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n Ending, There is A New Beginning

Architecture Minnesota, as the masthead indicates, is the official publication of the Minnesota Society American Institute of Architects (MSAIA). In this context, it is given policy direction by a committee, the Architecture Minnesota Committee, which reports to the Board of Directors of the MSAIA. The committee, as is the case in most professional organizations, consists of volunteer members and its composition varies from year to year.

As a new member of the MSAIA, I asked in the mid-'60s to be assigned to the Publications Committee which then monitored the publication of Northwest Architect. Northwest Architect was owned by both Bruce Publishing and the MSAIA. The magazine was then a trade publication intended solely for internal distribution. While the committee discussed details of publication, the actual production was done by Fred Miller of Bruce Publishing. After I became Chairman of the committee, Fred and I worked closely together. In those days, he was the magazine's archangel. I learned a great deal from him, from picas and paste-ups to signatures and silverprints. When the ownership of Bruce Publishing changed hands, Fred went with the new owners and I was formally appointed editor. This post, then, became my principal avocation in addition to my full-time architectural responsibilities.

A divergence of goals eventually led the MSAIA, in 1975, to assume full ownership of the magazine, renaming it Architecture Minnesota. Dom Communications became the publishers responsible for production and distribution, while the MSAIA, through the Architecture Minnesota Committee, remained responsible for the editorial material. In 1979, the MSAIA undertook publication of the magazine in-house and, for the first time, the magazine was assigned full time personnel in the Society's offices. Lisa Henricksen became Assistant Editor, Pamela Obando, Marketing Director, with James Cramer, Executive Director of MSAIA, as Publisher.

The growth and evolution of Architecture Minnesota coincided with an increased public interest in architecture and the built environment. The interest was furthered by the energy crisis and the emerging national prominence of Minnesota's architectural community.

Architecture Minnesota has now grown in readership and responsibility to the point where I believe it needs the stewardship of a full-time professional editor. It is in this spirit and also because of added professional commitments that I am resigning as editor.

New thinking in architectural design is beginning to articulate the possibilities of a regional architecture. This, as well as our continuing concern for the built environment, the conservation of natural and cultural resources, and housing, need to be reported more fully and regularly.

The new editor will vigorously and creatively pursue these and related matters. Thus it is not with regret that I relinquish this responsibility, but rather with anticipation that Architecture Minnesota will continue its growth and strengthen its position as the preeminent regional architectural publication in the country.

Over the years, the Architecture Minnesota Committee has attracted many of the most talented architects in the Society. I have enjoyed working with them and I am particularly indebted to the current Chairman, Edward A. Sovik, who for many years has given wise and patient guidance to the Committee.

—Bernard Jacob
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An exhibit of the work of architect Cass Gilbert, designer of the State Capitol, began a two year tour of the state in September at the University of Minnesota. Cass Gilbert: Minnesota Master Architect is a showing of more than 100 drawings, photographs and models assembled by Patricia Murphy for the University Gallery. Included in the exhibit are the many shingle style houses, churches, and commercial buildings Gilbert designed over a period of 27 years in Minnesota before he moved to New York. In New York, Gilbert designed the Woolworth Building, the U.S. Customs House, the initial design for the George Washington Bridge and the U.S. Supreme Court Building in Washington, D.C. The partial tour schedule is as follows: November 25-January 13, Anoka Ramsey Community College; January 13-February 17, (location undetermined); February 17-March 24, Monticello Public Schools; March 24-April 21, Hibbing Community College; April 21-May 26, Architecture Building (AIA Convention, Mpls. May 17-21.) Call the University Gallery for further information.

Two Scholarships have been announced for the 1981 Rotch Traveling Scholarship Competition. Applicants for the basic Scholarship (stipend $12,000 for 8 months of foreign travel with an additional payment of $1,000 upon return) and second Scholarship (stipend $6,500 for four months of foreign travel, with an additional payment of $500 upon return.) For information about applicant qualifications and an application form, send requests to this address: Norman C. Fletcher, Secretary/Rotch Travelling Scholarship/46 Brattle Street/Cambridge. Requests must be made in writing no later than Monday, January 12, 1981.

The new Women’s Correctional Facility for the State of Minnesota has been awarded to BWBR Architects, St. Paul, Minnesota, in association with Hellmuth, Obata & Kassabaum, Inc., St. Louis, Missouri. The structure will replace the existing Minnesota Women’s Correctional Facility in Shakopee, Minnesota, and will house 90-110 women. In addition to living units, the building will provide space for recreational, educational and industrial programs as well as administrative offices. A report will go to the Legislature in February, 1981, and construction will begin pending approval and appropriation of funds.

Richard W. Anderson, Inc. (ADI) has begun construction on a $4.7 million office building adjoining Crosstown Lake in Eden Prairie. Crosstown Lake Office Building II, the most recent addition to ADI’s City West Office Park, will be situated on a 5 1/2 acre, wooded tract. Knutson Construction began site development for ADI on October 20, 1980 and the building, designed by Roberts Architects, is expected to be completed by April 1, 1981. The 78,000 square foot building will be constructed of structural concrete similar to that being used in the new Met-
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An Interview by James P. Cramer
with
Robert Hovelson,
Senior Vice President of Oxford Development Corporation

Jim Cramer: When did Oxford become involved in the Twin Cities area?

Robert Hovelson: The first formal involvement was in the summer of 1977, when we purchased two blocks of downtown Minneapolis office properties, the Baker block and the Northstar Center, from IDS Properties.

Cramer: What is your current level of involvement in this area?

Hovelson: We have the Town Square project in the downtown St. Paul area. It includes a Donaldson's Department store (which is about 120,000 square feet), another 110,000 square feet or so of retail space, and two office towers comprising a total of about 450,000 square feet of rental space. That is now open. Also in downtown St. Paul, we own the property that formerly housed Donaldson's, along with the parking garage that serviced it. We own the block adjacent to Town Square next to Dayton's between Seventh and Ninth Streets. That property has been cleared and is being used as a parking lot. Right now we're looking at plans for that. In Minneapolis, we own the North Star and Baker blocks and we are developing the City Center project. The total land area of the City Center project is about 275,000 square feet. It is split in two by the Nicollet Mall.

Cramer: What are your plans for the near future?

Hovelson: Well, Oxford is a development organization, so we will continue to seek opportunities in the Twin Cities and all over the United States. We like to do downtown urban redevelopments with mixed uses. We like the retail aspect of this.

Cramer: It would seem that most of your development projects are in center business districts.

Hovelson: Yes, almost without exception.

Cramer: Does Oxford's philosophy guide you to urban core areas?

Hovelson: It's not necessarily a philosophy, but we think that there is a definite need in the typical, mid-sized American cities for redevelopment activity in their downtowns. Opportunities exist in almost all of these cities. It takes a particular boldness and willingness to take risks, and also a belief in the future and workability of cities. For example, the opportunity has existed in St. Paul for at least 20 years. It's just that nobody grabbed it vigorously before. The same thing is true in downtown Minneapolis. Bold ideas are needed, as is the belief that you can redevelop a strong and viable retail activity in the downtown community and complement it with other uses, such as offices and hotels, and make the whole thing work. I think many cities present this opportunity and we are prepared to take advantage of this.

Cramer: What is your view of the future of the city? Will it be strengthened?

Hovelson: Well, I'm not sure that I'm much of a prophet. But in downtown Minneapolis, for example, we are seeing a renaissance of the central city. The development activity there is a result of the completion of the IDS Center in 1973. The housing activity in the Loring/Nicollet area certainly is significant in the evolution of the city, and I think...
it's very encouraging. I'm not sure that Minneapolis or other cities like it will ever accept housing throughout the core area and I'm not even sure that it's really necessary. But I do like to see the residential fiber returned to the downtown area because of what it does for the rest of the community.

Cramer: Will the Twin Cities be attractive to developers in the next ten years?

Hovelson: Well, I think so. There's lots of opportunity and strength here. We'll probably never reverse or totally eliminate the appeal of the suburbs. But I think that having a large number of available buildings in the central business district will provide opportunities for development and will keep both downtowns' areas strong.

Cramer: Do you have any serious plans for development in Duluth?

Hovelson: No, not at this time.

Cramer: Could you tell us about the size, scope and present stage of development of the City Center project in Minneapolis?

Hovelson: The project is developing in multiple phases. It consists of Block A – C which includes the Donaldson's department store (about 275,000 gross square feet); approximately 185,000 feet of retail shop space along Hennepin Avenue; a 1,100,000 square foot 50-story office tower; a parking garage for approximately 600 cars and a 600-room hotel which will be owned and constructed by the Amfac Hotels and Resorts of San Francisco.

Cramer: Have there been frustrations with the City Center project?

Hovelson: We are off schedule by about a year. Due largely to our naivete, we assumed that we could acquire the land faster than we actually did. The delay was caused by property owners who were objecting to the condemnation proceedings by the City of Minneapolis. There was a legal squirmish involving Scottie's restaurant that lasted about a year. The argument centered around the historic landmark status of the building. By the time that was settled we had used up the better part of a year.

Cramer: The decision to tear down the Radisson Trade Mart must have been very difficult. Why was that decision made?

Hovelson: For a number of complicated reasons. Originally, we had no intent to acquire the Trade Mart. But when the original tenant, the Northwest Salesmen's Association, decided that they would be better served in the Hyatt-Regency complex, the Trade Mart became available to us. As far as tearing it down, it was really only suitable for its original purpose, which no longer exists. We wanted to have a hotel in the project, but couldn't fit it in in any sensible way at that time. The decision was reluctantly made to remove the Trade Mart from the site to accommodate the hotel and to give us a better retail center. The objectives have been satisfied although the cost was quite significant.

Cramer: Approximately how much will the new hotel cost?

Hovelson: Well, that's a little bit out of my realm. Since we're talking about a 600-room hotel, I guess that it would be somewhere between 80 and 90 thousand dollars, including the furniture and fixtures for each room.

Cramer: What are the square footage construction costs for the City Center?

Hovelson: Well, it varies, but generally it's in the 50 dollar range.

Cramer: As a large developer, how important is design quality in architecture to the success of your projects?

Hovelson: It's very important to me personally, and I think that we are doing a very fine job. I trust that the community will receive it with equal enthusiasm. I certainly hope they will. Design issues are a constant struggle between the architect and the developer. Developers want to have profitable buildings. I think every architect wants to feel that he is making a lasting and important contribution. I don't blame them for that. In fact, I would think less of them if they didn't try to achieve that. But compromises are necessary too and some balancing must be made for what the market will bear. Both elements are important.
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Architecture Minnesota/Dec. 1980
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Joint Effort Produces Energy Efficient House Designs

Steve Edwins

A number of State architectural firms recently participated in the Energy Efficient Housing Demonstration Program sponsored by the Minnesota Housing Finance Agency. The program was developed to encourage the use of passive solar heating, super insulation and earth sheltering in residential designs suitable for the competitive speculative housing market.

Using the winning entries, 165 units were financed for actual construction. Eighty-five of them are located in the Twin Cities area (at a maximum price of $75,000) and the other 80 (at up to $65,000 per house) are in outstate cities. In order to qualify for financing, prospective buyers had to be first-time home buyers whose income fell within prescribed guidelines. Once they had been narrowed down this far, buyers were chosen at random, through a drawing. Twenty-six builders were selected following submission of detailed plans, energy use data and guaranteed construction costs by builder and design teams.

The winning entries were on display in late August at the Landmark Center in St. Paul. Builder displays can be found throughout the state. The program was developed by the MHFA, the Minnesota Energy Agency and Architectural Alliance, and includes a well-conceived and documented resource manual and submission forms. Criteria for selection were based on the use of combined effects of energy conservation construction techniques, passive solar design (including careful site orientation and earth sheltering considerations) and the ability to work within a fixed budget on available construction sites. The instruction book was a primer on energy conservation in Minnesota, worthy of review by designers, and it covered the important means for reducing heat that's lost through cracks, vents and building joints.
The winning designs were diverse enough to test popular ideas for saving energy, although most were typical of developer housing with energy conserving features. Undoubtedly, house design will undergo transformations as living space is aligned to the south and service areas buffer the north winds. Making solar houses into convenient, enjoyable spaces despite small budgets hasn't received much attention in the past, but this type of demonstration should encourage this new design orientation.

Information on house heating performance was not readily available to visitors at the Landmark Exhibition, but typical insulation standards were high, with most wall construction at around R-30 and roofs around R-50. Over half of the winners were designed by architects, and a number utilized direct thermal storage in walls or floors:

**Johnson, Sheldon & Sorenson Architects, Inc.** of St. Louis Park developed a three-story trombe wall design for Barthel Homes, Inc. in Rogers, Minnesota. A full two-story trombe wall design for CarCol Construction in Brainerd was designed by Rieke, Carroll, Muller Associates, Inc.

**Richard Burns Associates, Fargo,** developed a two-story corner sun space with trombe wall design for Eid-Co Builders in Moorhead.

Floor storage is the principal technique for all south-facing room plan by **John Skujins, Architect,** Minneapolis, for Luckie Construction Co., Bloomington, and for an all-passive house designed by **SMSQ Architects, Northfield,** for P & M Construction. These were similar in their total southerly room orientation and buffering to the north with garages. Sun-Meadow Townhomes by **Miller, Hanson, Westerbeck, Bell Architects** for developer Anderson-Jordahl in Moorhead also utilized direct floor heat storage in an efficiently packed townhouse scheme.

**Above:** Detached house, Eagan

**Architect:** Richard Schwartz/Nell Weber

**Opposite Page:**

**Sol-Air Townhome, Winona
Architect: Hurt Halweg**
A controversial technique is the envelope house, to be tried in Winona's Sol-Air Townhome development built by Baker Productions, Inc., LaCrosse, Wisconsin, and designed by Architect Hurt Halweg, Winona.


Steve Edwins, AIA, is an architect who works for the Northfield firm of Sovik Mathre Sathrum Quanbeck Architects. He also serves on the Architecture Minnesota Committee.

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1980 Honor Awards

Each year in August, the MSAIA selects its Honor Awards Winners. Upon arrival, the visiting jurors must organize themselves, establish their own criteria, review 100 projects, zero in on the most appropriate ones, visit as many as possible, lobby for personal favorites, and prepare their final decisions for a program two nights later. The logistics of this must somehow involve eating, sleeping, and the pervasive intellectual climate of architectural discussion.

The only variable is quality. Whether the selection process is demanding or easy is determined by the quality of the projects and the concern of the jury. At its best, the process can challenge, stimulate, and inspire us for the coming year.

The 1980 Honor Awards Program brought two highly respected architects, Harry Wolf and Eberhard Zeidler, together with noted author and critic Arthur Drexler. They provided a balance of thoughtful commentary and refreshing levity that enhanced the spirit of the program and marked them as a concerned, involved jury. They deliberated late into the final day before reaching their decisions. The projects they selected were the work of five firms whose work consistently wins local and national awards. The two firms that won multiple awards demonstrated impressive versatility.

We hope that one year, the jurors will give 100 awards to 100 projects. That is the only real goal of the Honor Awards program—to continually strive to raise the level of quality and understanding of architecture. Craig Rafferty, AIA Honor Awards Committee Chairman

Jury Members

Arthur Drexler is the Director of the Department of Architecture and Design at the Museum of Modern Art. Before joining the Museum in 1951, Mr. Drexler was associated with the office of George Nelson and was architectural editor of Interiors magazine. He was born in New York City and attended Cooper Union. (Not shown)

Harry C. Wolf, FAIA, heads the Architecture, Interior Design and Planning firm of Wolf Associates in North Carolina. He has lectured at several universities and served on numerous juries, including the National AIA. Mr. Wolf was educated at the Georgia Institute of Technology and Massachusetts Institute of Technology.

Eberhard Zeidler, Dipl. Ing., F.R.A.I.C., R.C.A., is a partner in the Canadian firm of Zeidler Roberts Partnership/Architects. A significant figure in the field of planning and Urban Design, Zeidler’s projects include the City of Toronto Central Area Plan; Woodroffe Community; St. Lawrence Market; and Harbour City. In addition to authoring a book on the planning of a health sciences centre, he has also lectured at the University of Toronto. Born in Germany, Zeidler was educated at the Bauhaus Weimar and T. H. Karlsruhe University.
Two bedroom unit

Living Room
Greenway Gables
Frederick Bentz/Milo Thompson & Associates, Inc.

The developer for this project was faced with providing 16 units per acre on this 2.6 acre site in the center of the Loring Park Development District. The city's master plan originally called for much lighter density, but due to unfavorable marketing and financing conditions, the developer was convinced that a lower density, more rapidly completed project (to generate repayment bonds) would be to the city's advantage.

The design of the 43 luxury townhouses consists of clusters of houses grouped around short extensions of the Loring Park Greenway, providing a strong sense of privacy and separate unit identification.

Automobile access occurs from the side opposite the public greenway through private cul-de-sacs connecting to the city streets. The houses are designed using 45 degree pitched roofs with many gabled forms articulating the individual units.

Jury Comments: One of the distinct virtues of this complex is its unmistakably residential character. A relatively high density is achieved while maintaining the townhouse scale, and the planning provides a nice gradation of spatial hierarchy. The linkages to the greenway are an appropriate gesture, and this project provides a bellwether for the development of this rehabilitation area.

Credits
Client: Fine Associates, Inc. Edina, Minnesota and B. W. and Leo Harris Company, Minneapolis, Minnesota
Architect: Frederick Bentz/Milo Thompson & Associates, Inc., Minneapolis
Structural Engineer: Fowler Hanley, Inc.
General Contractor: Kraus Anderson Building Company
Ramsey County Juvenile Service Center
The Leonard Parker Associates, Inc.
With A joint venture team of Parker Klein/Walker McGough

This is an adaptive reuse of a 50-year old county social services building to a downtown Saint Paul center for juvenile offenders. Although the building expresses its purpose and function, it does so subtly, creating a basically non-institutional impression.

Ramsey County Juvenile Service Center consists of three major, closely related components: a community resource center; juvenile courts and court services; and detention residence and support facilities. The existing building houses the community resource center and court facilities. The new addition houses detention living and its support functions. A skylight "zipper" connects the two buildings, forming a high ceiling entry hall. The entire building, including public lobby, can be secured during off-hours, yet the public has access to detention waiting on a 24-hour basis.

Jury Comments: A challenging opportunity to combine and rehabilitate an existing structure with additional new space is achieved in an appropriately straightforward manner, effectively addressing the urban site and admirably resolving the scale transition from the housing wing to the larger administrative spaces.

Credits
Client: Ramsey County Courthouse, Saint Paul, Minnesota
Mechanical & Electrical Consultants: Ericksen, Ellison & Associates
Structural Consultants: Walker, McGough, Flotz, Lyerla, Spokane
Acoustics Consultants: Bolt Beranek Newman
Interior Design: Wheeler-Hildebrandt Design Inc.
General Contractor: Knutson Construction Company
Photographer: Shin Koyama

28 Architecture Minnesota Dec. 1980
Science Museum of Minnesota
Hammel Green and Abrahamson, Inc.

Consideration for its urban context was one of the most important design requirements of the new Science Museum. Because it is the first project undertaken as part of a multi-use complex (comprising a medical office building, parking ramp and high-rise apartment), it was necessary that the architect consult with the other designers to establish unifying concepts and guidelines for the successful integration of all four structures. In addition to being part of this complex, it is also located across the street from the Saint Paul Arts and Sciences Center. Vibrant colors give life to the entrances and the theater form.

Three levels of open, flexible exhibit areas are large enough to accommodate the expanding space needs of the museum. These are visible from the open three story lobby. The Omnitheater, which has brought renewed activity to the area with its showings of 70-millimeter "space theater" extravaganzas like To Fly, Ocean and Atmos, is a circular dome within a partial cylinder. Although scientific exhibitions are the literal function of the museum, the motion of science on display is also translated into the design, from the exposed mechanical ductwork to the computerized equipment in the projection room, which is on view to people lining up for Omnitheater showings.

Jury Comments: This project deals with a number of difficult urban problems. The jury was pleased to find a science museum given a downtown site, rather than dismissed to suburbia. Second, the building massing is well related to the adjacent structures. The building is an integral part of a multi-use complex incorporating parking, commercial, residential, and medical offices. All of them share a retail galleria. The interior open spaces are interesting and lively and handle the movement of crowds well. The project is a result of an uncommon joint effort involving public, quasi-public, and private entities.

Credits
Client: Science Museum of Minnesota, Saint Paul, Minnesota
Architects/Engineers/Planners/Interior Designers: Hammel Green & Abrahamson, Inc., Saint Paul
Partner in Charge: Bruce Abrahamson, FAIA
Project Architect: Juan Stoleson, AIA
Director of Interiors: Kenneth A. LeDoux, AIA, ASID
Structural Engineers: Johnston/Stahlman
General Contractor: Bor-Son
Construction, Inc.
Consultants: Paul Marantz, Lighting; W. Michael Sullivan, Space Theater; Russell Johnson, Acoustics; Purcell & Noppe, Sound System

Lobby interior
The biggest problem with this pseudo-Gothic Catholic Church was that its interior plan lacked the sense of community necessary for worship. Built in the 1850s and located on a busy street in a designated historic district, the Church of Saint Peter also lacked exterior space for social encounter.

To improve the situation, it was necessary to reorganize the space by developing a gathering place for social encounter. To achieve this, the church entrance was reversed and the sanctuary was moved from the west to the north wall. The pews were organized in blocks around the sanctuary to allow for visual encounter among the congregation. In the new plan, the existing entrance is closed off and a new entrance is created as an exterior forecourt to the commons.

The commons provides space large enough for a narthex and baptism and related social functions. There is also one point of entry which offers better control to the rectory and unifies the buildings into one complex.

In the first phase of the renovation, the interior (walls and structure) was sandblasted, with the structure left natural and the walls painted a putty color. An effort was made to save the best of the old carvings and to reuse them as rich accents within the nave. The carved reredos wall and wainscoting were reused in the Eucharistic chapel as wall material. The tabernacle was constructed from the rich Gothic wood detailing and then gold leafed. The new altar is of rich green Lake Placid granite.

**Jury Comments:** The jury was struck by the results of an extensive interior renovation. The completed spaces are simple, serene and calm. The jury had some reservations in that the renovation removed all traces of an existing 1850's pseudo-Gothic interior. However, given the programmatic requirements of

**Credits**

**Client:** Church of Saint Peter, Saratoga Springs, New York  
**Architects:** Hammel Green & Abrahamson, Inc. and Frank Kacmarcik, Saint Paul  
**Design Team:** Theodore Butler, AIA; and Frank Kacmarcik  
**Structural Engineering:** Eckerlin, Klepper, Hahn & Hyatt  
**General Contractor:** Northern Dean Incorporated  
**Photography:** Theodore Butler & Curtis Green
Honeywell Plaza
Hammel Green and Abrahamson, Inc.

The Honeywell Corporation had outgrown its headquarters in an architectural hodge-podge of buildings, the oldest of which was built in 1912. The company wanted to expand upon the existing facility and to create a more contemporary image for themselves. Besides the materials and forms of the existing buildings, the architects had to consider the site, which includes a decaying residential area to the east and a major freeway leaving downtown just to the north. They also had to allow for further expansion of the "urban campus."

The resulting design is a series of stepped forms of brick and glass which recall the scale of the original buildings. Its composition is intended to look as attractive from the freeway as it does from the surrounding streets. A solar screen of dark grey glass in bronze anodized aluminum frames is attached to its west and south facades. This element is extended around the existing buildings to unify the entire complex. A landscaped public park ties together the disparate architectural elements and serves as the main entrance to the complex. Future expansion will continue around the park, using the forms and materials established there. Economic and durable concrete structures with masonry and glass surfaces recognize the old and unite them in a new expression.

Jury Comments: A complex of existing structures of varied ages and architectural virtues was combined with new buildings to produce a result of convincing coherence. Particularly notable was the choice of the simple and appropriate secondary architectural elements—sun shades, window frames, etc.—to visually unite the disparate architecture. This is an agreeable alternative to the more usual response of sheathing older buildings in a new dress. The industrial ethic of the heavy black steel brackets and other such recollections seems particularly appropriate in this case. The accidental massing of the existing structures is skillfully balanced by the new building, and the site landscaping is admirable.

Credits
Client: Honeywell Corporation, Minneapolis, Minnesota
Partner-in-Charge: Curtis Green, AIA
Project Designer: Richard Brownlee
Project Architect: C. Michael Neimeyer, AIA
Engineer, Ellerbe Associates, Inc.
General Contractor: Bor-Son Construction, Inc.
Landscape Architect: M. Paul Friedberg & Associates
Plaza West building
Piya Wiconi
THE Hodne/Stageberg PARTNERS, Inc.

Piya Wiconi is a dramatic image in the beautiful rolling hills of the Pine Ridge Reservation, just south of the South Dakota Bad Lands.

Piya Wiconi (a Sioux word meaning "rebirth and new life") was intended as a major architectural and spiritual statement encompassing the breadth of the Sioux life and religion. Planned to be the first facility of a new tribal village, the architecture of the complex uses the natural life forces of the earth in a symbolic and ritualistic geometry. The major axis (organization element) for Piya Wiconi is a water canal which is oriented towards the sacred "Indian east summer solstice sunrise." The structural grid of the building uses 16 points of the Indian teepee. The images of the building contrast greatly from north and south of the summer solstice axis. The graphic image on the south banner wall is of a reclining eagle with water pouring from the eye into the water canal, while the image of the north is a subtle recall of the natural buttes of that area. The two sides of the building differ greatly. It has even been observed, only half-jokingly, that the rather restrained and subtle north side was designed for the white man while the south-facing imagery was designed for the Indian.

Jury Comments: This building is beautifully sited and is treated as a sculptured form in the landscape, which in this case is appropriate. The imagery is apparently derived from tribal art and is an integral part of this strong, convincing architectural statement.

Client: Oglala Sioux Tribe, Pine Ridge Reservation, South Dakota
Architect: THE Hodne/Stageberg PARTNERS, Inc., Minneapolis
Structural Consultants: Bakke/Kopp/Ballou & McFarlin, Inc.
Mechanical/Electrical Consultants: Erickson, Ellison & Associates
General Contractor: Henry H. Hackett & Son
Photography: Norm McGrath
Ellerbe Associates' design for this aircraft maintenance facility proves that the budget and function of a building need not hopelessly restrict its design. This building's function is quite specific: to provide a place where C310 aircraft can be housed, washed, and repaired. Its low budget necessitated conventional building materials with low initial, maintenance, and life cycle costs. The resulting structure uses a circular box arch to closely encompass the minimum clearance envelope for the aircraft. It also provides satisfactory operation of the 16 foot wide major door and overhead tail door. A low mass was integrated with the main volume that houses the aircraft to provide office, tool storage and mechanical equipment space.

Overall, the facility has a clean, contemporary look that complements the surrounding structures, while maintaining its own distinct design integrity.

**Jury Comments:** An agreeably straightforward architectural response to a building requirement all too often left to the package builders or the engineers. The building elements—reduced to the essentials—are thoughtfully composed with the subtle introduction of color presenting a pleasing contrast to the usual milieu of ancillary airport buildings.

**Credits**

Contracting Officer Representative:  
Captain Lewis F. Wolf

Architect and Engineer: Ellerbe Associates, Inc., Bloomington

General Contractor: Adolfson and Peterson, Inc.

Photographer: Shin Koyama
Built just before 1900, Dahlgren Hall was an old drill hall located on the historic United States Naval Academy campus. Its outstanding characteristics—the architectural detailing and the generous open space—were to be retained in the renovation to a Midshipmen's Sports and Recreation Center.

The hall now accommodates a student center, sports center, a place for receiving guests, meeting rooms for clubs and organizations, food services, lockers, lounges and offices. In order to include all these elements without sacrificing the original design intent, the greatest share of the activities were located in the towers at either end of the building. The large area needed for receptions and restaurant was gained by extending the gallery a short distance into the arena. A portion of the restaurant seating is on a raised platform adjacent to the ice rink. The only modifications to the exterior (and most of the interior) were cleaning, repairs, and enhancement of the original design through the use of color, textures, and lighting. The addition to house the ice rink mechanical equipment and storage was built to match the heavily rusticated exterior.

**Jury Comments:** This handsome transplanted provincial French/Belgian train station now serves the academy as a sports and recreation center. The transformation is achieved at no expense to the charming original building. The architect and client are to be applauded for their gentle and thoughtful handling of the circumstances.

**Credits**

*Client:* Chesapeake Division of the Naval Facilities Engineering Command, Washington, D.C.

*Architect and Engineer:* Ellerbe Associates, Inc., Bloomington

*General Contractor:* Stauffer Construction Company, Inc.

*Photography:* Shin Koyama
Special Awards

Each year the Minnesota Society American Institute of Architects presents Special Awards to selected individuals or organizations who have distinguished themselves by their extraordinary contribution to the enhancement of the physical environment and the quality of life in the State of Minnesota.

The ideals of the architectural profession are often advanced by those outside the profession who by courage, determination, vision and dedication have shown a high level of sensitivity to the social and physical needs of the community.

In 1980 the following individuals and organizations were honored.

Donald J. Heffernan, Attorney
for selfless legal efforts to preserve our architectural heritage.

Shin Koyama, Photographer
for dedicated and continued excellence in architectural photography.

Mayor George Latimer
for exemplary civic leadership in the physical and energy revitalization of Saint Paul.
Assumptions go awry in city's home-loan plan

Scheming, dreaming of architects shown at 'City Segments'

One family's solution: Convert the duplex

John S. Myers, Educator
for his commitment to architectural education and to acknowledge his part in the success and reputation that the design program at the University of Minnesota School of Architecture has achieved.

The Minneapolis Tribune
Charles Bailey, Editor
for its continued and expanding efforts to increase public understanding and awareness of architecture and the built environment.
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OK, you're relaxed and drowsy and... it's April 1, 1989. News of the purchase of the Empire State Building by "GRIP", the Greater Riyadh Institute of Petroleum, has shocked you back to an altered reality. Prince Ali Smith will have the Empire State Building dismantled, with all due respect to its historic value, and shipped to the Arabian Desert where it will be re-erected. Read about it in Unbuilding, (9.95) a new tale of the future from David Macaulay. While you're buzzing around in the future, take a giant step back into the past for your kids' Christmas needs. A Day in the Zoo (8.95), a reproduction of a Victorian pop-up book, is sure to cause delight and excitement.

Since you've obviously lost track of time, you will need several calendars to steer you back onto the right track. The 1981 Designers Calendar Planner (4.95 or 5.95 in a tube ready for mailing), produced by MSAIA, highlights the dates of the 1981 AIA National Convention, to be held in the Twin Cities, and the 1981 dates for the MSAIA Convention in October. Intergraph Architects and Designers Diary 1981 (13.95) is guaranteed to keep you on time and organized for at least a year. Keep a pad of Calendar Planner Worksheets (5.95) by your desk for charting the progress of your project.

You must be exhausted from your travels. We suggest you try a Christmas bedtime story, Sun Moon Star (12.95) with illustrations first done by Ivan Chermayeff, and a text by Kurt Vonnegut which was added to the illustra-
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Fred G. Anderson, Inc., specialists in wall covering, fine fabric, and paint, recently moved into a spacious new headquarters building at 5825 Excelsior Blvd., Minneapolis. The new structure was designed with special attention to customer service needs, and houses all of the Fred G. Anderson corporate offices, contract division showrooms, complete warehousing and distribution facilities, and an exciting wallcovering and decorating studio. Anderson's design staff worked in conjunction with Rauenhorst Corporation architects and engineers to create the building. A new feature of the paint center is Auto Tint, a micro-processor-controlled colorant dispenser that enables custom color-mixing more easily, quickly, and accurately than before. Fred G. Anderson has three other retail stores in Roseville, Southtown, and 50th and Washburn in South Minneapolis. The new headquarters telephone: 612/927-1800.

With energy conservation an increasingly important issue, two new computerized systems developed by EMSI, Inc., are of special interest in industrial and institutional settings. The EM-800 has eight programmable channels that can be used to automatically control any given time the flow of power any number of energy-consuming devices located in various parts of a building. The EM-1000, developed for use in hotels by people in the hotel business, saves energy two ways. First, it enables the user to control the total energy consumed. Second, it cycles power demand from various energy sources so that peak demand levels are reduced. The system, centrally controlled from a keyboard and video screen, enables the user to override thermostat settings and turn off the flow of power to rooms for 7 1/2 to 15 minutes every hour. In addition to energy cost reduction of 20%-30%, the EM-1000 saves money because its signal sent by the building's existing electrical wiring system so that there is no additional wiring expense. For more information about the systems, contact: EMSI, Inc., 7417 Bush Lake Road, Minnetonka, MN 55435. Attention: Jerome Kasik, Howard Heine, Robert Swanson, (612) 831-5354.

With energy conservation an increasingly important issue, two new computerized systems developed by EMSI, Inc., are of special interest in industrial and institutional settings. The EM-800 has eight programmable channels that can be used to automatically control any given time the flow of power any number of energy-consuming devices located in various parts of a building. The EM-1000, developed for use in hotels by people in the hotel business, saves energy two ways. First, it enables the user to control the total energy consumed. Second, it cycles power demand from various energy sources so that peak demand levels are reduced. The system, centrally controlled from a keyboard and video screen, enables the user to override thermostat settings and turn off the flow of power to rooms for 7 1/2 to 15 minutes every hour. In addition to energy cost reduction of 20%-30%, the EM-1000 saves money because its signal sent by the building's existing electrical wiring system so that there is no additional wiring expense. For more information about the systems, contact: EMSI, Inc., 7417 Bush Lake Road, Minnetonka, MN 55435. Attention: Jerome Kasik, Howard Heine, Robert Swanson, (612) 831-5354.

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1980 Publisher's Design Awards

The second annual Publisher’s Design Awards Breakfast was held October 3rd at L’hôtel de France as part of the 46th Annual MSAIA Convention. The awards were presented to representatives of 15 companies and their ad agencies for their excellent advertising in Architecture Minnesota. A committee of architects judged and selected outstanding ads in various size categories on the basis of design excellence and product information. Edward Sovik, FAIA, Chairman of the Architecture Minnesota Committee, spoke to the group about the magazine’s growth and development and expressed the Society’s appreciation for the advertisers’ continued support of Architecture Minnesota. In addition, James Cramer, publisher, and Bernard Jacob, AIA, editor, presented a special award to St. Croix Press in appreciation for their excellent service and quality of printing. The 15 award winners are: Full Page, four color series- Kohler Company; full page, black and white series- Pella Products; full page, four color (Feb.) The J.B. Larson Associates; full page, four color (June) General Office Products Company; full page, four color (August) Photographic Specialties Inc.; full page, four color (October) Lowy Enterprises Inc.; full page, two color (August) Forms and Surfaces; full page, two color (October) Contemporary Design; ½ page, black & white (August) Snow-Larson Inc.; ½ page, two color (February) Bradford & Associates; ½ page, black & white (June) Landesign, Inc.; ½ page, black & white (October) Artsign Materials Inc.; ½ page, black & white (October) H.A. Rogers Company; ½ page, black & white (Dec. 79) Mills Gallery.

1980 Convention Exhibit Booth Awards

Fifteen awards were presented to the most outstanding exhibit booths at the 46th Annual MSAIA Convention and Upper Midwest Design Exhibition held at the Radisson South Hotel, Bloomington, MN. October 1-3, 1980. 144 companies displayed their products in 164 exhibit booths over the three day convention which was attended by architects, specifiers, interior designers, landscape architects, contractors, engineers and developers. A committee of architects judged and selected the booths on the basis of excellent design and effective product presentation. Bronze plaques with the convention theme, Design for the Decade, and engraved with the winner’s name, were awarded to the following companies: Empirehouse, Inc. (Best Exhibit); Architectural Surfaces (Best New Exhibit); General Office Products Company; Business Furniture, Inc.; Gen Smiley, Inc.; Hirshfield’s; Photographic Specialties, Inc.; Structural Wood Corporation; Minnesota Tile Supply; Vincent Brass & Aluminum; Snow-Larson, Inc.; Duratherm Window Corporation; Larsen Sign Systems; Artsign Materials, Inc.; Capau Ceilings, Division of Acoustiflex Corporation.
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Effective on and after July 1, 1980, retainage provisions of public contracts entered into by the State of Minnesota or any of its political subdivisions are amended as follows:

An amount not to exceed 5% of the value of the contract may be retained. Such retainage may be reduced or eliminated if work progresses satisfactorily.

Contractor may deposit certain securities with the public contracting agency, or in a bank or trust company, in lieu of cash retainage.

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