W. A. Snure, Mr. and Mrs. D. T. Kingman, B. G. Kulper, Walter Park, Jr., Mr. and Mrs. W. F. Mulcahy, Mr. and Mrs. R. M. Ackerman, Mr. and Mrs. W. D. Ogden, Mr. and Mrs. Charles A. O'Bryon and their two children, and Professor E. J. Olenekie of the University of Michigan.

Members of the Producers' Council in attendance were: Mr. and Mrs. L. T. Ollesheimer, E. D. Ainslee, Frank G. Sander, Art Henson, Mr. and Mrs. W. A. Snure, Mr. and Mrs. D. T. Kingman, B. G. Kulper, Walter Park, Jr., Mr. and Mrs. W. F. Mulcahy, Mr. and Mrs. R. M. Ackerman, Mr. and Mrs. Walter Sandrock and their two children, Harry Lee, R. G. Faulwetter, and Mr. and Mrs. H. M. Armstrong.
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Knapp, who formerly lived at 23449 Republic Ave., in Ferndale, was also associated with George J. Berry, Architect, of 24605 Roanoke, Ferndale, Mich. This combination will continue until projects under construction are completed.

Knapp received his bachelor of architecture from Lawrence Institute of Technology, then studied sculpture under Samuel Cashan. He had served as secretary of the City Planning Commission Royal Oak, and vice-chairman of the South Oakland Planning Council.

PAUL B. BROWN, chairman of the membership committee of the Detroit Chapter of The American Institute of Architects, announces chapter election to associate membership of Louis Goszleth of 5592 S. Martindale Avenue, Detroit.

A native of Budapest, Hungary, Goszleth graduated from the Polytechnical and Economic University of Budapest in 1930. After employment in architects' offices of his native country, he became registered to practice architecture in both Hungary and Germany. He is at present employed by the Detroit architectural firm of Smith, Hinman & Grylls, Inc.

Also announced is the election to associate membership of Eliud John Knapp, A.I.A., formerly employed. Salary expected, $175.00 weekly.

SECRETARY, Experienced, College Graduate in Home Economics-Home Planning, would like position in Architect's Office, Assisting with Planning, or will Combine with Secretarial work—Box 140 Bulletin.

HARLAN SCHOLARSHIP AWARDED

The C. Allen Harlan $5,000 scholarship, sponsored by the Michigan Society of Architects has been awarded to W. Kent Cooper of Williamsport, Pa., now working at 1925 Hickory Grove Road, Pontiac, Mich. Cooper is presently employed by Geer Associates, planning consultants, of Birmingham, Mich. He is 26 years of age.

The Jury consisted of Wells I. Bennett, Dean of the College of Architecture and Design, University of Michigan; Louis C. Kingscott, architect and engineer of Kalamazoo; Amedeo Leone, vice-president, Smith Hinman & Grylls, architects and engineers, of Detroit; George H. Miehls, president of Albert Kahn Associated Architects and Engineers, Inc., Detroit; Joseph W. Leinweber, Yamasaki and Hellmuth, Detroit architects. Professional advisor is Prof. Ralph W. Hammett, of Ann Arbor, Society of Professional Engineers.

Cooper received his bachelor of architecture degree from the University of Pennsylvania in 1951, his master of architecture from Cranbrook Academy of Art in 1952. He traveled and studied in Europe and the Orient, as Japanese interpreter in the Pacific area during World War II. He had been awarded the Pennsylvania Society of Architects Medal in 1951. His early employment was with architects in Williamsport, Pa. and in Philadelphia. Cooper's Harlan Scholarship application was sponsored by architects Eero Saarinen, J. Robert F. Swanson and Robert Snyder, all of Bloomfield Hills, and the Detroit Chapters of The American Institute of Architects.

Purpose of the competition is to stimulate interest in contemporary architecture and to focus attention to the great contribution that has been made in industrial architecture in and around Detroit.

Funds were provided by C. Allen Harlan, president of Harlan Electric Company, of Detroit.

A motion picture on the manufacture of face brick and glazed structural tile has been released by the Hanley Company.

The sound film in color, requiring about twenty minutes to run, was made at the company's plant at Summerville, Pa., and is of a modern gas-fired kiln.

The film will be shown by the company without charge to organizations interested. Requests should be made of the Hanley Company, 14454 Schaefer Highway, Detroit 27, Mich., telephone VErmont 7-3200.

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SECRETARY, Experienced, College Graduate in Home Economics-Home Planning, would like position in Architect's Office, Assisting with Planning, or will Combine with Secretarial work—Box 140 Bulletin.

Letters...

Thank you for the extra copies of the May Bulletin. The presentation of all the work is excellently done, and I am proud to have been included.

CHARLES A. O'BRYON

And says Roger Allen: "...a note to congratulate you on the very fine job you did on the special number of the Bulletin illustrating work done by members of the Western Michigan Chapter. The whole issue was very well conceived, and I am particularly thankful for the extra copies."

Yesterday I received the beautiful flowers from the Michigan Society of Architects which now adorn my tiresome sick room. They have given me much pleasure—so nice to find my old friends have me in mind still. Will you please express my gratitude for their thoughtfulness. I appreciate their kindness very much. My best regards and good wishes to you all. MARCUS R. BURROWES, 24300 Locust Drive, Farmington, Mich.

GEORGE G. ELMSLIE

George Grant Elmslie, F.A.I.A., 81, died in Woodlawn Hospital in Chicago on April 23. Born in Huntly, Aberdeen-shire, Scotland, he came to this country and settled in Chicago in 1881. For more than 20 years he was associated with Louis Sullivan. One of the most notable examples of his work is the ornamental iron on the building of Chicago's Carson, Pirie Scott & Co.

He was a brother of the late wife of Prof. Emil Lorch of Ann Arbor, Mich.

MERRITT S. WILCOX

Merritt Smith Wilcox, 79, died at his home in Sandusky, Ohio on March 18. He was a prominent architect, was educated at Cornell University and Massachusetts Institute of Technology. He had been associated with the Wilcox Department Store in Sandusky until his retirement 20 years ago.

Professor Emil Lorch, F.A.I.A., of Ann Arbor, recalls that Mr. Wilcox was for a time in the office of Rogers and MacFarlane, Architects, of Detroit, and was a member of the Detroit Architectural Club.

DAN POWERS

Daniel Powers, registered civil engineer and land surveyor, died at his home in Williamsburg, Mich. on April 12, at the age of 55. Mr. Powers, well known in the architectural profession and building industry in Michigan, was a graduate of the University of Michigan, School of Engineering. He had worked for R. H. McManus Co., the State Highway Department, and the Wayne County Road Commission, before entering his own practice as Powers Engineering Co., of Williamsburg.

He was a member of The Engineering Society of Detroit, and Michigan Society of Professional Engineers.
Come to the Grand Hotel, Mackinac Island, July 31-Aug. 1 & 2, 1952

The Michigan Society of Architects Annual Conference at The Grand Hotel on Mackinac Island, July 31-Aug. 1 and 2 is being planned for your enjoyment by Ralph W. Knuth, A.I.A., of Flint, Chairman of the Committee on Arrangements.

Thursday, July 31 will be for arrivals, get-together and registration, and Sunday, Aug. 3 will be checking-out time.

Much of the time will be devoted to recreational activities and entertainment.

Herewith is Hotel reservation blank, showing rates. This should be sent direct to the Hotel. Each year a certain number of rooms are set aside for our group—and each year we have exceeded the estimate. It is, therefore, important that reservations be requested as soon as possible.

All meals are included in the American Plan rates.

THURSDAY, JULY 31—Registration: Members and guests $2, Ladies free
9:00 A.M. to 4:00 P.M.—Recreational Activities
6:00 P.M.—President's Cocktail Party in the Presidential Suite
7:00 P.M.—Dinner in the Main Dining Room.

FRIDAY, AUG. 1—8:00 A.M.—Breakfast, Main Dining Room
9:30 A.M.—Open Meeting of the Board of Directors, Club Room, President Leo M. Bauer presiding; Welcome to Mackinac Island by James A. Spence, Vice-President; Program by the Concrete Products Association of Detroit
12:30 P.M.—Luncheon in the Main Dining Room
2:00 P.M.—Organized Carriage Rides; Boat Rides and other recreational activities for those who want to go on their own.
5:00 P.M.—President's Reception; Portland Cement Association, Hosts at Cocktail Party. Dedication of Trophy Case donated by Kawneer Manufacturing Co.
7:00 P.M.—Dinner in the Main Dining Room
9:30 P.M.—Annual Midsummer Conference Dance

SATURDAY, AUGUST 2—9:30 A.M.—Breakfast in the Main Dining Room
9:30 A.M.—Business Session in the Club Room; Speaker, Dr. Walter Cocking; Subject, "Modern School Buildings"
12:30 A.M.—Luncheon in the Main Dining Room
2:00 to 6:00 P.M.—Recreation; 6:00 P.M.—Cocktails, on your own
7:00 P.M.—Annual Midsummer Conference Banquet; Toastmaster, Adrian N. Langius; Speaker, Fred G. Lopez, Senior Associate Editor, Architectural Record; Subject, "The Layman's Reaction to the Architect" Entertainment by Besser Male Chorus
10:30 P.M.—ADJOURNMENT; Dancing in the Casino

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AIA

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Finding a suitable location for our new office building was the most difficult problem. We finally did locate one block in a new residential subdivision, just outside the city limits, which had been zoned for use. This seemed ideal since the majority of our work is residential and the property was in the midst of a growing community and on the main highway out of Saginaw to Midland. Much of our work is in Midland and this location would save considerable transportation time over an in-town location.

The building is one story with concrete slab on the ground and brick veneer construction. The shop and warehouse was constructed of colored concrete blocks to match the brick color. This was the first attempt, in this vicinity, at coloring blocks, and it was very successful, in that the upkeep is low and the wall does not require painting to look attractive.

All windows are steel with tile or glass sills. All stationary sash are glazed with Twin window. All floors are covered with Asphalt Tile, a different color being used for each room. All ceilings are plastered.

Various kinds of wood were used for wall finishes. The conference room has birch, one office has cherry, one wall of the front office is done in Philippine Mahogany and the drafting room walls were done in cedar. All panelling was applied horizontally and finished natural. The walls between the offices and the hall were done in squared bandlite glass giving light to the hall. All lighting is of the recessed type. Fluorescent was used in the general office and hall and incandescent for the remainder of the building.

Heating is by hot air. An oil-fired unit is suspended from the ceiling of the shop. All duct work is carried overhead.

Adequate parking facilities are provided at the rear of the building off the side street for all employees and clients. The brick are buff and the plant box at the entrance is of Bay Port Stone. Trim on the outside is painted a reddish brown. The building is spot lighted at night by means of lights hidden in the low shrubs in front of the building.

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July, 1952. MONTHLY BULLETIN

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Along Realty Row

Saairein Heads, AIA

Unit to N. Y. Meeting

WIN PAT HENRI

Eero Saarinen, president of the Detroit chapter of the American Institute of Architects, will head the AIA's 69th annual Midsummer Conference, to be held at Mackinac Island July 31 through August 3.

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ART ASSOCIATION OFFERS THREE DETROIT LECTURES

W. Hawkins Ferry, president of the Metropolitan Art Association, of Detroit, announces three lectures for the coming season.

On December 3, Edgar Kaufmann will speak on Modern Furniture Design; on January 14, Lester Beal, advertising artist, and editor of the Magazine Scope, will speak on Art, Advertising and Editing; On February 25, Daniel Schenieder, author of books on Psychology and the Artist, will speak on Psychology and Art.

Metropolitan Art Association offers membership at $2.50, including the three lectures. We recommend this membership to architects, as the Association has consistently supported our profession.

This Association has recognized the Detroit Chapter by naming three Chapter members to its Board of Directors. They are Miss Helen Fassett, Alexander Girard and Talmage C. Hughes.

All of the lectures will be held in the large auditorium at The Detroit Institute of Arts, co-sponsoring organization.

Checks for membership should be made payable to the Metropolitan Arts Association of Detroit, Michigan, and mailed to Detroit Chapter, The American Institute of Arts, 120 Madison Ave., Detroit 26.

LAWRENCE G. LENHARD, Detroit landscape architect, has made application for associate membership in the Detroit Chapter, A.I.A.

Well known as a registered professional engineer and planner, Mr. Lenhard has practiced in Detroit and Toledo, Ohio, for many years, on public and private work. He has done large park projects for the State of Michigan, totaling more than $2,000,000.

A native of Princeton, Ill., Lenhard graduated from the University of Illinois in 1925.

REFERENCE LIBRARY OF THE DETROIT INSTITUTE OF ARTS

The Reference Library Committee of The Detroit Institute of Arts is collecting photographs and plans of outstanding Detroit Buildings, for the archives of the library.

Mrs. Arline Custer, librarian, reports that the leading architects’ offices of Detroit have cooperated toward making the library’s collection representative of the City’s contemporary buildings, as well as many that have been removed.

The librarian also announces valuable books have been donated to the library by the heirs of the estates of the late architects, Albert Kahn and William B. Stratton. Alpheus Chittenden, former Detroit architect, now retired and living in Colorado Springs, has donated his architectural books to the reference library of The Detroit Institute of Arts, Mrs. Custer reports.

The library committee is composed of Mrs. James B. Angell, Henry E. Candler, Wayne L. Claxton, Miss Florence Davies, W. Hawkins Ferry, Dr. Otto H. Fisher, Alexander Girard, Mrs. Julius Haas, Mrs. Hobart Hoyt, Mrs. Trent McMath, Talmage C. Hughes, Francis W. Robinson, Miss Agnes Savage, Robert H. Tannahill, Edgar B. Whitcomb, DavidHamilton, Paul Grigaut, Mrs. Custer, and F. Warren Peters, Jr.

SMALL HOUSE JURY SELECTED


The jury will meet at the Hotel Fort Shelby in Detroit, where the drawings will be hung in the ball room, on Thursday, July 17.

Sirrine said that more than 100 designs are expected to compete for the $3,250 in prizes. Designs will be exhibited at the Michigan Society of Architects Annual Midsummer Conference at The Grand Hotel on Mackinac Island, July 31-August 1 and 2.

DEAN WELLS I. BENNETT, of the College of Architecture and Design, University of Michigan, announces that the Harley, Ellington & Day Scholarship for the academic year 1952-53 has been awarded to Constance Beth Davies.

The award is being made each year for a period of five years, beginning in 1950, to an upper-junior student in architecture about to enter the two senior semesters in architectural design. The recipient of the scholarship is named by the faculty for marked ability and promise.

The scholarship carries a stipend of $1,000 contributed by the Detroit firm of Harley, Ellington & Day, Inc., Architects and Engineers.

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This plant is located on a site of approximately 80 acres on East Maple Road, Birmingham, Michigan, and is served by sidings from the Grand Trunk Western Railway (Canadian National Railway System). The site has been completely landscaped and parking facilities established for both visitors and employees. Parts of the site have been sown to various type grains as a testing ground for tractors and other farm equipment. The company is the national marketing organization for the Ford tractor and Dearborn farm equipment.

The office building (approximately 125,000 square feet) is a three-story and basement structure of reinforced concrete and structural steel. Face brick, aluminum sash and aluminum siding compose the exterior walls. The roof is constructed of precast cement tile covered with 20-year composition roofing. "Q" Type flooring has been used, with asphalt tile, in offices and corridors. The entire office layout was established on a four-foot module, and Type "CCF" metal partitions permit very flexible arrangement of offices to suit changing needs.

An outstanding feature in the construction of the office building is a baseboard raceway for electric wiring for intercoms, office machinery, telephones, and low voltage circuits for switching overhead, flush type, fluorescent lighting fixtures. Cross wiring is easily run through the hollow metal floor construction.

The ventilating system is based upon a central heating and cooling supply through diffusers, plus perimeter convection heating.

The executive offices, lounge, etc., located on the third floor, carpeted...
throughout, with special built-in features for filing cabinets, etc., toilet and dressing rooms, are provided; and, all connect to a private dining room.

The desks in the president's and vice-presidents' offices were custom built to match the wood paneling.

An executive dining room is provided, adjacent to an open-air terrace surfaced with quarry tile, while a complete employees' kitchen and cafeteria has been provided on the main floor.

An executive garage is conveniently located with undercover access from the main office area.

The warehouse is a one-story steel structure of approximately 170,000 square feet, having brick sills and steel sash and aluminum siding above. The roof is of metal deck, insulated with 20-year composition roofing. Factory-type metal partitions and Cinder block walls separate the various sections of the plant; i.e., laboratory, machine shop, etc.

Railroad and truck shipping and receiving facilities are provided, together with adequate employee services. An attached boiler house provides steam for heating the laboratory, warehouse and office building. Industrial type suspended fluorescent lighting fixtures are supplied for the warehouse. The warehouse is protected by a sprinkler system.

(A) Special Requirements and conditions:

This is a distribution center for a tractor company. It called for the design of a warehouse, office building, and a building to house the business and executive offices of the company's headquarters. The building is connected to the warehouse by an underground garage with 20-year composition roofing. The warehouse is supplied with 20-year composition roofing and standard-type metal partitions and Cinder block walls separating the various sections of the plant; i.e., laboratory, machine shop, etc.
The executive offices of the company. The two are connected with garage and cafeteria facilities.

The executive suite includes complete kitchen and dining facilities as well as a roof terrace.

(B) Technical data:
Foundation: Rein. Cone.
Structural Frame: Struct. Steel
Roof Deck: Metal Deck—warehouse; Office—cement tile.
Roofing: 20 year bond.
Exterior Walls: (Brick sillwall, Warehouse Aluminum) Office Bldg.—face brick & alum. siding.
Doors: Wood & Hollow metal.
Interior Partitions: Off. Metal type CCF & block plastered.
Warehouse—block painted & Fact. type metal painted.
Interior Finish: Plaster painted—wood panel in Executive.
Ceiling: Metal pan acoustical ceiling.
Heating: Steam radiators & convectors. Vent. or Air Cond.: Offices—air conditioned.
Plumbing: Storm sanitary sewer, cast iron steel piping.
Process Piping: None.
Fire Protection: Sprinklers, wall hydrants, hose bibs, fire loop.
Lighting: Office—flush type fluorescent. Warehouse—fluorescent.
Power: 4800V Primary, Secondary Power 440 3 phase 60 cycles.
Remarks: 13306V Lighting 3 phase 60 cycles, 4 wire service. 1000 V. K.V.A.
(c) Cost: $3,000,000.
(A) Special Requirements and Conditions:
The need of a public indoor-outdoor swimming pool providing facilities for city children and yet be of competitive size for championship meets, distinguishes the Patton Pool as the first of its kind in Continental North America.
The pool is 75' x 42', and ranges from 3 1/2' to 10' deep.

The hillside slope enables ground access to the changing rooms from the children's wading pool and warming rooms for winter skating.

To eliminate condensation, hot air is forced through the approximate two-foot space between the doors. The doors are double glazed aluminum sliding doors. The level deck pool was chosen in preference to the scum-gutter pool, because of a more economical solution and aesthetic values.

Walls are face tiled 10' up, with the remainder cinder block.

Because of high humidity in the room, sealed fixtures and a cork ceiling were used.

Three separately controlled heating systems were used. One provides heat for the doors and the space above the
pool; the other services the general building, locker and shower rooms; and unit three heats the natatorium. The heating system is designed to heat the natatorium to 85°F, and 50 per cent humidity at an outside temperature of 10°F below zero and 75 per cent relative humidity.

The building contains a combination gymnasium and auditorium, craft and social rooms, locker rooms, warming room for ice skaters, and change rooms for children using the wading pool.

A year 'round meeting place is provided for the clubs of neighborhood groups.

The gymnasium, with its stage and dressing rooms, provides ample opportunity for plays and pageants.

(B) Technical Data:
Foundation: Reinforced concrete.
Structural Frame: Steel.
Roof Deck: Metal.
Roofing: Built-up, 20-year.
Exterior Walls: Brick.
Sash: Metal and glass block.
Doors: Wood.
Interior Partitions Block.
Interior Finish: Painted cinder block and plaster.

AND GYMNASIUM
DETROIT, MICHIGAN

Ceiling: Acoustical tile, plaster, cork above pool.
Floors: Concrete and asphalt tile.
Heating: Combination hot air and radiation.
Vent, or Air-Cond.: Special ventilating for pool.
Plumbing: Conventional.
Lighting: Above pool waterproof and recessed.

(C) Cost: $625,000.

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The Chas. A. Parcells Junior High School, located on a 16 acre site at Mack and Vernier Road, Grosse Pointe, Michigan, and completed this year, has been planned and built not only distinctly as a junior high school but also to function as a community center adaptable to adults.

The building itself is mostly 2-story brick exterior with Mankato stone used for trim. Sash are steel of a projected type, and the roofs are flat tar and gravel on insulated concrete slabs. Inside, the floor covering generally is asphalt tile but sheet rubber has been used in some of the more important areas such as the library, auditorium, corridors, etc. Most of the rooms have...
ceramic glazed facing tile wainscots with cinder block painted above. The ceilings in all rooms are acoustically treated. The lighting is fluorescent.

Designed to accommodate approximately 900 children, the school has in addition to 20 regular class rooms, several separate and distinct departments such as administrative, which includes clinics and book shop; student library and conservatory; music and science; industrial arts and household arts. As part of the community center there is a public library having direct access from the street, complete with work room, stack room, staff room and a story hour room for the younger children. The library is furnished in the modern manner with lively color accents and some of the tables and chairs are scaled down to suit the younger children. The auditorium, while it has no balcony, seats 900 comfortably. The walls have a high wood wainscot of red
oak lightly stained with cinder block above laid in an interesting pattern and painted a warm rust. The lighting is both direct and indirect. The main lobby which serves the auditorium is large and well lighted, is paneled with polished Mankato stone and wood. Directly off this lobby is a community room which serves as a meeting area for smaller groups generally composed of adults.

While there is no swimming pool, the school has a boys' gym and a girls' gym, each with their own showers, lockers and toilets, of approximately 3600 square feet. The girls' gym, used as the school cafeteria, is equipped with folding tables served by a large kitchen and serving area directly across the corridor. The play room has shuffleboard courts.

The class room section of the building is heated and ventilated by a standard split system, built in convectors at each window automatically controlled by a thermostat in each room and ventilating air supplied at a constant temperature. Separate exhaust stacks run to an attic vent space with a back pressure damper at the top of each stack. Two gas-fired boilers supply the heat.

The auditorium and both gymnasiums are heated and ventilated by fan systems with provision for the selection of outside air and return air. Ventilating air is supplied to locker rooms, toilets, kitchens and other special areas and is exhausted by separate fans for each area.

Parking has been provided for 75-80 cars.

A freight elevator services the building; this is something which is often overlooked in school design.
The plant is located along U. S. Highway 112 (Michigan Avenue) on the westerly edge of Wayne, Michigan, on a site of approximately 180 acres. It is served by the Michigan Central Division of the New York Central Railroad, and the Chesapeake & Ohio Railroad.

The main assembly building is a one-story steel structure, 900' wide x 1480' long (long axis east-west) with provision for future extension at east end. The roof is of metal deck, insulated, with poured-in-place concrete sill walls, steel sash and aluminum siding side walls. An underground pedestrian tunnel provides access from locker rooms to production area. Heating and ventilating installations are housed in roof pent houses. An incinerator installation is provided in an attached wing and a paint-wash water recirculating system will handle 6000 g.p.m.

Auxiliary buildings consists of a one-story administration building, providing general offices, employees' service facilities, executive garage, driveway garage, etc.; a power house (coal-fired); a 300,000 gallon elevated water tank; cooling lower; a paint & oil mixing building; a barrel storage facility; an oxygen area and acetylene building; and an industrial waste disposal plant with lagoon. A test track of approximately 4/10 of a mile is provided with convoy loading and storage area nearby.

Parking lot facilities are provided for an overall capacity of 2000 cars. Roadways, railroad sidings and truck shipping and receiving facilities are provided.

It is expected that approximately 3400 people will be employed in this plant.
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Other buildings included are a rect-
ory, a sexton's house and a garage and tool house. Space will be provided on the site for a future curate's house.

Construction of church, chapel, parish building, etc., will be stone exterior with cinder block interior; roof trusses and purlins will be wood with wood plank and natural slate covering. Floor slabs will be reinforced concrete with slate, asphalt tile and wood finish.

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