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personality

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People in the building industry are, by the nature of things, generally interested in growth, expansion, and such. Therefore the rapid growth of the nation's population in recent years, founded in part on the “baby boom” we have been experiencing has been a comforting thing to watch. But now, the “boom” in babies appears to be over. The statistical curve of the birth rate has been on the down-grade for several years now, with the present score standing at 93 births per year for every 1000 women of child-bearing age. The recent high in this very revealing statistical curve was 123, reached in 1957. A look at previous highs and lows shows fluctuations that generally follow the nation's economic condition, and show the fact that family sizes definitely react to this. In 1910 the score stood at 126, but slipped to 120 by 1921. Then began a rapid slide to 76 in 1935 at the worst of the depression. By 1950 postwar recovery had raised it again to 106. The “boom” reached its 1957 peak, and now appears to be over. If the birthrate should continue until 1980 at its present rate, the nation's population would be roughly 233 million — 24 million fewer than if it had continued until then at the 1957 rate. The “explosion” of the population is over—the slow, steady growth is not.

Although this slow-down is somewhat sobering, and will cause a relative decline in certain industries and business efforts — obstetricians, baby foods, pediatricians, toys, etc. — this certainly does not spell the decline of the nation nor suggest that architects should hang up their T-squares. Not only does the normal birthrate far outdistance the death rate, even though not by quite the margin of ten years ago, but the statistical bulge caused in the new-born ranks is still with us, and will be for another 50 to 75 years, by which time another bulge will very likely have come along. For this particular segment of the population, the emphasis on what it needs and wants will be shifted as its age level increases and its activities change. Already declining populations are being felt in maternity wards and kindergartens, suggesting that fewer of these need to be added even now. In the years ahead this will be true for elementary schools. Fewer new ones will be needed — not no more will be needed. But at the same time, the need for high schools will grow, and it will be many years before there will be any lessening of the need for more and more new college level facilities.

Then too, as the age level increases so will the need for the things the young family needs, beginning with housing. When the ten year olds of today marry and establish their own households, predictions are that they will tend to limit their family sizes (this is typical of people brought up in relatively large families, the reverse being true as well. The parents of children born in the 50's were themselves born in the low-income small families of the 1930's) and at the same time available money will increase. Wives will more often hold jobs and children will come later, giving the young family more time and more wherewithal to spend, better housing, more and better education for their children, and more free times for recreation.

This basic easing of population pressures will produce several beneficial side effects too. Communities will have more time, better leverage, and most likely greater financial resources to plan and prepare new facilities for a more gradual population growth.

Presently about one million new households are formed each year. There are 58 million households now, and it is estimated that this figure will grow to around 83 million by 1985. Michigan's portion of national statistics will remain around 4%, where it has been for the last 30 years. It grew from 3% in 1910 to 4% in 1945, and has hovered near there ever since. This would give Michigan nearly 11 million people and nearly 3.5 million households in 1985 against the present 8.5 million people and 2.5 million households. We will be busy indeed, providing for all these — so instead of hanging up the T-square, better we should each go out and buy an additional one. There will be a lot to build.

Statistics are from the U.S. Bureau of the Census and from studies by Dr. J. F. Thaden of the Institute for Community Development at Michigan State University.

David L. Williams, AIA
Editor
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Calendar

The cover this month is from the European Sketchbook of Elmer Manson of the Mid-Michigan Chapter.
Profile ...

Ralph W. Hammett, AIA

Those of us whose architectural training began at the University of Michigan some time during the last 35 years remember with fond nostalgia Professor Hammett's classes in the History of Architecture. We sat in that half-darkened auditorium while slide after slide appeared on the giant screen following precisely the order of the descriptive material on the "right hand page." We sketched the slide on the "left hand page" and listened to the cogent and vibrant words of a man whom even the greenest of freshmen could recognize as being an expert so profound that even thoughts of football, Christmas, or the J-Hop were forgotten.

Most of us will remember, too, delightful student open houses and coffees at that marvelous old house on Pontiac Road (Greek revival, 1842), being introduced to the charming Mrs. Hammett, whom we later learned to call Gladys, and feeling the genuine welcome into a world filled with a true understanding and appreciation of the meaning of the past. Ralph had found that old house in 1933 when it was a part of the estate of a Miss Mason who had died in 1926. Her father had bought it from the Beckley family whose ancestor, Rev. Guy Beckley built it. Rev. Beckley had been one of the foremost activists in the anti-slavery movement prior to the Civil War, and the house had been a station of the underground railroad. It was called the "Haunted house" when the Hammetts got it, by virtue of rumors of its past, its last occupant, who had been very old, very poor, and very ill, and because of its extremely dilapidated condition. Ralph had restored it with the authenticity of spirit that could only come with true, deep knowledge of the task at hand.

Today Ralph Hammett is retired from the University faculty, and he and Mrs. Hammett live in a house they built ten years ago in a decidedly non-historic design idiom. It is a small but comfortable place with a butterfly roof and all the features the present day offers to ease the task of housekeeping. It is set amidst lush landscaping on high ground on the south side of the Huron River just east of Ann Arbor, and commands a vast view to the north. At 71 he is as bouncy and enthusiastic as ever, and still conveys the same youthful delight with life that so typified his lectures and his associations with all who have ever known him. His familiar gleeful grin and sudden hearty laugh still interrupts what had otherwise appeared to be a solemn discussion of some fine point of architectural knowledge, and one is still made to feel as though he had always been Ralph's closest confidant.

He permitted me to interrupt him at home one afternoon recently, where he was framing pictures — some Chinese prints, and after just chatting a bit he began to talk of his past, his travels, and his satisfactions. There unfolded the story of a full and happy life that could not have been anything but thoroughly satisfying and meaningful.

A native of Minnesota, where he was born a little before the turn of the century, he studied architecture at the University of Minnesota and later at Harvard. Then came two years as a visiting Fellow at the American Academy in Rome. He taught architecture at the University of Washington in Seattle and at Armour Institute in Chicago (now Illinois Institute of Technology) and was chief designer in the Chicago office of Eric Hall before joining the University of Michigan architectural faculty as an associate professor in 1931. He was raised to full professorship in 1942. While with Hall he was loaned to the State of Illinois for whom he directed the renovation of the interior of Lincoln's tomb in Springfield. During his U of M years he became a member of many organizations, both academic and professional, received numerous awards, and served several times as a delegate or representative at professional gatherings, including the UIA congress in Lisbon in 1953. He was on leave of absence from 1943 to 1945, serving with the army. Among the awards and decorations are the Gold Medal of the Detroit Chapter (1936) and decoration by the Académie de France (1945), and among the organizations is, of course, the Society of Architectural Historians.

His practice, in the firm of Hammett and Pettys of Ann Arbor in recent years, has been one of quiet but high quality, centering on historic restorations, churches, and houses. Among the restorations were an old block of commercial property in the north part of Ann Arbor which turned out to be the oldest such building in Michigan (it has since been replaced with a new structure) and the 1838 house of the Glover family on Grosse Ile. This had been built when Grosse Ile was an upper class residential suburb of Detroit even though some miles down river. It now serves as the Rectory for St. James Episcopal Church.

During World War II he performed a valuable and quite unusual service for the nation and for western civilization. As a staff Captain with the Headquarters of the European Theater of Operations he commanded small units operating close behind the front battle lines assessing the condition immediately after combat of buildings counted by the local government as historic monuments. It seems that frequent claims were made that an ancient chateau or church had been damaged or destroyed through vandalism or misuse during its occupation by American troops rather than in a battle which raged about it before American occupation. If true, International Law would have held the United States responsible and the local government could claim damages against the United States. But if damage had resulted from actual hostilities the invader or subsequent

| MSA |
occupying army could not be held accountable. Obviously this juxtaposition of irreplaceable antiques, some of great historic note, and the endlessly affluent Uncle Sam was an open invitation for financial gain, whether justified or not. The on-the-spot analyses of existing conditions at the time of occupation, done accurately by Captain Hammett's group saved the United States millions of dollars. In addition, all major art collections of France, including that of the Louvre, were under his surveillance and protection until he released them for return to their home galleries as these became safe from wartime damage. For this work came Ralph's decoration by the Academie de France and his later elevation to the rank of Lt. Col. in the army reserve.

But Ralph Hammett's life was his teaching. He thoroughly enjoyed teaching and thoroughly enjoyed his associations with the students. His marvelous knowledge of his particular field was frequently reinforced by extensive travel into even the remotest parts of the world, and it is a source of great pride to him that of the many buildings he presented to his architectural history students, he had personally visited nearly every one, experiencing and knowing them. Many became old friends after several repeated visits. He always found time to sit down with a student and counsel him in an encouraging way, and follows with great interest the careers of former students. He has entertained many of the Architecture alumni during their visits to Ann Arbor, though in recent years this has had to be abandoned. He has left a great legacy at the corner of Monroe and Tappan Streets, and a pair of shoes that will be very difficult to fill. In the future, aside from yet more world-wide travel, he expects to write a good deal about the world's heritage of architecture, and thus leave to us at least some of his great fund of knowledge.

One the occasion of his retirement from active teaching in July of 1966, the Board of Regents of the University of Michigan directed a lengthy memoir to him. In part it reads:

"The architect RALPH WARNER HAMMETT concluded thirty-five years on the active faculty of the University when he entered upon his retirement on his seventieth birthday, the twenty-sixth of June . . .

... During his years in Ann Arbor, he further enhanced his stature as a private architect and professional and civic consultant, exerting a benign influence on the physical face of the inhabited land.

"Professor Hammett revealed a nicely balanced feeling for the changing aspects of architectural practice and for the permanent. He taught and wrote on the history of architecture and concerned himself with the preservation of past architectural monuments, while retaining a lively interest in the modern scene and sharing with his students his practical contemporary expertness. The Lutheran Church in America, of which he is a devoted member, fittingly appointed him to its Commission of Church Architecture. In purely professional societies, also, he became an honored leader . . . Despite the pressure of such external obligations and interests, Professor Hammett fulfilled his every faculty duty with unfailing efficiency and gave his time most generously to students seeking his individual counsel.

"The Regents of the University would now take respectful and grateful cognizance of his eminent abilities and devoted service. As they appoint him Professor Emeritus of Architecture, they wish him continued professional distinction and cordially extend to him the prerequisites of his new rank."

The Michigan Society of Architects, along with legions of his other friends, also salutes Ralph Hammett.
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G & R Named by Vickers
Vickers Division of Sperry Rand Corporation has announced the appointment of Giffels & Rossetti, Inc., as architect for its new plant in Omaha, Nebraska.
The new plant, to be located in the Clear Ridge Airport Section of Omaha, will provide approximately 300,000 sq. ft. of manufacturing and office space, according to Merrill A. Hayden, president.

"Construction of the new facility is evidence of our confidence in Omaha," he said. "It represents a continuation of the gradual growth which has characterized Vickers' operations in Omaha over the past two decades."

Current plans call for construction to begin in the spring of 1968, with a target date of June 1969 for occupancy and production start-up.
The new facility will incorporate the latest concepts in industrial design and materials handling systems, the company said.

Vickers has operated production facilities in Omaha since 1948. It is a leading supplier of hydraulic systems and components to the industrial, mobile, aerospace, and marine markets. The company's Omaha plant produces hydraulic pumps and valves for its Industrial and Mobile divisions.

Redstone Office Names Associate
The Board of Louis G. Redstone Associates, Inc. announces the appointment of George Zonars, AIA as a firm associate in the Department of Design and Planning.

Zonars, a native of Dayton, Ohio, attended Miami University, Oxford, Ohio, where he received a Bachelor of Architecture degree in 1952. Following two years of active duty as an officer in the U.S. Naval Reserve, Zonars attended Cranbrook Academy of Art, Bloomfield Hills, Michigan, and graduated with a Master of Architecture degree in 1956. Thereafter, he worked in a number of local architectural offices and also began teaching as a part-time lecturer and instructor in Architectural Design and History at Lawrence Institute of Technology.

In 1963, Zonars joined the staff of Louis G. Redstone Associates, Inc., and has since been involved in a number of important projects ranging in size from small structures to large scale planning projects. His experience includes regional and city planning, urban design, all aspects of building design and construction, as well as interior, graphic, and industrial design.
The firm is presently engaged in the development and construction of two major regional shopping centers and three major hi-rise structures in downtown Detroit, as well as projects in various stages of completion encompassing bank buildings, schools, libraries, dormitories and University facilities.

Metcalf Hosts August Huron Valley Chapter Meeting
The Huron Valley Chapter of the AIA held a most successful outdoor August meeting at the home of President Robert Metcalf. The group (at least 50) assembled at 6:30 P.M., for a picnic buffet and beer. The program consisted of a discussion on the problems of architectural practice in the Chapter area, with emphasis on the young practitioner. The discussion centered on fees, and supervision, with the old (!) pros offering sound advice to the youngsters. Support of the MSA fee schedule, with the exception of 15% for residential work, was voiced.

Mr. Gih-Djih Su, B. Arch. '30, (University of Michigan), a retired Hong Kong architect, an active alumnus and a frequent visitor to Ann Arbor, attended the meeting and participated in the discussion.

Harley, Ellington, Cowin and Stirton, Inc. Elects Stirton President, Cowin Chairman
Directors of the Detroit-based architectural and engineering firm of Harley, Ellington, Cowin and Stirton, Inc., have elected Malcolm R. Stirton, A.I.A., president. He succeeds Julian R. Cowin, A.I.A., who was elected chairman.

Stirton joined the firm as chief architectural designer in 1934 following a one-year Booth Fellowship tour of Europe. He has served as an officer and director for many years and was elected a vice president in 1946 and later executive vice president.

He is well known to Detroilers for his civic and community activities and as the architect in charge of many of the city's notable buildings, among
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them the City-County Building, Veteran Memorial, Rackham Educational Memorial, Detroit Bank & Trust Building, South Wing of the Detroit Institute of Arts and the North Wing, now under construction.

Stirton is a member, former officer and director of the Detroit Chapter of the American Institute of Architects and has been an officer and director of the Michigan Society of Architects. He has also served the chapter on various committees and is a member now of its Metropolitan Environment Committee.

He is a member of the Engineering Society of Detroit, the only architect on the Wayne County Planning Commission and serves on the Mayor's Advisory Committee of Grosse Pointe Farms.

He is president of the Detroit Executives Association and serves on the Master Plan Committee and District Improvement Committee of the Detroit Central Business District Association.

He is a member of the Greater Detroit Board of Commerce, the Economic Club of Detroit, the Founders Society of the Detroit Institute of Arts, and the Newcomen Society in North America. He also is a member of the Detroit Club, Detroit Athletic Club, Grosse Pointe Yacht Club and the University of Michigan Club of Grosse Pointe.

Cowin becomes the first person to fill the office of chairman of the board of directors of Harley, Ellington, Cowin and Stirton Inc. He joined the firm in 1936 after having been associated earlier with Alvin E. Harley, one of the founders.

Cowin is a member of the American Institute of Architects, the Michigan Society of Architects and is a member of the Detroit chapter's committee on relations with the construction industry. He is also a member of the Engineering Society of Detroit, the Michigan Association of the Professions and the Newcomen Society in North America.

He serves on committees of the Greater Detroit Board of Commerce and the Detroit Rotary Club, and is a trustee of the Iktinos Alumni Scholarship Fund of Alpha Rho Chi fraternity. He is chairman of the budget and finance committee of the First Presbyterian Church of Royal Oak and a member of the church's session and building committee. His memberships include the Detroit Club, Orchard Lake Country Club, Detroit Historical Society, Founders Society of the Detroit Institute of Arts and the Detroit Symphony Orchestra.

Other officers of Harley, Ellington, Cowin and Stirton Inc. who were re-elected are Fred M. Harley, vice president and treasurer; Paul B. Brown, vice president and secretary; Fred J. Hildebrandt, vice president and assistant treasurer; Benson J. Wood, vice president, and James E. Gibson, vice president.

Ben M. Wood Elected M.A.W.A. President

Ben M. Wood, President of the May & Wood Millwork Co., Detroit, Michigan Architectural Woodwork Association. The M. A. W. A. were largely responsible for recent legislation creating a Fire Safety Appeals Board which has been instrumental in alleviating misconceptions involving the use of wood in commercial and institutional buildings in the state of Michigan.

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### Wyandotte (Area Code 313)
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*Editor's Note: Please advise the Monthly Bulletin office of any corrections or additions to this Roster.*

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The Roofing Industry Promotion Fund has established a Roofing Advisory Council to assist architects, owners and the general public in avoiding possible moisture protection problems.

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Handicapped Law
Act No. 1, Public acts of 1966 has been adopted by the State Legislature, and is now effective, and enforceable. This is the Law which requires certain provisions to be made for handicapped persons in all buildings in the State to which the public has access, and in which public money is used for construction. It is as binding as any building code or fire marshall requirement.

Notice of the provisions of this law has previously been sent by the State Building Division to nearly all architects in Michigan, and a booklet will soon be distributed to all architects doing business in the State covering the Law and describing and explaining its requirements. Hereafter, architects will be required to comply in all respects and will be expected to submit preliminary plans for all public buildings to the State Building Division for review and approval.

Reynolds Award
Nominations Open

The AIA announced the opening of nominations for the 1968 twelfth annual R. S. Reynolds Memorial Award for distinguished architecture with use of aluminum.

The largest award in architecture, the international Reynolds Award offers an honorarium of $25,000 and an original sculpture in aluminum. It is sponsored by Reynolds Metals Company in honor of its founder and is administered by the AIA.

Nominations may be submitted by architects or any other interested persons until February 1, 1968, by using a form included with an AIA brochure on the Award, or by writing to the Reynolds Award, The American Institute of Architects, 1735 New York Avenue, N.W., Washington, D.C. 20006. Data binders describing the entries must be received by time of the jury meeting March 20-21, 1968.

Brochures detailing criteria for the Award are being mailed to all members of the Institute and to foreign architectural societies.

McCafferty Joins Giffels & Rossetti
Charles T. McCafferty, formerly principal planner in charge of design of the Detroit City Planning Commission, has joined Giffels & Rossetti, Inc.

With the Commission for eight years, he participated in a number of major projects, including the Detroit River Front Study, the Inner City Ur-
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The carpenter took a slender willow wand from the pile at his feet. He swiftly wove the flexible wood between the upright cedar posts. He then pounded the new pieces tightly against the hundreds of others which made up the wall of the house and trimmed the ends to lie close. In a few days, a layer of plaster would be applied to complete the construction of the wall. He was proud of his work as he hitched up his knee breeches, straightened his tri-cornered hat and selected another willow wand.

1750? No, 1967. The workman was reconstructing an 18th century French Trader’s House at Fort Michilimackinac. The contrast between the rude log houses which surrounded him and the clean, crisp lines of the mighty Mackinac Bridge only a few hundred yards away was startling. Within the 18 foot palisade, the carpenter was helping to create a bit of living history for the thousands of visitors who came to Fort Michilimackinac each year.

Nine miles away, at Fort Mackinac, on Mackinac Island, an architect was crawling through the dusty attic of a building erected before the War of 1812. He was searching for structural damage to one of Michigan’s and the nation’s most historic buildings. His work was part of a long-range program to preserve and restore these historic resources. He represented the Historic Projects Division of Frank and Stein Associates Incorporated of Lansing, Michigan.

Although Frank and Stein Associates is one of the younger firms in the state, their experience in historic development dates from 1958, when the program of restoration of the Forts of Mackinac began. Richard Frank, AIA, and Victor Hogg had worked together as independent consultants to the Mackinac Island State Park Commission. Mr. Frank in the architectural aspects and Mr. Hogg in the interpretation of the forts. In 1962, Mr. Frank joined with Mr. Morris Stein, PE., in forming the present architectural and engineering firm.

In 1965, Victor Hogg, who for eighteen years had worked in the museum field as an exhibit and interpretive spe-
ciultst, proposed that they join forces to offer comprehensive services in historic development to the growing number of communities who were beginning to recognize that their heritage was disappearing. These communities wanted to preserve their historic resources, to make them more meaningful to their children and to the visitors who contributed to their economy, but they did not know how. Frank and Stein Associates decided to establish a service which would meet their needs. The first step toward offering the multitude of special services they envisioned was the establishment of a code of ethics for themselves. The basic element of which was that they would accept only those clients who would assume the responsibilities of accurate and authentic restoration and reconstruction. They believed that historic resources do not belong to the individuals or organizations who happen to own or to administrate them. Adequate and competent research is essential to accurate recreation of the past and the quality of that research must be acceptable to the professional historians and archeologists who would otherwise be the severest critics. In order to supply these varied services, Frank and Stein Associates work with numerous consultants ranging from large corporations to the dedicated amateur historian who knows more about his narrow field of specialization than anyone else. Only through this system, can they offer the competencies which are required in such a wide-ranging field, whether it be a reconstruction of an Erie Canal boat or the analysis of artifacts excavated from an historic site.

The services offered by the firm have expanded with experience. Currently they are working on the planning of historic complexes in Sault Ste. Marie, Michigan, Fort Wayne, Indiana, Rome, New York, Portage, Wisconsin, 

The American Fur Company Building in Sault Ste. Marie is one of the many historic structures to be preserved under a proposed program to develop the area's historic resources. The building, situated near the modern railroad which transported boats around the Falls of St. Mary, still stands in its original location.
The office of Frank & Stein, Architect and Engineer was opened in 1962 with Richard C. Frank, Architect and Morris I. Stein, Engineer. Today the firm has grown to 26 and with its growth, has gained a national reputation in the field of architectural restoration, reconstruction and replication offering total service in all areas of research and development. Shown left to right are: Mr. Frank, Mr. Stein and Victor H. Hogg.

Prairie du Chein, Wisconsin and continue their work at the Forts of Mackinac. Although all of these sites include the restoration or reconstruction of one or more forts, this by no means should indicate that their work is limited to military sites. Examples of the variety of projects they are working on: Reconstruction of several miles of the grand Erie Canal with operating horse-drawn canal boats and a replicated canal town for the Historic Rome Development in New York. Restoration of the historic waterfront street, the design of a monorail system and the conversion of a freighter into a marine museum figure in plans for Sault Ste. Marie.

It is a contention of the firm that the finest restoration is meaningless unless it is interpreted to the visitor. Therefore, the design of exhibits and the use of the many new techniques for interpretation which make the past come alive in the mind of the visitor, are an important service of the firm. The man weaving the wall may serve as an example: To those visitors who watched him at work, the past has real meaning. A chicken or a pig wandering in a restored fort can be more meaningful than a room full of exhibits and can supply some of the sounds and smells which lend an atmosphere of realism to what otherwise could be a dull representation of fact.

The firm proposes programs for the conduct of historical and archeological programs and assists communities in securing cooperative arrangements with universities which result in meaningful, academically oriented research. The results of this work are made available to other scholars.

In many cases, the firm assists the community in exploring the avenues where they might secure funds which permit the development to become a reality. They give advice on organization, zoning and prepare economic studies as a basis for bond issuance. One of their most important functions is to integrate the research of historians and archeologists through analyz-

A two block section of this historic street, as it appeared in 1850, is one of the elements in a proposed program to restore and develop the waterfront at Sault Ste. Marie. An elevated monorail, transporting visitors from one historic site to another offers dramatic views of the restored structures.
Mr. Frank (on the right) and Mr. Hogg examine a paint en-crusted modillion which will be used in the restoration of a Greek revival house in Grosse Pointe.

View on the Miami Canal, about 1842, somewhere between Dayton and Cincinnati, Ohio.

Packet boat on the Ohio and Erie Canal, during the 1880's.

ation of the data recovered and the application of knowledge of historical construction techniques and materials to fill the gaps in knowledge which always become apparent.

Some of the research which is undertaken in order to achieve accuracy has all the elements of a detective story. In one case clues, over 110 years old, led to the determination of construction details of Old Fort Wayne. A small, varnish encrusted painting in the Allen County Museum was said to represent the “old blockhouse” of Fort Wayne. The style was primitive but the composition was such that it could only have been painted from a photograph. The last building in the fort had been demolished in 1852. Could a photo have been made that early and, if so, could it still exist? A search of dusty files in the attic revealed a small metal plate with a faint image on the surface. Modern photographic techniques were called into play and the plate was rephotographed to reveal that it was a daguerreotype of the same building, the people were wearing the same clothes as the ones in the painting. There was one difference, this plate had been exposed a short time before the one from which the painting had been copied. Now, a further question was raised, the building in the photograph could not be the building it was said to represent. The original Officers’ Quarters had had its north end removed when a canal was cut through the old fort grounds. What would have to be the north end of the building in the photo was in its original condition. This bothered the researchers for several days until someone said, “Of course, a daguerreotype gives a reversed image, flip the negative and this becomes the south end. Then everything fits.”

The greatest thrill, however, is when a structural detail is missing and must be determined by logical reasoning, by saying, “If I were the builder, what would I do?” Then, after the building has been erected, to have a drawing or a photograph discovered which reveals that the assumptions made were correct.

The structure and practices of an architectural and engineering firm have proven ideal for the conduct of such work, but new techniques and methods must be developed to meet the demand. For instance, the replication of historic techniques of construction must be drawn and specified in such a manner that modern construction techniques can produce accurate replicas. Where modern techniques are not practical, specifications or training sessions for contractors are held to train the workmen in the use of an adze or a broad-axe. Recently the architect’s entire office staff assembled in the back yard of one of the members. They had with them a number of ancient tools, borrowed from a museum, and a pile of
logs. Through a long, hot afternoon, they swung axes and mallets as they hewed square timbers from round logs and split cedar shingles with a froe. It was felt that unless the draftsmen and the specifications writers understand the problems and techniques of "axe architecture", they cannot adequately present, in drawings and words, the effect desired in the final product.

The work of the Historic Projects Division is not entirely concerned with forts, town museums and major complexes. Individual houses and buildings of historic importance play a part in keeping the staff busy. Nor are all the structures the Historic Division works with old in years or in style. Visitor centers, museums, bridges, offices, etc. are generally contemporary in design and quite functional for their highly specialized use.

Construction is underway at the Forts of Mackinac and work will be in progress next summer at Rome, New York and Fort Wayne, Indiana. If you are in the area, put on your tri-cornered hat, stop in and watch history come alive.

1. Old Fort Wayne was built in 1817 by Major John Whistler, "Whistler's grandfather". The sturdy log walls were, not designed to defend against cannon fire, but rather against the muskets and arrows of the Indians. For instance, the shingled roofs sloped inward to make it more difficult to set fire to the fort. Built of white oak logs, the buildings were enclosed by a 12 foot palisade of square, hewn pickets. The last building was dismantled in 1852.

2. The brick bake oven at Fort Wayne will be reconstructed and used to produce tasty loaves of hot bread to whet the appetite of the thousands of tourists who will come to visit the fort. These visitors contribute, not only to the success of the fort, but to the general economy of the city.

3. The Soldiers' Barracks in Old Fort Wayne served as the main gate to the fort. In a few years this parade ground will again ring to the sound of uniformed soldiers' marching feet. Even chickens will contribute to the feeling of the past, adding to the sights, sounds and smells which create the "living past".

4. The main street of Fort Wayne in 1817 was typical of towns which sprung up in the vicinity of early forts. Work will begin to recreate the town in 1968. Details such as the well sweep, have been authenticated and play a part in the accurate reconstruction of the early city.
continued from page 14

ban Design Study and the proposed plan for the Detroit Cultural Center.
His current assignment with G&R are the "RECAP" project for the city of Grand Rapids (a religious, educational and cultural area plan), and programming and design of a new campus for the University of the Americas in Puebla, Mexico.
McCafferty received the degree of Bachelor of Architecture from the University of Notre Dame, and a Masters Degree in Urban Planning from Wayne State University.

He is both a registered architect and city planner. His affiliations include the American Institute of Architects, the American Society of Planning Officials and an associate membership with the American Institute of Planners.

MSU Offers
B. of Landscape Architecture
A new degree program for landscape architects, designed to help relieve the short supply of trained personnel in this profession, will be offered at Michigan State University beginning this fall.
According to Dr. Myles G. Boylan, director of MSU's School of Urban Planning and Landscape Architecture, there is unprecedented demand today for professionals involved in the design of outdoor space.
The new program provides an optional one-year supplement to the four-year bachelor of science degree program now offered in landscape architecture.

Students who enroll for the additional year will earn another degree — bachelor of landscape architecture — in addition to the B.S.
The fifth year will offer greater concentration on specifics such as urban design, climate and ecology, conservation of open space, and the use of computer techniques as they relate to the profession. Eventually, the five-year program will be a prerequisite for entry into the master's program.

MSU's program in landscape architecture is the oldest in the U.S.

Pastor Announces
Name Change
Nicholas Pastor announces his firm is now Nicholas Pastor and Associates, Inc., and the offices are located at 18610 West Eight Mile Road, Southfield, telephone 358-3883. Robert Showfer and Henry J. Tanana are associates in the firm.

AIA-AIAF Announce 47th
Annual Scholarship Program
The AIA announced the opening of the 47th annual scholarship program of the AIA and the AIA Foundation for students and professional architects. By November 1, application forms for students will be available from the deans of all accredited schools of architecture. Interns and professionals may apply directly to the AIA scholarship secretary at AIA headquarters in Washington.
The scholarships, ranging from $200 to $2,000 for students, $1,000 to $3,000 for post-graduates, totaled approximately $37,000 for 58 awardees in the 1967-68 program. In addition to AIA endowments, donors include Blumcraft of Pittsburgh, Desco International Association, Eaton Yale & Towne, Inc., Pittsburgh Plate Glass Foundation, and Syska and Hennessy, Inc. of New York.
Deadline for all submissions is November 30. The AIA scholarship committee meets in January, and awards based on scholarship and need — will be announced in the spring.
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Hilberry Appointed Vice-President of Birkerts

Gunnar Birkerts and Associates announce the appointment of John D. Hilberry, AIA, as Vice President of the firm and General Office Manager.

Hilberry, a graduate of the University of Michigan, where he received the 1958 George G. Booth Travelling Fellowship. Before joining the firm of Gunnar Birkerts and Associates, he was a senior designer at Smith, Hinchman and Grylls, and a designer at Minoru Yamasaki and Associates. He is a member of the American Institute of Architects and the Michigan Society of Architects.

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OBITUARIES

George R. Page

George R. Page, AIA, first member emeritus of the Mid-Michigan Chapter, passed away on August 18. Born in the South in 1890, Page spent most of his adult life in the Lansing area where he was highly respected as the finest type of a gentleman. He worked during the 1920's for the Chrisman Construction Company and later maintained his own practice for a number of years in East Lansing, designing a good deal of housing and several public buildings, including the administration building at the East Lansing post of the State Police.

During the early years of World War II he was with the Louis King-scott office in Kalamazoo where he worked with military and other war-oriented facilities. This included a large ordnance operation at Green River, Illinois. He joined the State Building Division in 1943 where he remained a key figure until his retirement in 1960 at the age of 70.

In his retirement years he was given emeritus status in the Mid-Michigan Chapter, and returned to his native south to live in Charlotte, North Carolina.

Paul Robson Marshall

Paul Robson Marshall, prominent and active in many Contractor Associations, died September 12, 1967. For three score years, he had been devoted to unselfish service to the architectural profession and the building industry of Michigan. We own him gratitude beyond measure.

Chairman of the Michigan Building Industry Banquet Committee ever since he led in its formation in 1937, he had also contributed notably to the success of the Michigan Society of Architects Annual Convention by first establishing its Products Exhibits.

From the beginning of the Society's Biddle House Restoration Committee, he served as its Executive Director. A Founder and Past President of the Producers' Council, Inc., Michigan Chapter, he was an Honorary Member of that organization.

As Vice President of the Builders & Traders Exchange of Detroit he made a valuable contribution, and in 1955 the Exchange cited him, "For His Noteworthy Service".

In recognition of his unfailing efforts on behalf of others, and for his many other noteworthy attributes the Michigan Society of Architects proudly awarded its Honorary Membership to Paul Robson Marshall.
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PICTURED: New Fashion Shop addition to Pontiac Mall; Charles N. Agree, Inc. Architects

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Robert L. Durham, FAIA

The Gala Birthday Party celebrating the 80th Anniversary of the founding of the Detroit Chapter, AIA, on the evening of Saturday, November 18, 1967, at the Statler Hilton Hotel, Detroit.

Robert L. Durham, FAIA, President of the American Institute of Architects, will be our honored guest.

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12300 Hamilton, Detroit, Mich. 48203
TO 8-9600

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48058. FE 3-7193

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TE 1-7820

GOSS MECHANICAL CONTRACTING CO.
Bruce Walker Derwin J. Walker
3490 Ludden St., Detroit, Mich. 48207
LO 7-6810

JOHN E. GREEN PLUMBING & HEATING CO., INC.
Edward J. Green Donald P. Green
48203. TO 8-2400

LORNE COMPANY, INC.
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48226. WO 2-0112

L. L. McCONACHIE CO.
D. L. McConachie H. S. Cornelius
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14901 MEYERS RD.
PHONE 273-4700
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1967

October 10
Annual Meeting, Detroit Chapter, Statler Hotel, 6:00 P.M.

November 12-18
80th Anniversary — Founding of Detroit Chapter, AIA.

1968

January 23, 1968
Anthony Adinolfi, guest speaker of Detroit Chapter—Engineering Society of Detroit.

March 13, 14, 15, 1968
54th Annual MSA Convention—Detroit.

June 24-28
AIA Convention, Portland, Oregon

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