A WISCONSIN TRADITION OF
QUALITY FOR OVER 80 YEARS

Brick
Block
Pavers
Stone

THORO SYSTEM
PRODUCTS, INC.

W. R. MEADOWS
SEALIGHT

American
Olean
Tile

Sonneborn

AMERICAN
Tile

WISCONSIN
BRICK & BLOCK
CORPORATION

6399 NESBITT RD MADISON, WI 53719
(608) 845-8636

Light up your life.
Pella gives your imagination full rein. Let our window experts help bring your dreams to life.
We can show you one of the biggest selections of windows, doors, sunrooms and skylights anywhere.

Talk to the experts.

Verfaslen, Inc. The Pella Window Store

Green Bay Madison Mequon Milwaukee
Neenah Oshkosh Racine Wausau

Wisconsin architects specify Dover elevators over all others. The reason is very simple. QUALITY. Quality workmanship . . . and service. When your reputation is at stake, Dover is your choice.

• When you specify Dover, you can be assured that your elevator job is done right. We are right there with you from planning to installation. And we don’t stop there. We service what we sell. Northwestern has had more experience engineering and servicing elevator systems than any other elevator company in Wisconsin. • In your business, timing is everything. Our materials will arrive on site, on time, undamaged by outdoor storage. And all of your delivery needs are computer scheduled to integrate with contractors’ schedules. It’s there when you need it with no costly delays. • Your buildings are designed and constructed to stand the test of time. So are Dover elevators. Years from now when others have failed, Dover is still going strong. We have the quality you can stake your reputation on. The Dover decision won’t come back to haunt you. Quality lives on. For more information call or write.

A lot is riding on this decision.

NORTHEASTERN ELEVATOR CO., INC.
6070 North Flint Road, Milwaukee, WI 53209, (414) 228-1424
Offices throughout Wisconsin and Upper Michigan

DOVER
Wisconsin Society of Architects
American Institute of Architects
November 1989

Wisconsin Society of Architects Board of Directors:
Dennis L. Olson, AIA, President; Jay A. McLean, AIA, Vice President/President-Elect;
Richard W. Eschner, AIA, Secretary/Treasurer; H. James Gabriel, AIA, Past President; Daniel J. Becker, AIA; Kevin J. Connolly, AIA; Robert H. Grapentin, AIA; Erik A. Jensen, AIA; Douglas N. Kozel, AIA; James E. Larson, AIA; Robert H. Grapentin, AIA; Karen Newhouse (MSOE); Mark A. Pfister, FAIA; Ross T. Porter, AIA; E. Mitchell Spencer, AIA; Noble E. Rose, AIA; David Reel (UWM SARUP); Harry A. Schoener, AIA; Kevin B. Shuman (Associate); Modesto Tavarez, AIA; William M. Babcock, Executive Director.

Wisconsin Society of Architects/AIA: 321 South Hamilton Street, Madison, Wisconsin 53703; Telephone (608) 257-8477.

Wisconsin Architects Foundation Board of Directors:
Dean Carl Patton, AIA, President; David A. Gaarder, AIA, Secretary/Treasurer; Clarence Huettenrauch, AIA, FCSI; Robert L. Yarbro, AIA; Paul H. Graven, FAIA; John P. Jacoby, FAIA; Orville E. Arnold, Jack L. Fischer, AIA; Gary Zimmerman, AIA; William M. Babcock, Executive Director.

North Central Region AIA:
Robert C. Butcher, AIA, Director.

Southwest Wisconsin Chapter: Modesto Tavarez, AIA, President; Douglas N. Kozel, AIA, Vice President/President-Elect; Horst W. Lobe, AIA, Secretary/Treasurer.

Southeast Wisconsin Chapter: Daniel J. Becker, AIA, President; Kevin J. Connolly, AIA, Vice President/President-Elect; Lisa L. Kennedy-Kimla, AIA, Secretary/Treasurer.

Northwest Wisconsin Chapter: Richard D. Michael, AIA, President; E. Mitchell Spencer, AIA, Vice President/President-Elect; Tim Larson, AIA, Secretary/Treasurer.

Northeast Wisconsin Chapter: Erik A. Jensen, AIA, President; Robert H. Grapentin, AIA, Vice President/President-Elect; Erik D. Hansen, AIA, Secretary/Treasurer.

Wisconsin Architect, Inc., Board of Directors:
Dennis L. Olson, AIA; Jay A. McLean, AIA; H. James Gabriel, AIA; Richard W. Eschner, AIA.

Wisconsin Architect Editorial Board:
Peter J. Schuyler, AIA, Chairman; C. Levonne Laughinghouse, Robert C. Greenstreet; Douglas C. Rybn; Steve Quinn; William M. Babcock.

Magazine Staff
Editor
William Babcock
Coordinating Editor
Grace Stith
Advertising & Production Manager
Nancy Baxter

Features
18 Lego Fun 'n Draw Area
Martin P. Choren, AIA

Projects
9 St. Bernard Church Addition
Architects Group Limited
10 Marvin M. Schwan Library
The Durrent Group, Inc.
11 Robey Memorial Library
Schute-Larson Architects, Inc.
12 Waukesha Public Library
HSR Associates, Inc.
13 Bell Tower for First United Presbyterian Church
Somerville Associates, Inc.
14 Memorial United Church of Christ
Helmut Ajango—Architect
15 St. Andrew's Catholic Addition and Remodeling
R.C. Shutter, Inc.

Departments
7 Guidelines
21 Forum
22 Society News
26 Marketplace
26 Advertiser Index

Cover: Marvin M. Schwan Library
The Durrent Group, Inc.
Photographer: Eric Oxendorf

WISCONSIN ARCHITECT serves the construction industry in Wisconsin with circulation to Architects, Engineers, General Contractors, Business and Interior Designers, Landscape Architects, Certified Planners, Developers, Specifiers, Construction Managers, Builders, Manufacturers, Suppliers. Wisconsin Architect is the official publication of the Wisconsin Society of Architects/AIA, published by Wisconsin Architect, Inc. Address all editorial and advertising inquiries to: Editor, Wisconsin Architect, 321 S. Hamilton St., Madison, WI 53703; phone (608) 257-8477.

Wisconsin Society of Architects and the WSA disclaim liability for statements by the editors, contributors, and advertisers.

3 Wisconsin Architect November 1989
Swimming Pool Services has the answer for those who want the healthful pleasures of an inground pool, but don't have the space for the traditional full size pool. It's the Heldor Swimstream™ Exercise Pool.

The jet system delivers a strong "white water" current. The jet nozzle can be adjusted for an intensive workout or for casual, relaxing swim strokes.

The design and installation experts at Swimming Pool Services can provide your clients with this space saving pool.

Swimming Pool Services has been serving Southeast Wisconsin and Northern Illinois for more than 20 years, and is the six-county Greater Milwaukee Area's only authorized Heldor dealer.

Turn to Swimming Pool Services for complete professional turnkey services - custom inground, indoor and space saving Swimstream™ pools.

**POOLING OUR EXPERTISE FOR YOU**

Call (414) 544-5500 for more information or visit our showroom for a free demonstration.

W220 N1563 Jericho Court • Watertown & Springdale Road • Waukesha, WI 53186
Commercial Properties

*Bardon™ Water-Guard® Urinal.* Kohler products have many properties that make them the intelligent choice for commercial applications. Like the Bardon Water-Guard Urinal. We design smart from the start. For example, its patented anti-splash “V” design for better hygiene and reduced area maintenance, and the savings of a one gallon flush. Plus, Kohler’s sales organization and extensive distributor network offer specification assistance and product support. For all the properties you want in a commercial product, depend on Kohler.

©1999 by Kohler Co.
On top of things in God's Country with Wisconsin Solar Design Skylights. And, isn't it nice to know you can have super quality without sky high prices!

Photo: On top of things at Dairyland Cooperative in La Crosse, WI; HSR Architects; Fowler & Hammer, Inc., General Contractor.

Simple, elegant, distinctive.

THE MANISTEE BENCH

The new Manistee Bench invites use, and can withstand it because of the heavy duty welded frame and panel construction.

The back and seat curve gently to provide elegant, comfortable support. The selection of either metal grid or perforated seat panels gives you a choice in appearance and texture.

Electrostatically applied powdercoat colors provide a beautiful, long lasting finish.

Made in the USA.

Structural Systems Corporation

Steel Joist • Girders • Metal Roof & Floor Deck • Structural Steel • Miscellaneous Metal & Erection

7526 W. Appleton Ave., Suite 100
Milwaukee, WI 53216

Contact Gene Gawryleski (414) 461-0998

Moving?

Let us know 4-6 weeks in advance so that you won't miss a single issue of Wisconsin Architect. Please include a copy of the old label.

New Address:

Name ___________________________

Address ___________________________

City, State, Zip ___________________________

Mail To:
Wisconsin Architect
321 S. Hamilton St.
Madison, WI 53703

LFI/Landscape Forms

Bill Quinlan
2140 Halsted
Chicago, IL 60614
312/871-8810
312/871-4817 FAX
Interestingly, the projects for this issue fall into two categories—churches and libraries. Both are expected to be places of quiet and inspiration. One provides for man to seek solace in religion and the other for intellectual growth. How can the architect participate in the search for inspiration? Can the design of the building affect how it is used and by whom? Study these projects. Each is a solution to a community's need for growth.

Grace B. Stith
Coordinating Editor
ARCHITECTS!

Add more space, more light, more airiness with a Four Seasons "SUNROOM".

Give your clients the beauty of the outdoors in with a Four Seasons "SUNROOM". It can be built into their home or added on.

The Four Seasons Solar Advantage keeps you warmer in the winter and cooler in the summer with exclusive features such as Pow-R-Vent® cooling, Heat Mirror™ glazing and built-in shading to provide year-round comfort. Perfect for spa enclosures, kitchens, bathrooms, family rooms, dining rooms and patio rooms.

1303 American Dr.,
Neenah, WI 54956
722-8786

FREE CAD
MAN & MACHINE - OUR SITE OR YOURS

8 Hours Free CAD Services
- Unequaled CAD Drafting Capabilities
- CAD System Leasing/Sales
- Experienced CAD Operators
- Our Site or Yours

IDAC
Suite 550, 20900 Swenson Dr.
Waukesha, WI 53186
- Offices in -
Milwaukee, WI • Appleton, WI • Chicago, IL • Grand Rapids, MI
(414) 796-1060

1990 BUYERS GUIDE
New for 1990, as a display advertiser, the Handbook will include your company name, address and phone number in an alphabetized listing based on the Construction Specifications Institute Data Filing Format.

For more information, contact:
Nancy Baxter
WISCONSIN ARCHITECT
608-257-8477

IMPORTANT NOTICE
FREE COMPUTER DESIGN SERVICE FOR MASONRY WALLS

THE WISCONSIN CONCRETE & PRODUCTS ASSOCIATION IS OFFERING A NEW SERVICE WHICH WILL ANALYZE OR DESIGN MASONRY WALLS FOR LOW, MID OR HIGH RISE BUILDINGS. THIS SERVICE IS OFFERED FREE TO DESIGN PROFESSIONALS—ARCHITECTS AND ENGINEERS—IN THE STATE OF WISCONSIN.

DATA PROVIDED: The program will check resisting moments limited by steel stress, masonry stress and deflection of the wall. It also checks shearing resistance limited by shear stress and bond strength and checks flexural compressive stresses, both allowable and actual. Once the stresses have been determined, the programs will check various masonry configurations to arrive at the configuration which would be the most economical construction.

CALL OR WRITE TODAY FOR COMPLETE INFORMATION
414 251-4551
1-800-545-4141 Ext. 251
RICHARD H. WALTER, P.E.
EXECUTIVE DIRECTOR, WCPA
PO. BOX 881 MENOMONEE FALLS WI 53051
Since 1957 the school gymnasium has been used as the nave of the church. The present new addition called for a nave seating about 600 to 625 people plus a chapel designed to be used as overflow space for the nave.

The building committee wished to emphasize the Community of the Church first, with secondary focus on the altar and baptismry area. The baptismry was designed to be viewed on all sides with moveable seating on the back rows which could be turned to face it.

An abundance of natural light was requested, but to be implemented in such a manner as to not detract from the church liturgy. Quality back-up lighting was also requested.

Photography: Ray Epson
Located at the west end of a planned academic mall, this three-story brick building was designed to encourage study and inspiration. The library occupies the top two levels and has a single entrance with a grand central staircase that visually invites the reader to ascend to the top floor. On the lower level are 17 classrooms, with access and egress independent of the library. Future expansion will extend center stairwell to this level and present classroom space will be converted to library use.

Exterior of the new library recalls the character of the single existing campus building and sets the standards for all future construction on the small urban campus. The strong architectural style of the old building is echoed in the arches, fascia detail, brick masonry, and tile roof of the new.

Photography: Eric Oxendorf
Robey Memorial Library was designed to fit comfortably into a residential neighborhood by repeating and reinterpreting familiar residential images—the simple gable ends, the ordinary materials of wood and masonry, and the siting of the building to provide yard space.

The plan is arranged to provide one-person supervision from the centrally located circulation desk to all major spaces. Adult and children's areas are visually separated, yet open to a shared landscaped reading court. The interior of the library has a cheerful and spacious feeling created by the sloped ceilings and abundance of natural light reinforced with an indirect lighting scheme.

Photography: Roger Grant
Much of the character of the original Carnegie Library in Waukesha had been significantly altered and removed in previous additions. The site was bounded by a historical city park to the north that was to remain undisturbed, including Indian burial mounds. The existing parking was to the south, distant from the hidden main entrance. Site area limitations mandated a collection of books split between two levels.

The new design solution unifies once again the function and character of the building, old with new. A grand formal entrance easily seen and convenient to user access, was linked to the park setting by a strong atrium axis that provides a functional separation between private staff work areas and open public areas. The use of strong materials and forms ties in with the original Carnegie, the pride of the community. This old part has now been designed as a two-level special memorabilia and reading room.

*Photography: Skot Weidemann*
This church bell had been in storage for thirty years. The design request was two-fold—to provide housing for the 101-year old bell and to provide handicap accessibility to all primary spaces within the building.

The site is on a prominent street at a point of transition between residential and commercial districts. The design solution incorporated a two-stop hydraulic elevator within the lower portion of a new 50 foot tall bell tower. The elevator is adjacent to marthex and fellowship hall.

Tower is comprised of a steel frame; two sides feature exposed tubes forming a latticework which is reflective of existing pattern above the main entry. The remaining two sides are brick and slotted to expose the historic bell, which was refurbished and relocated with ringing and tolling capabilities. When set in motion, the bell "throws" its tone through the steel tube latticework, giving clear identity to the building.

Photography: Steve Seilo
The church is located on a 6 acre semi-wooded site in the Madison suburb of Fitchburg. The three sided floor plan and exterior symbolically and literally represent the three functions of the church: Fellowship with God, Fellowship with man and Fellowship in learning about both (Nave, Fellowship Hall and Sunday School).

The three areas are separated with a spacious central "mingling" space (Narthex).

The structure is 110 feet tall and the materials are wood and stone.

Photography: Dennis Hemp
Originally designed in 1964, the eastern half of the church was not built because of financial constraints. As a result of this compromise, the facility became increasingly inadequate in today's rapidly growing community.

The gentle sloping topography dictated three different floor levels for these buildings. The 1964 design concept was to reflect the church's patron saint's background as a fisherman; thus the floor plan reflected the shape of boat or fish. In the remodeling, the architects chose to accept and reinforce this image. Through fenestration and the glazed entry within the porte-cochere the images of a ship's prow or the mouth of a fish are emphasized. A new flow of space was created by “floating” the ceiling at different levels and adding bands of light and color on high walls.

Photography: Kevin Donahue
While IAC ceramic tile is priced comparably to most higher grades of vinyl, carpet and wood, it's far more durable, and a lot less trouble. There's no stripping, waxing, sealing, or buffing—ever. And because it's made by IAC, it resists stains, acids and other corrosive substances. In fact, IAC has more than three times the abrasion resistance of current industry standards—as well as nearly twice the breaking strength and almost five times the bonding strength of standard tile.

Tile of Distinction Ceramic Tile Showroom
- Serving Wisconsin builders, architects, and interior designers for 35 years
- Hundreds of samples on display
- Experienced design consultants available to assist you
- Fast delivery of hundreds of different tiles from our warehouse

746 N. 109th St., Milwaukee, WI 53226 • 414-476-0970
toll free 1-800-242-0847
The Wisconsin Architects Foundation is in its 36th year of contributing to the educational development and public awareness of architecture in Wisconsin. During this period of time, the WAF has contributed more than $140,000 to over 160 individual students and to architectural programs sponsored by local student chapters.

The WAF Board of Directors thanks those individuals, foundations, corporations and other organizations that have contributed to the WAF and made these scholarships possible. In fiscal year 1988-89, the WAF received contributions totaling over $19,600, including nearly $19,500 in contributions to its “Campaign 300.” These contributions enabled the WAF to award over $11,200 in scholarships and grants plus increase its endowment by $19,800 to over $196,000 as of June 30, 1989.

The accompanying list recognizes WAF contributors for 1988-89. Their contributions are tax deductible. You are also encouraged to consider a specific bequest to the WAF in your will as you do your estate planning. Such a bequest in the amount of $10,000 was received in 1986 from the Estate of Joseph Durrant, FAIA.

WAF 1988-89 Contributions

Campaign 300
Bend Industries, Inc.
Best Block
Charles Boldt
Milwaukee Chapter CSI
Jack Fischer, AIA
Paul H. Graven, FAIA
Janesville Foundation
Johnson Controls Foundation
Larry Kassens, AIA
NCARB
Thomas Nisbet, AIA
Carl Patton
Paul Quick II, AIA
Spancrete Industries, Inc.
Richard Williams
Robert Yarbro, AIA
Gary Zimmerman, AIA
Sustaining Members
$250 or more
Hallmark Bldg.
James Jensen, AIA
Paul Berta, Klipstein Insurance
Kraemer Bros., Inc.
Spancrete Industries

Contributing Members
$100 or more
E.H. Berners, AIA
Berners Schober Assoc.
Ronald G. Bowen, FAIA
Green Bay Blueprint, Inc.
Richard Greise, AIA
David Lawson, FAIA
Cari Patton
Francis J. Rose, AIA
Frank Shattuck, AIA
John Somerville, AIA
David Uhlein, Jr., AIA
Dick Zeiner

Donors
$25 or more
James Angus, AIA
BHS Architects, Inc.
Gregory P. Benz, AIA
Keith E. Brink, AIA
Paul Brush, AIA
Dennis Burgener, AIA
George De'Quardo, AIA
George Ehrlich, AIA
Thomas Eschweiler, AIA
Bruno Franceschi, AIA
William Funk
Cliff Gronemeyer
Ronald D. Hansche, AIA

Richard L. Heinrich, AIA
Theodore Iiron, AIA
John Jacoby, FAIA
William Kaeser, AIA
Larry Kassens, AIA
Jack Klund, AIA
Kubala Washatko Architects
David Lund, AIA
Earl Madrick, AIA
Joel Minkoff
David J. Parsons, AIA
Walker L. Patton, AIA
Fred Poethig, AIA
Richard Perrin, AIA
Donald Phillips, AIA
Leonard Reinke, FAIA
Bob Roehrig
Noble E. Rose, AIA
Harry Schroeder, AIA
Allen J. Strang, FAIA
R.E. Vander Werff, AIA
Bruce J. Wentworth, AIA
Larry P. Witzling, AIA
Robert W. Zandi, AIA

Members
Tom Alioto/Teledyne Post
Joe Albert, AIA
Paul Ament, AIA
Orville Arnold
Jan Aslaksen, AIA
William Bauchs
James H. Bell, AIA
Allen Bierich, AIA
Douglas Biakelke, AIA
Stephen Bolinger, AIA
Charles Burroughs
J. Gerald Capell, AIA
Robert Cooper, AIA
Dennis D'Jack, AIA
Pamela Doucette, AIA
Douglas Drake, AIA
Francis Drusko, AIA
R. Wayne Duerst, AIA
John Fox
Patricia A. Frost, AIA
David Gardner, AIA
Howard Gardner, AIA
A. James Gersich, AIA
Michael D. Gordon, AIA
Robert Greenstreet
Richard Griffith, AIA
John M. Howell
Beryl L. Hsia, AIA
Rolf N. Ingens, AIA
Allan Wallsworth, AIA
William Weeks, AIA
William Williams, AIA
Robert Worth, AIA
Chung-Way Yu, AIA

Memorial Contributions
Mark A. Pfaff, FAIA
Richard Hunzinger
Herbert Schulz
Gerald Rice
Jack Kloppenburg, AIA

Building a better Wisconsin through architectural education.
Lego Fun 'n Draw Area

For the seventh consecutive year the Southeast Chapter of the Wisconsin Society of Architects has sponsored the Lego Fun n' Draw Area at Summerfest. Children of all ages are given the opportunity to express their creative design with over one-half million Legos.

In an ongoing effort to improve the appearance of the area, a master plan was created last year. Each year a major piece of that plan comes to fruition. New areas constructed this year included a new sign-up pavilion, a new art pavilion, new art easels, a new play surface and general cleaning and repair of the existing exhibit. The goal reflected in the master plan is to construct an exhibit which is an example of the fine design that members of the Wisconsin Society of Architects create everyday.

As in the past, the success of the exhibit fell on a great number of volunteers and donors to provide money, materials and time for construction of the area. A new promotional effort was made this year at the WSA Convention to make members more aware of the Lego area. An exhibit at the Convention displayed the Lego City Hall model, a slide presentation and written information. A custom-designed Summerfest Lego Fun n' Draw T-shirt was sold at the exhibit to raise funds for construction. Again, the exhibit was staffed by volunteers.

Construction of the refined Fun n' Draw exhibit took place over a two-month period under the guidance of Bruce Risley, John Peine, AIA, and Walter Wilson, AIA. Many volunteers spent three nights a week over that two-month period creating our exhibit.

The exhibit was a huge success with many compliments from visitors and festival staff alike. Nearly 5,000 children played with the Legos with many more participating in the art area.

The ultimate goal of the Summerfest Lego Fun n' Draw Area is to make the public more aware of the architecture that surrounds them and, in a small way, help the children experience the satisfaction of design. We wish to thank the many individuals and firms that made this event possible. The firms not only donated materials and funds, but also in many cases donated their own time which is the most valuable donation of all.

The accompanying list contains the names of individuals and firms that participated in the design, construction and funding of the exhibit. We wish to thank them and the many volunteers who made the Lego Fun n' Draw Area a huge success.
WSA Lego Fun ‘n’ Draw Committee

Chairman: Bruce Risley

Construction & Design:
John Peine, AIA

Construction: Walter Wilson, AIA

T-Shirt Design: Kathy Risley

Volunteer Coordinator: Al Wagner

Committee Members:
Levone Laughinghouse
Kathy Schnuck
Gordy Merz
Kevin Connelly, AIA
Marty Choren, AIA

Donating firms

Milwaukee and Southeast District Council of Carpenter’s Union/$250.00

North Sails/Canopy for Art Pavilion

Pete Alexander Co. Inc., 16 Panels with White Aluminum Finish

Champion Brick/Brick Pavers

Cedarburg Lumber/Plywood Sheets

Moreno Paint and Supplies/Paint and Rollers

Burgmeier Company/Indoor-Outdoor Carpet for Play Deck

Munson Fencing Division/Fence Posts

Tapco/Reflecting Signage for Names of Donating Companies

Unistrut/Canopy Framing

Sunrooms Unlimited/$50.00

Harris Lumber/Lumber

Kohler Company/$200.00

Stevens Construction Company/150 Feet of Construction Fencing
HERE IN ITS SIMPLEST FORM IS A MARVIN WINDOWS CATALOG.

Most window manufacturers make just a few standard shapes and sizes. Marvin offers you thousands to choose from. With everything from authentic divided lites to Round Tops.

All Marvin windows are constructed of fine-grained Ponderosa pine. This wood was chosen for its excellent insulating properties and the way it accepts a stain-and-varnish or paint finish.

A variety of glazing options are available, including insulating glass and special energy-saving Low E glass. So heating and cooling costs are significantly reduced. What's more, Marvin windows are carefully weatherstripped to eliminate drafts and further reduce energy loss. And you don't have to wait a long time to have your windows made to order. Delivery is usually within three weeks from the time they receive the order.

Call or stop in today for complete details on Marvin Windows.

builders world, inc.
p.o. box 887 - waukesha, wisconsin 53187 - (414) 542-8883

LANGE BROS.
WOODWORK CO. INC.
QUALITY ARCHITECTURAL WOODWORK SINCE 1932

For over 50 years, Lange Bros. Woodwork has built and maintained a reputation of excellence within the millwork industry. By producing work of the highest quality, Lange Bros. has sought to exceed the standards set for architectural millwork.

Trained in Germany in the craft of their father, our founders established Lange Bros. with a concern for quality and craftsmanship. This European tradition continues today with the involvement of the third and fourth generations.

Our highly skilled craftsmen represent literally hundreds of years of experience. Millwork projects manufactured in our facilities can be seen in schools, universities, churches, libraries, hospitals, accounting and law firms, office buildings, recreation facilities, homes, and restaurants in the Midwest and in other regions of our country.

We have the skill and the resources to provide you with premium quality millwork and our craftsmen look forward to working with you on your next project.

For, when it comes to wood, our only limitation is the imagination.

Sincerely,
John Lange, Jr.
3920 W. Douglas Ave.
Milwaukee, Wisconsin 53209-3599
414-466-2226 FAX 414-466-8660

Brilliant Design!

Solaris Glass Blocks give you a wide selection of attractive patterns and styles. Perfect for shower stalls, kitchens, interior partitions, in addition to exterior walls.

SOLARIS GLASS BLOCKS
Bend Industries, Inc.
11412 West Brown Deer Road
Milwaukee, Wisconsin 53224
414/362-7000 FAX 414/362-7009

© 1989 Solaris USA
Twenty-seven trends having significant effects on architecture were formulated by the Institute of Alternative Futures for the AIA’s Vision 2000 effort. Condensed to the 14 listed below, they were subsequently used in a Louis Harris Survey to elicit responses from national leaders/experts. They are more fully described in Vision 2000: Trends Shaping Architecture’s Future.

1. Changing Demographic Composition of America — Aging baby-boomers; graying of America; declining number of teenagers; increasing number of minorities and immigrants; fewer and smaller households.

2. A National Resolve to Attack Social Problems — Americans resolve to meet social and health problems head-on, including such problems as the underclass, the homeless, AIDS, and drug abuse.

3. Economic Polarization of America — Widening separation between ‘haves’ and ‘have nots’; disappearing middle class markets and values.

4. America’s Competitiveness in a Global Economy — Growth of global financial markets; rise of multinational corporations; Third World debt; intense foreign trade competition.

5. Information Revolution — High technology information processing, knowledge, and ideas; increased capacity to link people and ideas across great distances; effect of technological advances on decision-making.

6. Energy Challenge — Depletion of fossil fuels; pollution; search for replenishable and clean energy sources; concern for efficiency and conservation of resources.

7. Automation and Materials Revolution — Evolution of new materials and production systems; computer-aided design; computer-aided manufacturing; robotics; semiconductors; elimination of unskilled and semiskilled jobs.

8. Deteriorating Environment and the Environmentalist Response — Worsening environments worldwide; air pollution; acid rain; loss of forests and depletion of the ozone layer; pollution of the oceans; international, national, and community responses to such problems.

9. Renovating Built America — Need to upgrade America’s building stock to meet environmental requirements and functional and esthetic needs; public concern for historic preservation; need to rebuild a deteriorating infrastructure.

10. Urbanization of Suburbia — Growth of satellite cities outside metropolitan areas; creation of office parks in suburbs, which merge with large shopping and entertainment districts to create new downtowns; the rise of ‘penturbia’ in outlying areas.

11. Growing Client Sophistication — Purchasers of products and services are more knowledgeable, demanding, and price-conscious; marketing techniques required to reach segmented and shifting markets; professionals increasingly expected to be better, more efficient managers and business people.

12. Demand for Accountability and Efficiency in Government — Questioning government’s effectiveness in providing services; increased demand for local government control and authority; federal deficit crises.

13. Changing Nature and Liability of Professions — Growing distrust of professionals; increasing malpractice actions; rising insurance costs; rise of paraprofessionals; increase in number of women in professional work force.

Directors-At-Large
At the October Board of Directors meeting in Oshkosh, WSA President Dennis Olson, AIA, announced the winners of the election for the three Director-At-Large positions for 1990. The membership elected Brian F. Larson, AIA, Eau Claire, James E. Larson, AIA, Oshkosh, and Douglas H. Smith, AIA, Chippewa Falls, to two-year terms on the WSA Board of Directors.

Olson commented that it was encouraging to see that the Director-At-Large ballot contained seven outstanding candidates, reflecting the interest in WSA affairs among the membership. The "official teller" reports that it was an extremely close election and that none of the candidates exceeded established campaign spending limits.

Also at the October meeting, the WSA Board of Directors unanimously elected Richard W. Eschner, AIA, Shorewood, as WSA Vice President/President-Elect for 1990.

Specification Technology
Milwaukee Chapter CSI and UWM Extension-School of Architecture will be offering a 15-week course on "Specification Technology" starting January 16, 1990. The classes will be held from 6:30-9:30 p.m. on Tuesday nights.

The program is designed for architects, architects-in-training, engineers, specifications writers and others concerned with the preparation, interpretation, understanding and improvement of contract documents. The course will follow the CSI Format "Spectext." The course fee is $100, and registration will be through the University of Wisconsin.

For more information on "Specification Technology," please contact one of the following course leaders: Robert Greenstreet at (414) 229-4014, Clarence Hueteenrauch, AIA, FCSI, and William Davis, AIA, at (414) 351-6390, or Murray Kinnich, AIA, at (414) 782-5218.

Leonard M. Schober
Leonard Schober, FAIA, has died of cancer at his home in Green Bay. He was 73.

A partner in Green Bay's oldest architectural firm, Berners-Schober Associates, until his retirement last May, Len was referred to as the "dean of Green Bay area architects" by the editor of the local newspaper.

After graduating from the University of Illinois with a degree in architecture, he joined his father, the late Max W. Schober, in the firm in 1938. He was advanced to the College of Fellows of the American Institute of Architects in 1982.

Len was always committed to the Green Bay community, its history and its buildings. "He did more work in a very quiet manner, that was his professional style," according to William Doyle, AIA. Mayor Sam Hallorin considered him a "trusted advisor" and someone "always willing to discuss issues concerning the community."

His profession and his community will miss Len's advice and counsel. He truly was an outstanding representative of Wisconsin's architectural profession.

For Kids' Sake
For the past four years, WSA Associate member Tyrone Dumas, Milwaukee, has been working on ways to introduce architecture to school children and their teachers in southeastern Wisconsin.

"My ultimate goal is to get more kids, especially minority kids, interested in our profession," Dumas explains. "The profession will ultimately benefit when our clients gain more respect for what we do and become more user friendly," according to Dumas.

So far, Dumas has developed two concepts to turn kids on to architecture. One is a middle school curriculum entitled "Art, Architecture and Design" which Dumas has presented to Milwaukee Public Schools teachers as part of their in-service training. Dumas reports that 14 MPS art, industrial arts and architectural instructors attended his 12-hour training class this past Spring.

Dumas also has developed a "Jr. Architect and Engineers Instructional Drawing Kit" which is a concept he has introduced to over 120 fifth through eighth graders in public and private schools in Milwaukee, Kenosha, Mequon and Plymouth. This kit combines the essential tools (e.g. drawing board, paper, T-square, architect's scale, pencils, etc.) with an instructional drawing booklet. The Miller Brewing Company became his first corporate sponsor by purchasing kits for use in instructional seminars.
“Since visual and hands-on type of course work such as drafting and shop are being eliminated from many school curriculums, these two concepts give students the opportunity to explore their aptitude and interest in architecture and technical drawing,” according to Dumas who works for Snap-On Tools Corp.

Tyrone plans to continue working with teachers and students, and he invites other WSA members to help promote architecture to young people as often as possible. “Our volunteer efforts will help direct many young children to fruitful career opportunities,” Dumas believes.

WAF Report
At its meeting in September, the Board of Directors of the Wisconsin Architects Foundation unanimously elected the following slate of officers for 1989-90: Gary V. Zimmerman, AIA, Hartland, President; Orville “Bud” Arnold, Madison, Vice President; and Jack L. Fischer, AIA, Appleton, Secretary/Treasurer.

As part of the WAF’s ongoing campaign to build a better Wisconsin through architectural education, $6,000 in WAF scholarships were awarded to architectural students at the UWM School of Architecture and Urban Planning. WAF scholarship recipients for 1989-90 include: Julia Huang, Jeffrey Spencer, David Reel, Charles Mrotek, James Kruse, Jeffrey Musson and Antonia Diamantis.

The WAF Board of Directors thanks those individuals, corporations and organizations who have contributed so generously to the WAF. Your continued support and participation is vital to the continuation of the valuable scholarship programs conducted by the WAF.

People & Places
Arlan Kay, AIA, Oregon, has been appointed by NCARB to the Code Coordinating Committee for the Uniform Building Code.

Dan Perez, AIA, Milwaukee, has been appointed as the liaison from the North Central Region to the AIA Minority Resources Committee. As regional liaison, Dan is responsible for opening up communications between local chapters and the national committee regarding minority membership needs, organizing chapter liaison networks within the region, conducting outreach programs to educate students about architecture, and encouraging minority architects to become active in the AIA. Dan is developing a roster/network of minority architects in Wisconsin . . . please call him at (414) 784-8884.

Doug Blakeslee, AIA, of Blakeslee & Associates is pleased to announce the completion of the firm’s new office building in Reedsburg. The new address is: 1228 East Main Street, P.O. Box 397, Reedsburg, WI 53959, (608) 524-3488.

WSA Associate member Kyle Elliott, with Flad & Associates, recently received an honorable mention in the William Van Alen Memorial Fellowship’s 18th Annual International Competition. The competition challenged competitors to design an area for peaceful resolution of conflict.

Douglas Herbert Smith, AIA, Chippewa Falls, has joined forces with Dennis E. Miller, AIA, Minneapolis, to form Smith Miller Architects. The firm’s address is: 100 North Bridge, P.O. Box 787, Chippewa Falls, WI 54729, (715) 723-2816.

The Madison office of The Durrant Group Inc. has moved to larger quarters at 2701 International Lane, Madison, Wisconsin, 53704. The phone number remains (608) 241-3340.

Membership Action
Coursin, Craig, was approved for AIA Membership in the Southeast Wisconsin Chapter.

Lundy, Lawrence, was approved for AIA Membership in the Southwest Wisconsin Chapter.

Schmidt, Mark J., was approved for AIA Membership in the Southwest Wisconsin Chapter.

Christianson, Scott K., was approved for Professional Affiliate Membership in the Southeast Wisconsin Chapter.

McQuide, Scott L., was approved for AIA Membership in the Southeast Wisconsin Chapter.

Hazeckamp, Jeffrey, was approved for AIA Membership in the Southwest Wisconsin Chapter. (Jeff advanced from Associate Membership.)

Schroeder, John T., was approved for AIA Membership in the Southeast Wisconsin Chapter.

Klett, James, was approved for AIA Membership in the Southeast Wisconsin Chapter.
PBBS EQUIPMENT CORP.

HEATING AND AIR CONDITIONING
RADIO DISPATCHED SERVICE FLEET
FOR COMMERCIAL AND INDUSTRIAL
INSTITUTIONS, THROUGHOUT WISCONSIN
AND UPPER MICHIGAN

COMPLETE BOILER ROOM
ENGINEERING - PARTS - SERVICE
CLEANING - WATERBLASTING
OF ALL MAKES OF BOILERS
NON-DESTRUCTIVE INTERNAL INSPECTIONS
COMPLETE MOBILE BOILER ROOM RENTALS

AUTHORIZED
CLEAVER BROOKS SALES - PARTS - SERVICE
REPRESENTATIVES FOR
- AEI TURBULATORS
- ASCA STEAM TRAPS - SIGHTGLASSES, UNION
CHECK VALVES, WAFFER CHECK VALVES,
STRAINERS
- CAIN FEEDWATER HEATERS
- CANNON FEEDWATER HEATERS
- CLEVELAND CONTROLS
- PROMINENT FLUID CONTROL SYSTEMS
- ICE-O-MATIC ICE CUBER
- THERMO-KOOL WALK-IN COOLERS & FREEZERS

AND-CAR
AUTOMATIC BOILER BLOWDOWN SYSTEMS
- ELECTRONIC BOILER ROOM MONITORING
- ENERGY MANAGEMENT SYSTEMS
- ELECTRONIC SECURITY SYSTEMS
- OXYGEN ANALYZERS - FLUE GAS ANALYZERS

SERVICE OFFICES
- MADISON, WI (608) 249-6004
- STEVENS POINT, WI (715) 344-7310
- GREEN BAY, WI (414) 494-3675
- MILWAUKEE, WI (414) 781-9620
5401 NORTH PARK DRIVE • BUTLER, WI 53007

1990 CONSTRUCTION INDUSTRY HANDBOOK

Be sure your company is included in this valuable publication.

A display ad in the Handbook will give you a free listing in the 1990 Buyers Guide.

Call today!!!
Ad deadline: December 1, 1989
For more information, contact:
Nancy Baxter
WISCONSIN ARCHITECT
608-257-8477

An artistic expression of our expertise - to fashion metal & glass to perfection

Professional Window Replacement
(Superior Experience)
No Obligation Survey

Arwin
Builders’ Specialties, Inc.
2145 South 162nd Street
New Berlin, WI 53151
(414) 782-1090
1-800-876-1090

Project: University Club, Milwaukee, WI – Architect: David Kahler

Wisconsin Architect November 1989
a financing, funding and rebate program to encourage energy-efficient commercial & industrial facilities design.

- **Financing** at prime rate to implement the most energy-efficient options during construction.
- **Funding** for 50% (up to $2,500) of engineering costs for the study of alternate, more energy-efficient options.
- **Rebates** (maximum $75,000) for the implementation of the most energy-efficient options.
- **PLUS** the long term savings accrued due to lower energy costs generated by state-of-the-art technologies.

**Eligibility**: All existing retail gas or electric commercial and industrial customers of WPS and new commercial and industrial customers who are planning or are involved in new construction or upgrading of facilities may qualify for the program.

For a full explanation of the DESIGN INCENTIVES program, call (414) 433-1719 and ask for DESIGN INCENTIVES. Or, write Wisconsin Public Service Corporation, DESIGN INCENTIVES-MARKETING, Dept. 60N, P.O. Box 19001, Green Bay, WI 54307-9001.

---

**WISCONSIN PUBLIC SERVICE CORPORATION**
Creative use of windows and patio doors adds character and gives any home a distinctive look. Now, contractors and architects can get helpful ideas and instructions on window and patio door design from a new booklet offered by Andersen Corporation.

The booklet, DESIGN DRAWINGS OF ANDERSEN WINDOWS AND PATIO DOORS, features finished photography of creative combinations of Andersen products accompanied by scaled wall plans of the installations. Readers are given product codes, measurements and general detail and installations specifications for 16 different designs.

Design Drawings Of Andersen Windows & Patio Doors is available to architects and contractors by writing to The Radford Company, PO Box 2688, Oshkosh, WI 54903.

Milwaukee, WI — Visa Lighting is introducing three new luminous pendants to its product line. The fixtures are offered in a variety of sizes, finishes and lampings to provide specifiers with a wide selection. In addition to luminous pendants, Visa Lighting also manufactures wall sconces, high performance torchieres, pedestal mount fixtures, outdoor lighting and offers custom design capabilities. For additional information contact Visa Lighting Corporation, 8600 West Bradley Road, Milwaukee, WI (414) 354-6600.
RIGHT...
FROM THE START

Just 55 minutes at the start could save you thousands of dollars on your next parking structure.
That's all it takes to get crucial planning advice from our specialists.
In 55 minutes we'll show you the latest methods of getting the most parking space for your dollar.
We'll give you up-to-date information on building structures that are virtually maintenance free.
We'll demonstrate how Peters' precast concrete is superior to cast-in-place concrete in corrosion resistance. And we'll show you how best to integrate engineering and construction to assure total budget control.

After a 55 minute consultation with J.W. Peters you'll know how to build your parking structure right...right from the start.

JW PETERS
AND SONS, INC.
34212 West Market Street • Burlington, WI 53105 • (414) 763-2401
(312) 782-4691 (Chicago) • (414) 272-7222 (Milwaukee)
Consulting Engineers
• Geotechnical • Water Resources
• Environmental • Construction Services

STS Consultants Ltd.
Milwaukee, WI 53224 414/359-3030 • Green Bay, WI 54303 414/494-9656

DOLAN & DUSTIN, INC.
CONSULTING ENGINEERS
226 N. PROSPECT AVENUE MILWAUKEE, WIS. 53202
(414) 276-5502
Electrical Power • Primary & Secondary Distribution
Lighting Design • Security & Communications Systems
Grounding • Emergency Generation • Uninterruptible Power
George E. Dolan, PE
Gerald E. Braun, PE
Richard Gumpert, PE

JEFFREY P. BROWN
Offering:
• all types of medium
• fast and reliable service,
• reasonable rates.
Architectural Rendering and Models
P.O. Box 71177 Milwaukee, WI 53211 • (414) 962-0510

FJA CHRISTIANSEN ROOFING CO., INC.
Milwaukee, Wisconsin
LET US SHARE OUR ROOFING EXPERIENCE WITH YOU
Project Review • Job Site Investigations • Budget Pricing
David L. Bauer 414-445-4141

BERT FREDERICKSEN, INC.
CONSULTING ENGINEERS
3245 North 124th Street Milwaukee, Wisconsin 53222-3195
TELEPHONE: 781-9070 (414)
HEATING • VENTILATING • AIR CONDITIONING
Project Architect wanted to manage all phases of A/E process on multi-million dollar projects across the country. Must be registered with minimum 5 years experience. Twenty-six year old firm with ample opportunity for advancement. Excellent salary and benefit package. Send resume to:
Richard Kinnell
Rich and Associates, Inc.
25240 Lahser Rd., Suite 2
Southfield, MI 48034
EOE

*Black & White Murals '8x10 Glossy Repros
'We Reproduce Blueprints or Masters For Making Blueprints

PHOTOCOPY
104 East Mason St. Milwaukee, Wisconsin 53202
For Service . . . CALL: 1-(414)-272-1255

Strass-Maguire & Associates, Inc
CONSULTING * STRUCTURAL * INDUSTRIAL * ENGINEERS
9000 N. DEERBROOK TRAIL, SUITE #110
MILWAUKEE, WIS 53223
(414) 354-4046

MILWAUKEE BLUEPRINT SERVICE
7526 W. Appleton Ave., Milwaukee, WI 53216
Fast Diazo Printing • Specs • Supplies
Free Pick-Up and Delivery with Minimum Order
(414) 464-2350 1-800-686-2350

LA FORCE
CUSTOM FRAMES . . . MADE TO YOUR DESIGNS
Expertly engineered hollow metal frames, made to your specifications. Select any door height, profile, face dimension or jamb depth you want. Count on us to provide what you need.

• Hollow Metal Doors & Frames
• Toilet Partitions
• Wood Doors
• Toilet Accessories
• Builders Hardware
• Building Specialties

LA FORCE
Hardware & Manufacturing Co.
1060 W. Mason St., Green Bay, WI 54303
(414) 497-7100
THE REPUTATION YOU CAN BUILD ON