Score 10 for each correct answer:
90-100 Excellent
80-90 Very good
70-80 Good
60-70 Not bad
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COST
1. What is the most economical cost per square foot of a single story aluminum wall including aluminum framing, panels, glazing and erection?
   $1.75 $2.25 $2.75

GLAZING
2. Many present day curtain walls are designed with large glass lites. One of the major factors in determining the maximum allowable deflection is the glazing rabbet depth.
   True False
3. A typical glass size above a hopper vent in present design is 3'-8" x 5'-8". The minimum glazing rabbet depth for this lite should be:
   $\frac{3}{8}" \quad \frac{1}{2}" \quad \frac{5}{8}"

FINISH
4. Sweets' file #17, 1958 edition on aluminum windows, shows 35 manufacturers of aluminum projected windows. The standard finish as used by 85% of these is:
   mill Satin etch and lacquer anodized

CONSTRUCTION
5. Average frame depth of a projected window is:
   1" 1\frac{1}{2}" 2\frac{3}{4}"

HARDWARE
6. Three methods of operating out-of-reach ventilators are listed below. List these in order of economy:
   Spring catch and chain Spring catch and pole Mechanical operator

TECHNICAL
7. Electrolytic action cannot occur between steel and aluminum unless water is present.
   True False

ENGINEERING
8. A 70 m.p.h. wind creates a pressure of ______ pounds per square foot against a curtainwall.

GENERAL
9. To the best of your knowledge, what is the first aluminum curtainwall installation in the Detroit area?

10. Factors which influence the development of standard size windows and doors are aesthetics, ventilation, screening and anthropometric requirements. "Anthropometry" is a science of measuring:
   a. light b. human body c. vision

See Quiz Answers on Page 40
Scenes at Great Lakes Steel Corporation’s Sintering Plant, Zug Island, Michigan.

KOPPERS COMPANY, INC. DESIGNERS & ERECTORS

(1) Joe Wolf and Ben Howay installing conduit
(2) John Pope, job superintendent, at control desk
(3) Jeno Rizzolo making adjustments on D.C. Control Panel

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Are You A Victim Of Bid Shopping?

The Bulletin of the Washington (D.C.) Building Congress, Inc., asks this question, and then comments as follows:

In highly competitive times such as these bid shopping gets sharper, if that is possible. The subcontractors have tried to devise remedies to protect themselves from unfair treatment on the part of the general contractors such as bid shopping and peddling, too large retain-
ed percentages, payments held out beyond the terms of the contract, unfair treatment on contract changes and chiseling on back charges.

No contractor who was guilty of all of these abuses could stay in business but a very large number of reputable general contractors regularly indulge in one or more of these unfair practices. They point out that the other fellow does it and they are forced to follow suit if they want to stay in business in a market where price is the determining factor. We have also heard a number of complaints from material people that the subs are often guilty of the same unfair practices against them.

The mechanical contractors have come up with two proposals for curbing these practices: negotiating separate contracts for their share of the work directly with the owner; and establishing a fair bidding practice requiring the prime contractor to list his subcontractors so their bids can be considered final, and making any deviation from the listing subject to either recapture penalties or public disclosure of the offender as a cheat.

Separate contracts are violently opposed by the general contractors. Some subcontractors also feel that while they eliminate bid shopping they create other problems which are just as bad or even worse. Separate contracts end coordin-

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Monthly Bulletin, Michigan Society of Architects, Volume 32, No. 5

Including National Architect

OFFICIAL PUBLICATION—Detroit Chapter of The American Institute of Architects,
Gerald G. Diehl, President; Lyall H. Askew, Vice-president; Peter Tanagata, Secretary; Werner Guenther, Treasurer; Earl G. Meyer, Lynn W. Fry, Frederick G. Bickel, Suren Pilafian, Directors; Talmage C. Hughes, Executive Secretary; Arleen Montford, Administrative Secretary.

OFFICIAL PUBLICATION—Saginaw Valley Chapter, A.I.A.; Harvey C. Alligian, President; Auldin H. Nelson, Vice President; Vincent T. Boyle, Secretary; Herman J. Klein, James A. Spence, Frederick E. Wigen, Directors; Arleen Montford, Administrative Secretary.

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nation of the job by the prime contractor which can result in confusion and complete chaos. On a public job with separate contracts the coordination is done by a public agency. Those who have had experience with bureaucratic management which is often incompetent, to put it very politely, will agree that this can be both costly and frustrating. There is also the difficulty of bringing together a number of contractors with conflicting labor policies. In areas where there is strong non-union competition, employers of union labor have lost out time and again.

A fair bidding procedure bill appears to be the best solution. The Federal Construction Bill, H. R. 7168, passed the House by unanimous consent last June and has been reported out by the Senate Judiciary Committee and is now awaiting scheduling. It is approved by both the Associated General Contractors and the electrical, sheet metal and air conditioning, and mechanical contractors' national associations. It contains two principal provisions:

(1) It declares bid shopping to be an unfair trade practice; and
(2) It sets up bidding procedures requiring the general contractor to list his subcontractors when he submits his bids. If the general contractor switches subs he will be subject to an accounting for any benefits which might accrue to him.

While this bill applies only to Federal public works, its provision stating that bid shopping is an unfair trade practice opens the way to bring the matter before the Federal Trade Commission and thus make it apply also to private construction. This should be a step in the right direction. It will provide an opportunity to test on Federal jobs a solution which has been arrived at after long negotiation between important segments of our industry. If it succeeds there, the states can pass legislation modified to suit their particular needs.

THE COVER: Designed by the office of OBryon & Knapp Associates, Architects, whose work is featured in this issue. Could it be a chart of the architects' fee schedule?
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May '58 Monthly Bulletin
Detroit Chapter's Next Meeting

Carl W. Almblad, principal city planner, with the Detroit City Plan Commission, will be the speaker at the annual meeting of the Detroit Chapter, American Institute of Architects, with its three student chapters at the Michigan Union in Ann Arbor, May 16. His subject will be "Long-Range Redevelopment Planning."

The Detroit Chapter Board will meet at 4:00 p.m., and a social half hour at 6:00 will be followed by dinner at 6:30 and the program at 8:00 p.m.

Awards for outstanding scholarship will be made to students of the three branch chapters— at the University of Michigan, University of Detroit and Lawrence Institute of Technology.

Mr. Almblad, in charge of the Plan Commission's long-range and redevelopment planning, studied civil engineering at Illinois Institute of Technology, and he received his bachelor of architecture from the University of Illinois in 1950. He is registered as an architect in the State of Illinois, a member of the Michigan Society of Planning Officials, and an associate member of the American Institute of Planning Officials.

After three years with the Chicago Plan Commission, he joined Detroit's City Plan Commission in 1953.

Concerning the future of city planning, Mr. Almblad says: "The planning and rebuilding of our nation's cities is one of the greatest opportunities facing contemporary American society. With an over increasing portion of the population being urbanized, and with scientific and technical advances coming on the scene at a bewildering pace, cities cannot afford to remain unplanned."

"Because of the compounded problems evident in urban areas today, planning is rapidly becoming accepted as the only logical means of providing a well-functioning and desirable community in which to live.

"Yet planning cannot become an effective instrument unless it is understood and accepted by the people it affects. This is particularly true in the case of the architects, engineers and others whose duty it is to rebuild the city according to its plan."

"Having advanced to a leading position in planning, Detroit today can boast of numerous developments coordinated and aimed at providing for its citizens the finest city in America. Its Civic Center, expressways and pioneer- ing urban renewal work are but a few visible results of this dynamic program. "These plans for Detroit, plus glimpses of developments in other parts of the country and in Europe can be an inspiration to every citizen concerned with the development of his community and should attract the interest of architects and others in whose hands the building of the community lies."

Meeting Reports

MSA Board Meeting

M.S.A. Board of Directors, meeting at the Michigan Union in Ann Arbor, April 16, began with a luncheon, attended also by Dean Philip N. Youtz, A.I.A., of the College of Architecture and Design, and six of his faculty members. Society President, Frederick E. Wigen said the purpose was "to get better acquainted." Dean Youtz said, "We are endeavoring to narrow the gap between college and the profession."

According to established custom, the Society's various committees met following luncheon and prepared their reports to the Board. Linn Smith was present with a report on matters pertaining to the State's Department of Public Instruction and the Fire Marshal's office. Charles H. MacMahon, Jr. presented dummies for the Society's new brochures, "Design for Tomorrow," and "Owner's Guide." It was decided that when rosters of individual members are published in the Monthly Bulletin the same issue shall carry a roster of officers and a roster of sustaining members. The next such issue will be in June, 1958.

Future Board meetings: May 15, Birmingham Country Club; June, none; July 17, Botford Inn, Farmington; Aug 8, Mackinac Island; Sept 15, Western Michigan; October 16, with Detroit Chapter; Nov 13, Frankenmuth; December 18, Detroit.

Great Lakes Conference

The A.I.A. Great Lakes Regional Conference at the University of Notre Dame, April 17-19 was attended by more than 200. A Public Relations Workshop was conducted by Robert Denny, P.R. Counsel of the A.I.A., and presided over by Charles H. MacMahon, Jr., A.I.A., of Detroit.

Other events: an ice-breaker, a dinner, band concert, ladies' program, exhibits, and a business session with Bergman Letzler, G.L. Regional Director, presiding. Frederick E. Wigen, M.S.A. President, presided at a luncheon and addresses on "The Nuclear Age and City Planning," by Dr. Henry D. Hinton.

At the Friday evening banquet Frank Montana, President of Indiana Society of Architects, A.I.A., presided, and Albert Mayer, F.A.I.A. delivered an address on "City and Town Planning," illustrated with slides. The new film by Architectural Forum, "The New Age of Architecture," was shown and it can be highly recommended.

Saturday's program included golf for the men, a coffee klatch for the ladies, a seminar on "Urban Design and Planning," ending with a tour of the beautiful campus. Those present expressed praise for the Conference Committee and looked with pleasant anticipation to the next G.L. Conference, tentatively suggested for the University of Michigan.
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April Meeting

Western Michigan Chapter, A.I.A., met at the University Club in Grand Rapids, April 14th to hear a panel discussion on "The Future of Architectural Practice."

James S. Hornbeck, Senior Editor of Architectural Record, New York; Dr. Milton Taylor, Associate Professor of Economics, Michigan State University; Harold Albert, Albert Builders, Inc., Grand Rapids, and Wesley Jeltema, of the George W. Datema Co., Grand Rapids, were the principle speakers.

Fifty members and guests heard Dr. Taylor predict that increased incomes in the future will mean a greater-than-proportional demand for more construction. The area for fastest growth in the typical large metropolis will be in a ring around the core city, he said.

"While man worries whether terror or opportunity will become his future," said Mr. Hornbeck, he eloquently predicted a bright future, adding that he feels there is a birth of new architecture on the horizon.

Harold Albert, builder, and Wesley Jeltema, contractor, both expressed optimism. However, they both expressed the belief that the future is not hopeful for the architect in the small or average-size home field unless he is able to set up his office to serve the builder. If this could be accomplished, they agreed, there could be an unlimited demand for such architectural services. They felt there has been new harmony between the A.I.A. and the home builders, where there was once misunderstanding. With these two groups working together compatibly it should help to keep the nation in an expanding economy.

The meeting continued with Moderator John Knapp, A.I.A., asking for questions and further discussion from the floor. It was agreed that this meeting could be listed as one of Western Michigan Chapter's best.

Corporate Membership Certificates were presented to Jan Toba Gaastra, Robert W. Smith, William J. H. Kane and Richard Hervey Stuckman. Associate Memberships to Calvin David Lane, Arthur R. Chatterton and Thomas W. Biaboe.

The joint outing of Western Michigan Architects and Associated General Contractors will be held at Gull Lake, June 6. There will be a mailing with more details about this in the near future.

Next meeting of the Chapter will be on May 19 at Inman's Restaurant in Galesburg. There will be cocktails at 6:00 P.M. and Dinner at 7:00. With Enforcement of the Registration Act as the subject, it promises to be an interesting meeting.

SECRETARY DAVID E. POST, Western Michigan Chapter, requests your cooperation in bringing the Chapter Roster up to date. If there have been any changes in your personnel, firm name or address, he would appreciate hearing from you. Have you supplied him and the Monthly Bulletin office in Detroit with the Monthly Bulletin office in Detroit with your file up to date.

ROGER ALLEN, F.A.I.A., was invited to speak at a luncheon given by the Michigan School Food Service Association in Flint, April 26. His subject: "The Necessity of Careful Planning in the Building of School Kitchens."

Kingscott, FAIA

LOUIS CLIFTON KINGSCOTT, Senior member of the firm of Louis C. Kingscott & Associates, Architects and Engineers, of Kalamazoo, has just been elected a Fellow of The American Institute of Architects. He was the only Michigan architect so honored this year.

The Fellowship Certificate and medal, in recognition of his public service, will be presented at the Institute's 90th Annual Convention in Cleveland, Ohio, July 7-11, 1958.

Mr. Kingscott was born in Bear Lake, Michigan on July 11, 1898. He received his bachelor of Science in Civil Engineering from the University of Michigan in 1922. After gaining a well-rounded experience in architecture, engineering and construction, he became registered as an architect in Michigan in 1929. He was one of a select group who passed the examination with grades of 90 percent or better. He is registered as an architect in eight states and by The National Council of Architectural Registration Boards. He is also registered as an engineer in four states and by The National Council of State Boards of Engineering Examiners. He began practice in 1929.

His professional affiliations include The American Institute of Architects, its Western Michigan Chapter (Past President), Michigan Society of Architects (Past Director), American Society of Civil Engineers, Michigan Engineering Society (Past President, Honorary Member), and American Military Engineers.

His public service includes membership on the Michigan International Bridge Authority (Chairman 1940-43) and its Advisory Council, Michigan State Board of Registration for Architects, Professional Engineers and Land Surveyors (1938-44), Kalamazoo Building Code Commission, Kalamazoo County Chairman for N. R. A., Kalamazoo City Board of Review, and Kalamazoo Chamber of Commerce (President, 1954).

He was signaly honored by his alma mater, the University of Michigan, by special citation, along with leaders of business, industry and the professions from throughout the nation.

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Sidney G. Kusworm, Jr., President and General Manager of the firm made the presentation at a dinner meeting.

Mr. Dow was lauded for his unique window design of the St. John’s Lutheran Church in Midland. The award is the third presented by the company and the first to be presented to an architect in the Mid-West. This was not, however, the first time Dow used this design. He has adapted it to residences and the King’s Daughters Home. The award is based on “recognition of an outstanding design, to stimulate the art of scientific fenestration and to suggest improved solutions to all types of window problems.”

A.I.A. members from Dow’s office who were present at the dinner were: Harvey C. Allison, Vincent T. Boyle, Thomas E. Crampton, Phillip Fedderson, Willard E. Fraser, Jackson B. Hallett, Robert W. Hammerschmidt, and Associate Members, Robert Boll, Robert Kostus and C. A. Graham. Other guests were Rev. G. Walter Schoedel, pastor of St. John’s Church; Rev. Donald P. Buteyn, president of Midland’s Minister’s Association; Charles and Leroy Engelhart, contractors of the church, and Ervin McClellan, president of the Michigan Jalousie Window Distributing Company, of Saginaw.
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Saginaw Valley

Saginaw Valley Chapter, A.I.A. met in Flint, April 21, at the Colony House. A social hour preceded the buffet dinner. Forty members were in attendance and enjoyed the program that was presented by the American Prestressing Company, of Centerline, Michigan. An informal discussion and slides showing the company's various projects was informative to the chapter members in how adaptable and practical prestressed and precast concrete can be. John Mikle, the firm's Chief Engineer, explained the slides and the superior features of his product. He was assisted by Homer C. Bohn, sales engineer and Robert Jaress, sales manager.

Frederick E. Wigen, President of M.S.A., reported the progress that has been made in preparing material for the Society's "Owner's Manual." He told the group the manual with the revised fee schedule would be ready for circulation in about thirty days.

The Chapter is looking forward to its next meeting when they will be entertained by Alden B. Dow, F.A.I.A., in Midland, June 2.

ROBERT B. FRANTZ, F.A.I.A., of Saginaw accepted an invitation from the Architects Society of Ohio to address its membership in Toledo, April 15. Mr. Frantz's lecture on his trip to the Middle East and several European countries, is still exciting many audiences.

He has been concerned about the unfavorable publicity these countries are given by some of the press. There were subversive elements around but he didn't visit a country where it seemed to him that the Soviets were getting the upper-hand.

Ever interested in the question of modern versus contemporary, Mr. Frantz confesses he returned from his trip feeling the moderns just aren't in it with "the old boys."

"Honestly, the things they built over these centuries ago," he said, "have sanity of design. They planned and built to last—and succeeded."

"I kept asking myself: 'why is their work so good and why isn't ours of to-day better?' Really, those old boys make us feel humble."

Mr. Frantz was impressed by an idea that the Ohio Society has been developing. They have offered high school students a contest that has been enthusiastically accepted by the students and their teachers. It is a competition to inspire the high-schooler, to help him become aware of and interested in architecture. They have been given simple problems to solve and encouraged to develop their own ideas. The Ohio Society feels this will strengthen their public relations with young people about to decide on a career. "The results," Mr. Frantz said, "were overwhelming and should be considered by our Michigan chapters."

FRANCIS E. WARNER, A.I.A., Midland architect, was a panelist on a program devoted to "A Positive Approach to Construction Safety," at the recent 28th Annual Safety Conference at Detroit's Sheraton Cadillac Hotel. He served with other panelists representing contractors, suppliers, insurance agents and owners.

SAGINAW VALLEY CHAPTER'S NEXT MEETING will be in June at the home of Alden B. Dow, F.A.I.A. in Midland. The Chapter will hold no meeting in May.
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E. JOHN KNAPP, A.I.A.
Born in Kent County, Michigan, 1916, graduate of Lawrence Institute of Technology, School of Architecture & Engineering. President of Friends of Art, Grand Rapids Art Gallery. Returned to Grand Rapids from Detroit in 1952 to join present partnership. Supports professional activities in committee work.
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“HOMES FOR BETTER LIVING AWARDS” announces extension of its deadline for filing entry forms to April 25, 1958. Material is to be submitted by May 23.

This is the Third Annual Awards program sponsored by The Institute, House & Home magazine, National Association of Homebuilders and thirteen other leading industry organizations. Awards will be presented at the A.I.A. 1958 annual convention in Cleveland, Ohio, July 7-11, 1958.

Winning designs will be exhibited at the Cleveland Museum of Art, the National Housing Center in Washington, D. C., featured in national magazines, newspapers, and on radio and television.

Entry forms may be obtained from The American Institute of Architects, 1735 New York Avenue, N. W., Washington 6, D. C.

THE PROFESSIONAL ADVISORY COMMITTEE, as published in our April issue, was incomplete. This Committee, appointed by the Michigan Society of Architects to cooperate with the schools of architecture in Michigan, consists of the following:


MICHIGAN’S GOVERNOR G. MENDENWILLIAMS has appointed three members of the Michigan Society of Architects to serve on his Committee, “Joint Operation to Build Soon” (JOBS). They are:

Frederick E. Wigen, of Saucinaw, President of the Society; Gerald G. Diehl, President of the Detroit Chapter, American Institute of Architects, and Philip C. Haughey, of Haughey, Black & Williams, Architects, Battle Creek.

Purpose of the Committee is to facilitate the progress of building construction projects already authorized.

ROBERT B. FRANTZ, F.A.I.A., of Saucinaw, has been elected Chairman of the Michigan State Board of Registration for Architects, Professional Engineers, and Land Surveyors. Wells I. Bennett, F.A.I.A., of Ann Arbor, was elected Vice Chairman, and Talmage C. Hughes, F.A.I.A., of Detroit, was elected Secretary.

The Board reelected Henry G. Groehn Executive Secretary and Mrs. Florence Burger, Accountant-Bookkeeper.

Bennett, Frantz and Hughes were named delegates to the Annual Convention of the National Council of Architectural Registration Boards to be held in Cleveland, Ohio, July 6 and 7, 1958.

CHARLES A. BLESSING, A.I.A., Director of Planning, Detroit City Plan Commission, has accepted an invitation from the Government of West Germany to inspect the new reconstruction and planning throughout that country.

Blessing left New York on April 20, for a month in Germany, following which he is scheduled to spend a week at the Brussels World’s Fair, gathering information for Detroit’s Trade Fair and Festival to be held in 1962.

He will return to this country at the end of May.

ALBERT C. FORSTER, Jr., of 13468 Farley, Detroit 38, has become an associate member of the Detroit Chapter, American Institute of Architects.

Forster received his professional education at the Veterans Institute, Detroit, Wayne State University, and Lawrence Institute of Technology. He presently is employed as supervisor and chief draftsman of the architectural section, real estate division of the Burroughs Corp.

JULIEN GORGE, of 20304 Southfield, Detroit has become an associate member of the Detroit Chapter, American Institute of architects, it is announced by Werner Guenther, Chapter treasurer.

Gorge, a native of France received his architectural education at College Stephen Pichon, in Tunisia, and Lawrence Institute of Technology. He has been employed as an architectural draftsman for the Ford Motor Co.

MURRAY B. KASMAN, of 2315 Fernwood, Ann Arbor, has become an associate member of the Detroit Chapter, American Institute of Architects.

Kasman received his professional education at the University of Michigan. After experience in architects’ offices in the Detroit area, he moved to Ann Arbor where he is presently employed as a draftsman with Charles W. Lane Associates, Architects.

GEORGE F. DIEHL, A.I.A., senior member of the Detroit firm of Diehl & Diehl, Architects, and Mrs. Diehl, sailed on the Queen Elizabeth April 16 for a two-months tour of Europe.

While abroad, Mr. Diehl will study recent contemporary church architecture and ecclesiastical art. His firm specializes in church and institutional buildings.

He will also spend some time in Florence, Italy, where the stained glass windows for his firm’s new St. Colomba Cathedral at Youngstown, Ohio are being executed.

Emily Butterfield

Miss Emily Helen Butterfield, Architect, 73, died at her home in Algonac on March 12.

Miss Butterfield graduated in architecture from Syracuse University in 1907 and became associated with her father, the late Wells D. Butterfield, Architect. She was the first woman architect to become registered in Michigan. Practicing in Detroit, Pontiac and Farmington, she designed 26 Methodist churches, many residences and two Highland Park high schools.

She was founder of the national collegiate sorority, Alpha Gamma Delta, and was one of the founders of the Detroit Business and Professional Women’s Club.

Gifted in writing as well as in architecture, she was author of a book on heraldry, and the “Young People’s Story of Architecture.” In her early teens, she met Detroit artists, through her father, and thus became associated with the most important names in the early days of Detroit’s art colony—William B. Coney, Percy Ives, Robert Hopkins and others. Her water colors were exhibited in museums of Detroit, Pontiac and Toledo.

She had been a member of The American Institute of Architects, its Detroit Chapter and the Michigan Society of Architects.

Two brothers are the only survivors.

Carl Baumann

Carl L. Baumann, architect, 61, died suddenly March 21, while driving his car in Royal Oak.

A native of St. Clair, Mich., Mr. Baumann graduated from the University of Michigan in 1916. He became registered to practice architecture in Michigan, by examination, in 1920.

He had been employed by The Detroit Edison Company, Albert Kahn Associated Architects and Engineers, Inc., and Giffels & Vallet, Inc., L. Rossetti, Associated Engineers and Architects.

Mr. Baumann was active in Zion Lodge, F & AM, Detroit Consistory, and Zion Lutheran Church.

His wife, Magdalene survives. The family home is at 14781 Tacoma Ave., Detroit.
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statement of an architect-visitor to the recent AIA Convention in Detroit

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THE COLLEGE OF ARCHITECTURE AND DESIGN at The University of Michigan will be "on exhibit" Friday and Saturday, May 9 and 10.

Open house will be sponsored by the students, faculty members and administrators of the College for the purpose of acquainting the University, the community, and state with the work being done in architecture and design at the U-M.

The event is also planned to give students and faculty members an opportunity to learn what is being done in other departments of the College, such as architecture, city planning, landscape architecture, ceramics, advertising design and painting.

Program for the weekend will include demonstrations of pottery-making and other skills, exhibits of various classes' projects, and lectures. Ceramics, paintings and other students' art works will be on sale.

Students have begun a beard-growing contest for the weekend, with the prize going to the most artistic beard. A dance called "Uni-strut" or "Bwing Your Own Wench" will be held on the grounds adjoining the College.

WILLIAM THOMAS BLANN, of 19575 Beverly Road, Birmingham, Michigan, has become a member of the American Institute of Architects, and assigned to its Detroit Chapter, Gerald G. Diehl, chapter president, announced.

Blann, a native of St. Paul, Minnesota, received his professional education at the University of Illinois. Since 1940 he has been employed in offices of Detroit area architects and is presently employed as senior architect-engineer with the Chrysler Corporation.

WANTED — Two Architects. Preferably architectural graduates, registered, members of The A.I.A., not over 40. 8 to 10 years experience — one in residential, one in commercial and industrial. Duties: handling all our relations with architects — preparation of literature, specific problems of architects in the field, talks to groups, serving on joint committees, etc. — GEORGE PARISH, Portland Cement Association, 33 W. Grand Ave., Chicago 10, Ill. SUperior 7-9660.
Architect Alvin E. Harley, F.A.I.A., will celebrate his 50th year in his own architectural firm this spring. Two recent buildings designed and engineered by his firm are shown below.

50-Year Practice Keeps This Executive Young


"Enjoy what you’re doing ... and keep in step with the times."

Architect Alvin Harley, F.A.I.A., considers this his recipe for staying young. It’s effective. This spring the handsome, white-haired, ruddy-cheeked executive of Harley, Ellington & Day, Inc., will celebrate an anniversary—50 years in his own architectural firm.

When Harley opened his office in 1908, he did French and English mansions in Grosse Pointe and Palmer Woods. ("Residences are fun, but they’re a personal kind of work," he says.) Today—with 20,000 square feet of office space—his firm is responsible for churches, schools, jails, banks, industrial buildings and civic centers, scattered around the world. Latest accomplishment abroad is a brewery in Italy.

Locally the firm has left its recent signature on such in-the-news buildings as the City-County Building and the Veterans Memorial. Harley doesn’t call their style “modern.” They’re "in step with the spirit of the times."

"We’re in the throes of tremendous change," he says. "It takes centuries to develop a style such as Romanesque or Gothic, and a lot of poor stuff is produced before it becomes a good period of architecture. Today’s ‘modern’ may look as old as Methuselah in 10 years. It’s the use of new materials that influences our thinking today."

Yet, Harley’s firm has just completed a French Gothic mausoleum in Chicago. Currently on the agenda are such divergent projects as the State office building in Washington, D.C.—a single structure covering four square blocks—and Dearborn’s Civic Center, in which a lake will run under the City Hall.
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May '58 Monthly Bull
AIR CONDITIONING SCHOOLS IN MICHIGAN

By C. W. TRAMBAUER—AMERICAN AIR FILTER CO.

A high degree of curricular proficiency depends upon a great number of many varied factors not the least of which is human comfort and a feeling of well being. Ideal thermal environments are created by the perfect blending of the following components in their proper proportions. (1) We need some of them all of the time and all of them some of the time... heating, cooling, ventilation, humidity and air circulation. Of these, perhaps cooling is the least understood by many of us and too hastily judged unnecessary for schools in the cooler states such as Michigan. If we take the word of the experts that whenever outside temperature is above 60 degrees mechanical cooling is necessary, we must re-appraise our position and opinions. We do indeed enjoy many of these days (over 60°) in Michigan starting in May and ending in October.

If we are to abandon our assumed position, however, we must also come to grips with the other contention on which our overall position is founded. Popular opinion has it that we do not hold school during the summer months and we will never have year around schooling. Perhaps this is true, as far as it goes, but it doesn’t go far enough. You will pass any summer night that are dark. The majority of them are fully or partially occupied all of the time. Some are busy with summer classes, others with adult education, and some with other extra-curricular activities. Incidentally, it is common knowledge that summer classes of any kind are "really tough" and it would therefore seem twice as important that the thermal environments be as close to ideal for learning as humanly possible.

Now we might feel fairly convinced that air conditioning is indeed desirable but we can’t afford it, so we might as well fall back into our comfortable lethargy and promptly forget the whole thing. Those of us, however, who are not willing to drop the subject without at least investigating a little further will be rewarded by coming across a very worthy compromise solution which would at least give us "air conditioning any time in the future" by the judicious use of a very few dollars now. I believe you will agree that such a possibility is certainly worthy of serious consideration. The solution proposed is particularly attractive for many schools now installing Draft/Stop unit ventilator systems. By the simple expedient of using the Hermal-Cool system instead of a conventional one, three choices are immediately at your command.

(1) Air conditioning of classrooms and offices at once if the money happens to be available. (2) Perhaps the most desirable alternative is that the cooling feature can be added any time in the future, when the school may otherwise become the youngest old-fashioned school in the area. This can be accomplished by simply installing a chiller in the boiler room without disturbing any-

one or anything construction-wise. (3) It can remain in the finest unit ventilator system ever devised for the life of the school. Probably the most outstanding feature of this system is that it utilizes free outdoor air for cooling right up to the maximum point at which this can be physically accomplished. Full time air conditioning systems are not and do not function in this manner and are therefore much more expensive to operate and maintain.

School administrators and architects bear the heavy responsibility of allocating the funds that are made available and are accustomed to unjust criticism from many sides no matter what they label important functionally in the construction of a new school.

However, with our ever improving standard of living, what was considered a luxury yesterday, is certainly considered reasonable today and will, in all probability, be a very definite must tomorrow. So the safest path would appear to be a compromise such as that proposed which would bridge the stages of development.

The architect that foresees the future most accurately is the prominent architect of tomorrow. Manufacturers of quality building products feel a responsibility to perform research to develop new products and to assist the architect in every other way possible to attain his goal. Only in that manner can we all hope to progress at an even faster pace in the future than we have enjoyed in the past.
The potential economies and aesthetic possibilities of structural steel as a construction material have been scarcely touched thus far, according to N. P. Hayes, president of the American Institute of Steel Construction.

Speaking at the Pinnacle Club, Socony Mobil Building, New York City, at a preview of a photographic exhibit for art museums, entitled “Structural Steel in Today’s Architecture,” Mr. Hayes said new research has shown that there can be a considerable saving in the amount of structural steel required for certain types of buildings. This will make a tremendous difference to the owners of buildings, the designers, the steel fabricators and the occupants.

Mr. Hayes pointed out that while steel has been used in buildings for a hundred years, only recently architects have begun to assign steel the dual role of structural and architectural element. Today exposed steel beams and columns share the job of supporting a building and at the same time add to its attractiveness, he said.

“While the ‘sidewalk superintendent’ may not know the difference,” he said, “the finished buildings will cost less, be even more beautiful, and will have more unencumbered, usable space. They will also show savings in design time and fabrication costs.

“Scientists are also finding ways to produce lightweight steels that will have greater tensile strength, resistance to corrosion and other desirable properties,” he stated. “A leading steel company is now doing research aimed at producing a structural steel that will be transparent enough to transmit light into buildings.”

The exhibit, sponsored jointly by the A.I.S.C. and the American Federation of Arts, is being circulated to art museums through the country. It was shown during March at the Grand Rapids Public Museum, Grand Rapids, Mich. Major emphasis is on the use of exposed structural steel in homes, churches, commercial, recreational and educational buildings. Designs of America’s leading contemporary architects are represented.

Thirty-six structures located across the country are included in the exhibit.

For complete information regarding scheduled showings of this exhibit write The American Federation of Arts, 1063 Fifth Ave., New York 26, N. Y.
A REMARKABLE AND REVOLUTIONARY new hardwood plywood product in a dozen species and finishes is currently arousing interest in today's paneling market. These fine hardwoods in Philippine Mahogany, Birch, Walnut, Oak, Ash, and Cherry in special moulded groove panels are sweeping the country.

Manufactured in Memphis, Tennessee with exclusive formula and license of the E. L. Bruce Company, famous for prefinished floors and wax products, the plywood comes in 4 x 8 and 4 x 10 panels. The paneling is prefinished with various separate operations and is trademarked under the name of PlyWelsh.

With a patented machine, 115 feet long, developed over a two and one-half year period at a cost of almost $250,000, PlyWelsh panels are burnished, V grooved, and by use of pressure brushes and infra-red heat, saturated with special resins and fillers. Then the surface is hardened while the finish is deeply penetrated into the wood. Thus a new surface substance—wed into the wood—is created and is super-hard and highly resistant. Also added is a protective hard wax coating.

Rugged abrasion tests by a national research laboratory have proved the deep penetrating PlyWelsh finish, under rigid controls, subjected to simulating conditions of continuous wear in the "wear test" machine, outlasted other finishes tested more than fourteen times.

A nationally independent research laboratory following the procedure set forth in the American Standards for testing material E-84-50T certified that prefinished PlyWelsh received a flame spread rating of 183 which was actually 17 points better than required by the city of Denver (for which it was specifically tested last May). This fact has encouraged many architects to specify PlyWelsh for their paneling jobs.

This packaged paneling in single or double V groove (moulded to give a rich special millwork look) is manufactured in twelve different species and finishes from rich and dark to modern and light including such national advertised trade names (House and Home, American Lumberman, AIA, Sweets Catalog) as Bella Rosa, Fruitwood, Manila, Bataan, Driftwood and Blond Ash, Antique and Rustic Birch, and various others.

Matching stains and mouldings are also available so that doors and trim can be blended with the paneling.

An architects manual is being prepared for distribution in early summer.

PlyWelsh is distributed exclusively in Michigan at the wholesale level by Byrne Plywood Company with warehouse and offices in Royal Oak, Mich.

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ADVERTISERS NOTE...
Forms for July Issue
Close June 1st
SATURDAY REVIEW reports this letter was originally written by a bricklayer in Barbados to the contractor for whom he worked:

"Respected Sir: When I got to the building, I found that the hurricane had knocked some bricks off the top, so I rigged up a beam with a pulley at the top of the building and hoisted up a couple of barrels of bricks. When I had fixed the building there was a lot of bricks left over. I hoisted the empty barrel back up again and secured the line at the bottom and then went up and filled the barrel with the extra bricks. Then I went to the bottom and cast off the line. Unfortunately, the barrel of bricks was heavier than I was and before I knew what was happening, the barrel started down, and jerked me off the ground.

"I decided to hang on, and half way up I met the barrel coming down and received a severe blow on the shoulder. I then continued to the top, banging my head against the beam and getting my fingers jammed in the pulleys. When the barrel hit the ground it bursted its bottom, allowing the bricks to spill out. I was now heavier than the barrel and so started down again at high speed. Half way down I met the barrel coming up and received severe injuries to my shins. When I hit the ground I landed up and received several painful cuts from the sharp edges. At this point I must have lost my presence of mind, because I let go the line. The barrel then came down, giving me another heavy blow on the head and putting me in the hospital.

"I respectfully request sick leave."

THE LATCH STRING, published by Tyler Ornamental Iron & Bronze, delights us with the following:

What we know of the Grasse River Railroad Corporation, of Conifer, N. Y., we have learned through a copy of its 1953 annual report, passed along by a friend. It is an eight-page document that is a delight from cover to cover. The railroad is about two miles long ("the world's smallest 100% diesel-operated railroad") and apparently exists to transport lumber for the Heywood-Wakefield Company. Without further ado, we present with pleasure several excerpts from the report.

"... Passenger traffic continued at customary levels, although volume was slightly lower than in the preceding year, i.e.—30c vs. 90c."

"... We experience no gratification in reporting that the outlook for business over the entire system is not promising. The frontier covered by the World's Smallest, 100% Diesel-Operated Railroad is now fully developed. In many sections it is abandoned by industry and population completely fed up with the pioneering spirit..."

"Many men at all levels cooperate in carrying out the principles of progressive railroading. Those at the top inventarily wind up the day, and the year, with a full-bloom headache."

"Grasse River's history is told in pictures—not many words. This is done that you may see for yourself the mighty and picturesque property which you own. One great Diesel, hurling its string of cars over the rusty strips of steel, is a sight that thrills the senses of most of us. Going off the track is a thrill too..."

"Enough to turn a security analyst's hair white, isn't it?"

AND THIS by Rep. Lester Johnson, in Rice Lake, Wis. Chronicletype: A door in a government building in Washington, D. C, is labeled: "4156; General Services Administration; Region 3; Public Buildings Service; Buildings Management Division; Utility Room; Custodial." What's behind the door? A broom closet.

WESTERNER, of Carmichael, California, says, of a PTA meeting: "The purpose of the luncheon was to thank Mrs. Wickham for her cooperation and for starting the year off right. She has resigned as president."

READER'S DIGEST reprints this from "All Things Considered" in the Milwaukee Journal:

"Fascinated by the way his wife's mind works, an uneasy husband we know has given us this example of what he has to be on guard against.

They have a 1957 car. A dealer has offered them $2000 for it toward a $3000 1958 model, leaving only $1000 to be paid for the new car. That also happens to be the same amount they still owe the finance company on their present car. The wife is convinced they can get the new car, clear of debt, without paying out one extra cent.

"It's simple," she has explained patiently to her husband, over and over again.

"We tell the man we accept the deal. He gives us $2000 and we give him our car. We go to the finance company and pay off our $1000 balance. Then we take the other $1000 to the dealer. He has our $2000 car and the $1000 in cash and we walk out with a new car. It hasn't cost us a cent. We don't even owe the finance company anything.

"Honestly, Harry, I don't understand why you keep looking at me like that."

SIGN ON A SELF-SERVE LAUNDRY: "Ladies, leave your clothes here and go out and have a good time."
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Architects
In The News

Arizona

ARIZONA ARCHITECT, the monthly publication of the Arizona Society of Architects, has expressed an interest in collecting 'doodling' or other 'arts' of architects.

Reg Manning, Arizona's Pulitzer Prize cartoonist, first called it to the attention of the editor, Phil Stitt, who he said he would like to see an exhibit of architects' water-colors.

"Early this year I learned that even the 'doodling' of architects can be interesting," Mr. Stitt reports and he adds: "following a Southern Arizona Chapter meeting a 'work of art' was found on a paper napkin. While it is thought to be the work of William Wilde, AIA, our art experts have not yet positively identified it as genuine Wilde. Anyway, it is enough to suggest that it would be fun to see the 'doodling pads' in AIA offices. If alert secretaries and draftsmen will collect them for us we might have an interesting feature in a future issue."

California

KENNETH M. NISHIMOTO, A.I.A., will lead a tour to Japan, leaving on October 9th. The group will travel during the most colorful season in that country.

The group will fly to Honolulu and Japan via the Japan Air Lines. Three weeks will be spent in Japan, visiting famous landmarks, architecturally famous structures and model Japanese gardens.

Tour membership is open to all architects, their families and friends. The tour will be managed by the Far East Travel Service. A descriptive folder is available from Mr. Nishimoto at 263 South Los Robles Avenue, Pasadena.

Illinois

GRAHAM, ANDERSON, PROBST & WHITE, Chicago architectural and engineering firm, is observing its 85th anniversary this year. It is as busy today planning for the future as it was not long after the Chicago fire of 1871.

The firm is a continuation of a partnership formed in 1873 by John W. Root and Daniel H. Burnham.

A few of the well-known buildings that the firm designed in Chicago's Loop District are the Merchandise Mart, Field, Kemper Insurance and the Wrigley buildings.

As with many of Chicago's big architectural firms, its operations long ago spread throughout the country and into other lands. Among the firm's current projects is the $50 million building in Washington for the state department, on which Harley, Ellington & Day, Inc., of Detroit collaborate.

Kansas

McCRACKIN, MILLER, HIETT, HOCKETT & DRONBERGER, is the new name of the merged architectural firm of English, Miller & Hockett and the firm of McCrackin, Hiett & Dronberger. The new firm's address is 925 North Main, Hutchinson.

Massachusetts

HENRY R. SHEPLEY, F.A.I.A., has been awarded the Gold Medal for Architecture of the National Institute of Arts and Letters. The Medal is conferred annually in each of two categories of literature and the arts.

Mr. Shepley is a senior partner in the firm of Shepley, Bullfinch, Richardson and Abbott of Boston.

CITY & REGIONAL PLANNING is the twentieth in the series of annual two-week special summer programs to be given during the 1958 summer session in the School of Architecture and Planning at the Massachusetts Institute of Technology, from July 21 through August 1.

During the two weeks of the program, seminars will be held each weekday morning and afternoon. Sessions will be held two evenings each week, and there will be an all-day field trip to significant developments in suburban Boston.

Seminar leadership will be provided by members of the faculty of the Dept. of City & Regional Planning and guest speakers. The planning seminars will be under the direction of Roland B. Greeley, Associate Professor of City & Regional Planning, Mass. Inst. of Tech., Cambridge, Mass.

New Jersey

Haining & Haining, architectural firm, has opened an additional office at 6 North Sixth St., Vineland, New Jersey. The firm's home offices are located at 5 South Virginia Ave., Atlantic City, New Jersey.

New York

D. KENNETH SARGENT, F.A.I.A., senior partner in the architectural firm of Sargent, Webster, Crenshaw and Foley, has been named director of the School of Architecture at Syracuse University. Mr. Sargent has been a member of the university faculty for 27 years.

JOHN B. CUMMINGS, A.I.A., was recently awarded a citation as the "outstanding young man of the year," by the Binghamton, N. Y., Junior Chamber of Commerce. Cummings is a director of the Central New York Chapter, A.I.A., and son of George Bain Cummings, F.A.I.A., immediate past president of the American Institute of Architects.

THE VANISHING POINT, is the new Monthly Bulletin being published by the Syracuse Society of Architects. Editor is Harley J. McKee, 701 Crawford Ave., Syracuse 10, N. Y.

Virginia

J. D. FORBES, editor of the Society of Architectural Historians Journal, was recently made a honorary member of the A.I.A., at a ceremony held in Washington, D. C.

Texas

HOUSTON CHAPTER of the Construction Specifications Institute was recently presented its charter by William Hawkins Barrows, A.I.A., chairman of the Membership Committee of the Institute.

R. Graham Jackson, of the architectural firm of Wirtz, Calhoun, Tungate & Jackson, is the president of the newly formed chapter.

In Memoriam

AUGUSTUS N. ALLEN, 54, in his home city of New York, N. Y., on March 25th.

WILLIAM L. CARNEAL, 76, in his home city of Richmond, Va., on Feb. 23rd.

CHESTER A. COLE, Sr., 76, in the Bronx, N. Y., on March 21st. Mr. Cole was a resident of Huntington, L. I., N. Y.

CHARLES H. DONEhower, A.I.A., 67, at his home in Westmont, N. J., on March 14th.

CHARLES KULP, A.I.A., 57, in his home city of Trenton, N. J., on Feb. 21st.

ESTES W. MANN, 63, A.I.A., in his home city of Memphis, Tenn., on Feb. 13th.

OTTO D. MOCK, 65, in his home city of Louisville, Ky., on Feb. 12th.

LOUIS NEEB, 68, former head of the Industrial Arts Department at Arizona State College, in Phoenix, Arizona, on Feb. 15th.

JAMES PAVLOVICH, 68, in his home city of Lake Forest, Ill., on Feb. 18th.

MAXIMILLIAN SCHNEIDER, A.I.A., 55, in Summit, N. J., on March 17th. Mr. Schneider was a resident of Springfield, N. J.

WILLIAM C. VLADeck, A.I.A., 44, at his home in Long Island City, N. Y., on March 20th.
FREDERIC P. WIEDERSUM ASSOCIATES, is now located in its own modern two-story building in Valley Stream (L. I.) New York designed for the exclusive use of its constantly growing organization.

"Our operations have expanded so rapidly in the past few years," according to Mr. Wiedersum, "that we finally had to undertake a project for ourselves in order to obtain the necessary satisfactory space for our design, engineering and construction personnel."

The new office building, 81' x 162', provides more than double the space previously utilized in the two Valley Stream offices, whose design and production facilities are now being combined under one roof. It includes executive offices, conference rooms, designing and drafting areas and general offices and accommodates a minimum of 150 employees. Generously set back it permits attractive landscaping and off-street parking for nearly 100 cars.

Wiedersum Associates has combined every consideration for the orderly and efficient handling of their operation in the planning, design and construction of their new office building, believed to be the largest structure ever designed and built expressly for the use of an architect-engineer.

The principals of the firm are Frederic P. Wiedersum, A.I.A. and his sons Norman J., A.I.A. and Frederic G. "Our new home is the product of the thinking and the experience of every member of our staff," Mr. Wiedersum pointed out, "and we are very proud of it." The firm also maintains offices in the New York Coliseum and in Clifton, N. J.
Executive Offices shown at right are finished in walnut wood panelling and broadloom carpeting.

Designing and Drafting Area shown on left.

Conference Room shown at right. A variety of materials, fixtures, finishes and furnishings have been incorporated so that the building may serve as both a proving ground and display case.