

OCTOBER/NOVEMBER 1982 \$2.50

62364

# AM

*architecture minnesota*

The American Institute of Architects  
Library  
1735 New York Avenue  
Washington, DC 20006

**Compatible Living  
Downtown**

**In-Town Interiors**

**1982 Architecture**



Fred G. Anderson inc  
Paint · Fabric · Wallcovering

FGA

FRED G. ANDERSON, INC.  
Mpls. Headquarters  
5825 Excelsior Blvd.  
Mpls., MN 55416



*Professionals Serving Professionals*





Stained glass has been changing.  
Call for a presentation.

## MONARCH STUDIOS, INC.:

A Consortium of  
Stained Glass  
Artists

62 east fourth street  
St. Paul, Minnesota 55101  
(612) 224-3170

Client: Backstage Deli  
Principal artist: David Cummings  
Photograph: R. Michael Lacy  
Location: Avalon Mall, White Bear Lake





*Architectural accessories by Landscape Forms are notable for meticulous design and imaginative use of woods and fiberglass in tables and seats, benches, planters, planter-benches and receptacles. The complete catalog includes more than 5,000 products in a great variety of styles, sizes, materials, and finishes. For more information write to: Landscape Forms, Inc., Route 3, Kalamazoo, Michigan 49001 or call 616/381-0396.*

## **LANDSCAPE FORMS**

*See our complete catalog in Sweet's 2.15/La.*

# **SNOW-LARSON, INC.**

1221 Second Avenue North • Minneapolis, Minnesota 55405 • (612) 374-1216





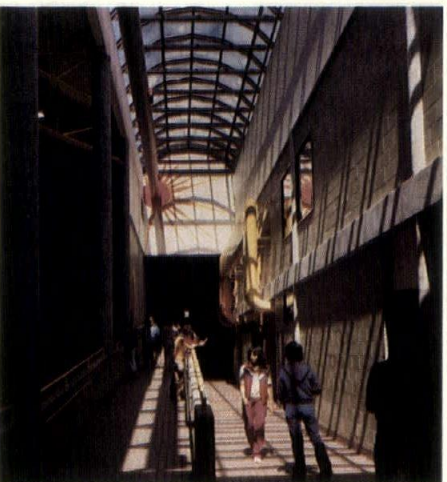
**34** Apartment living at Mt. Curve Place.



**38** PRONTO Ristorante: an interplay of diners, pasta performers.



**48** Lutheran Brotherhood's inviting public spaces.



**52** 1982 MSAIA Design Awards.

# AM

## architecture minnesota

A JOURNAL OF DESIGN AND CREATIVE LIVING  
OCTOBER/NOVEMBER, 1982 VOL. 8 NO. 5

### Features

|                                                                         |           |
|-------------------------------------------------------------------------|-----------|
| Compatible Density, by John Louis Field                                 | <b>32</b> |
| Apartment Living at Mt. Curve Place                                     | <b>34</b> |
| A Long Memory for Architecture                                          | <b>36</b> |
| In-Town Interiors:                                                      |           |
| Italian Idea: An Interplay of Diners, Pasta Performers                  | <b>38</b> |
| Sign of the Times. Doric Columns in a Corner Bar                        | <b>40</b> |
| A Snug Satellite Home                                                   | <b>42</b> |
| A Pilot Opts in His House for Bauhaus                                   | <b>44</b> |
| The Anatomy of a Recital Hall                                           | <b>45</b> |
| Designer Profile: The humanities invariably help shape Ed Sövik's work. | <b>47</b> |
| Lutheran Brotherhood's Inviting Public Spaces                           | <b>48</b> |
| The Greening of Control Data                                            | <b>50</b> |
| The 1982 MSAIA Design Awards                                            | <b>52</b> |

### News, Notes & Opinions

|                         |           |
|-------------------------|-----------|
| News on Design          | <b>13</b> |
| Scanning the Media      | <b>23</b> |
| Editorial               | <b>31</b> |
| Best Products by Design | <b>73</b> |
| Advertising Index       | <b>78</b> |

**On the cover:** The Minneapolis skyline from Mt. Curve Place, a new in-town condominium project. Photographer: Franz Hall.

**Editor**  
WILLIAM HOUSEMAN

**Managing Editor**  
BRUCE N. WRIGHT, AIA  
**Design Director**  
BRUCE RUBIN  
**Assistant to the Editor**  
ELIZABETH HALLSTROM

**Circulation**  
DIANE OELHAFEN  
**Business Manager**  
ROBERT OAKVIG  
**Associate Publisher and Director of Marketing**  
PETER RAND, AIA

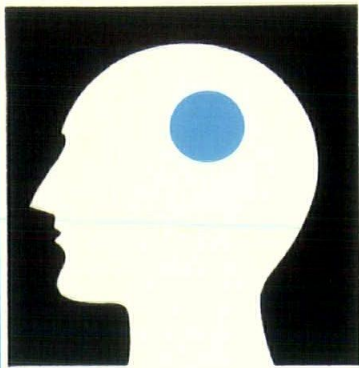
**Publisher**  
JAMES P. CRAMER

### MSAIA PUBLICATIONS COMMITTEE

**Chairman**  
Edward A. Sövik, FAIA  
Lloyd F. Bergquist, FAIA  
Scott Berry, AIA  
Francis Bulbulian, AIA  
Elizabeth Close, FAIA  
Steve Edwins, AIA  
Greg Fern  
Ed Frenette, AIA  
Bernard Jacob, FAIA  
James I. Lammers, AIA  
James O'Brien, AIA  
Leonard S. Parker, FAIA  
John G. Rauma, FAIA  
Carl Remick, AIA  
Julia Williams Robinson  
Milo Thompson, AIA  
John K. Weaver, AIA  
Mark S. Wentzell, AIA

EDITORIAL OFFICES: ARCHITECTURE MINNESOTA, 314 Clifton Avenue, Minneapolis, MN 55403. (612) 874-8771. NOTE TO SUBSCRIBERS: When changing address, please send address label from recent issue and your new address. Allow six weeks for change of address. SUBSCRIPTION RATE: \$12 for one year, \$2.50 for single issue. POSTMASTER: Send Form 3526 to ARCHITECTURE MINNESOTA, 314 Clifton Avenue, Minneapolis, MN 55403. Second class postage paid at New Richmond, WI 54017. ADVERTISING AND CIRCULATION: ARCHITECTURE MINNESOTA, 314 Clifton Avenue, Minneapolis, MN 55403. (612) 874-8771. ARCHITECTURE MINNESOTA is published bimonthly. Printed by St. Croix Press, Inc. Copyright 1982 by ARCHITECTURE MINNESOTA (ISSN 0149-9106).





## Energy Management Ideas from Detroit Edison

### Heat pump space conditioning can help lower the cost of doing business.

Whether you're an architect/designer or a contractor, you can help your clients lower their cost of doing business by specifying a heat pump space-heating system. You can connect a heat pump to most electric, gas, oil or L.P. forced-air heating systems with no, or minimal, modification.

A heat pump lowers costs because it moves the natural heat, that's always present in the outside air, inside to heat any kind of building. The heating system only has to go to work when the outside temperature is below freezing.

A Detroit Edison Specialist can give you straight answers on heat pump savings and recommend the kind of heat pump that will do the best job for any business. He can also recommend economical and efficient methods to improve interior and security lighting, assist you in selecting waste heat recovery equipment and advise you on maintenance

schedules to keep all machinery operating more efficiently.

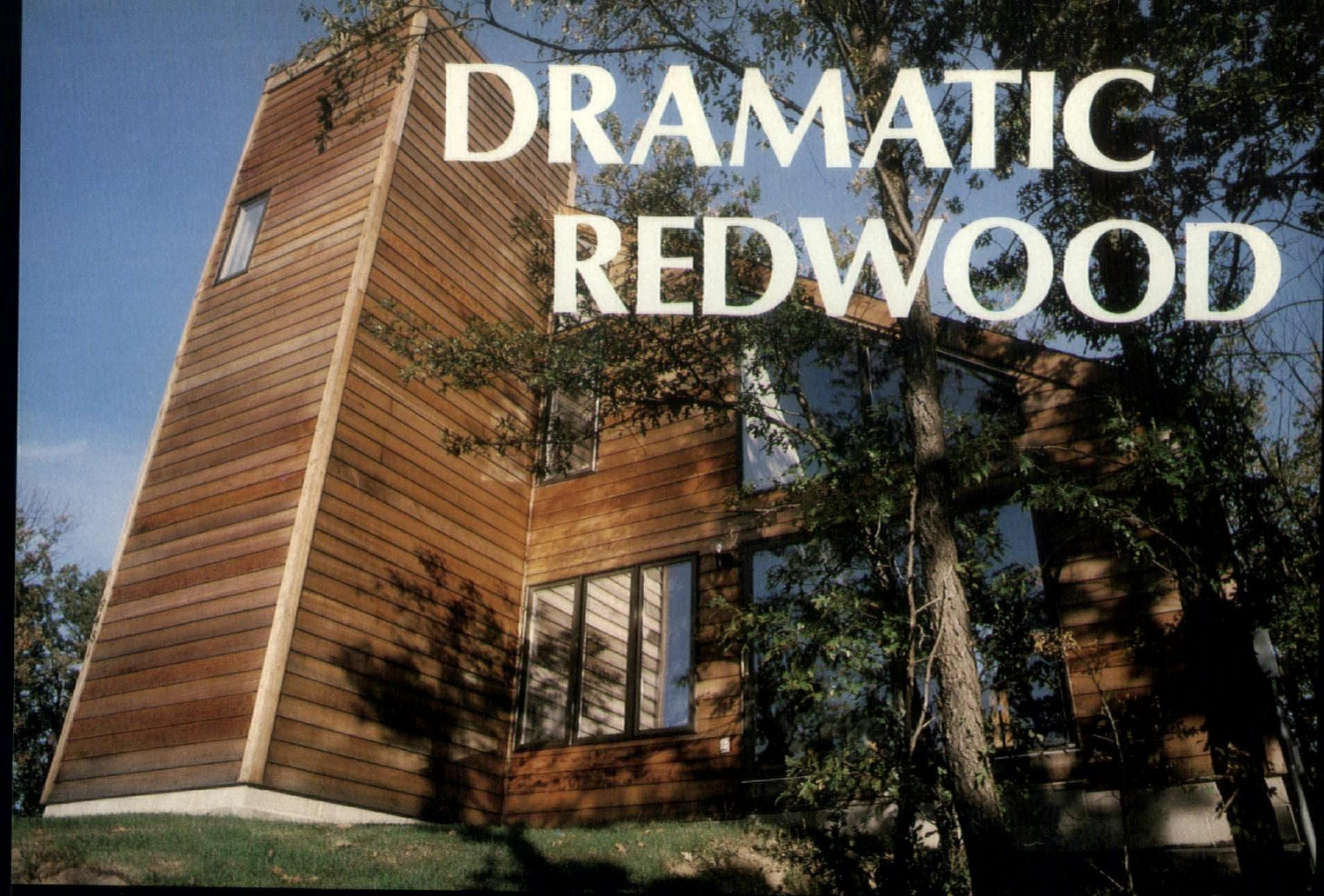
Whatever your business, energy management is a lot simpler when you can depend on a reliable power source. And you can in Southeastern Michigan because Detroit Edison provides this area with electricity that's more than 90 percent generated from abundant coal.

So take advantage of Detroit Edison's vast energy experience and set up an appointment with one of our Specialists soon. Call (313) 237-9228 or write Energy Management, Detroit Edison, 348 WCB, 2000 Second Avenue, Detroit, Michigan 48226.

**Detroit  
Edison**  
Keeping the power  
in your hands.



# DRAMATIC REDWOOD



Photos: Gentry Stanley Architect & Builder: Waters Cluts & O'Brien, Inc.



## CANTON'S REDWOOD BEVEL SIDINGS

Redwood's warmth grows on you, feels Keith Waters. He and his firm specify Redwood. Waters lives in a Redwood house that he built himself.

Redwood is Waters' choice because of the quality and the consistency of the grade. It's the same house after house. It's dependable. Waters' home is sided with 1/2x8 Clear All Heart Vertical Grain Redwood Bevel Siding.

Your choice could include 1/2x4, 1/2x6, 1/2x8, 5/8x10, 3/4x10, and 3/4x12 Bevel Sidings to give you all kinds of creative options. Select one size or mix two or three for a random horizontal or diagonal line impact.

For Waters Redwood is part of a dramatic architectural statement for siding and decking achieved no other way, and its warmth endures. Redwood can become part of your distinctive statements. Simply specify Canton Redwood.

Visit our expansive and elaborate showroom anytime between 8-5:30, M-F, also open for special appointments, please call 612-425-1400. Locations: CANTON'S is located near Osseo in the northwest section of the Twin Cities, 1 1/2 miles north of I-94 County Rd. 18. Turn east at Avenue North to 9110.



**CANTON**  
CORPORATIONS

Canton represents the  
finest mills in the  
Redwood industry.

**Simpson**



**PALCO**





INNOVATIVE NATURAL ENVIRONMENTS BASED ON SOUND ECOLOGICAL PLANNING, DESIGN, AND INSTALLATION ARE BECOMING A SIGNIFICANT PART OF BUSINESS AND RESIDENTIAL LANDSCAPES.

EXPLORE THE OPTIONS BY CALLING NOW.

### **Prairie Restorations, Inc.**

P.O. Box 327  
Princeton, Minnesota 55371 • (612) 389-4342

## **Minnesota Society American Institute of Architects**

### **Board of Directors**

Robert Rietow, AIA, President  
James P. Cramer, Executive Vice President  
Elizabeth Close, FAIA, President Elect  
Duane Thorbeck, AIA, Secretary  
Jeri Zuber, AIA, Treasurer  
Leonard S. Parker, FAIA, Immediate Past President  
Howard Goltz, AIA, President Minneapolis Chapter

Angelo Percich, AIA, President St. Paul Chapter  
Leon F. Hakkila, AIA, President Northeastern Chapter

Edward R. Frenette, AIA, Director  
O. Reuben Johnson, AIA, Director  
Duane Kell, AIA, Director  
Edward J. Kodet, AIA, Director  
Darrell Carlson, AIA, Director  
Milo Thompson, AIA, Director  
Myron Treichler, AIA, Director  
Dennis Walsh, AIA, Director  
Jenny Eisenman, ASID, Associate Representative  
David Prestrud, Student Representative  
LeRoy Bean, AIA, Regional Director

### **MSAIA Commissioners**

Edward R. Frenette, AIA, Design & Professional Practice  
Edward J. Kodet, AIA, Continuing Professional Education  
Duane Kell, AIA, Legislative & Government Affairs  
Milo Thompson, AIA, Public Information & Education  
Dennis Walsh, AIA, MSAIA Affairs

### **MSAIA Architectural Foundation**

Donald C. G. Nelson, AIA, Chairman  
Frederick Bentz, FAIA  
Maggie Berget, Honorary MSAIA  
Lloyd F. Bergquist, FAIA  
James P. Cramer, Executive Vice President MSAIA  
Richard Faricy, FAIA  
Richard Hammel, FAIA  
Kenneth Skold, AIA  
Saul Smiley, FAIA  
E. A. Sövik, FAIA

### **MSAIA Staff**

James P. Cramer, Executive Vice President  
Beverly Hauschild, Director of Programs  
Robert Oakvik, Director of Administration & Finances  
Peter Rand, AIA, Director of Publications  
Dee Anderson, Administrative Assistant  
Elizabeth Hallstrom, Assistant to the Editor  
Architecture Minnesota  
William Houseman, Editor Architecture Minnesota  
Diane Oelhafen, Administrative Assistant  
Judith Van Dyne, Membership Coordinator and Exhibit Sales  
Bruce Wright, AIA, Managing Editor Architecture Minnesota

Minnesota Society  
American Institute of Architects  
Headquarters  
314 Clifton Avenue  
Minneapolis, MN 55403  
(612) 874-8771

Computer generated graphics is the future . . .  
for print, audio-visual, and video applications.

**THE FUTURE IS YOURS AT CREATIVE VISUALS.**

# **CREATIVE VISUALS**



731 Harding St. NE, Mpls., MN 55413, 612/378-1621



# COBB, STRECKER, DUNPHY AND ZIMMERMANN

400 BUILDERS EXCHANGE BLDG.  
MINNEAPOLIS, MINNESOTA 55402  
PHONE (612) 339-7467

Dear Architect:

Two years ago, the M.S.A.I.A. Professional Liability Insurance Committee conducted a survey of insurance carried by architectural firms. The results demonstrated that professional liability insurance was second only to employee benefits as respects premiums paid.

Our firm presently insures 125 architectural and engineering firms in Minnesota and Wisconsin.

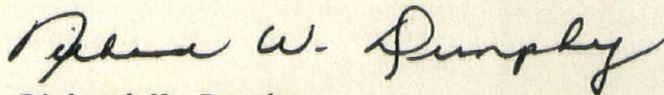
With this number of clients, we keep in close touch with the companies providing professional liability insurance coverage. All our companies are rated A+ by Best's.

Whether your firm is involved in architecture, engineering, construction management or design-build, we would be most anxious to discuss with you your coverage needs, the services we render, and the premium cost.

We would like to hear from you. Call Dennis Linder or myself at (612) 339-7467.

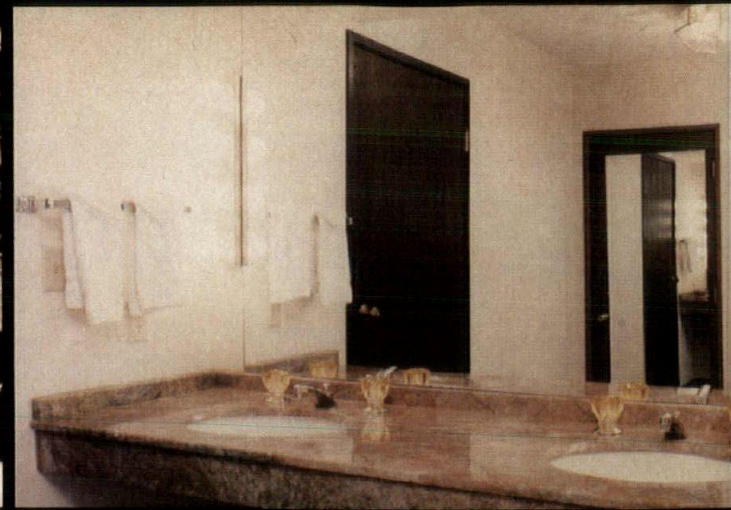
Sincerely,

COBB-STRECKER-DUNPHY & ZIMMERMANN



Richard W. Dunphy  
Chairman of the Board





## Home Sweet Homotel®

Called by Homotel President Robert Wooley, "The hotels of the future (2 room kitchenette suites) not the traditional 2 beds in a box," today's and tomorrow's Granada Royal Hometels proudly showcase modern beauty from the past... genuine marble.

Marble vanities...marble bar area...marble floors...marble walls. Genuine marble provides elegance and easy maintenance to the chain's (pictured) new Bloomington, MN property and others throughout the U.S.

Yes, "there's no place like Homotel" where genuine marble is *every* place. (And "there's no place like *home*" for the same residential elegance.)

## Minnesota Marble Industry

(612) 222-4759



## Architectural Quality Glass Block

W. L. Hall Company now offers the most extensive pattern and color selection of Glass Block available in the United States to fulfill your design needs.

Most colors, sizes and patterns are in stock.  
Call or write for a brochure or sample.

W. L. Hall Company  
Builders' Specialties  
14800 Martin Drive  
Eden Prairie, MN 55344  
612/937-8400





EXPERIENCE WILL TELL YOU!

# Go by "the book"

 minnesota tile sketchbook

Each of our architecturally designed showrooms  
is unique to the industry.

Minnesota Tile Sketchbook showrooms are your complete tile "library" with vignettes, samples, technical data and working information for the architect and the interior designer. **Service is our greatest strength.** We can save you many precious hours — or even days — that are often wasted getting special samples or looking for the answers to tile planning problems. That's why experienced professionals rely on Minnesota Tile Sketchbook. Call for an experienced sales representative. **533-2461.**

As photographed in our Burnsville  
Minnesota Tile Sketchbook Showroom

3 convenient Minnesota Tile Sketchbook showrooms to serve you:  
**BURNSVILLE** Cobblestone Court 435-2544 **EDINA** Leisure Lane 925-2070 **BROOKLYN CENTER** Hwy. 100 & France Avenue North 533-8



## news, notes & opinions

### AIA to help fund ambitious TV series

The American Institute of Architects (AIA) will contribute financial assistance over a three-year period, as well as organizational assistance, to Washington, D.C. public television station WETA-TV toward the production of a five-part series on architecture and design. Called "America by Design," the series aims to teach Americans how to look at and experience the buildings and spaces they inhabit, and to address the problems that evolve from the way we live.

WETA initiated the project two years ago. In January, 1981, it received a \$700,000 grant from the National Endowment for the Arts (NEA), the largest sum the NEA has ever awarded for a television project. It specified, however, that for every \$1 of federal funds, WETA had to come up with \$2 of private money, bringing the total projected cost of the program to \$2.1 million.

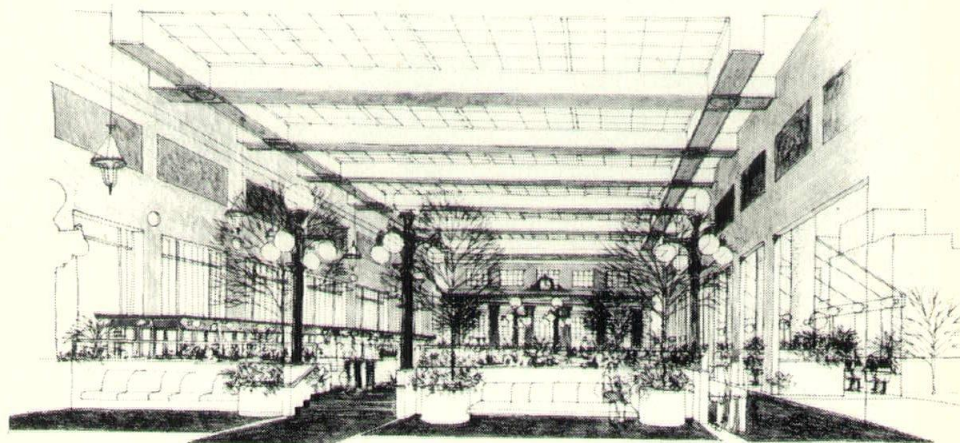
Last May, WETA approached the AIA and other organizations for fund-raising assistance. According to James P. Cramer, executive vice president of the Minnesota Society AIA and an AIA board member, the Institute offered technical assistance, membership contact and limited funds in exchange for the establishment of a long-term partnership with WETA. The board decided, he says, that the AIA would be putting in place a mechanism too valuable to commit to a one-shot enterprise.

The five-part "America by Design" series will be aired nationwide over PBS in 1984. The AIA is also expected to support two additional hour-long productions in 1984 and 1985.

### Minnesotans still ahead of U.S. on energy saved

Minnesota energy use dropped for the second consecutive year, according to preliminary 1981 total energy consumption figures from Minnesota's Department of Energy, Planning and Development (EPD).

Minnesotans consumed 1,052 trillion Btu's, the lowest annual rate since 1971, and a 4.6 percent drop from the 1980 level. Nationally, the U.S. used 2.2 percent less energy in 1981.



### Developer plans new use for St. Paul's old Union Depot

St. Paul's grand old Union Depot is scheduled to reopen in 1983 with its exterior restored and interior transformed into offices, shops and restaurants. In its heyday, the Union Depot was used annually by 450,000 travelers who boarded the more than 150 trains which arrived daily. Now on the National Register of Historic Places, its restoration and rehabilitation is part of the Lowertown redevelopment.

Brian Nelson, a partner with the ownership company, J. Nelson Smith Holdings, says the exterior facade will remain unchanged but that the semi-

circular entrance driveway will be landscaped with trees and planting. The two-story lobby will also be restored. When completed and renamed Union Depot Place the building will have a major restaurant, delicatessen and a sandwich shop surrounded by retail shops on the main floor augmented by a sidewalk cafe. The remaining two-thirds of the available 60,000 square feet will be leased as office space. The architecture firm of Rafferty Rafferty Mikutowski Roney and Associates, St. Paul, developed the design.

Built in 1922, the Bedford limestone and marble structure cost \$11 million. J. Nelson Smith Holdings estimates total redevelopment costs for the Union Depot at \$6.5 million.

The EPD also notes a change in the pattern of primary fuel use in Minnesota. Natural gas and petroleum consumption declined substantially while coal, nuclear and hydro uses were up. The decrease in heating fuel use is attributed to the milder than normal weather in 1981. Other energy-saving factors: less motor gasoline used, continued conservation measures, and the economic recession.

### Construction—still sick but shows vital signs

The construction industry is busier than a year ago, according to the Dodge Index prepared by the F.W. Dodge Division of McGraw-Hill Information Systems Company. The \$13.9 billion

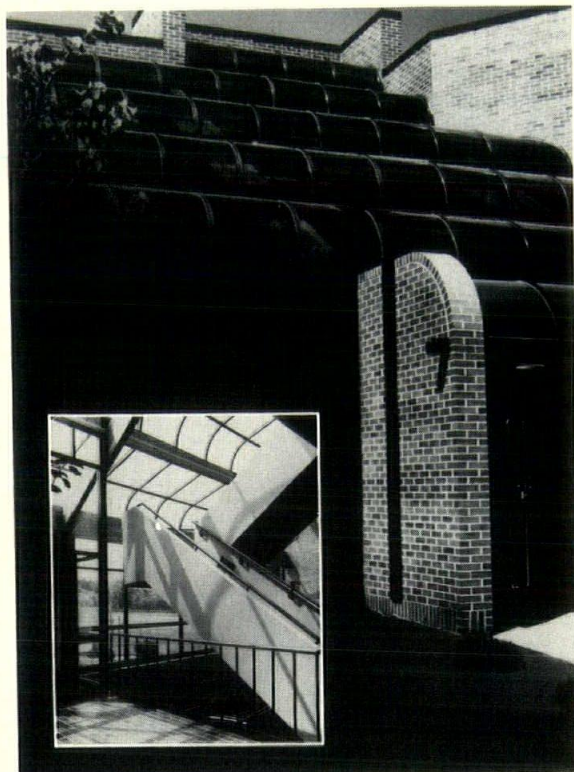
of newly started construction in August was 17 percent above the total for the same month in 1981, with all three categories—nonresidential, residential, and nonbuilding construction—showing improvement. The report notes, however, that the figures are swelled by the inclusion of two sizable electric power plants in Florida and Louisiana, which added a billion dollars to the month's total.

"It's still too early to use the word 'recovery' for the depressed construction industry," cautions George A. Christie, vice president and chief economist for F.W. Dodge, "but it's becoming clearer with each month's results that there's been a change for the better since April."

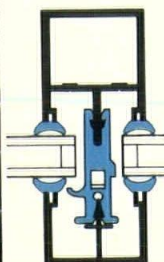
*Continued on page 74*



# For Solutions To Problems of Interest— Bank On Cronstroms!



Northwestern Bank, Fergus Falls, Minnesota  
Architects: Foss Englestad Foss, Fargo, North Dakota



The architects of this financial institution presented a unique challenge to glass manufacturers and Cronstroms. The cooperative efforts of the glass company and the Cronco-Lite division of Cronstroms resulted in the striking solution you see here. Cronstroms team of craftsmen produced the high quality CTS Thermal Barrier System which was fitted with specially curved glass panels.

The energy-saving design of CTS Thermal Barrier Systems eliminates metal-to-metal contact in curved or straight designs, and

allows the beauty and openness of large expanses of glass with virtually no frost or condensation, even at temperatures of -30 F. Cronstroms was the first to develop this Thermal Barrier System over 16 years ago.

When you have a unique challenge, bank on Cronstroms to help you!

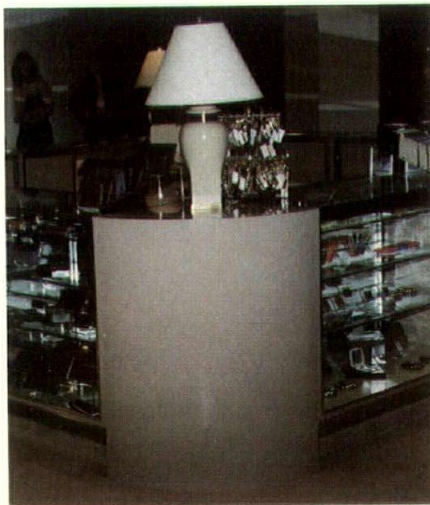
**Cronstroms**  
Manufacturing, Inc.  
4225 Hiawatha Avenue South  
Minneapolis, MN 55406  
(612) 722-6671



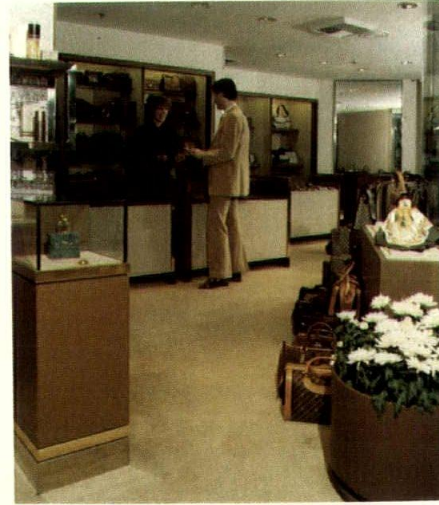
## You're supposed to look at this sampling of our work.



Badiniers, Minneapolis



Dayton's, Minneapolis



Gucci, Las Vegas



## Each Project Is A Different Story— You Know It; We Know It

From concept to installation, full turn-key services, Minnesota Advanced Window Sales is the one source modern window specialist for today's architect or engineer. A division of Minnesota Rusco, Inc., we have three warehouses, our own manufacturing shop for the small, quick-turnaround project, and the technical know-how and engineering support staff of some of the largest and most respected window and door manufacturers in the country. We are keyed and ready to serve your needs.

For more information about us, call Bob Christenson, architectural division manager.

MINNESOTA  
**ADVANCED**  
WINDOW SALES

401 East 78th Street  
Bloomington, MN 55420  
**(612) 888-8925**

# And call us.



We think good work speaks for itself. And we've been doing outspoken custom display and casework for years.

Catering to creative architects. As well as to their medical, institutional, financial, retail and hotel/motel clients.

With a flair for detail and a quality of craftsmanship that can enhance any design. Within any budget.

A small sampling of which you see on the left. A larger sampling of which you can see simply for the asking.

So don't be limited by stock designs. No matter what your casework needs, call us. At 1-800-328-8043. Or in Minnesota at 612/375-1606. Or write Carlson Store Fixtures, 26 N. 5th Street, Minneapolis, MN 55403.

**SI**  
**CARLSON**  
**STORE FIXTURES**

A division of Stein Industries, Inc.



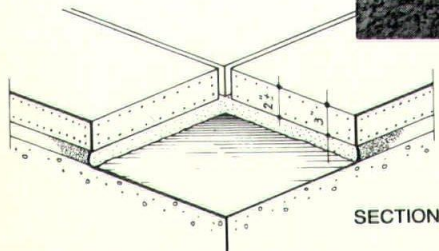
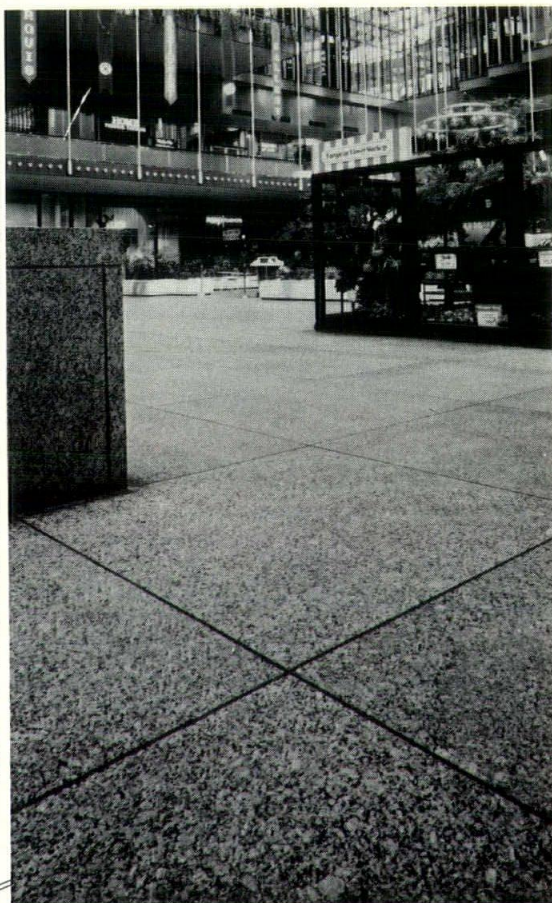
# Granite.

## A step up to beauty. A step up to wearability.

Forever-lasting beauty that requires no maintenance, adds a stepping stone to prestige, elegance. Choose from twenty colors, endless shapes and patterns, and all the expert help we can give you. Consider the character of mixing more than one color or pattern in an application.

For more information, and a packet of full color literature illustrating Cold Spring Granite products in use, call toll free **800-328-7038**. In Minnesota call (612) 685-3621, or write to the address below.

I.D.S. Center, Minneapolis, MN  
Architect: Philip Johnson &  
John Burgee, New York, N.Y.



**Cold Spring Granite Company, Dept. F**

202 South 3rd Avenue, Cold Spring, MN 56320

**KOHLER**  
  
**BOLD CRAFTSMEN**  
SINCE 1873

**KOHLER**  
DISTRIBUTORS  
ARE

**Baker Mfg. Company**  
Minneapolis

**Bartley Supply Co.**  
St. Cloud and  
Brainerd

**Goodin Company**  
Minneapolis, St. Paul  
and Duluth

**Graybow-Daniels Company**  
Minneapolis

**Heles Supply Company**  
Worthington

**Marshall Northwest Pipe  
Fittings, Inc.**  
Marshall

**North States Supply Corp.**  
Duluth

**Wilson Supply Co.**  
Albet Lea and  
Mankato





## FOR FLIGHTS OF FANCY...A BATH WORTH THE TRIP.

Introducing the Infinity $\infty$  Bath Whirlpool™. Your mother always told you sharing was a virtue, now Kohler makes it practical, relaxing and good clean fun.

Infinity $\infty$  is the same length as a conventional

bath but its extra width broadens bathing pleasures infinitely.

It's a luxurious, 20 inch deep, body-contoured whirlpool, with a control panel that eliminates spouts, making sharing comfortable as well as

beautiful.

Your dreams of Infinity $\infty$  can be realized in Espresso or a variety of Kohler decorator colors. So, whether you're interested in luxurious bathing, invigorating massage or just togetherness, the Infinity $\infty$ Bath

Whirlpool offers more for one or for two...than just tea.

See Infinity $\infty$ Bath at your local Kohler showroom. Check the Yellow pages for the location nearest you.

THE BOLD LOOK  
OF **KOHLER**

Copyright 1982 Kohler Co.



# BONDS RENDER RETAINAGE REDUNDANT

In a joint policy statement, the American Subcontractors Association and the Associated Specialty Contractors recommend retainage of construction progress payments be eliminated whenever possible.

High retainages contribute directly to increased costs of construction. Since prevailing bonding practices in the construction industry provide primary protection to owners, high retainages are not only needlessly expensive, but have in fact become redundant.

Where retainage is unavoidable, the ASA and ASC want the same percentage set for both primary and subcontractors, not to exceed 5% in any case.

For a copy of the complete ASA and ASC statement, call or write:

**Twin City Piping Industry Fund**  
766 Transfer Road  
St. Paul, MN 55114  
646-2121

**Piping Industry Development Council**  
100 East 14th Street  
Minneapolis, MN 55403  
870-4480

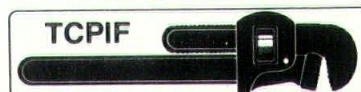
METRO ASSOCIATION OF  
PLUMBING • HEATING • COOLING CONTRACTORS



NATIONAL ASSOCIATION OF  
PLUMBING • HEATING • COOLING CONTRACTORS



TWIN CITIES  
PIPING INDUSTRY FUND



---

**PIPING INDUSTRY DEVELOPMENT COUNCIL**

---

OF MINNEAPOLIS AND ST. PAUL



**With FABCON,  
fast doesn't  
mean plain.**



Designed and built by Ryan Construction Company, the Sperry Univac computer refurbishing facility in Mendota Heights, MN, used deeply recessed windows to help cut cooling costs and Fabcon insulated concrete panels to speed construction. Call Gary Janisch at 890-4444 for details.

**FAB CON**

**FABCON, INCORPORATED**

6111 West Highway 13  
Savage, Minnesota 55378 (612) 890-4444  
Out-of-State Toll Free: (800) 328-2970  
In Minnesota: (800) 352-2811

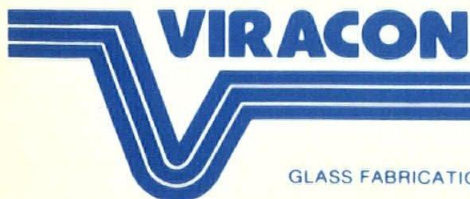
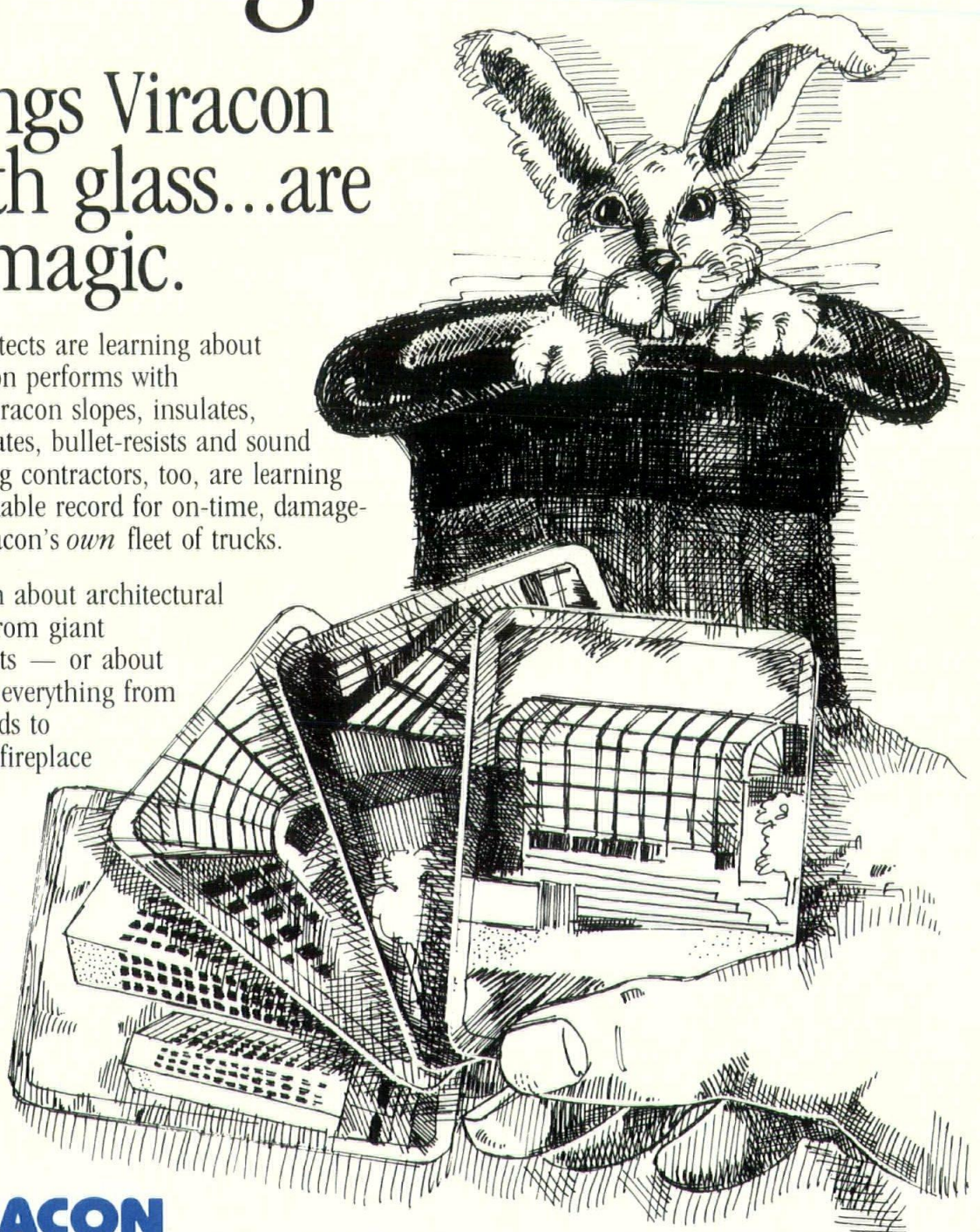


# Pick a design. Any design....!

The things Viracon  
does with glass...are  
clearly magic.

More and more architects are learning about the magic that Viracon performs with architectural glass. Viracon slopes, insulates, tempers, tints, laminates, bullet-resists and sound controls glass. Glazing contractors, too, are learning to rely on the remarkable record for on-time, damage-free delivery with Viracon's *own* fleet of trucks.

For more information about architectural glass for everything from giant skyscrapers to skylights — or about glass fabrications for everything from automotive windshields to microwave oven and fireplace doors — contact Viracon, Inc., 800 Park Drive Owatonna, MN 55060. Or call toll-free 800-533-0482.



GLASS FABRICATION DIVISION OF  ENTERPRISES, INC.



# Fire containment specialist.



Call on the brick and block wall specialist to give your buildings added fire protection.

Drywall elevator shafts and stairwells can collapse in a fire. Steel loses its load-carrying capacity when temperatures rise above 1000°F.

Glass and metal curtain-walls can shatter or melt.

Brick and block walls won't burn, melt, buckle or disintegrate. No matter how hot the fire. Good reasons for masonry stairwells, masonry protective compartments, and masonry firewalls on every floor of your building.

No one can prevent all fires from starting, but the bricklayer, working with brick and block, can keep them from spreading.

Brick and block. Some of the best fire protection your building can get.



**minnesota masonry institute**

7851 METRO PARKWAY SUITE 103  
MINNEAPOLIS, MINN. 55420  
PHONE 612-854-0196

Send me information on the fire  
safety advantages of brick and block.

Name

Title

Company

Address

City  State  Zip

Nature of Business



# CASTING NEW DIMENSIONS!

Casting new, stylish shapes and designs in buildings for demanding architects and builders are challenges Gage Brothers approach with solid engineering knowledge and experience.

We're in the architectural concrete precasting business and have been in it for over 30 years. A well trained staff of engineers and precast specialists utilize the latest precasting manufacturing techniques for quality building components.

Major building projects throughout the midwest are incorporating Gage custom designed precast concrete building components for lasting strength and beauty. Buildings of every shape, size, color and design. Buildings of every function from complex skyscrapers to hospitals and corporate office buildings.

Gage architectural precast components provide speed and flexibility in all methods of building. Components go up quickly saving valuable time and labor costs. And no matter what your superstructure, steel or poured concrete, Gage engineers will create an application to easily accommodate your building design. Gage precast

components even stand on their own in selected designs and uses.

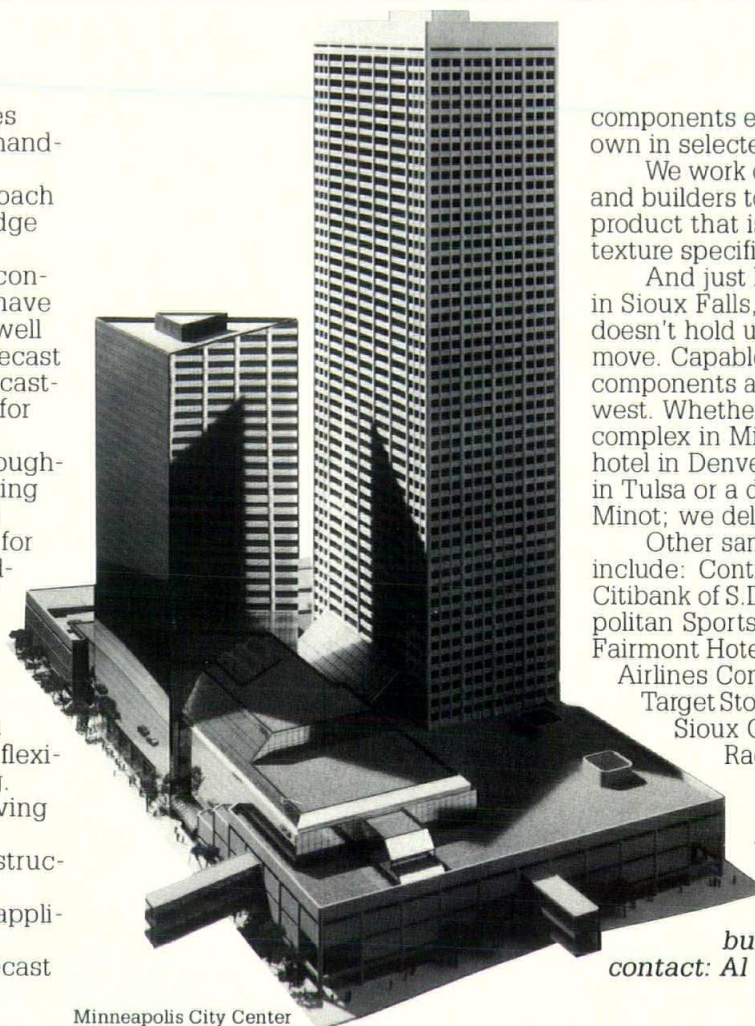
We work closely with architects and builders to produce a finished product that is the exact color and texture specified for the project.

And just because we're located in Sioux Falls, South Dakota doesn't hold us down. We're on the move. Capable of delivering precast components anywhere in the midwest. Whether it's a 52-story office complex in Minneapolis, a 28-story hotel in Denver, a computer center in Tulsa or a department store in Minot; we deliver on time.

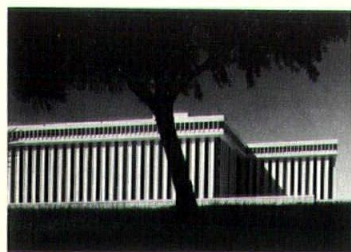
Other samples of area projects include: Control Data, Minneapolis; Citibank of S.D., Sioux Falls; Metropolitan Sports Center, Bloomington; Fairmont Hotel, Denver; American Airlines Computer Center, Tulsa; Target Stores, Minot, Sioux Falls, Sioux City, Rapid City; the Radisson South Hotel, Bloomington.

*For complete information on how Gage Brothers can cast a new dimension on your next building project,*

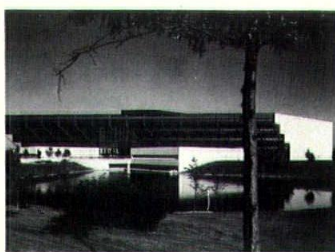
*contact: Al Gage, 605-336-1180.*



Minneapolis City Center



Northland Executive Office Building



Western Life Insurance



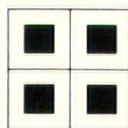
Winter Park, Minnesota Vikings  
Offices and Training Center



Hennepin County General Hospital

**The Midwest's Leading Architectural Precast Concrete Producer**

**GAGE  
BROTHERS  
CONCRETE  
PRODUCTS, INC.**



4301 West 12th Street • Sioux Falls, S.D. 57101 • Tel. 605-336-1180



# AM

## scanning the media

Being a collection of hard facts and appealing notions gleaned from the pages of periodicals you'd read if you had the time

### Bleep Bleep, s'il vous plait

THE FRENCH GOVERNMENT IS PRODDING ITS CITIZENS INTO THE COMPUTER AGE BY ARMING THEM WITH ELECTRONIC PHONE BOOKS. *Newsweek* reports (September 13) that by mass producing the tiny terminals, the French phone company has brought the unit cost down to \$320. The company points out that while it costs considerably more than a phone book, a terminal does not have to be replaced each year and is more accurate because it can be updated instantaneously.

Author Philip Faflick notes that the French are experimenting with "just about every conceivable application," now that the terminals are part of so many homes. Residents of three Paris suburbs can check airline schedules or place orders with mail-order catalogs. Thirty farming villages received terminals which dispense data about social security rights, building permit procedures and agricultural laws. Perhaps most amazing of all, reports Faflick, the Ministry of Industry has persuaded the Académie Française, mighty guardian of the French language, to approve a new word for the hardware: *informatique*.

### Push-Button Architecture

NOW, ALONG WITH PENNY ARCADES, KITCHENS, OFFICES, BANKS AND GROCERY STORES, THE COMPUTER HAS INVADDED THE DRAFTING ROOM. A recent *New York Times* article by Bryan Miller, reports that many of the mundane and repetitive tasks that take up more than 60 percent of an architect's time can be eliminated or lessened by the judicious use of a computer-aided design (CAD) system. Using one of the half-dozen or so CAD systems currently on the market, an architect wishing to make changes in a drawing may do so electronically on a "digitized" drawing table. The machine will turn out revised drawings in any pen or pencil style desired within minutes. "In the old days an architect did most drawings on scratch paper and then gave them to an employee who made the formal pencil drawings with triangles,

compasses and all that," says William H. Grover, a partner in the architectural firm Moore Grover Harper in Essex, Conn., which recently installed a CAD system of its own. "When there were changes it meant a lot of erasing on many different layers."

The computerized process has been applied to nearly every aspect of architectural drawing, including plumbing, electrical systems, furniture, landscaping details and even perspective renderings. With the push of a few buttons, the architect can view a building from any exterior angle. "As the drawing rotates one has the sensation of flying around the structure," says Miller.

What is the next step? According to research centers like Cornell University's Computer Graphics laboratory, simulations of a walk through a building in full color are soon to follow. "Both the inside and outside of a structure can be viewed in three dimensions, including the sensation of seeing sunlight streaming through windows at various times of day."

### Upgrading with canvas

THE QUEST FOR IMPROVED STREETSCAPES HAS RETURNED CANOPIES AND AWNINGS TO FASHION. Architect and University of Miami professor Harold Lewis Malt welcomes the change. In "Color and Shade in the City," appearing in *Places* (September), he notes that historically, covering pedestrian places has proved a most productive way of making urban settlements more livable. He admits, however, that more expedient reasons usually explain the installation of awnings and canopies. "Planners and developers have learned that all components of the streetscape need to be coordinated," he writes. "However, street furniture in the public space requires a high order of time and experienced talent to produce significant imagery, given the necessity of dealing with fragmented city bureaucracies." No matter the reasons, Malt believes we all respond to the appeal of banner and bunting, canvas and canopy. He asks rhetorically "Have you ever seen an urban design rendering without the *de rigueur* banner flapping in the foreground?"

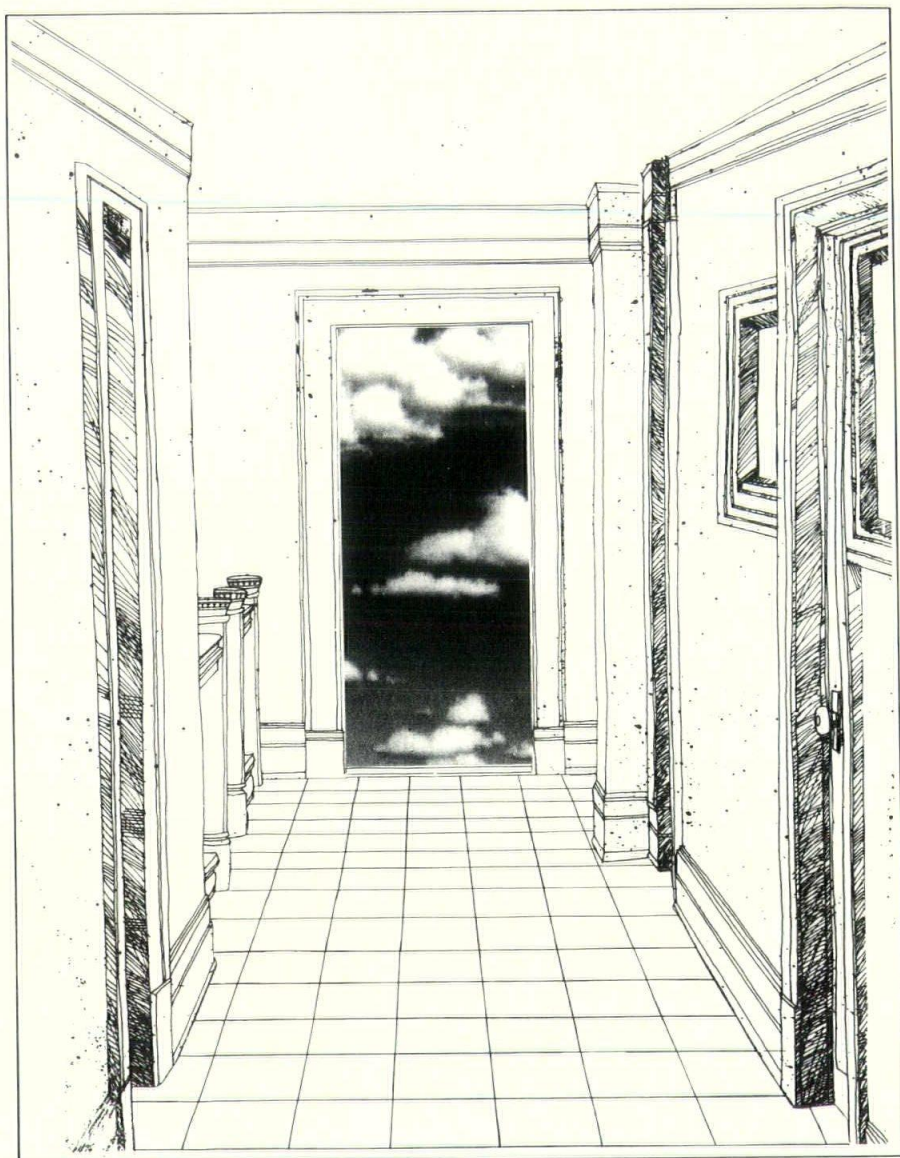
### Architects at risk

ARCHITECTS AND ENGINEERS ARE MORE LIKELY TO BE SUED THAN EVER BEFORE. David Berreby, a reporter for the *National Law Journal*, talked with spokespersons from both of these impacted professions and attorneys to find out why. In his article "Architects: After the Fall," (July 19), Berreby identifies three major factors: architects and engineers are taking more risks; laws have changed to make them more liable; and lawyers are more likely to take them to court. Berreby's sources name several conditions heightening risks of design and/or structural failure. Among them: the economics of construction emphasizing the lowest possible cost and quickest construction methods; the use of innovative materials or structural systems lacking rigorous testing; faulty computer modeling; fewer "redundancies" (i.e., supports built into projects that can do the work of others if they fail); and a narrowing of responsibilities by each member of the design/construction team to the point that no one's in overall charge.

Berreby mentions further that over the past 20 years a number of traditional defenses used by architects and engineers have been eroded in the courts. A plaintiff can now sue an architect or engineer for economic loss as well as for injury or death. Courts have also rejected the doctrine that only the one who has commissioned an architect may sue him. Recently, he notes, there have been a number of suits where all contracting parties engaged in a project are named. Also, the statutes of limitation in some states now run from the time of the first injury or discovery of an alleged failure, the effect of which is to make architects and engineers liable throughout their lives.

The result, not surprisingly, is astronomical insurance costs for architects and engineers. Berreby reports that nationally a typical five-member engineering or architectural firm pays from \$5,000 to \$20,000 or more per year, with deductibles going from a minimum of \$2,000 to up to \$100,000.





## The Minnesota Architectural Foundation

Opening doors to the future for some of  
today's most creative minds

Founded in 1978, the Minnesota Architectural Foundation is dedicated to the improvement of the architectural environment through education, research, and preservation programs. It's a heady task we know, but at this time with so much of our architectural heritage threatened and the future of the built environment so uncertain, we feel the need to act.

If you'd like more information on the Minnesota Architectural Foundation and how you can help, please write or call:

Minnesota Architectural Foundation, 314 Clifton Avenue,  
Minneapolis, MN 55403 (612) 874-8771



# ABC: THE OTHER GUYS

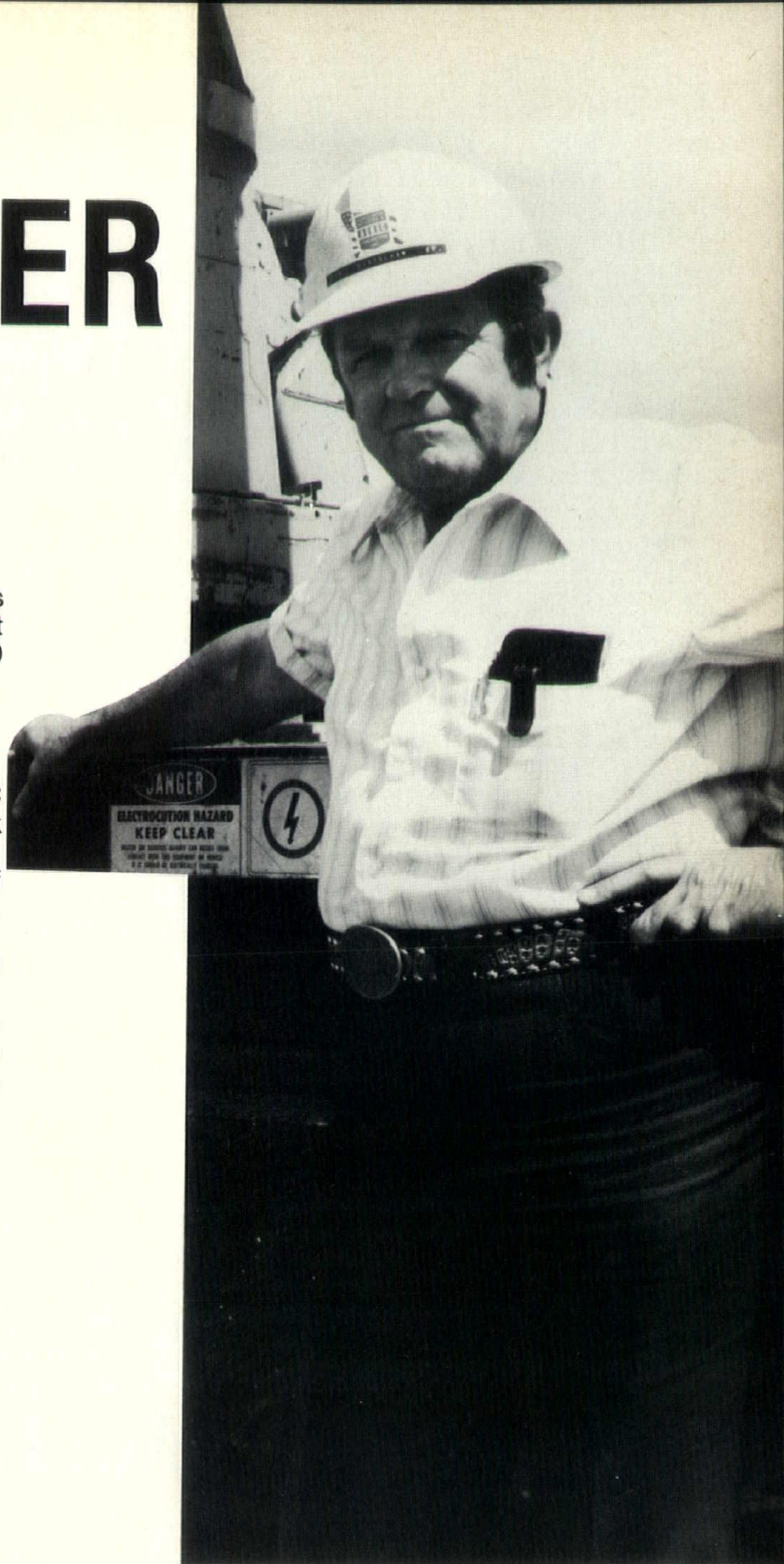
We're the Associated Builders and Contractors (ABC), an organization of more than 200 Merit Shop contractors in Minnesota and over 17,000 Merit Shop contractors across the country.

When we win a construction contract, we win it on merit... on the basis of qualifications, capacity to perform, and, of course, price. ABC contractors make it their business to work efficiently and complete their jobs on time. Without overmanning and without any loss of quality control.

"We've grown tremendously in the past 10 years. The reason is simple: we are productive, efficient, and cost conscious. We will continue to seek ways to improve productivity and to keep your construction costs down. And that's a promise.

"ABC has developed a 'construction buyer's service center' to assist in locating contractors for your next project. ABC will provide you with profiles of contractors in any area of the country with information on volume, bonding ability, manpower availability, performance history, and more. This service is available to you at no charge."

Donald E. Winkelman  
Winkelman Enterprises  
St. Cloud, MN



Please contact the Minnesota ABC office or write ABC's business development department, 729 15th St., N.W. Washington, D.C., 20005. You'll be pleased with the results. And that's a promise.

"SEE US AT BOOTH 322 AT THE MSAIA CONVENTION

**Associated Builders and Contractors, Inc.**

6300 Walker, Minneapolis, MN 55416 (612) 920-6220



THE OVAL OFFICE, THE PENTAGON, THE BERMUDA TRIANGLE. THE WORLD TRADE CENTER, LINCOLN CENTER, THE CENTER FOR DISEASE CONTROL. ST. JOHN'S, ST. PETER, ST. MARTIN IN THE FIELDS. THE KREMLIN, THE KNESSET, THE KU KLUX KLAN. THE HOUSE OF HOPE, THE HOUSE OF COMMONS, THE COMMON MARKET. CITY HALL, ORCHESTRA HALL, THE HALL OF FAME. THE CHAMBER FESTIVAL, THE SENATE CHAMBERS, THE CHAMBER OF COMMERCE. THE WAILING WALL, WALL STREET, THE WALKER. THE GREEN ROOM, THE RED SQUARE, THE BLUES BROTHERS. MOORHEAD STATE, THE STATE CAPITOL, THE VIENNA STATE OPERA HOUSE. THE FDA, THE FBI, THE AFL/CIO. THE HOUSTON SPACE CENTER, COSMOS, MN, THE MILLENNIUM FALCON. LUTHER COLLEGE, THE ELECTORAL COLLEGE, KING'S COLLEGE CHAPEL. THE FEDERAL RESERVE, THE ARMY RESERVE, THE LITTLE EARTH RESERVATION. THE SCULPTURE GARDEN, THE ROSE GARDEN, DER ROSENKAVALIER. THE WORLD BANK, THE WORLD THEATER, THE NEW WORLD SYMPHONY. THE OVAL OFFICE, THE PENTAGON, THE BERMUDA TRIANGLE. THE WORLD TRADE CENTER, LINCOLN CENTER, THE CENTER FOR DISEASE CONTROL. ST. JOHN'S, ST. PETER, ST. MARTIN IN THE FIELDS. THE KREMLIN, THE KNESSET, THE KU KLUX KLAN. THE HOUSE OF HOPE, THE HOUSE OF COMMONS, THE COMMON MARKET. CITY HALL, ORCHESTRA HALL, THE HALL OF FAME. THE CHAMBER FESTIVAL, THE SENATE CHAMBERS, THE CHAMBER OF COMMERCE. THE WAILING WALL, WALL STREET, THE WALKER. THE GREEN ROOM, THE RED SQUARE, THE BLUES BROTHERS. MOORHEAD STATE, THE STATE CAPITOL, THE VIENNA STATE OPERA HOUSE. THE FDA, THE FBI, THE AFL/CIO. THE HOUSTON SPACE CENTER, COSMOS, MN, THE MILLENNIUM FALCON. LUTHER COLLEGE, THE ELECTORAL COLLEGE, KING'S COLLEGE CHAPEL. THE FEDERAL RESERVE, THE ARMY RESERVE, THE LITTLE EARTH RESERVATION. THE SCULPTURE GARDEN, THE ROSE GARDEN, DER ROSENKAVALIER. THE WORLD BANK, THE WORLD THEATER, THE NEW WORLD SYMPHONY. THE OVAL OFFICE, THE PENTAGON, THE BERMUDA TRIANGLE. THE WORLD TRADE CENTER, LINCOLN CENTER, THE CENTER FOR DISEASE CONTROL. ST. JOHN'S, ST. PETER, ST. MARTIN IN THE FIELDS. THE KREMLIN, THE KNESSET, THE KU KLUX KLAN. THE HOUSE OF HOPE, THE HOUSE OF COMMONS, THE COMMON MARKET. CITY HALL, ORCHESTRA HALL, THE HALL OF FAME. THE CHAMBER FESTIVAL, THE SENATE CHAMBERS, THE CHAMBER OF COMMERCE. THE WAILING WALL, WALL STREET, THE WALKER. THE GREEN ROOM, THE RED SQUARE, THE BLUES BROTHERS. MOORHEAD STATE, THE STATE CAPITOL, THE VIENNA STATE OPERA HOUSE. THE FDA, THE FBI, THE AFL/CIO. THE HOUSTON SPACE CENTER, COSMOS, MN, THE MILLENNIUM FALCON. LUTHER COLLEGE, THE ELECTORAL COLLEGE, KING'S COLLEGE CHAPEL. THE FEDERAL RESERVE, THE ARMY RESERVE, THE LITTLE EARTH RESERVATION. THE SCULPTURE GAR

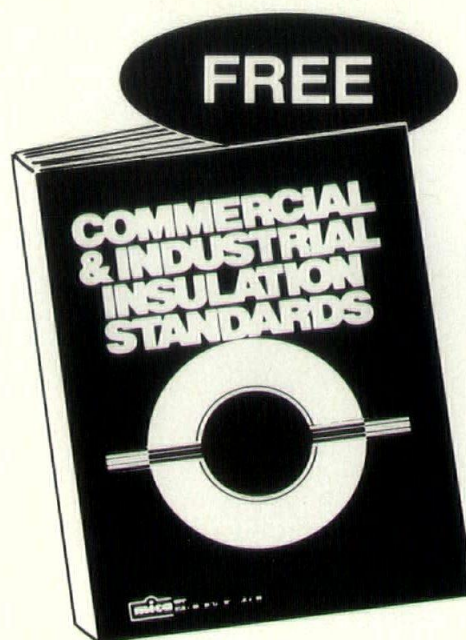
# The Walls Have Ears.

**EAVESDROP.  
LISTEN TO KSJN  
1330 AM / 91.1 FM**

Outside the Twin Cities listen to: KSJR 90.1 Collegeville-St. Cloud, KCCM 91.1 Moorhead-Fargo, KRSW 91.7 Worthington, KLSE 91.7 Rochester, WSCD 92.9 Duluth, WGGL 91.1 Houghton, Michigan  
MINNESOTA PUBLIC RADIO



# Your Need To Know



The widely acclaimed definitive standards guide. Contains 196 pages including 35 plates, plus glossary, tables and data. Handy 8½" x 11" size, loose-leaf bound to lie flat for easy on-site reference.

Compiled by the Midwest Insulation Contractors Association (MICA).

Keep up with your need to know. The Heat Frost and Thermal Insulation Education Fund has a limited number of MICA COMMERCIAL & INDUSTRIAL STANDARDS Guides available for use by design professionals.

For your free copy call or write:



**Heat, Frost and Thermal Insulation Education Fund**

766 Transfer Road, St. Paul, Minnesota 55114 • 612/646-2121

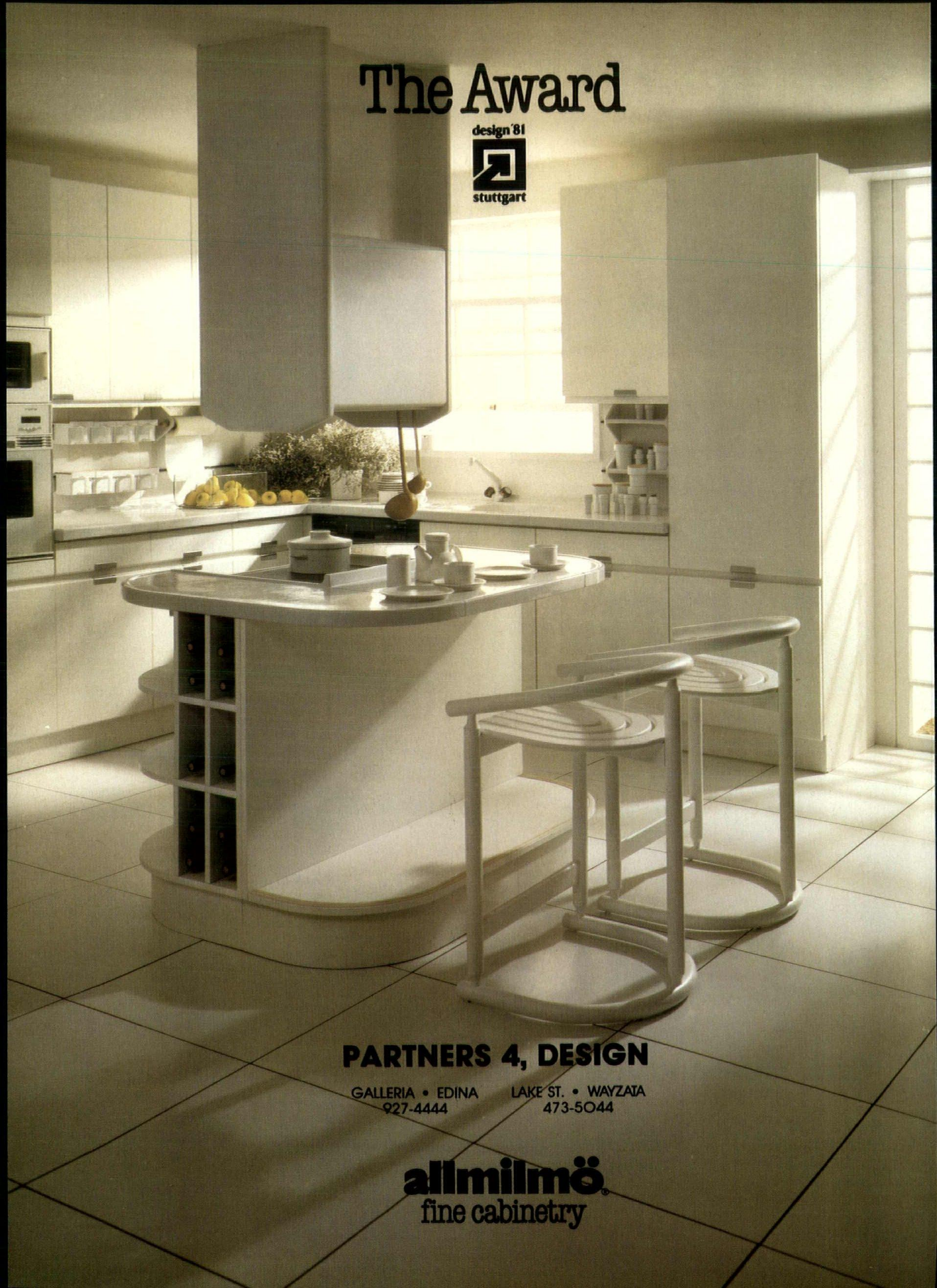
*"Human history becomes more and more a  
race between education and catastrophe."*

*H.G. Wells*



# The Award

design '81



## PARTNERS 4, DESIGN

GALLERIA • EDINA  
927-4444

LAKE ST. • WAYZATA  
473-5044

**allmilmö.**  
fine cabinetry



## What is an architect? What do architects do? Are they doing what they should be doing?

It is convention time again for architects in the Upper Midwest—as good a time as any to contemplate the state of affairs in one of society's chanciest vocations. Also one of its most ambiguous.

Strange to say, for example, no one seems to know how many architects we have in this country. The reason traces to the singular generosity architects express toward one another. Unlike dentists and beauticians and the other occupational groups which tend to erect licensing barriers against interstate access to work, architects champion a system of reciprocity. Thus, although the National Council of Architectural Registration Boards has guesstimated that it has about 54,000 licensed practitioners among its members jurisdictions, the actual figure is probably smaller; many are registered in more than one state, and the tiniest, possibly vainglorious fraction is registered in *all* of them.

Equally strange for a learned profession, architects are not of one mind themselves as to *what they do*. (Yes, together with physicians, attorneys at law and clergymen, they are considered learned.) The AIA's "Scope of Designated Services" document itemizes no less than 164 things an architect can do for you, including such a wildly varied few as "agency consultations," "determination of scope, parameters, schedule and budget for marketing studies," "studies of availability of labor force for clients," "preparation and/or coordination of environmental impact reports," "analysis of zoning principles," "life cycle cost and/or value analysis," "tenant-related services," "project promotion/public relations services," and "demolition services."

It follows—as NCARB discovered in developing its monumental two-year study of the practice of architecture as it affects the public health, safety and welfare—that being able to provide such a welter of professional services requires an awesome lot of know-how. Specifically, NCARB's study isolated 142 "knowl-

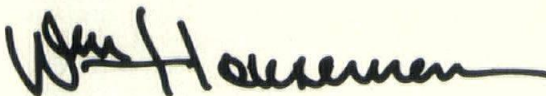
edges, skills and abilities" that could come into play as some hypothetical Paul Bunyon of an architect executed those 164 services defined by AIA. These "ksa's" range from "accounting principles," "acoustics," "aesthetics," "analytical ability," "architectural history," "architectural theory," "architectural principles," and "art history" to such disparate ksa's as "climate," "contract law," "earthquake forces," "interior furnishings," "natural sciences," "philosophy," "population statistics and theory," "taxes," "vegetation," "written communication skills" and "zoning laws."

Small wonder we see widespread confusion over what architects do. Sad, too, for while the young people aspiring to become architects struggle to gain possibly the broadest and all-around toughest of professional educations, most non-architects think all architects do is make blueprints. Sadder still is how underutilized the profession too often seems to be.

Available evidence suggests that architects are not being called on to do all they can and should do. In connection with its major study of architectural practice, NCARB organized two "user panels"—one whose participants were buyers of architects' services for their public sector employers, the other made up of their counterparts from the private sector. It was NCARB's purpose to learn from the "firing line" exactly which of all possible architectural services were in fact important to the people who hire architects. Key panel responses included the following:

- More than half the users said the site for construction is "almost always" selected before the architect becomes involved in a project.
- None of the panel members felt the architect is uniquely qualified to make "locational decisions."
- Overwhelmingly, the panels agreed "that design is the purview of the architect."
- But only 19 of 43 panel members assign the architect full responsibility for supervising the work of the general contractor during construction.

Not, I think you will agree, the kind of attitudes easy to live with. But what better time than during the annual MSAIA Convention to work harder for a concerted thrust to educate the educable? I wish a deserving profession the best of luck in a necessary endeavor.



William Houseman  
Editor



By John Louis Field

**L**ike images called up in reading one of Thomas Wolfe's novels, the big old houses on Mt. Curve Avenue are the evocative detail that recalls the essence of an old Minneapolis. There is something powerful communicated by the mixture of wood framed houses, their porches presiding over the gently curving street, and the imposing, vaguely Tudor houses set apart from the street by their expanses of lawn, with stucco and brick, half timber and great roof gables.

Together, these houses share the command of the hilltop overlooking downtown. They speak to us today of old money and power but also of the good old-fashioned values of stability, hard work and family. Many of these houses at the crest of the hill were mansions which continue today to set the prevailing scale of the neighborhood, even though the large lots have sometimes been subdivided and numerous one-story, stone-clad versions of the California ranch style have been interspersed among them. The grandeur of the homes on their hill has not been lost.

This is an account of the design considerations that affected the transition of perhaps the grandest of all the sites there: the corner of Emerson and Mt. Curve, where the Dunwoody Mansion and carriage house stood for many years. The mansion had its own park along Mt. Curve bordered by thick lilac bushes and a heavy wrought iron fence; the house itself stood farther back at the edge of a steep bank, wooded with elms, maples and poplars, beyond which the present skyline of Minneapolis could be seen gradually taking shape.

By 1980 the site had changed dramatically. Gone were most of the trees that had shaded the rolling terrain of the parklike garden; gone were the house and carriage house except for a few remaining foundations; gone were the woods that had covered the steep hillside leaving only volunteer new growth. The rusting wrought iron fence with its stone capped brick entry piers were the silent survivors of a zoning battle that had raged over this site for years and which had brought about its desecration and neglect.

Now, that was all past. The property was to be developed, but not as the high-rise condominium as once proposed. However, the economic value of the site still required development that was the equivalent of a 12-story tower with 84 units and garage space

for about that many cars. This area would be generated in 41 new townhouses with parking in each one.

The impact from such development would be less than the condominium tower; but the nearly four city blocks of street frontage in that site meant that whatever happened, it would be important in the future character of that neighborhood. The question was: would all these old mansions soon go? And shouldn't this project set a new tone? Wasn't there already such diversity in styles and materials that there was nothing to which a new design could relate? Townhouses can take many forms, so perhaps the most exciting and saleable would be a terraced hillside development with those spectacular views?

It was in an early pre-design meeting with the neighbors that a concept for this site began to evolve. Even though life in these mansions was quite different today from that 50 years ago, they were still going to be used one way or another. And as the neighbors pointed out, there was a grand scale to the houses there. "It would look funny to make a bunch of little houses here," they said.

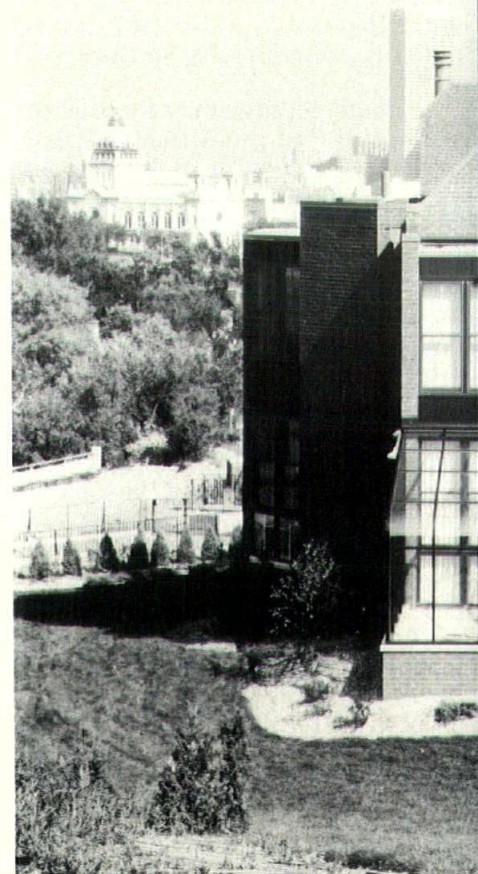
Scale was the character of that site that gave the neighborhood its continuity. What is more, the diversity of materials in the houses nearby was not so great that choosing any one of them could unify the street just by the extensive use of it here. In addition to the street's three-story scale, the houses on it helped to define it. They were often set back, but they remained in line with the street and reinforced the sense of its curves and its rising and falling.

I want to make a definition at this point that is important to understanding the urban planning hybrid that was developed at Mt. Curve Place. I believe the difference between urban and suburban is that urban buildings define the space between and around them, while suburban buildings remain separate elements in a landscaped setting. Economics and building for a contemporary life style required density on this site far beyond that of the rest of the neighborhood, and yet the feeling of open space and views was expected by most buyers as they saw it all around them on Mt. Curve.

There are fine residential areas in many American cities in which this density would not seem at all intense. But Minneapolis is not one of them. Reinforcing the idea of maintaining the definition of the street with the new townhouses was the decision that us-

# COMMI DEN

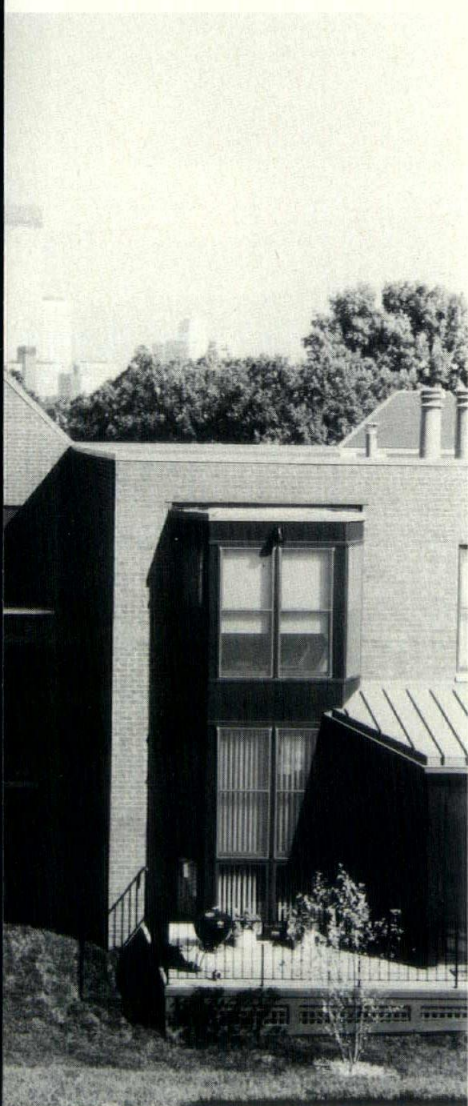
The question is not w  
or low, says the archit  
a condominium proje  
the grandest of old M  
enclaves. Rather, it's  
signed to co-exist sym





# ATIBLE CITY

the density is high  
Mount Curve Place,  
ently built in one of  
opolis residential  
er the new is de-  
ically with the old.



FRANZ HALL

ing the steep slope was ill advised in planning for Minneapolis winters. Clearly what had to happen here was a kind of hybrid of the St. Paul MacKubin Townhouses with the urban scale of Louisberg Square in Boston and the adaptability for following the street pattern on the order of London's crescents.

Perhaps the wonderful old houses of Amsterdam are most similar in both scale and form to the existing Mt. Curve forms. If you look closely at those rows of houses that line the canals of Amsterdam, they are big—four or five stories without front or side yards. They do, of course, overlook the canal and trees along the street at its edge. They are remarkably gracious housing because they are part of an urban design plan of superblocks at their most successful.

Unlike the later Le Corbusier's concepts based on beautiful plan forms, these superblocks are based on the paths of the old canals set at odd angles to each other, bending gently at times between canal intersections. This plan is highly urban in that each house agrees to live with its neighbors as they line up and together define the canal space, edging it at the sky with their gables. There are no wasted or unusable spaces between houses; instead, within the heart of the superblock is an urban park shared by all the houses. Each house has its own small private, often walled garden adjacent to it; beyond are the common gardens available to all who live there.

The concept is basically the same as many low-rise condominiums today, but we are now forced to design housing that accommodates the parking of cars, a necessity which would compromise the quality we appreciate in Amsterdam. The size of these buildings is important in considering this kind of urban planning. In Amsterdam, they are comfortable with the scale of both the street and the garden even though they are four or five stories tall with floor to floor heights that far exceed our meager 8' ceilings and with extremely high peaks on the gables. If these were only 18' high in two of our stories, the garden would be little affected—but the presence of the street as a place would have lost its strength.

Continuous rows of townhouses, whatever their scale, would not totally fit into the continuity of Mt. Curve. But it can be combined with a different tradition—that which has been best developed in the American suburbs: the superblock planning of Radburn, for example, where houses float in

lawns beside roads and share a park area in the mid block. In the same period, Chatham Village in Pittsburgh was designed as a slightly different variation, where the townhouses were grouped along the road with a central park area behind and used the rolling terrain as part of the design. At Chatham the small units were grouped together and, if they had been three stories instead of two, they would have seemed very much like the Mt. Curve area.

If you took these groups of units at Chatham and brought them closer together to increase the density, you can see that the suburban attitude cannot be compressed and still achieve a really liveable urbanism. Foxhall Crescents in Washington demonstrates this clearly. The larger houses have been brought closer and they fight for air regardless of being orchestrated in their forms and materials. The street is overwhelmed by the big shapes at its sides, even though they do define the space. It's not a pleasant street. It's a spatial chaos.

All of these considerations in the design of a density compatible with old Mt. Curve have been taken into account dealing with the buildings, the spaces around them, and with the design of an architectural scale for continuity. Equally important in the successful design of contemporary living in denser living patterns is the best use of smaller interior spaces and the maximum illusion of privacy through controlling the view out of each window. What you don't see is as important as the view. This is post-picture-window design. It is a rediscovery of the Italians' subtle contriving to discover the outlook anew from each window.

Density isn't an architectural problem that is easy or forgiving of mistakes. Denser living tangles up people's lives in trivial infringements on each other's territory. Our cars share drive space. Rainwater crosses our paths. Our lights shine in our neighbor's window and our garbage has to be near the front door. But on the other hand, the houses fit better our contemporary lifestyles. Shared gardens and pools are maintained without worry, and the older special parts of our cities can be preserved by integrating this kind of transition into those areas where density can make a better neighbor.

*Minneapolis-born John Louis Field is a principal in the San Francisco firm of Bull Field Volkman Stockwell.*



## High-quality Mount Curve units reinvigorate stately old area

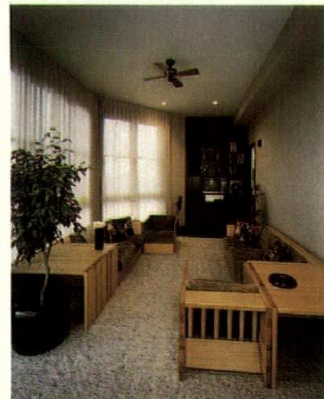
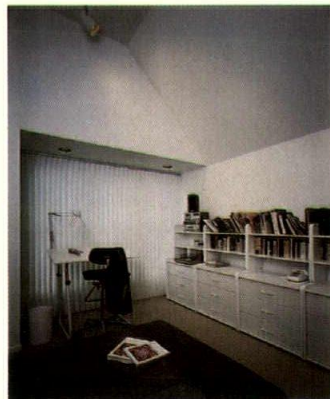
Important as compatible density may be in the marriage of grand old mansions and modern condos, the existing quality of neighborhood life must also be served. Thus such values as space and spaciousness, fine materials and a sense of privacy are manifestly evident in the Mount Curve Place project. The unit shown here, for example, provides nearly 3,500 square feet of living space—the equivalent of a large two-story Colonial house, but with greater volumes owing to its ten-foot ceilings, a three-story oval-shaped stairway, and generous bays affording the owners, Gary and Cooky Hoffman and their two teen-age sons, superb views of the Minneapolis skyline. The neighboring old mansions can scarcely match such generous amenities.



PHOTOGRAPHS: FRANZ HALL

**The Hoffman family's Mount Curve Place condominium accommodates their personal and aesthetic values as fully as a free-standing, custom-designed house might have. Indeed, working with interior designer Gary Hovda, the Hoffmans were not only able to specify all flooring and wall finishes (marble squares in the dining room and entry foyer, for example) but also to make structural changes. The TV-music room (far right) was to have been a screened porch in the original plan; and a terrace off**

**the kitchen has been made into a delightful solarium-breakfast room. Self-proclaimed "minimalists," the Hoffmans have designed their living and dining rooms to capitalize on a rare, fine asset: spaciousness. The two rooms are visually separated by a change of levels, and the living room's window wall bay affords a superb view of the Minneapolis skyline. The two sons' rooms (right) are admirably organized to store—and keep stored—a plethora of possessions.**

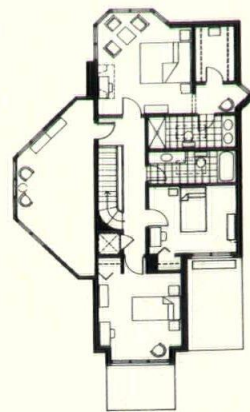




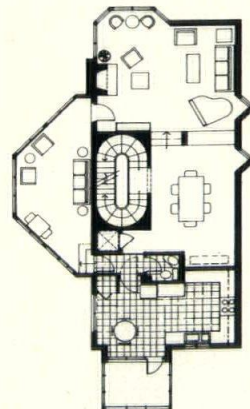


The master bedroom offers the same skyline view as the living room (left). Entrance at ground level (see plans) opens on an inviting foyer. Generous storage room has been made into a computer center by the two sons. Open oval stairway rises three stories, thereby becoming a visual attraction of grand proportions. Tile-floored kitchen, (far left and plan), though average in square footage, is designed to make full use of three walls for food preparation and appliances, with the fourth wall opening through glass doors to the all-glass solarium-breakfast room. The development's three-story units provide for an optional private elevator.

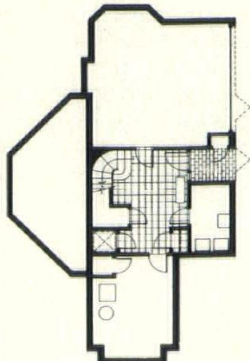
Three-story unit ensures separation of social and personal spheres



**Second Floor**



**First Floor**



**Ground Floor**



# A Long Memory for Architecture

By Deanna Marohn Bendix

**D**elving into the extraordinary architectural career of LeRoy Gaarder, 91, is like unlocking a fascinating and long-lost time capsule of Minnesota architectural history. Gaarder's conversation is unselfconsciously laced with the names of architectural pioneers: Cecil Chapman, Edwin Hewitt, George G. Elmslie, William Purcell, George Feick, Frederick Strauel, Lawrence Fournier, William Steele, Louis Sullivan, Frank Lloyd Wright, Howard Cheney and Bertram Goodhue.

To Gaarder, these people are not distant historical figures but living memories from his own colorful past. They were sources of inspiration, mentors, colleagues and personal friends.

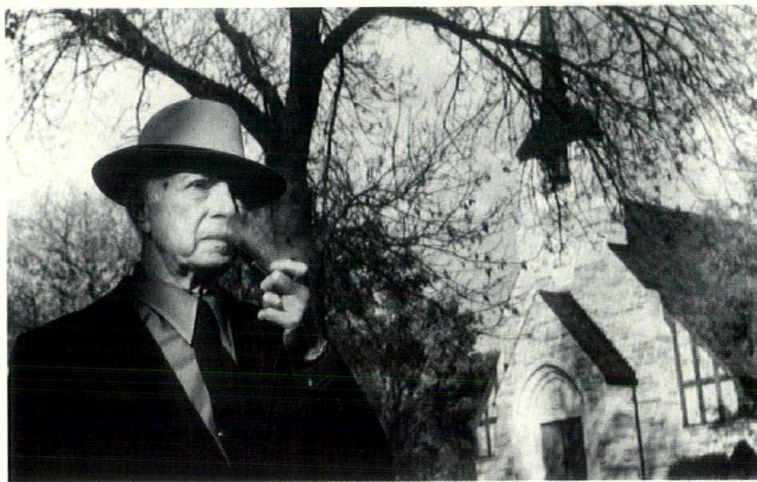
One is caught up by the illusion, as the scenario of Gaarder's career begins to unfold in 1912, of the architect suddenly young again—a lanky, blue-eyed blond Norwegian from Wisconsin. Fiery and driven, he pursues a position soon after arriving in Minneapolis with the prestigious firm of Purcell and Elmslie. His fellow student architects marvel at his naive audacity. He gets the job, of course.

Later, when Gaarder leaves the firm to strike out on his own, it might be imagined that he follows the lead of his famous mentors—the two men he readily acknowledges as giants and members as cherished friends. But no, Gaarder did not do this at all. Instead, he turned his back on the “new architecture” so resolutely that one is hard put today to discover a Gaarder building that apes anything Purcell and Elmslie ever did.

Gaarder's own forceful personality and intense convictions about the importance of certain historical styles, which he had also been schooled in, compelled him to follow a completely different course. The “theatre of memory,” in Colin Rowe's words, held

more allure for Gaarder than the “theatre of prophecy.”

As an architect of churches, he cast aside the ostensibly new and looked instead to the great European past for architectural relevance. He nourished a need to become a part of a deeper and, in his view, richer architectural tradition. Moving against the current, he designed some elemental yet elegantly refined stone structures in the



DEANNA BENDIX

late Gothic expression that suggest a primal desire for permanence. They are deeply felt buildings: strong, practical and affecting.

How did Gaarder make such a conspicuous leap? “It was easy for me,” he says today. “I could see through this Prairie School Style so easy. I couldn't set my life on it. I felt there was a base in the classics we didn't have in the Prairie Style. When I saw French architecture, I said, ‘That's for me. Forget about Purcell and Elmslie.’ I went to the classics. I stuck with it.”

When Gaarder arrived in Albert Lea in 1920, he was seriously in debt. The banker in town helped get him a small bank job in Rake, Iowa. He also designed two residences in Albert Lea. These three buildings, he says, show some influence from Purcell and Elmslie. “One, two, three—that's it,” he declares.

Oddly enough, Gaarder's preference for European classical styles now rings with a different tone in a post-modern era. Stripping buildings to the bone to prove modernism, function-

alism or purity was a penchant he never struggled with beyond his apprenticeship. For one thing, he never confused modernism with removing embellishments from buildings or divesting American architecture of its affinity with world tradition.

For another, he was sufficiently remote from the limelight in southern Minnesota to “get by” with following his own star. Finally, he was working too long into the night during tough economic times to fret unduly about architectural stylism. In his 52 years of active practice, he designed 18 churches and chapels, as well as various other structures—mostly in southern Minnesota. His only assistance came from his wife, Gladys, who acted as receptionist and typist.

The third of four children, Gaarder came from a picturesque area of Wisconsin called Otter Creek. His father, Hans, was a deep well driller who had immigrated from Norway when he was 14. His mother, Nellie, was also of pure Norwegian descent.

In his growing-up years, Gaarder was aware of the presence of a famous Wisconsin architect who lived nearby. “My father taught Frank Lloyd Wright to swim in Lower Otter Creek,” he recalls. “Wright's office was just a few miles from my home in Dodgeville. His father was a sort of free-

lance minister and a musician. My father took violin lessons from him.”

Gaarder attended St. Olaf College as a freshman, but instead of returning for his sophomore year he went to work in Minneapolis for Cecil Chapman. “He was very good to me and put me on quite serious work quite early.”

The following year, 1913, the University of Minnesota established its school of architecture. Gaarder recalls that a prominent architect named Edwin Hewitt, who had graduated from Pascal's atelier in Paris and later designed St. Mark's Cathedral and the Hennepin Avenue Methodist Church, induced the professors at the new school to introduce an atelier of their own. It was patterned after the famous Beaux-Arts atelier in Paris and devoted to giving student architects a firm background in classical architecture.

Gaarder explains how the atelier worked: “Qualified draftsmen could participate in special architectural problems—three or more of them a



year. The work was night work, for these men had to work days in offices to survive. They were not regular university students. The usual periods of work were on Tuesday and Wednesday evenings and Sunday. Each problem was five weeks long, with one week off for a much-needed rest. Each project was supposed to end on Sunday at midnight, but we usually continued till three or four in the morning, mounting up the work for shipment to the atelier in New York, where the 'immortals' back there would judge it."

In 1915, Gaarder interviewed for a job with the already-famous firm of Purcell and Elmslie. He was hired as a junior associate and soon became an indispensable member of the firm. George Elmslie pushed more and more work at him, and the young draftsman formed a close relationship with the firm's leaders.

He recalls their special talents: "Elmslie was a great artist. He was very much like Louis Sullivan. Sullivan was a man who could do some old-lady lace collar idea and develop it to a high point—very ornate, very detailed. Elmslie would prepare a rough free-hand sketch, beautifully done, and the associate architects had to have the skill to make the idea a concrete reality."

Purcell, he says, was different. "He was younger and aggressive.

He knew everybody in the United States. He traveled a lot and, oh, he had ideas. He was the one pushing everything."

One of the most important jobs Gaarder was given was the institutional School and Hospital in Siang Tang, Honan Province, China.

Near the end of 1916, a major invitation came to the firm. George Elmslie was one of two American architects selected by the British Government to make competition plans for the Australian Capitol and House of Parliament. "I gave up most of my work at the atelier," Gaarder says, "to work nights on the project with Mr. Elmslie in a separate and secret locked-up room. Our code name for the project was 'South Sea Bubble.' We never used the words outside the office."

Without warning, a cablegram arrived from London instructing Elmslie to "stop all work." No explanation was necessary. "We knew that war clouds were hanging over us," Gaarder recalls. "Elmslie asked me to stay on at least one year longer, for he had ar-

ranged with a Chinese divinity student in Chicago to be an interpreter during the proposed construction of the Siang Tang project."

Gaarder did not want to go to China and regretfully declined the assignment. On Elmslie's next trip to Minneapolis from the firm's Chicago office, he encouraged Gaarder to join him in Chicago. "I don't want to brag," Gaarder says today, "but George Elmslie just plain loved me."

In the end, he also decided against joining Elmslie in Chicago. "Pulling away from Elmslie and Purcell was one of the most difficult decisions I've ever had to make. I could not know that in five short years the partnership would be history. The alliance ended when Purcell had to go to a warmer climate for his failing health."

Ultimately, Gaarder became involved in church architecture. "I was

little church the feeling of real permanence and refinement," he says. "I started with a decent reinforced concrete floor. I was concerned with walls that were strong, trussed and high enough. And I made it narrow and long. It cost \$30,000 and went over big. It won first place in the synod and was publicized all over as the model church for small congregations."

By 1929, Gaarder had completed plans for the First Presbyterian Church in Albert Lea. It has a darkly atmospheric sanctuary dominated by a huge stone tracery window inset with brilliant stained glass. (Stone tracery windows are a trademark of Gaarder's work.) For the first time since his 1920 arrival in Albert Lea he found himself "in the black." He also found himself "crowding 40." In light of that, and with his new status of solvency, he wasted no more time—he married.

More hard times were yet to come, however. The depression struck. The Gaarders, who were to become parents of their only child, Jerome, in November 1930, found themselves hard put to pay the grocery bill. "We struggled along scratching the bottom of the barrel," says Gaarder.

In 1934, there came a "godsend." Gaarder was called to Washington, D.C. on a crash emergency program. He represented the North Central area including

Michigan, Wisconsin and Minnesota. As a consulting architect, he planned federal buildings on short-term contracts through the Treasury Department. "I have always felt that George Elmslie had in some way influenced my being chosen as a consulting architect," says Gaarder.

Returning home to Albert Lea in 1935, Gaarder began to contemplate moving his practice from Albert Lea to Minneapolis. But in 1936 the Bishop of Winona Diocese, His Excellence Frances Kelly, contacted Gaarder for a private interview in his home. The bishop, who had previously interviewed 18 architects, invited Gaarder to take on an "appointment for life" as architect of Queen of Angels Church and parish buildings in Austin. Gaarder accepted the challenge and began to design seven different units. This large complex of buildings ultimately required 27 years of Gaarder's life.

The Queen of Angels complex demonstrates Gaarder's desire to capture

At 91, Albert Lea architect LeRoy Gaarder recalls the pre-modern movement with a vividness most of us apply to nothing earlier than the Vietnam War. Purcell and Elmslie, Louis Sullivan, Frank Lloyd Wright, Howard Cheney and Bertram Goodhue—he knew them all as an everyday presence.

immensely interested in the Gothic style, which, to me, was mainly the work of Bertram Goodhue. He of all architects is my idol. Anything that he did was really something in my estimation." Gaarder delights in showing a book of Goodhue fantasy drawings of Gothic cathedrals done in exquisite detail and bathed in a romantic aura. Goodhue's imaginative and archetypal cathedrals helped trip Gaarder's creative mind.

Gaarder's churches, while contemporary in their construction, were inspired by the spirit of Gothic cathedrals. Aware of the prejudice against taking direct inspiration from historical styles for modern structures, Gaarder calls his architecture a backlash, a personal statement which stands against what he considers the deplorable lack of art in churches and other buildings today. He also hesitates to label churches "Gothic," fearing that for many people it conjures up images of "frightful wood bric-a-brac."

His first church job was Salem Lutheran in 1922. "I wanted to give a

Continued on page 71



# In-Town Interiors

Two new downtown dining spots—one Roman by predisposition, the other English pub-like—and two downtown apartments—one minimal and colorful, the other minimal and aeronautical—argue the case beautifully for living in the midst of the urban action

## Italian idea: an interplay of diners, pasta performers

Like most superior restaurants, PRONTO Ristorante in the Hyatt Regency Hotel, Minneapolis, can count on its menu to bring customers back again and again. But, quality cuisine is one thing and the setting for enjoying it is another. (Often, of course, good food is served in bleak surroundings.) At PRONTO a person dines well in a crisp composition of starched linen, rose buds, shiny brass and pasta makers displaying their skills in full and appreciated view. And fair enough, since the management of PRONTO is seeking to cultivate a faithful following. "We would like people to consider this their own neighborhood restaurant," says designer and part owner Phil Roberts. "We see ourselves as a restaurant in the European tradition that appeals directly to the residents of the surrounding area."

PRONTO is one of several like-named restaurants (the first one opened in New York City). Like its sisters, the Minneapolis PRONTO features a centrally located, see-through pasta kitchen and clean white-tile look that encompasses an expanse of dining tables on two levels. Assisted by architect Al Raymond of Shelter Resources, Inc., Phil Roberts modified the New York plan to fit the Hyatt space. He also added a darker, softly lit formal dining room and a still darker cocktail lounge called the "Monkey Bar." The simian name refers to a jungle-gym centerpiece of highly polished brass and chrome, where the young and agile seek their own level while imbibing. Good to look at as a restaurant, PRONTO actually owes its instant success to a snappy design attitude that carries through all the details: the tableware, the pasta-fashioned ornaments, the imaginative look and content of the menus—even the waiters' costumes.

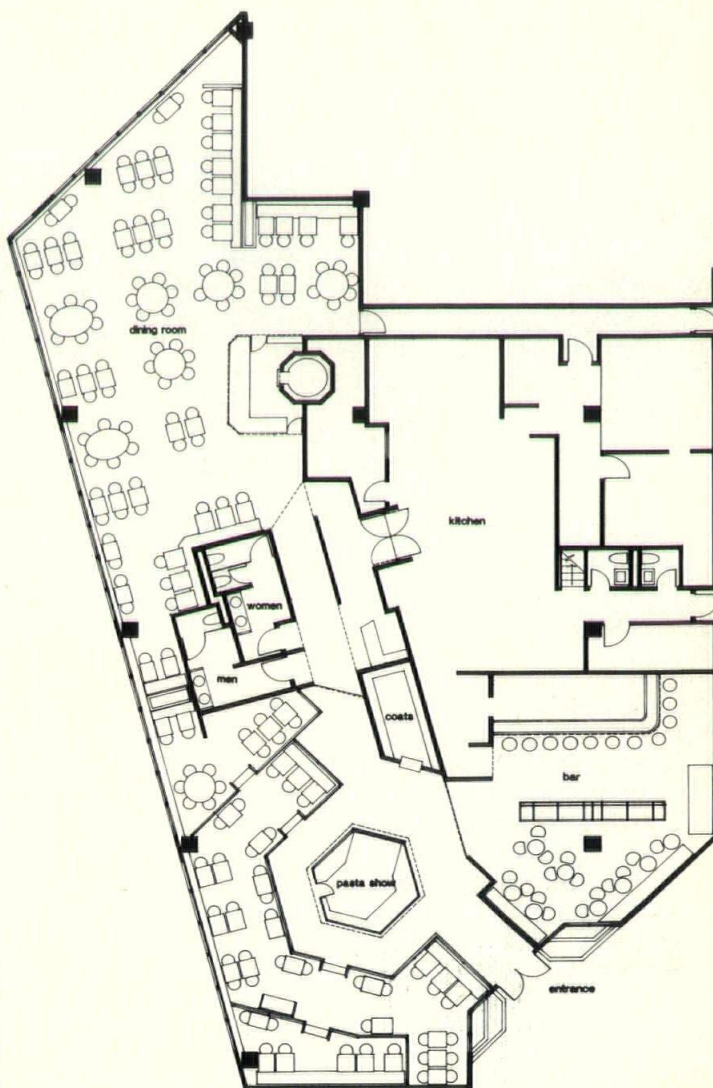




# PRONTO



PHOTOGRAPHS: GEORGE HEINRICH



Center-stage in appearance and purpose, the pasta kitchen commands the diners' amused interest. Here, in full view of every table, the chef's assistants prepare fresh pasta and sauces all day long for an appreciative circle of spaghetti mavens. Bright lights, stainless steel pasta racks, countertops of Italian Carrara marble, and white floor tiles and walls produce a spanking fresh setting.

Seating is arranged around this focal point on two-tiered platforms, with brass railings defining the dining sections, as in an amphitheater (left). Neatly set tables with real linen napkins and table cloths, polished silver, cut crystal water glasses and bud vases with flowers all



make for a white-on-white composition against the white tile floors and walls. Vignettes of fruit, cheeses, bread and a featured wine (above) are displayed prominently to state the restaurant's theme in a visually appetizing fashion.

As the plan makes clear (above), PRONTO is actually two restaurants in one. Or, if you count the establishment's cocktail lounge, three distinct settings. The marketing strategy is astute: As a bright and cheery showcase, the white-tiled front restaurant expresses the bustling informality of a Roman coffee bar. Then comes a visually subdued corridor which the owner has whimsically called "the decompression chamber." It leads to a second dining room of striking contrast. With low lights and softer surfaces, it is the dressy place to dine. The tables are kept to the room's perimeter, thus allowing a pleasant view of the comings and goings on Loring Greenway.



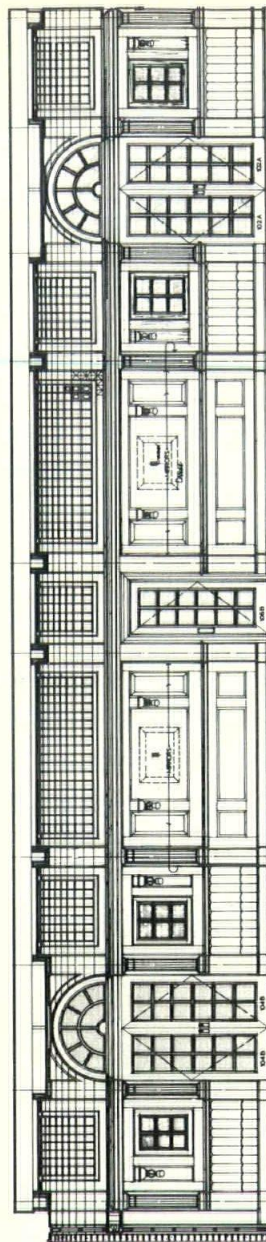
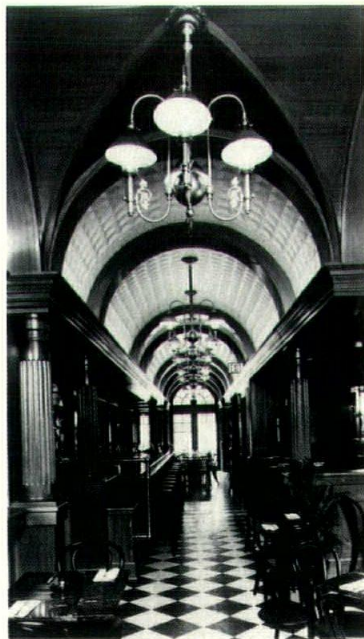
## Sign of the times: Doric columns in a corner bar

The new Times Bar & Cafe is doing a brisk business in downtown Minneapolis these days for two time-honored reasons: an ideal location (across from Orchestra Hall) and a harking-back ambience few patrons can resist. Harking back to what? Well, a Beaux Arts plan, a little low Victorian, a little Greek Revival,



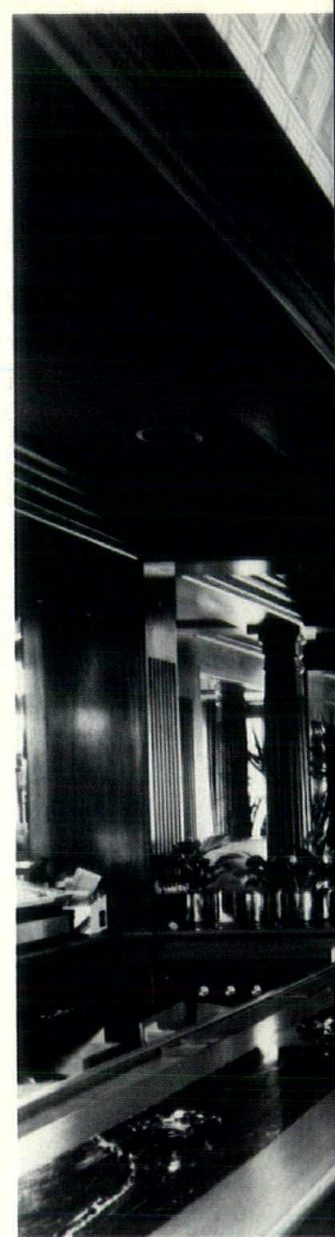
and maybe a touch of Wall Street cafeteria. The details are the kind you'd find in mellow English pubs: dark wood paneling and trim, fluted doric columns and brass chandeliers, even stamped metal ceiling vaults—the kind that went out of style in the late 1920s. According to architect and owner Tim Geisler of Design Consortium, Inc., there were several good reasons for this scheme, not the least of which was the public's apparently renewed interest in traditional settings. "We designed the place to appeal directly to the office crowd, the lawyers, business men and women, anyone who would like a place to get away from the noise of work," says Geisler. "When it comes down to it, people like this stuff."

# The Times



Occupying a restaurateur's dream location on Nicollet Mall, across from Orchestra Hall and the new WCCO Building, The Times Bar & Cafe makes its presence felt. Generous-sized windows along the front and side not only admit daylight but also let passersby have a peek inside. (The entire front of the restaurant is designed, incidentally, to open onto the Mall; plans call for food service on the sidewalk next summer.)

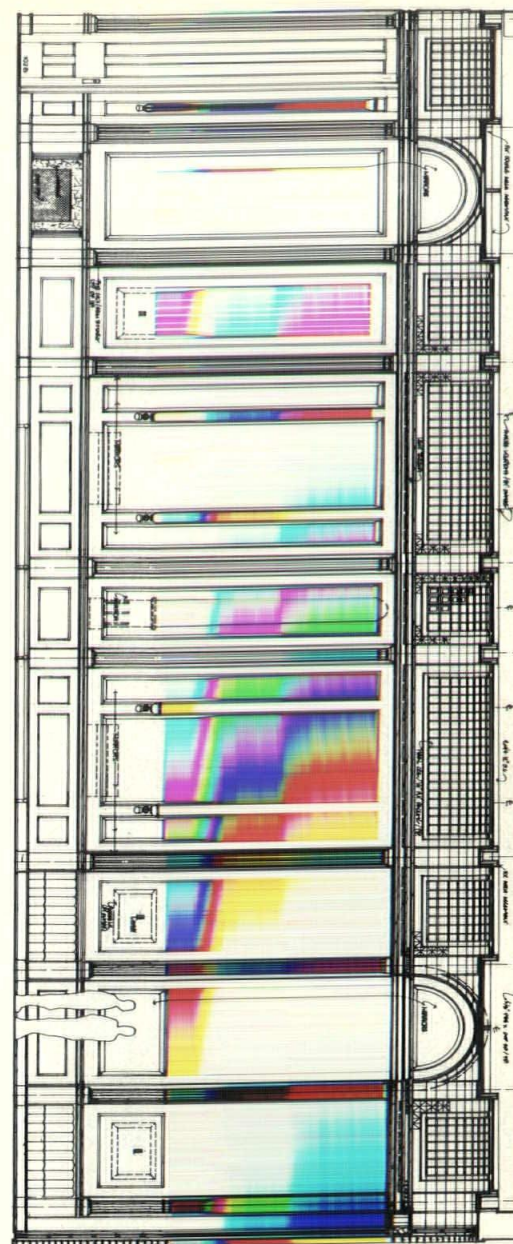
Mahogany paneling, columns, trim, and intersecting vaults were all carefully orchestrated to capitalize on the current yen for traditional settings—in this case 19th century lawyers' offices. The use of quality materials and skilled craftsmanship throughout is especially noticeable in



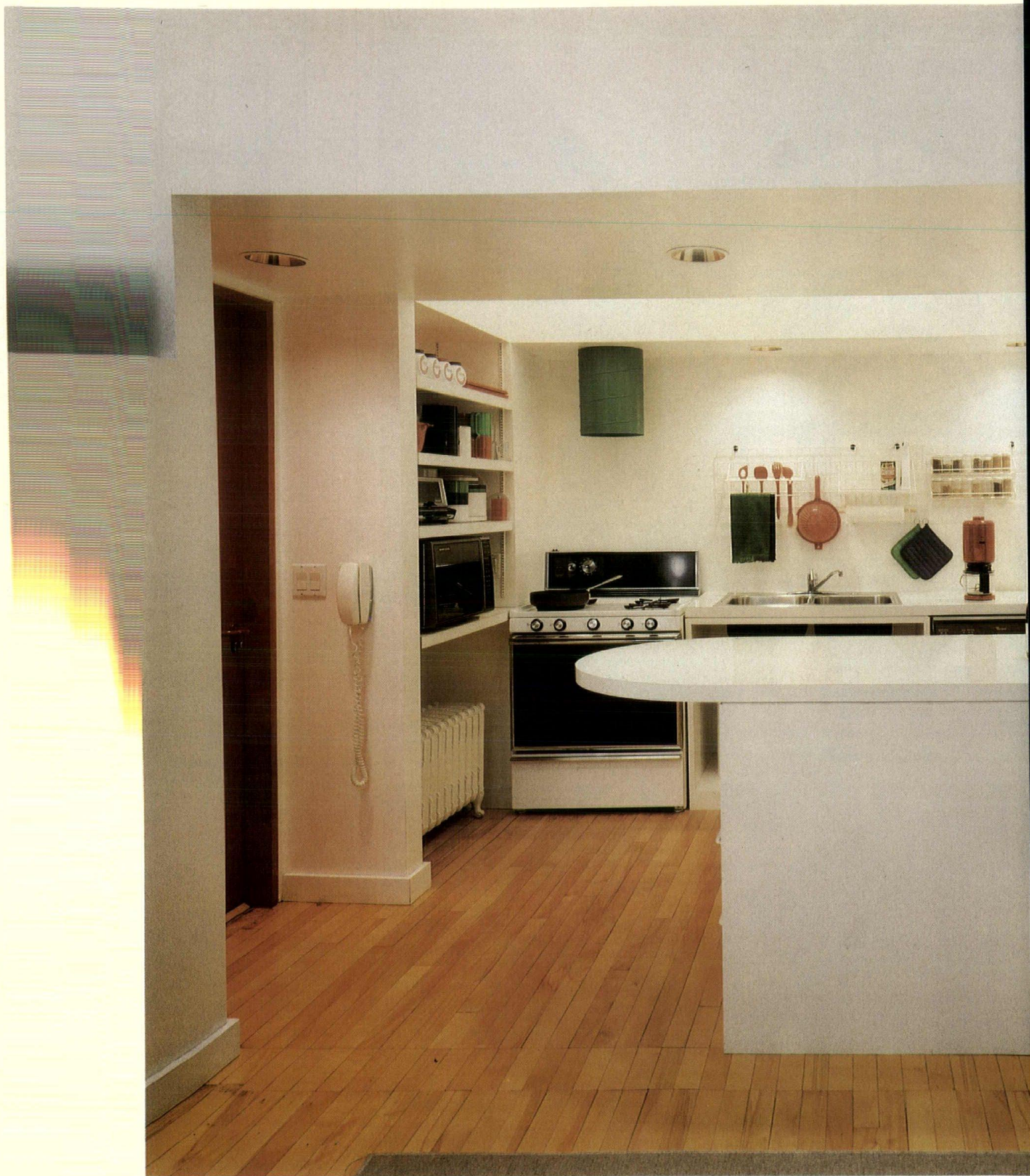
overhead wooden cornices, bar details, and green veined, black marble topped tables (right). Coolers behind the bar were custom fitted with mahogany panels and brass door pulls to maintain consistency of design motif.

Though only 20 feet wide, restaurant space skirts claustrophobic problems through 12 foot high ceilings (left) and adroit sectioning of the floor space into smaller dining areas. Not inconsequentially, high ceilings allow smoke fumes to rise naturally, thus keeping the lower seating areas clear for customers.











## A snug satellite home within a larger one

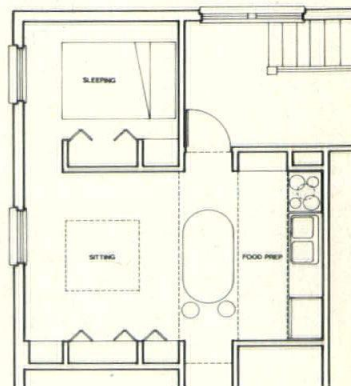
Deft is the designer who can make a small space a nicer living environment than a large one. Such a magician is Sanford Stein, a busy interior and graphic designer who, working out of his home, finds little time for domestic fuss and feathers. Hence the spare counter space, open shelving and storage racks, plus lunch-counter style seating in the kitchen/dining area. This same economy of design has been adroitly applied to the entertainment and sleeping spaces as well, providing a surprisingly expansive space in just 300 square feet. This is a mere one-fourth of the square footage actually available in his apartment. Indeed, after living in the apartment for more than two years, Stein found that's really all he needs. "I could easily forget the front half, live in just the remodeled part, and not feel cramped at all," he says. Far and away, however, it is Stein's sparkling use of color that elevates wit and style to a high level of livability.



PHOTOGRAPHS: PHILLIP MACVILLAN JAMES

The dining table serves double-duty as a preparation table in this small but efficient kitchen (left). Walls were removed and ceilings lowered at certain points, with the happy result that each functional area gains a greater sense of spaciousness by means of "shared space." Adaptive reuse of a spiral heating duct, painted bright green, makes a handy stove vent.

Rooftop skylight above entertainment area (above) keeps the space awash in bright daylight and lends an illusion of extra height. Of course, the designer's best ploy is the emphasis placed on white walls and ceilings to make the color accents snap smartly.

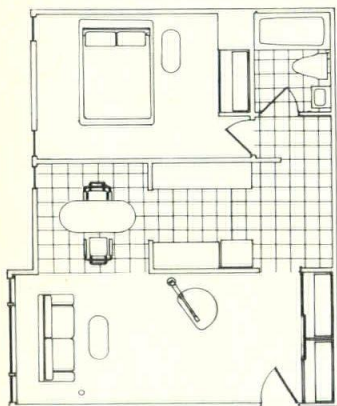




## A pilot opts in his house for Bauhaus

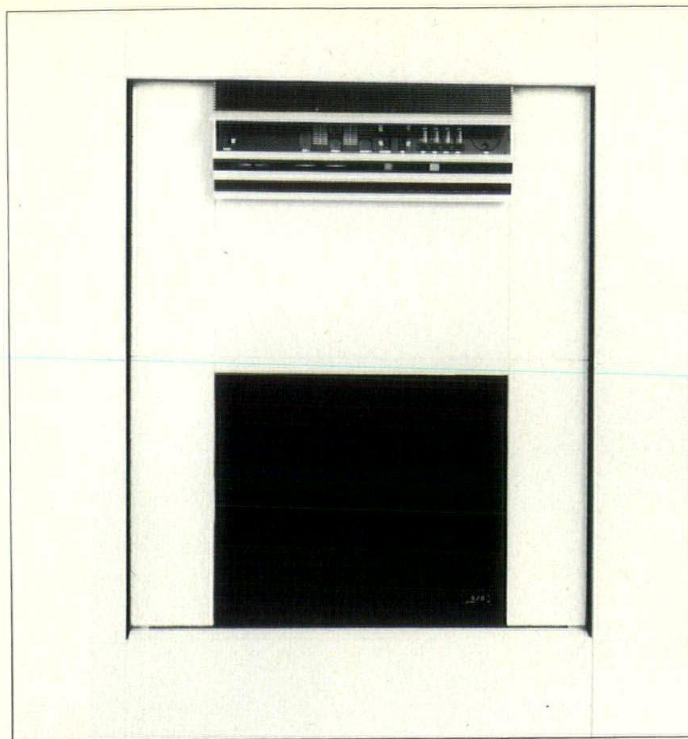
Even among the young, there lurks a hankering for the Bauhaus. The bachelor apartment of architect Allerton Paulson, Jr. offers proof positive. It is spare as spare can be. But on closer study, Paulson's eye for authentic detail and perfect proportion becomes apparent. For example, the living room with its gray, white and black color scheme is a subtle balance of solids and voids, lines and planes; so much so, in fact, that the errant element would spoil the game plan.

Throughout the apartment there are frequent references to the designer's favorite subject, flying. A licensed pilot, Paulson commissioned the painting depicting a "cloudscape;" framed "posterized" photographs of vintage fighter planes hang on only one wall, and a custom designed, floor-mounted coffee table swivels like those found in the lounges of executive jets. All of these details are reminders of a machine aesthetic which by aerodynamic necessity must keep fittings to their essentials. Even the dining area has been restricted to a single table and two chairs; and materials have been limited to industrial rubber floor tiles, rough textured platemetal decking for the table base, and wood and chrome pipe for the seating. Though not everybody's cup, this apartment nevertheless demonstrates faithfully Paulson's adherence to design minimalism.



Looking very much like a control panel in a futuristic space ship, the entertainment center in architect Al Paulson's apartment (top right) treats the stereo tuner as if a museum sculpture of painting. Side panels are saw-cut particle board painted flat gray; speaker grill is a standard 2' x 2' drop-in ceiling grid painted black.

Expressing exemplary Bauhaus sparseness, the architect's dining nook (right) evokes an aeronautical motif in specially commissioned cloud painting and in round-ended black plastic laminate table mounted on an aluminum column. Paulson acknowledges inspiration for the design of this and matching coffee table comes from an historic photo of the smoking lounge of a 1920s dirigible.





# The Anatomy of a Recital Hall

It is decidedly untrue of recital halls that if you've seen one you've seen them all. Consider, for convenient example, St. Olaf's Urness Hall shown here. The design product of the Northfield firm of Sövik, Mathre, Sathrum, Quanbeck, this 54' by 70' space was many years in the planning—and is still being fine tuned, in both the musical and architectural sense.

In the six years since its dedication on the campus of a college world famous for its music program, Urness Hall has been used intensively for all manner of voice and instrumental recitals. Yet it has never quite fulfilled all of the expectations of the architect

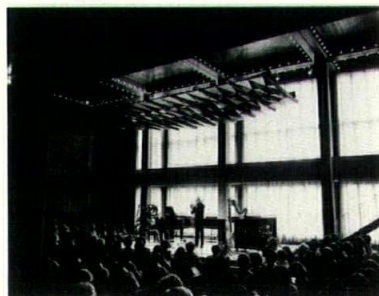
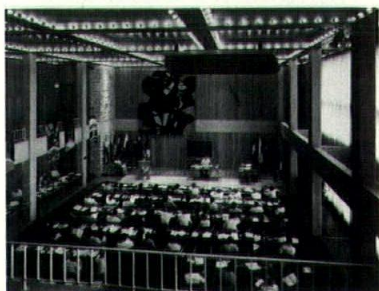
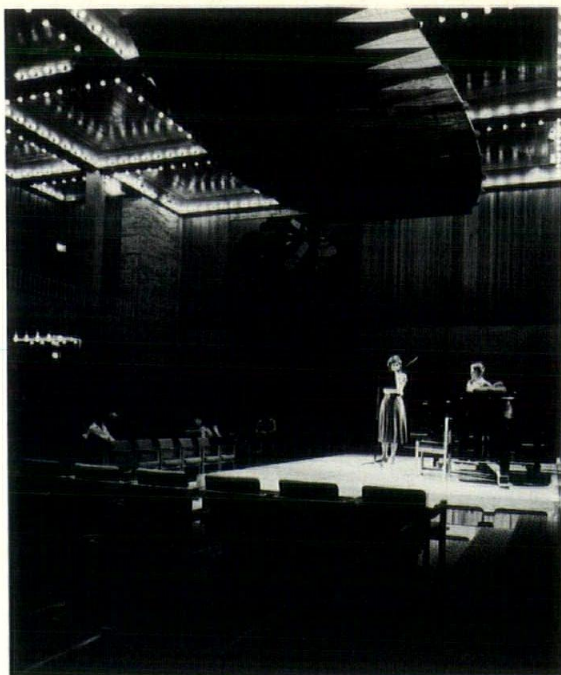
who designed it: Edward A. Sövik, who has received many awards in a distinguished career and is about to be honored by the Minnesota Society of Architects as only the third person ever to receive its Gold Medal.

Urness Hall was designed to be two things: totally flexible and supremely comfortable. Wrote Sövik not too long ago, "I am most happy when the place of assembly has about it a sense of 'occasion' that tends toward the festive." For his further assessment, and supportive evidence that conscientious architects never truly "finish" their work, turn the page.





In such a musical hotbed as St. Olaf College, a recital hall is forever being bent new ways . . .





## The feel of a building matters to Ed Sövik

It is wholly consistent with his understanding of architecture's uses that Edward Anders Sövik should factor the views of Frank Sinatra and Rod Stewart into the complex equation for designing a recital hall on a college campus. It is also a Sövik propensity to



treat a building as a pulsating thing, a living organism, really, that needs vigilant nurture as the years come and go.

Thus in 1980, a good four years after the Christiansen Hall of Music was completed and being used intensely at St. Olaf, Sövik was still concerning himself with the treatment being accorded Urness Hall, the recital hall component of the music center. Writing that year to Dr. Sigurd Frederickson, head of the St. Olaf music program, he expressed his earlier expectations for the recital hall: "The artist's intent is communication. In the places where I have most pleasure in recital and chamber music, there is a sense that I am enjoying a companionship that includes not only the artists and myself, but the many others who join us in the event."

Now enter Frank Sinatra and Rod Stewart: "I heard Frank Sinatra in a radio interview once talking about the places where he sings. The nightclub, he said, is what he prefers, because there he can get close to the audience, even among them, without a stage front as a barrier. 'Then,' Sinatra said, 'I can really communicate.'"

Sövik also recalled a similar interview with rock star Rod Stewart. His letter to a perhaps bemused Dr. Frederickson described a Stewart strategy of first "hying up" his group offstage so that, as quoted by Sövik, "We can run out onto that big stage and really *attack* the audience."

There could be no doubt as to which point of view Sövik preferred. Moreover, far from engaging in a discursive exercise for its own sake, he had employed the competing philosophies of Sinatra and Stewart as a felicitous mechanism for getting at what was

really on his mind: namely, the inattention of the powers-that-be toward the architectural intimacy, elegance and flexibility built into the recital hall. Wrote Sövik, "You probably gather than I am not entirely happy about what I see most of the time when I visit Urness. I had thought that musicians, because they are artists, would be more careful about the architectural niceties; but I find the platform carelessly assembled and other casual treatment of the furnishings that make me doubt it." He carefully reminded Dr. Frederickson of drawings readily accessible that "indicate precisely how the platform can be configured in several sizes, and the janitor could just as well do it right as wrong." (See platform drawings at left.)

At about the time this issue of *AM* reaches its readers, Ed Sövik will be receiving the highest award of the Minnesota Society of Architects—its Gold Medal. He is only the third architect to receive it, the others being Thomas Ellerbe and Ralph Rapson.

Sövik's feeling for Urness Hall seems pertinent to note, for two of the compelling reasons why his professional peers have chosen to honor him may be traced to his dedication to architecture as both an art and an instrument for social betterment. One of the acknowledged authorities worldwide on modern meaning in ecclesiastical buildings, he has perhaps done more than anyone in America literally to revolutionize the way people think—liturgically and theologically—about the physical setting for worship. His book, *Architecture for Worship*, published in 1973, succinctly states the case for a secular character in church buildings. "Secular," explains Sövik, "in the sense of being of this world, not pretending to be out of this world." Back in the 1950s, when most denominations were trying to cloak medieval forms in modern trappings, Sövik did just the opposite: his church designs, then and now, turned the axis of the nave/chancel element 180 degrees, made them a single room, gathered the celebrants on all three sides, seated them in moveable chairs (most often of Sövik's design), and released the cross and baptismal font (with running water) from their static positions.

A Fellow twice over—of the American Institute of Architects and the Society for Arts, Religion and Culture—he received two other distinguished honors last year: He was the recipient of the Edward Frey Award presented by the Interfaith Forum for Religion, Architecture and the Arts, and Concordia College awarded him its honorary doctoral degree in fine arts.

W. H.

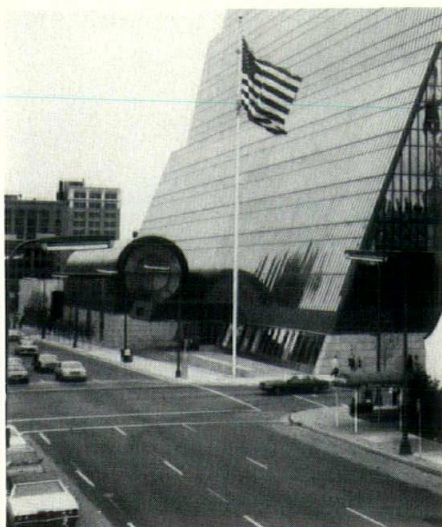
**Platform configurations for Urness Hall (above)—as well as the design of the wood platform units themselves—may be built not only to accommodate the wide range of musical groups and other situations (opposite), but also to organize the shape of the seating area.**



# LUTHERAN BROTHERHOOD'S INVITING PUBLIC SPACES

Perforce they express a hearty Lutheran "Welcome!"

Local opinion may be sharply divided on the architectural merit of the Lutheran Brotherhood's new headquarters building in downtown Minneapolis. For a certainty, its peculiar trapezoidal form and rust-red glass curtain walls—the formulation of Skidmore, Owings & Merrill's San Francisco office—are hard to ignore. But once inside the building, visitors are apt to discover an aura of hospitality seldom expressed in private office towers. Though the lobby is coolly travertined (in the typically cool SOM manner), it is not off-putting, thanks to the eye appeal of the great swooping exterior glass wall that rises above both the lobby and the Society library on the mezzanine level. You take an escalator up a flight and discover what



must be the poshest company cafeteria in the world; the serving area is ballroom size, categorically organized into entree, beverage, breads, salads and so forth and so on. All of a sudden you understand why that drum resembling a Quaker Oats box is attached to the building's facade. That's where you carry your tray to, seat yourself and enjoy lunching in a tree-filled vault of a quality to be envied by any luxe hotel.

From the mezzanine, you may also peer downward into the Society's handsomely detailed auditorium, where the public is invited to gather at noon on Wednesdays to enjoy performances by talented troupes of actors and musicians from the region. For free, of course.



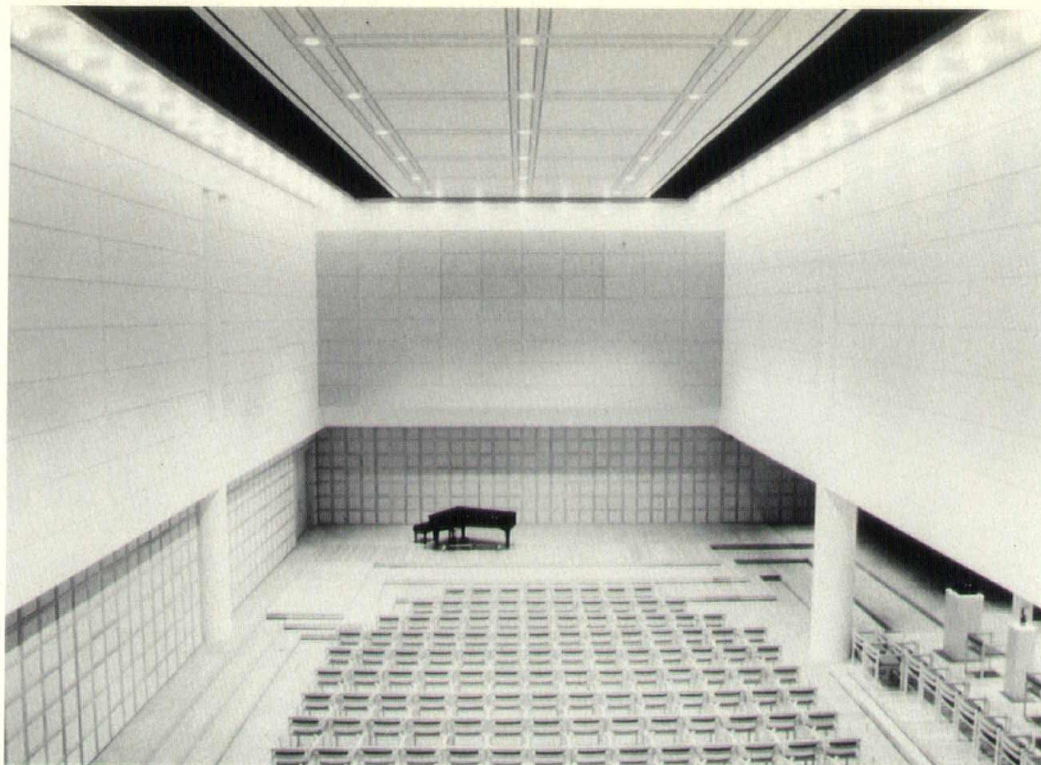
Though it offers little of the crowd appeal found at the IDS Center's Crystal Court (what building does?), the Society lobby area does not

make one feel he's trespassing, as some SOM office towers do. Moreover, to lure visitors, the company mounts art exhibitions such

as a recent show of 75 Swedish posters on a monthly basis. (A recent Swedish architect-visitor, seeing his country's flag dis-

played as the sole decorative object in the lobby, could scarcely believe his eyes.)





The 450-seat auditorium, its elegant light wood finishes a tacit acknowledgment of the Society's Scandinavian roots, was planned in association with SOM by the Northfield firm of Sövik, Mathre, Sathrum, Quanbeck. (For a story on SMSQ and its chairman, see page 47.) In addition to entertainments (left), the auditorium is used for corporation annual meetings and civic affairs. The library (far left) has an extensive collection of technical insurance titles but also displays ancient Bibles, runs a regular lending library for employees.



The Society dining center, by its scale and vaulted ceiling, evokes an image of baronial banquet halls or Gothic naves. Yet it is but an adjunct to the company cafeteria. Open for breakfast and lunch, the space is also rented to private organizations for large dinners (it will accommodate between 400-450 dinners). The building also has four smaller dining rooms for use either by executive groups and their guests or by outsiders on a rental basis.



# THE GREENING OF CONTROL DATA

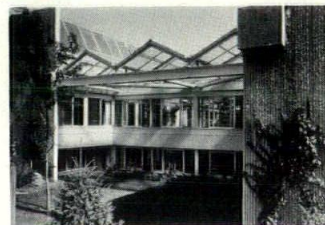
The lesson here is that the space between buildings may count for as much as the buildings themselves.

Control Data Corporation calls it Terratech Center. By any name, the place responds admirably to both the physical and aesthetic demands of Minnesota's winters. Located in St. Paul adjacent to Interstate 94, Terratech is an earth-sheltered, solar-heated office building providing space for 55 CDC accounting and data service employees. It also houses Criteria, the architectural firm which designed Terratech and a small apartment designed by Jerry Allen of Criteria for his own family but now occupied by a CDC employee.

The earth-sheltered design makes good use of a marginal site, and provides other benefits, too: It minimizes energy use, offers a low profile to the north wind and adjacent neighbors, and eliminates the intrusion of highway noise. The earth-sheltering is also what makes the contrast from the building's exterior to its interior so dramatic, and, for the employees, soul-satisfying in the winter.

Two enormous steel drain culverts form the office buildings. They are placed parallel to each other in a site excavated two levels below grade and linked with a glass-enclosed courtyard. The CDC employees leave winter behind when they enter the snow-encrusted building and sit at desks looking out on a veritable jungle of tropical plants. Ficus, palms, banana plants, exotic flowering shrubs and familiar house plants threaten to break through the glass roof.

Architect Jerry Allen's design benefits from its small scale: The courtyard is an intimate 1,600 square feet. A sure test of how well this lush man-made garden works is found in the employees' response to it. One of them who often visits other Control Data corporate offices recently observed that Terratech's conference room facing the courtyard is the nicest of the company's many.



Bands of plastic-clad Andersen windows form the east and west courtyard walls (above). The meandering aggregate walkway (left and top) invites employees to seek out one of the secluded glass-topped tables for quiet lunch or coffee breaks. A drain culvert placed on end creates the circular form housing the vending machines in the center of the courtyard (lower right). It drops another 17 feet underground to store warmed water from the active solar system. A bridge connecting the two upper levels widens where it crosses over the circular vending machine room (top right). Semi-circular benches are thoughtfully placed there, providing a place to socialize convenient to employees working on the upper level.







# AM salutes the five winners of... 1982 HONOR AWARDS

A single-family house, a new home for great cats, a Native American school, a regional library and a Chinese restaurant—these of some 90 entries in the Minnesota Society of Architects' 26th Annual Honor Awards Program were selected by a distinguished jury for formal recognition. Members of the jury were: Laurinda Spear, a principal in the firm Architectonica, Coral Gables, Florida; Charles A. Herbert, head of his own firm in Des Moines, Iowa; and Lawrence Booth, a principal in Booth/Hansen and Associates, Chicago.

An Honor Award was given to one project, the Tennebaum residence, designed by Frederick Bentz/Milo Thompson/Robert Rietow of Minneapolis. The other four projects received Merit Awards—two by the same firm: The Hodne/Stageberg Partners of

Minneapolis. The 1982 winners, their designers and the jury's comments are as follows:

## HONOR AWARD

**Frederick Bentz/Milo Thompson/Robert Rietow**, for the Tennebaum Residence, Minneapolis. *Jury's comment:* "We just looked at it and said, 'That's really very nice, very convincing.'"

## MERIT AWARDS

**Rafferty Rafferty Mikutowski Ronney & Associates**, for the Como Zoo's Great Cat Exhibit, St. Paul. *Jury's comment:* "Probably if you are there, you feel as though there is no building at all, that you are right in there with the animals."

**The Hodne/Stageberg Partners**, for Little Wound High School, Pine Ridge

Reservation, Kyle, South Dakota. *Jury's comment:* "It seems a wonderful thing, taking this culture and celebrating it."

**The Hodne/Stageberg Partners**, for the Hennepin Brookdale Area Regional Library and Service Center Brooklyn Center, MN. *Jury's comment:* "I'm certain, since they were working with government, that there were lots of forces conspiring against them. (But) the building managed to keep its idea intact all the way through."

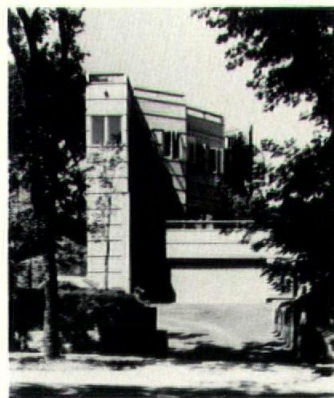
**Cottle-Herman Architects**, for the Nankin Restaurant, Minneapolis. *Jury's comment:* "We were all very intrigued with how much of what has been along the exterior of the original restaurant was picked up and shifted inboard... Very sensible and sensitive."

## H O N O R A W A R D

### EXPANSIVE LIVING ON A TIGHT LOT

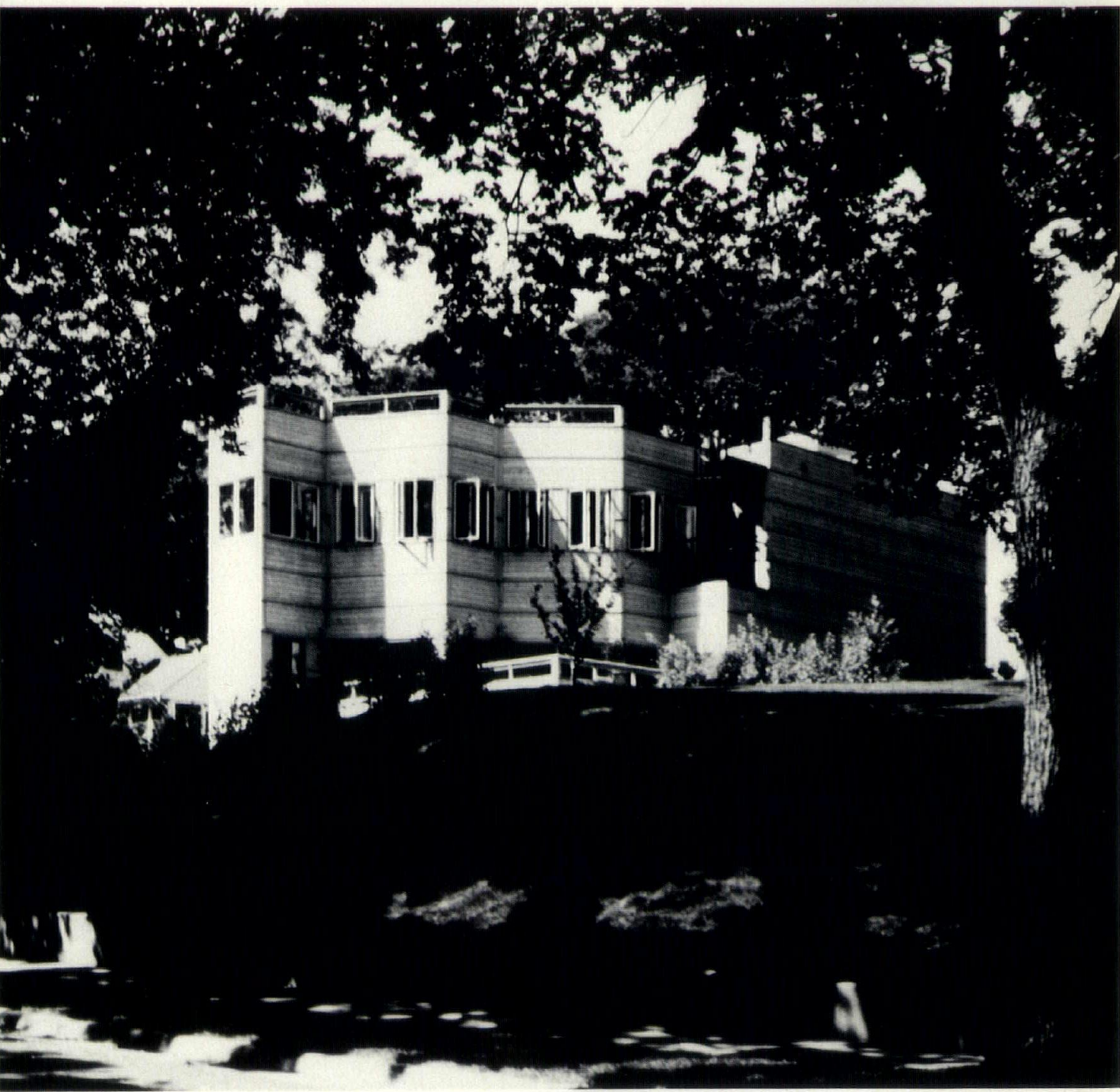
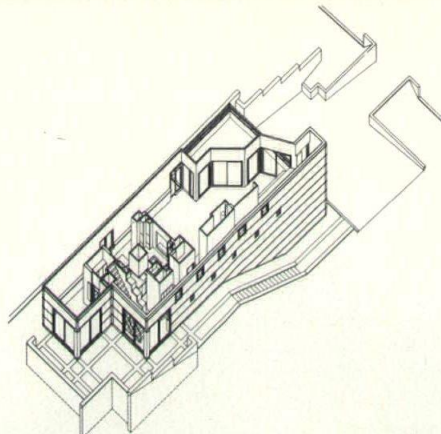
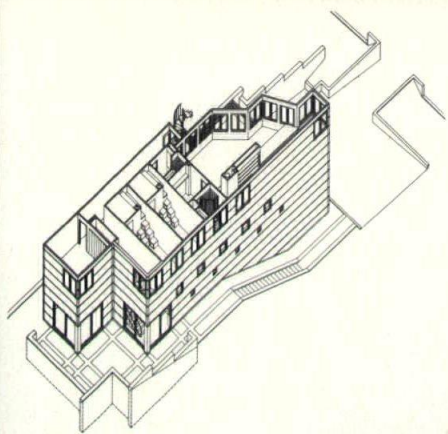
If, as many architects say, the single-family house is the most challenging of architectural commissions, then this striking Minneapolis residence for a family with two small children must be one of the most satisfying for the Frederick Bentz/Milo Thompson/Robert Rietow firm. The client family bought this particular lot because of the prospect it offered of a view of Lake Calhoun in a residential neighborhood of Minneapolis—then handed the archi-

tecs the formidable task of fitting a four-bedroom house on a buildable area measuring 26' by 79'. They accomplished this neat trick by creating a combination garage-entrance-guest parking area just off the street, then basing the two-story house up the lot's slope. As the perspective drawings indicate (top of page), two architectural "outs"—one at the front of the garage, the other a garden terrace—break up the sugar-lump form to yield an abundance of daylight, a good view and well-ordered space for outdoor living. An ingenious feature of the house is its circulation: You enter at garage level, ascend a stair to the living-dining-kitchen level, then continue to the rear either to the garden terrace or spiral up a stair to bedroom level. Finally, a spiral outdoor stair takes you to a rooftop. Stained-gray exterior horizontal boards banded with moldings manages to give the tall, narrow house a rooted look.



PHOTOGRAPHS: GALE EDWARDS









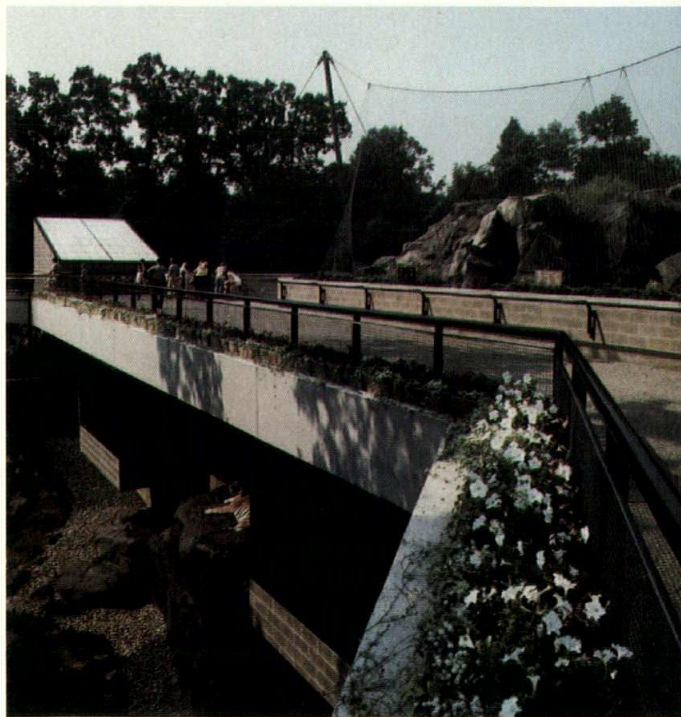
## AN ARTFUL HABITAT FOR GREAT CATS

Unpeopled buildings can sometimes express the architect's role in society better than places designed strictly for human habitation. Such is decidedly the case here, wherein the firm of Rafferty, Rafferty, Mikutowski, Roney & Associates has provided a most congenial environment for both man and beast. Its Large Cat Exhibit at St. Paul's Como Zoo capitalizes on existing site grade changes by incorporating a series of bridges and ramps from which the zoo-goer may enjoy an ever-changing viewing experience. Even more important, artificial rockwork, planting areas, existing trees and water are combined to achieve a habitat that encourages natural animal behavior.

An all-weather facility, the large Cat Exhibit houses four species of large cat: lion, tiger,

jaguar and cougar. The lions and tigers are contained by a 16' chainlink fence, while the jaguars and cougars—both climbing cats—are enclosed in a flexible steel netting. This tentlike containment device not only offers the visitor an unimpeded view of these beautiful climbers but also makes a dramatically lacy focal point (above).

A three-level scheme, the Exhibit's lowest level consists of holding quarters for all of the animals and the primary keeper area. The main level houses two indoor exhibits (the lions and jaguars need to be indoors during the winter months) but also offers the public a full view into both outdoor yards; this level has grade access from both a stairway and a handicapped pedestrian bridge

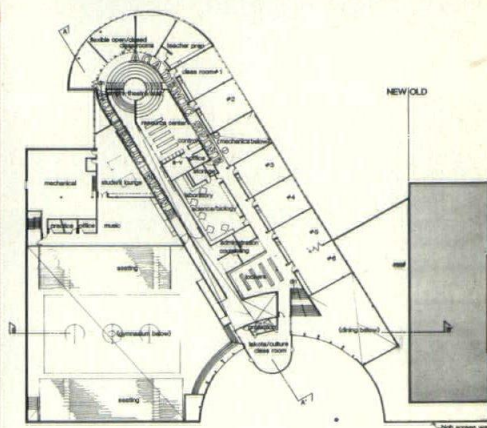
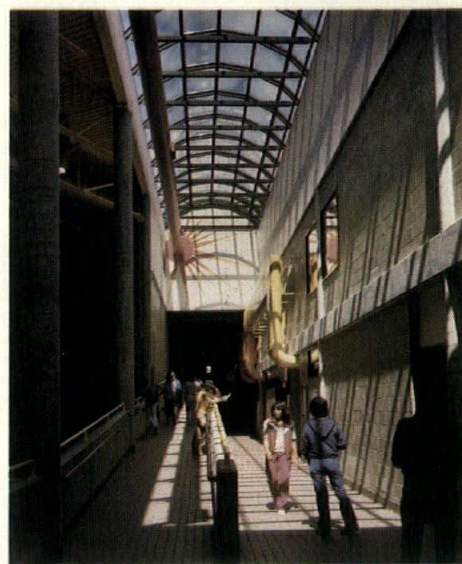
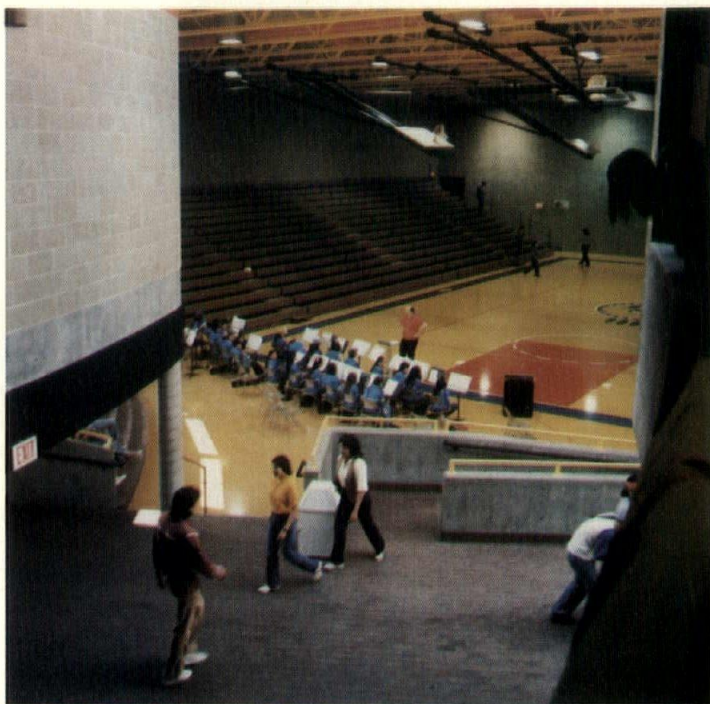




# NATIVE AMERICANS' SPIRITED SYMBOL

Well known for their specialized design work for Native American clients, the Hodne/Stageberg Partners have once again struck a culturally symbolic chord in this community facility for the Oglala Sioux on their Pine Ridge Reservation in western South Dakota. Its name of record is the Little Wound High School, but its form and function make it better known as "The Buffalo—Teacher and Provider of the Prairie." Seen frontally, the glistening red protuberance represents the buffalo's head (below); behind it runs an "academic spine" of circulation. This spine resembles an endless conveyor belt, encircling a series of activities centers—an amphitheatre, resource center, labs and classrooms—that aggregate as "the sacred hump of the buffalo."

Though the school's enrollment is a modest 250 high school students, its programming requirements were both subtle and sophisticated. As the only community facility in an area without YMCAs, health clubs or meeting halls, the Buffalo needed to satisfy the Oglala Sioux's desire for a culturally relevant place of learning, congregating and socializing. Clearly, the Hodne/Stageberg Partners have given them such a place.





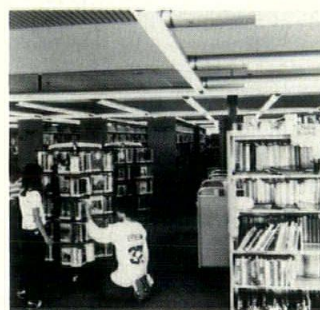


## CURVES AND COLOR FOR A LIBRARY-PLUS

In combining four separate and distinct public uses under one roof, the Hodne/Stageberg Partners have created in the Brookdale Hennepin Area Library and Service Center a structure of considerable visual delight and functional coherence. The building presents a low, unassuming profile, save for the entrance courts, whose curvilinear walls sheathed in colored wall tiles may be seen and enjoyed from afar. Indoor, these same entrance courts are bathed in light admitted

through a ribbon of clerestories (above). Contributing to the structure's ground-hugging character is the use of earth berming to the window sill.

The client's program required that three of the building's governmental units—the library, social services and license center—share a common entry. The courts unit is the building's fourth distinct element. The library and social services units are planned for expansion.



## NEW SETTING FOR AN OLD LANDMARK

It was, to say the least, an unusual design job: the reincarnating of the 60-year-old Nankin Restaurant in the new City Center, after that controversial structure in downtown Minneapolis replaced the old restaurant building (and countless others). The lot fell to Cottle-Herman Architects to design a new-old Nankin that includes a 700-seat dining room, a 5,000 square foot kitchen, cocktail lounge and fast-food take-out shop. Of special importance was the owner's wish to transfer the Chinese interior style and ambience from the old restau-

rant to the new. The architects accomplished this, and more. To maintain the old street entry and identity, while coping with City Center's street level impenetrability, Cottle-Herman created a "Chinese Street" just inside the Center's outside wall (below right). Display windows along this circulation artery are stocked with Chinese-derived art objects and artifacts, and Chinese background music is heard. Throughout the restaurant, well-researched colors, patterns, textures and design motifs are used.





MINNESOTA SOCIETY  
AMERICAN INSTITUTE OF ARCHITECTS

48TH ANNUAL  
DESIGN EXHIBITION

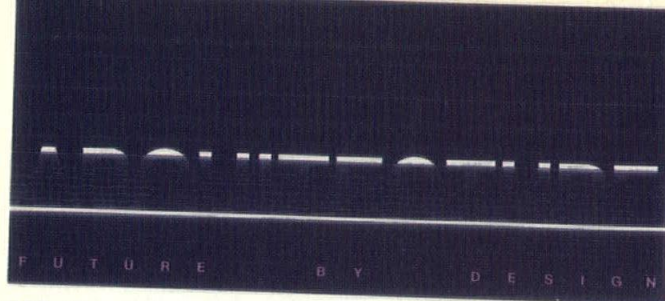
OCTOBER 25, 26, 27, 1982

MINNEAPOLIS AUDITORIUM  
CONVENTION HALL

ARCHITECTURE

U T U R E B Y D E S I G N





## Welcome to the Minnesota Society American Institute of Architect's 48th Annual Design Exhibition.

Automation has touched practically every aspect of human life—including architecture. It is the wise person, architect or not, who can use the automated tools, project himself into the future, be stimulated by it and respond to it. The theme "Future by Design" was selected to address the many areas in which architecture is, has been and can be affected by automation ... computers ... technology. The 1982 MSAIA Convention speakers and seminars have been chosen to specifically address these issues ... to educate ... and to stimulate.

A new convention format has been developed that condenses the time frame for the exhibits, speakers, and seminars. There will be opportunities to expand your knowledge of new products and new techniques. Some of the top architects, interior designers, landscape architects and engineers in the country will be featured. Seminars are new and different and reflect the challenges presented to the profession in the 1980's and beyond.

**The Grand Opening Party** in the largest **hospitality suite** in town will officially kick-off convention activities. The party will take place in the exhibit hall for convention registrants and spouses/significant others. It is a **preview** of the exhibits, as well as a party. Hors d'oeuvres will be provided by exhibitors, with cash bars strategically (and less expensive) placed throughout the exhibit hall (drink tickets included in registration package). Entertainment will be provided by the Hall Brothers Jazz Band, with "Dancing in the Aisles" anticipated.

### Schedule In Brief

#### Monday, October 25, 1982

|                  |                                               |
|------------------|-----------------------------------------------|
| 4:30 pm          | Dean Roger Staehle Introduction to Convention |
| 5:00 pm— 6:30 pm | MSAIA Annual Meeting                          |
| 6:00 pm— 7:00 pm | Registration Party                            |
| 7:00 pm—10:00 pm | Grand Opening Party                           |

#### Tuesday, October 26, 1982

|                   |                                                                             |
|-------------------|-----------------------------------------------------------------------------|
| 8:00 am           | Registration Opens                                                          |
| 8:30 am— 9:50 am  | Robert Siegel, AIA                                                          |
| 9:45 am           | WALM Spouse Tour                                                            |
| 10:00 am—12:00    | Insurance Trustees Meeting                                                  |
| 10:00 am—11:30 am | Seminar 1 New Tools: Trends in Computers in Architecture, Harry Mileaf      |
| 10:00 am—11:30 am | Seminar 2 Forensic Architecture & Engineering, Raymond DiPasquale           |
| 10:00 am—11:30 am | Seminar 3 The Financing Game, or How to Create a Building Project           |
| 11:30 am— 2:00 pm | Exhibits Open                                                               |
| 1:30 pm           | Exhibitor Booth Awards Announced                                            |
| 2:00 pm— 3:30 pm  | Ian L. McHarg                                                               |
| 3:30 pm— 5:00 pm  | Seminar 4 New Tools: Use of the Computer in the Design Process, Doug Stoker |
| 3:30 pm— 5:00 pm  | Seminar 5 Firm Profile: The Hawkweed Group, Ltd.                            |
| 5:00 pm— 7:00 pm  | Exhibits Open                                                               |
| 7:00 pm— 9:00 pm  | Seminar 6 Intern-Architect Development Program, Robert Rosenfeld            |
| 7:00 pm— 9:00 pm  | Seminar 7 New Tools: Automated Decision Management                          |
| 7:00 pm— 9:00 pm  | Seminar 8 Marketing For The '80's, Heather Cundiff                          |

#### Wednesday, October 27, 1982

|                  |                                                      |
|------------------|------------------------------------------------------|
| 8:00 am          | Registration Opens                                   |
| 8:30 am— 9:30 am | Earl Joseph, Anticipating the Future                 |
| 9:30 am—10:45 am | Seminar 9 Professional Soapboxes, Walter Wagner, AIA |

|                   |                                                                    |
|-------------------|--------------------------------------------------------------------|
| 9:30 am—10:45 am  | Seminar 10 New Tools: Computer Tools for Energy Conscious Design   |
| 9:30 am—10:45 am  | Seminar 11 "Citizens in Action", Jean Tews                         |
| 11:30 am— 1:30 pm | Architectural Secretaries Association Luncheon—Harriett Burkhalter |
| 10:45 am—12:00    | Ulrich Franzen, FAIA                                               |
| 12:00 pm—10:00 pm | Face To Face: Architects, Products & You                           |
| 12:00 pm— 3:00 pm | Exhibits Open                                                      |
| 3:00 pm— 4:30 pm  | Minnesota Architects—A Profile of Architectural Practice           |
| 3:00 pm— 5:30 pm  | Ask An Architect                                                   |
| 4:30 pm— 5:30 pm  | Seminar 12 New Tools: How to Buy & Use Automation                  |
| 4:30 pm— 5:30 pm  | Seminar 13 Renovation/Restoration—When To, Why To, How To          |
| 4:30 pm— 5:30 pm  | Seminar 14 Leadership: The Challenge of Choice                     |
| 5:30 pm—10:00 pm  | Guest Night                                                        |

#### Thursday, October 28, 1982

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| 6:30 pm— 7:45 pm | Honor Awards & Gold Medal Presentation                                              |
| 7:45 pm—11:00 pm | The Celebration—President's Reception and Candlelight Buffet with Music and Dancing |

### Exhibit Hours

#### Monday, October 25, 1982

7:00 pm to 10:00 pm

#### Tuesday, October 26, 1982

11:30 am to 2:00 pm  
5:00 pm to 7:00 pm

#### Wednesday, October 27, 1982

12:00 pm to 3:00 pm  
5:30 pm to 10:00 pm

### Badge Code

A = Architect or Allied Professional  
E = Exhibitor  
G = Guest  
S = Student

Single Day Registration

White Dot = Monday Registration only

Green Dot = Tuesday Registration only

Orange Dot = Wednesday Registration only

### Special Displays

Throughout the Exhibit Hall displays featuring the 1982 MSAIA Honor Awards, Works in Progress, Minnesota Graphic Designers and the Minnesota Chapter of the American Society of Landscape Architects will have their displays shown. Be sure to spend time looking at outstanding work done by Minnesota design professionals.

### Convention Committee

Chairman, Ed Kodet, AIA  
Chairman-Elect, Jim O'Brien, AIA

#### Program

Jim O'Brien, AIA, Chairman  
Jerry Bailly  
Bruce DeJong, AIA  
Dave Jordani, AIA  
Ed Kodet, AIA  
Ken Quass, AIA  
Dewey Thorbeck, AIA  
Jeff Zutz

#### Graphics & Works In Progress

John Smith, Chairman  
Scott Nelson  
Tom Zumwalde, AIA  
Jeff Zutz

#### Face To Face

Ralph Laiderman, AIA, Chairman  
Chuck Anderson  
Alana Sunness Griffith  
Dave Rasche, AIA  
Charlie Reed  
Dave Stovall, AIA  
Gail Swenson, AIA



#### Exhibitor Liaison

Alana Sunness Griffith, Chairman  
Chuck Anderson  
Dave Plummer  
Dave Stovall

#### Industry Program Support

Bob Hewitt, AIA, Chairman  
Steve Quint, AIA  
Dave Plummer

#### Fun & Exhibit Hall Design

John Smith, Chairman  
Chuck Anderson  
Jerry Bailey  
Bruce DeJong  
Colleen Marx  
Bee Mohlin  
Dave Plummer

#### Construction Products Manufacturers' Council

Dave Plummer

#### Architectural Secretaries Association

Colleen Marx  
Bee Mohlin

#### Women's Architectural League of Minnesota

Doris Rasche

## Board of Directors

Robert Rietow, AIA, President  
James P. Cramer, Executive Vice President  
Elizabeth Close, FAIA, President-Elect  
Duane Thorbeck, AIA, Secretary  
Jeri Zuber, AIA, Treasurer  
Leonard S. Parker, FAIA, Immediate Past President  
Howard Goltz, AIA, President Minneapolis Chapter  
Angelo Percich, AIA, President St. Paul Chapter  
Leon F. Hakkila, AIA, President Northeastern Chapter  
Edward R. Frenette, AIA, Director  
O. Reuben Johnson, AIA, Director  
Duane Kell, AIA, Director  
Edward J. Kodet, AIA, Director  
Darrell Carlson, AIA, Director  
Milo Thompson, AIA, Director  
Myron Treichler, AIA, Director  
Dennis Walsh, AIA, Director  
Jenny Eisenman, Associate Representative  
David Prestrud, Student Representative  
LeRoy Bean, AIA, Regional Director

## MSAIA Staff

James P. Cramer, Executive Vice President  
Susan Davis, Director of Retail Operations  
Beverly Hauschild, Director of Programs  
Robert Oakvik, Director of Administration & Finances  
Peter Rand, AIA, Director of Publications  
Dee Anderson, Administrative Assistant  
Elizabeth Hallstrom, Assistant to the Editor Architecture Minnesota  
William Houseman, Editor Architecture Minnesota  
Lindy Look, PaperArchitecture Assistant  
Diane Oelhafen, Administrative Assistant  
Judith Van Dyne, Membership Coordinator and Exhibit Sales  
Bruce Wright, AIA, Managing Editor Architecture Minnesota

## Monday, October 25, 1982

#### 4:30 pm Future By Design (Room 203)

An introduction to the convention by Dean Roger Staehle, Institute of Technology, University of Minnesota. Dean Staehle will address the issues of man and his environment and the technological forces that will be shaping the future of the architectural profession.

#### 5:00 pm-6:30 pm MSAIA Annual Meeting (Room 203)

Robert Rietow, AIA of Bentz/Thompson/Rietow, MSAIA President presiding with James Cramer, MSAIA Executive Vice President

A review of program and financial status will be made. There will also be elections of officers and an opportunity to discuss important issues facing the profession.

#### 6:00 pm Registration Party

Music by the Hall Brothers Jazz Band. Pick up your registration materials and prepare for the opening of the exhibit hall.

#### 7:00 pm to 10:00 pm Grand Opening Party

Kick off convention by previewing the exhibits and having fun in the largest hospitality suite in town.

## Tuesday, October 26, 1982

#### 8:00 am Registration Opens for "Architecture ... Future By Design"

**8:30 am-9:50 am Robert Siegel, AIA (Room 3)**, a partner in the firm Gwathmey Siegel & Associates, Architects which has been recognized in 1982 by receiving the AIA Firm Award for "... a continuing collaboration among individuals who have been the principal force in consistently producing distinguished architecture." Their work has been varied and includes institutional, commercial, public housing, private residences, as well as a broad range of interiors. In addition, as a response to specific client needs, Mr. Siegel has periodically designed furniture and has recently designed furniture for Knoll International. Mr. Siegel's presentation will include his thoughts on the "Future By Design." That is where the profession is headed philosophically, economically and more specifically the structure of the practice of architecture. He will also discuss his firm, their work and their reason for moving into furniture design. In short, find out how and why Gwathmey Siegel is the firm it is.

#### 9:45 am Spouse Tour

Join the Women's Architectural League of Minnesota for a tour of Minnesota Landmarks. First stop on the tour is at the home of the state's first governor, the Sibley House (ca. 1835). Then on to the Faribault House, built in 1839 by a pioneer fur trader. Finally, to Mendota and the oldest church in continuous use in the state, St. Peter's Church. The tour will conclude with lunch at the Parker House in Mendota, then back to the Convention Hall.

#### 10:00 am-12:00 pm MSAIA Insurance Trustees Meeting (Room 203A)

#### 10:00 am-11:30 am Seminar 1 (Room 1)

**New Tools: Trends in Computers in Architecture**  
**Harry Mileaf, Director of Technology & Product Development for the Sweets Division of McGraw Hill**

Mr. Mileaf has spent the last three years actively involved in monitoring and researching the use of computers in architecture and engineering. He will discuss the results of his research and will talk about the trends and growth patterns in the use of computers on the part of design professionals. He will compare the use of computers between architecture and engineering and will also discuss the steps involved and the problems encountered in the acquisition of new systems.

Mr. Mileaf is responsible for the development of new products in the mechanical, electrical and civil engineering catalog files of Sweets. He has a diploma from NYU in Systems Analysis. As a prolific author he has written sixteen technical books, many of which are used as educational resources. He is currently the author of a six part series on the use of computers in architecture and engineering which is being featured in *Architectural Record*.

#### 10:00 am-11:30 am Seminar 2 (Room 2)

#### Forensic Architecture and Engineering

Raymond DiPasquale is an architect, structural consultant, failures investigator, author, and educator. He will discuss building failures and how investigative engineers piece together a failure, after the fact. This fascinating seminar will also address the issue of how to avoid failures.

Mr. DiPasquale received a B.S. in Civil Engineering from Purdue, a B.Arch. from the University of Illinois, and an M.S. in Architectural Engineering. He taught architectural structures for 10 years at Cornell and is currently an Associate Professor at Syracuse University. Mr. DiPasquale is also the editor and publisher of *Building Failures Forum* and *Building Failures Briefs*, as well as being a columnist for *The Building Journal*.

#### 10:00 am-11:30 am Seminar 3 (Room 5)

#### The Financing Game or How To Create a Building Project

This distinguished panel of people experienced in the development of building projects will share their knowledge of what to do to move a project forward. Panelists include: **Jerry Buechler**, Vice President of Towle Real Estate. He is manager of the Commercial Finance Department and works with investor and developer clients on financing for commercial properties. Mr. Buechler will discuss which deals an architect should work on and why; and when to go to a mortgage banker for advice and assistance. **Samuel Marfield**, President of Marfield Investment Company, has worked in the construction business for 20 years and has been involved with constructing over 1 million s.f. of industrial office space and is currently involved with 300,000 s.f. of office service buildings. Mr. Marfield will discuss how a developer looks at financing, financing rates, profit, cash flow. **Tony Navarro**, Vice President of Northland Mortgage Company in the Commercial Loan Division. He is involved with financing commercial property and construction lending for commercial property. He will talk about what to look for while getting involved in a commercial project; the issues of finance on new com-



mercial property relating to construction/architectural items, i.e. floor size, rentable area; and how financing flows in the process from preliminary to final drawings and closing. **Charles Nelson**, Historical Architect for the State Historic Preservation Office of the Minnesota Historical Society. Mr. Nelson will discuss the economic incentives for architects to get involved in historic preservation. **William Tetzlaff**, Finance Coordinator for the Minneapolis Community Development Agency. He has expertise in commercial rehabilitation loans for small and medium sized commercial buildings in the city.

### **11:30 am-2:00 pm Exhibits Open**

Lunch available in the exhibit hall cafe. Music by the Westminster Winds, a woodwind quintet.

### **1:30 pm Exhibitor Booth Awards Announced**

### **2:00 pm-3:30 pm Ian L. McHarg (Room 4)**

Ian McHarg is a practicing landscape architect, planner, teacher and writer. He is a co-founder of the firm of Wallace, McHarg, Roberts and Todd, and the founder and Chairman of the Department of Landscape Architecture and Regional Planning at the University of Pennsylvania. His work has included the designs for the New Town of Woodlands, Texas; a location study for the new Capitol City of Nigeria; and Ecological studies for the Minneapolis-St. Paul Region and the San Francisco Metropolitan Region, as well as many planning studies and development projects.

Mr. McHarg is the founder of ecological planning, and is the author of *Design With Nature*. He received the Bradford Williams Medal for his article "An Ecological Basis for Landscape Architecture," and has received the American Institute of Architects' Medal for Allied Professions, the Brandeis University Creative Arts Award, and the Philadelphia Art Alliance Award. He holds doctoral degrees from Amherst College, Bates College and Lewis and Clark University.

Mr. McHarg is a Fellow of the American Institute of Landscape Architects and the British Institute of Landscape Architects and an Honorary Fellow of the American Institute of Architects and the Royal Institute of British Architects.

### **3:30 pm-5:00 pm Seminar 4 (Room 5)**

**New Tools: Use of the Computer in the Design Process**  
**Doug Stoker of S.O.M.**

Mr. Stoker will discuss computers as a production and design tool. He thinks that the computer should serve as a workbench for the design process. Mr. Stoker will demonstrate ways in which a "machine" can be used to enhance the creativity of the design professional.

Upon receiving his B.Arch from the University of Illinois (Urbana), Mr. Stoker joined S.O.M. Chicago and worked for 3½ years in the use of computers in structural engineering. He then spent 2½ years in a Ph.D. program at Carnegie Mellon University specializing in Computer Aided Design. When he returned to S.O.M. he became Director of the Computer Group. He has spoken at the AIA National Convention, at Systems '82 and will be speaking at a management seminar for Control Data. He has authored numerous papers, including a full layout on the S.O.M. computer approach in *Architectural Record*.

### **3:30 pm-5:00 pm Seminar 5 (Room 2)**

**Firm Profile: The Hawkweed Group, Ltd.**  
Since 1961 Hawkweed has been involved in passive solar design and since 1974 has only accepted solar projects. They have designed a variety of building types including commercial buildings, senior housing, private residences, day care facilities, municipal and park district buildings. Throughout, the common denominator has been that the passive solar strategy is an integral part of the building. The firm is probably best known for its redesign of Soldiers Grove, Wisconsin, the town relocated off of the flood plain.

Robert Selby, AIA, Vice President of the firm has taught numerous seminars and workshops. They have published a book entitled *The Hawkweed Passive Solar House* which was written to answer the many questions about the solar approach to building design. *Progressive Architecture* featured an article in its April 1982 issue entitled "Basic White" about the design of the firm's office building in rural Wisconsin. The firm moved to this site from Chicago in 1980.

### **5:00 pm-7:00 pm Exhibits Open**

Food available in the exhibit hall cafe.

### **7:00 pm-9:00 pm Seminar 6 (Room 2)** **Intern-Architect Development Program**

IDP is coming to Minnesota. It is a structured training program for the three years of internship which graduate architects must complete prior to becoming registered. Robert Rosenfeld, Director of Internship Programs for NCARB will be introducing IDP to the profession here in Minnesota at this seminar. Professionals and interns alike will be participating in IDP when it is introduced. Registered architects will be asked to become sponsors and advisers for IDP. This is your opportunity to learn more about IDP and its affect on you, your office and your future.

### **7:00 pm-9:00 pm Seminar 7 (Room 5)**

#### **New Tools: Automated Decision Management**

Why is decision making the key to increased efficiency and productivity. Allen Thurman, AIA, CSI, of Architectural Management Systems, Inc. will show you how four simple decision making categories can be used to manage your entire production input. How physically separating decision making requirements from actual document production can dramatically improve the efficiency and productivity of both. How decision making relates to word processing and how it relates to drawing development. Mr. Thurman will cover Basic Principles of Decision Management; Word Processing Management; Automation—Advantages and Disadvantages; Complexity vs. Simplicity Approach to Construction Documents; Drawing Management; and Systematic Analysis. Mr. Thurman is an architect, and prior to devoting himself full time to research and development of automated and simplified construction documents he was a principal in the Washington state firm of Aehle, Thurman and deMers where he tested and implemented management and production techniques with dramatic cost and time savings on actual projects.

### **7:00 pm-9:00 pm Seminar 8 (Room 1)**

#### **Marketing For The '80's**

Heather Cundiff, Director of Marketing, Executive Division, for 3D International will share her expertise on marketing professional services—what works, what does not, and how interior designers and architects can better relate to each other professionally.

Mrs. Cundiff is especially qualified to discuss these topics. She has a B.Arch. from the University of Arizona and a B.S. in Interior Design. She is an Associate Member of AIA, a member of ASID, SMPS, ASHRAE, BOMA and the National Trust for Historic Preservation.

This program is presented through the joint efforts of MSAIA, the Minnesota Chapter of the American Society of Interior Designers, the Institute for Business Designers and Designers Lighting Forum.

## **Wednesday, October 27, 1982**

### **8:00 am Registration Opens**

### **8:30 am-9:30 am Future By Design or Anticipating the Future (Room 4)**

Earl Joseph, the staff futurist for Sperry Univac in St. Paul has an international reputation as a futurist and is an expert on the following futurist subjects: future cities, "smart" machines, food and farm automation, microprocessor systems and factory automation. Mr. Joseph believes that by anticipating the future, the future can be altered. He will address himself to the issues facing the architectural profession.

### **9:30 am-10:45 am Seminar 9 (Room 1)**

#### **Professional Soapboxes: Publications**

**Walter Wagner, AIA, Editor of *Architectural Record*** will discuss his views of the "Future By Design" by emphasizing communication about architecture, i.e. architects talking with each other about their concerns and about public education, that is, how to get the public interested in architecture.

Following Mr. Wagner's presentation, a panel of distinguished magazine people, including Charles Mundale, Editorial Vice President of Dorn Communications, William Houseman, Editor of *Architecture Minnesota*; and Walter Wagner, AIA will discuss a variety of publication questions: The pros & cons of publicizing an editorial plan, quality of submittal material and what each magazine represented looks for. The program will conclude with questions from the audience.

### **9:30 am-10:45 am Seminar 10 (Room 5)**

#### **New Tools: Computer Tools for Energy Conscious Design**

Representatives of four Minnesota architectural/engineering firms will alert you to the potential of computer tools for creating energy conservative buildings. They will share their experiences and hope to stimulate further exploration of the field. Their presentation will include: The Role of the Computer in Energy Conscious Design, i.e. thermal, solar and daylighting calculations; HVAC Engineering; Cost/Benefit Analysis; and Monitoring. Systems/Software will cover the applicability to the architect's process, and availability. Finally, Applications—a review of systems in use, with applications, costs, results and illustrations of simple problems or design processes. Panel members are Jay Johnson, AIA of Miller, Hanson, Westerbeck, Bell; John Weidt, AIA of John Weidt Associates, Tim Durr of Architectural Alliance; and June Wheeler of Bakke, Kopp, Ballou & McFarlin, Inc.

### **9:30 am-10:45 am Seminar 11 (Room 2)**

"Citizens In Action," or Is Your Professional and Non-Professional Environment Affected by the Minnesota Legislature? This timely program presented less than a week before Election Day features Jean Tews, Action Committee Chair for the Minnesota League of Women Voters. A short videotape will show you the steps to follow when testifying, how a bill becomes a law, as well as who administers and enforces a law. As we are about



to begin a new legislative year, this seminar will not only refresh your legislative memory, but will serve as a good guide to professional/legislative responsibility.

#### **10:45 am-12:00 pm Ulrich Franzen, FAIA (Room 3)**

Ulrich Franzen is a practicing architect and has distinguished himself in the profession as a designer, a lecturer and teacher, and as a leader in service to the profession.

He has received the coveted Brunner Memorial Prize in Architecture from the National Institute of Arts and Letters and has been awarded the Thomas Jefferson Award for Architecture, the Louis Sullivan Award for Architecture, and the Gold Medal of the New York Chapter of the American Institute of Architects. He has won numerous design awards which include Honor Awards from the American Institute of Architects.

His firm, Ulrich Franzen/Keith Kroeger and Associates, has designed many exceptional projects. Among them are the Hunter College Complex, Houston's Alley Theater, the Phillip Morris World Headquarters Building, the First City National Bank Head quarters Building in Binghamton, New York, and buildings at Cornell University.

He has served as the President of the Architectural League of New York, which under his leadership launched a new series of programs of experiments in the arts. Also, he has served as the Chairman of the Committee on Design of the American Institute of Architects and is a Fellow of the Institute.

#### **11:30 am Architectural Secretaries Association Luncheon (Room 204)**

This year's ASA Luncheon will feature Keynote Speaker Harriett Burkhalter, President of the Minnesota League of Women Voters. She will address the question of public participation in government and how the four proposed Minnesota Constitutional Amendments affect you. The Luncheon will conclude with a style show entitled "The Complete Closet."

#### **12:00 pm-10:00 pm Face To Face: Architects, Products & You**

A new feature at the Convention this year is our Face To Face program. For the first time we are offering programs for people outside the profession. Architectural clients, corporate decision makers, developers will be invited to attend the following programs which have been prepared especially for them.

#### **12:00 pm-3:00 pm Exhibits Open**

Lunch available in the exhibit hall cafe. Music by the Minnesota Brassworks, a brass quintet

#### **3:00 pm-4:30 pm Minnesota Architects—A Profile of Architectural Practice (Room 3)**

Dennis Walsh, AIA, of Ellerbe Associates, Inc., Richard Faricy, FAIA, of Winsor Faricy Architects, and Eldon Morrison, AIA, of Eldon Morrison Architects Inc. will present a profile of the practice of the profession of architecture.

The participants in this program represent the characteristics of small, medium and large scale architectural offices, and they will discuss their similarities and differences, as well as their respective capabilities and their work.

The program will address the organization of the firms, the services they offer, the type and scale of the projects they undertake, their concern for the design of the built environment and their relationship to other related disciplines.

Minnesota architectural firms design projects throughout the United States, as well as many foreign countries, and the services they provide are complete, professional, and innovative. The three participating firms are representative of the firms practicing architecture in Minnesota and illustrate the consistent quality of service available.

#### **3:00 pm Ask An Architect (Registration Desk)**

During the afternoon and evening of Wednesday, October 27, convention guests will have the opportunity to discuss their design questions with an architect.

Appointments will be available for private consultations, on any question the guest may wish to have addressed as related to a particular design problem or on architectural services in general.

Guests are encouraged to bring their own drawings or sketches or other background information, if available, which will facilitate the exchange of information if they wish to have a particular problem discussed.

#### **4:30 pm-5:30 pm Seminar 12 (Room 5) New Tools: How To Buy & Use Automation**

This panel consists of local architects and engineers from firms of varying sizes with varying needs who have experienced the time consuming, exhausting, frustrating, stimulating task of searching, selecting, purchasing, and implementing automation in their own firms. Topics to be covered are:

How To Select & Purchase a Micro Processor and a discussion of the use of computerized MasterSpec. Ralph Laiderman, AIA, Vice President of Smiley Glotter and Associates has gone through the process and has set up SGA's computer system.

The application of combined business, financial, and engineering use of computers. Tom Swearingen of Hammel, Green & Abrahamson is in the process of finalizing their combined use—what they need and how to use it.

Word Processing and Engineering Applications for the Computer by Tom Downs, a structural engineer with Bakke, Kopp, Ballou & McFarlin, Inc.

Main Frame Computers and Computer Aided Drafting Applications. Lee Emberley of Ellerbe will share his expertise.

Software: Custom vs. Off the Shelf. Don Andrews of Smiley Glotter & Associates set up a computer system while at another firm and has done research into purchasing programming.

This session by your Minnesota Colleagues will be an important sharing session. They have experienced many of the things you are going through, know the pitfalls, and the shortcuts.

#### **4:30 pm-5:30 pm Seminar 13 (Room 1) Renovation/Restoration—When to, Why to, How to.**

This program will be a presentation of the value of restoration and/or renovation, both aesthetic and economic.

There has been a reversal of the urban renewal mentality as we once experienced it. No longer is it thought necessary to demolish and clear away a building solely because it is old or underutilized.

Creative individuals are increasing the longevity of many structures which a short time ago would have been thought unsuitable, decrepit or merely out of date.

This effort to preserve and reuse requires the effort, the understanding and the cooperation of many and it involves many factors. This program will address many of those factors and will illustrate the process and the results of several successful projects.

It will address the acceptability of or adaptability of a remodeling, a renovation or a restoration effort; establishing the historical value of a building site; the advantages of certain building types versus others; the obstacles and pitfalls that may be encountered; the perceptions of building owners and public officials as experienced by the program participants.

Panel members are Brooks Cavin, FAIA, of Brooks Cavin/John Rova Architects; John Cunningham, AIA, of Cunningham Architects; Arvid Elness, AIA, of Arvid Elness Architects, Inc.; and George Winterowd, Professor, School of Architecture, University of Minnesota.

#### **4:30 pm Seminar 14 (Room 2) Leadership: The Challenge Of Choice**

This popular course is being repeated because of its success last January. If you did not participate then, it's a must for your Convention schedule now. You will be given a new perspective on leadership and the importance of communication. Self confidence and the ability to motivate are skills to be cultivated. Rosemary Dineen has proven herself to be a dynamic leader and generated the following comments: "a very rewarding program"; an "excellent model for presentation techniques"; and over and over her enthusiasm and ability were cited.

#### **5:30 pm-10:00 pm Guest Night**

Dazzle Your Clients! Invite your planning commission, school board members, aldermen, church building committee, library board, neighborhood merchants, government leaders, contractors, engineers and other professional associates. Show them another aspect of the architectural profession. Let them absorb the range of products needed for their project. Show them through the exhibit hall, informally discuss the choices available—pros and cons. Make them an integral and educated part of the design process. Use this evening as a social and informational time with your client.

Special features of Guest Night include a satirical performance by Dudley Riggs Brave New Workshop; and music throughout the evening by Tuesday's Men.

---

## **Thursday, October 28, 1982**

---

### **The Celebration**

---

#### **6:30 pm**

The 1982 Winners of the MSAIA Honor Awards will be honored at this celebration. The architects, clients, colleagues, all convention attendees and exhibitors are invited to join this celebration. Awards to be given include Honor, Special, Twenty-Five Year and School Awards. These awards represent great achievement on the part of MSAIA members and firms.

The **MSAIA Gold Medal** will be presented to Edward A. Sovik, FAIA at the Awards Celebration that will take place in the Auditorium at Lutheran Brotherhood, a very beautiful space designed by Ed Sovik.

#### **7:45 pm**

Following the Awards Ceremony celebrants will cross the street



to the Atrium of the Hennepin County Government Center to enjoy the President's Reception poolside. An elegant hors d'oeuvres buffet will be served with music and dancing to follow. Join your colleagues and make this the "Special Event" that it is.

## SPECIAL FEATURES

**Exhibit Hall**—Is the Exhibit Hall a meeting place, an outdoor cafe, a city park, a bustling trade fair, a musical showcase, an activity center, a classroom, a stage, a bookstore, or a graphic display of good design. It is all of these and much, much more.

**Come**—See the new look of the 1982 MSAIA Convention and Design Exhibition.

**Cafe**—A new concept in convention cuisine. Lunches will be served in the atmosphere of an outdoor cafe set within a park. The ambience, the food, the service, and seating are this cafe's features.

**Registration Package**—Includes admission to the exhibit hall, all seminars, all speakers, one free lunch in the exhibit hall cafe, the Annual Meeting (members only), complete registration folder, and admission to the Grand Opening Party for you and your spouse/significant other, plus a drink ticket.

**Works In Progress**—An opportunity for all MSAIA Firms to present graphically, within a limited format, current office work.

**Greatapes**—For the first time many of our speakers and seminars will be recorded on audio tapes that will be available for purchase the same day at the Greatapes Booth. This service will alleviate some of the difficulty in selecting which program to attend.

**Energy Sourcebook**—The Energy Committee will be available to discuss the Sourcebook, future articles, and to promote the Sourcebook as a valuable tool for each architectural firm.

**Graphic Displays** will be on view in the exhibit hall, including the MSAIA Honor Awards, Minnesota Chapter of the American Society of Landscape Architects, and the Minnesota Graphic Designers Association.

**Live Music** daily in the exhibit hall.

**PaperArchitecture**—Browse through the books, select your favorite titles for Christmas presents, buy a new pen, see the latest gifts and toys.

## SPECIAL CONTRIBUTORS

**Arteka, Inc.**—Plants and Shrubs

**Association Administrators & Consultants**—Registration Packet Notepads

**Bachman's**—Trees

**Construction Products Manufacturers Council**—Seminar Sponsor

**General Office Products**—Registration Area and PaperArchitecture Furniture

**Hamele Recreation Company**—Lounge Area Benches

**Minnesota Ceramic Tile Industry**—President's Reception

**Minnesota Drywall Council**—Exhibit Hall Stage, Dudley Riggs Brave New Workshop Performance, Popcorn Wagon

**Minnesota Lathing & Plaster Bureau**—Speaker Sponsor

**Plantscape**—Plants

**Pouliot Design**—Lounge Area Benches and Planters

## 1982 Exhibitors Directory

We encourage all MSAIA members and guests to become acquainted with the manufacturer's representatives, their products and services by viewing the exhibits of new products, equipment and services on display in the Exhibit Hall. Read the following listings carefully and make plans to visit each one of these stimulating and educational displays. We also suggest you keep the program as a handy reference book throughout the year when you are specifying new products.

| Exhibitor                                                                                                                                                                                                                                                                                                                                                  | Booth No.  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>ABC—Alpha Beta Copy</b><br>494 Lowry Medical Building<br>St. Paul, MN 55102<br>612/297-8200<br>Contact: Ing Siverts<br>Alpha Beta Copy, Inc. specializes in catering to the needs of architects by providing fast, high-quality reproductions of specification books and plans, and by carrying a complete line of architectural and drafting supplies. | <b>415</b> |

| Exhibitor                                                                                                                                                                                                                                                                                     | Booth No.       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Acoustical Floors, Inc.</b><br>900 Hamel Road<br>Hamel, MN 55340<br>612/478-6744<br>Contact: Tom Johnson<br>GYP-CRETE Floor Underlayment and Radiant Floor Heating.                                                                                                                        | <b>705</b>      |
| <b>Aero Drapery</b><br>11965—12th Avenue So.<br>Burnsville, MN 55337<br>612/890-6393<br>Contact: Richard Zwart<br>Draperies, horizontal blinds, shades, stage draperies, vertical blinds, drapery track, cubicles.                                                                            | <b>410A</b>     |
| <b>Air Power Door Systems</b><br>P.O. Box 8757<br>White Bear Lake, MN 55110<br>612/482-9505<br>Contact: Norm Warning                                                                                                                                                                          | <b>406</b>      |
| <b>Albinsons</b><br>1401 Glenwood Avenue<br>Minneapolis, MN 55405<br>612/374-1120<br>Contact: Kent Albinson<br>Reprographics and Bruning diazo copying equipment. Architectural drawing systems.                                                                                              | <b>527, 532</b> |
| <b>Alpana Aluminum Products Co. Inc.</b><br>13500 County Road 6<br>Minneapolis, MN 55441<br>612/559-1551<br>Contact: Warren Biehl<br>Custom aluminum energy saving windows, curtain walls, architectural metal work. Design development, assistance, specifications and budget cost analysis. | <b>429</b>      |
| <b>American Seating Co.</b><br>4926 France Avenue So.<br>Minneapolis, MN 55410<br>612/927-4181<br>Contact: Roz Vannelli<br>Open office panel system and office seating.                                                                                                                       | <b>200</b>      |
| <b>Anchor Block Co.</b><br>P.O. Box 43360<br>St. Paul, MN 55165<br>612/777-8321<br>Contact: Richard C. Schumacher<br>Architectural concrete masonry units with emphasis on "Adobe Stone", a new unit now locally available.                                                                   | <b>539</b>      |
| <b>ANDCO, INC.</b><br>2015 N. 54th<br>Superior, WI 54880<br>715/392-4736<br>Contact: Jon T. Woolverton<br>Trocac PVC window systems.                                                                                                                                                          | <b>427, 432</b> |
| <b>Andersen Corporation</b><br>Bayport, MN 55003<br>612/439-5150<br>Contact: John Becker<br>Andersen windows and gliding patio doors. Featuring the Andersen window replacement system.                                                                                                       | <b>602, 603</b> |
| <b>Earl F. Andersen &amp; Assoc., Inc.</b><br>9864 James Circle<br>Bloomington, MN 55431<br>612/884-7300<br>Contact: John Demko<br>Park and playground equipment, site furnishings, bleacher/stadium seating.                                                                                 | <b>534</b>      |
| <b>Anderson Lighting</b><br>200 North River Ridge Circle<br>Burnsville, MN 55337<br>612/890-1530<br>Contact: Mark Anderson<br>Featuring Slater lighting, Elliptipar lighting and Habitat lighting.                                                                                            | <b>515</b>      |
| <b>Fred G. Anderson, Inc.</b><br>5825 Excelsior Blvd.<br>St. Louis Park, MN 55416<br>612/927-1804<br>Contact: Mr. W. D. MacMillan<br>The latest in color and design of fine wallcovering and fabric.                                                                                          | <b>204</b>      |



| Exhibitor                                                                                                                                                                                                                                                                                                                                                   | Booth No.       | Exhibitor                                                                                                                                                                                                                                                                                                                                                                           | Booth No.                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>Architectural Sales of MN, Inc.</b><br>4550 Quebec Avenue No.<br>Minneapolis, MN 55428<br>612/533-1595<br>Contact: John Dean and Gary Eklund<br>Alcan ceiling systems, Armstrong Luminaire ceiling systems and<br>Netherhill computer floor.                                                                                                             | <b>304</b>      | <b>Bigelow-Sanford Co.</b><br>4930 W. 77th Street<br>Edina, MN 55435<br>612/835-2272<br>Contact: Mike Kloster<br>Woven commercial carpet and carpet tile.                                                                                                                                                                                                                           | <b>510A</b>                                                                |
| <b>Armor Security Inc.</b><br>2313 Hennepin Avenue So.<br>Minneapolis, MN 55405<br>612/374-1826<br>Contact: Doug Wilson<br>Alarm security systems, Durham access system and Trigon<br>Telephone Entry System.                                                                                                                                               | <b>525</b>      | <b>Borgert Concrete Products</b><br>Box 39<br>St. Joseph, MN 56374<br>612/251-1133<br>Contact: Kevin Borgert<br>Burnished Block, several types of Split Face Block including the<br>new "Designer Series Block"; also Uni-Stone interlocking paving<br>stone and various precast concrete products.                                                                                 | <b>210</b>                                                                 |
| <b>Arteka, Inc.</b><br>6233 Baker Road<br>Eden Prairie, MN 55344<br>612/937-1112<br>Contact: Jerry Bailey<br>Landscape and recreation design, construction and planting.                                                                                                                                                                                    | <b>331</b>      | <b>Bruning</b><br>1800 Bruning Drive West<br>Itasca, IL 60143<br>312/351-7550<br>Contact: Greg Cigan<br>Bruning's <i>Easy Draft</i> <sup>2</sup> Computer Aided Drafting System.                                                                                                                                                                                                    | <b>624A</b>                                                                |
| <b>Artsign Materials Co.</b><br>2501—26th Avenue So.<br>Minneapolis, MN 55406<br>612/721-6421<br>Contact: Paul Melby<br>Offering quality artist tools, materials and equipment plus custom<br>framing, mounting and laminating.                                                                                                                             | <b>211, 214</b> | <b>Business Furniture, Inc.</b><br>6210 Wayzata Blvd.<br>Minneapolis, MN 55416<br>612/544-3311<br>Contact: Bonnie Momsen<br>Furniture dealership spotlights one of the many needs of your<br>client; seating for the individual.                                                                                                                                                    | <b>417, 422</b>                                                            |
| <b>American Society of Interior Designers<br/>Minnesota Chapter</b><br>314 Clifton Avenue<br>Minneapolis, MN 55403<br>612/874-8771<br>Contact: Nila Hildebrandt<br>Informational slide presentation on ASID—a celebration of ASID's<br>50th Birthday and a presentation of the interior design awards for<br>Minnesota, North Dakota and South Dakota.      | <b>606</b>      | <b>Cambium Div. of L. Vaughn Co.</b><br>555 Jefferson Blvd.<br>Warwick, RI 02886<br>401/739-2800<br>Contact: Woody Vaughn<br>Architectural woodwork—architectural metalwork—custom office<br>furniture and furnishings—wood doors plus plywood<br>manufacturers.                                                                                                                    | <b>212</b>                                                                 |
| <b>Association Administrators &amp; Consultants</b><br>19000 MacArthur Blvd., Suite 500<br>Irvine, CA 92713<br>800/854-0491<br>Contact: Randall Jeffs, Vice President Marketing<br>MSAIA Group Insurance Plan.                                                                                                                                              | <b>303</b>      | <b>Canadian Consulate General</b><br>15 South Fifth Street<br>Minneapolis, MN 55402<br>612/333-4641<br>Contact: Margaret Mearns, Commerical Officer<br>See separate Canadian Exhibitors listed at the end of this section.                                                                                                                                                          | <b>507, 508, 509<br/>512, 513, 514<br/>517, 518, 519<br/>522, 523, 524</b> |
| <b>Associated Builders and Contractors of Minnesota</b><br>6300 Walker Street, Suite 109<br>Minneapolis, MN 55416<br>612/920-6220<br>Contact: Dan D. Foth<br>Information and literature regarding Minnesota ABC, our national<br>trade association and the merit shop construction philosophy.<br>Information regarding individual contractor capabilities. | <b>322</b>      | <b>Canton Redwood Yard, Inc.</b><br>9110—83rd Avenue No.<br>Brooklyn Park, MN 55445<br>612/425-1400<br>Contact: Craig J. Wallin, CSI<br>New interior and exterior forest products increase the range of<br>design choice. Canton is showcasing redwood solid lumber<br>products emphasizing a new generation of RuffRider select knotty<br>siding, paneling, and accent treatments. | <b>615</b>                                                                 |
| <b>Automatic Garage Door Co.</b><br>220—77th Avenue N.E.<br>Minneapolis, MN 55432<br>612/571-2525<br>Contact: D. David Olmeim<br>Overhead-type doors.                                                                                                                                                                                                       | <b>312</b>      | <b>Cardinal IG</b><br>6700 Excelsior Blvd.<br>Minneapolis, MN 55426<br>612/935-1722<br>Contact: Michael J. Curtis<br>Dual seal silicone insulating glass units for conventional and<br>structural glazing applications. All tinted and reflective glasses<br>available for insulating units.                                                                                        | <b>712</b>                                                                 |
| <b>Barcol Overdoor Company, Inc.</b><br>P.O. Box 667<br>Sheffield, IL 61361<br>815/454-2321<br>Contact: C. F. Wilson<br>Overhead type doors and operators.                                                                                                                                                                                                  | <b>328</b>      | <b>Carlson Store Fixtures</b><br>26 North Fifth Street<br>Minneapolis, MN 55403<br>612/375-1606 (main office)<br>463-4660 (mfg. plant)<br>Contact: Bob Haueter<br>Custom casework manufacturer—retail and institutional.                                                                                                                                                            | <b>206</b>                                                                 |
| <b>Barton Malow Co.</b><br>3500 W. 80th Street, Suite 660<br>Minneapolis, MN 55431<br>612/831-3300<br>Contact: Scot Anderson<br>General contractors and construction managers. Program<br>management and construction consulting.                                                                                                                           | <b>520, 521</b> | <b>Jerry Carnes Associates</b><br>1415 Martin Drive<br>Eden Prairie, MN 55344<br>612/937-1880<br>Contact: Carol A. Mueller<br>Longlites by PEERLESS Electric Company; Shogun—decorative<br>tambours and grilles of solid woods and laminates; and STAGE/<br>BRITE.                                                                                                                  | <b>717</b>                                                                 |
| <b>A. H. Bennett Co.</b><br>900 Glenwood Avenue<br>Minneapolis, MN 55405<br>612/374-3444<br>Contact: Dan Ohman<br>Celotex Celo-One (TM) elastic sheet roofing and roofing insulation.                                                                                                                                                                       | <b>533</b>      | <b>Carson Pirie Scott and Company</b><br>2950 Lexington Avenue So.<br>Eagan, MN 55121<br>612/452-6600<br>Contact: Roger Somekawa<br>Wholesale, commercial carpet.                                                                                                                                                                                                                   | <b>439, 440</b>                                                            |
| <b>Benoit Inc.</b><br>635 N. Prior Avenue<br>St. Paul, MN 55104<br>612/646-1387<br>Contact: Richard Oehme<br>Benoit custom fabricated insulated glazing panels. Also, Masonite<br>flametest hardboard paneling.                                                                                                                                             | <b>704</b>      |                                                                                                                                                                                                                                                                                                                                                                                     |                                                                            |
| Contact: Joseph Willing<br>Benoit EPDM and Tapped insulation.                                                                                                                                                                                                                                                                                               | <b>703</b>      |                                                                                                                                                                                                                                                                                                                                                                                     |                                                                            |



| Exhibitor                                                                                                                                                                                                                                                         | Booth No.        | Exhibitor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Booth No.       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Chandler Concrete Products</b><br>P.O. Box 666<br>Lakeville, MN 55044<br>612/469-3996<br>Contact: Tim Lindbo<br>Precast concrete curbing and miscellaneous concrete products.<br>Ornamental iron and spiral stairways.                                         | <b>205</b>       | <b>Edwards Sales</b><br>6530 Cambridge St.<br>St. Louis Park, MN 55426<br>612/929-6794<br>Contact: Roger Nyberg<br>Styrofoam Brand insulation for perimeter, wall and roof applications.<br>Featuring the new Dow Insulated Roof Panel Overlay system—<br>XFS4249.                                                                                                                                                                                                                                   | <b>431</b>      |
| <b>Rollin B. Child Inc.</b><br>1820 Berkshire Lane No.<br>P.O. Box 9368<br>Minneapolis, MN 55440<br>612/559-5531<br>Contact: Jan Voigt<br>Ceramic tile, contract carpeting and acrylic impregnated wood floors.                                                   | <b>540, 541</b>  | <b>Effective Building Products, Inc.</b><br>2950 Metro Drive, Suite 305<br>Bloomington, MN 55420<br>612/854-3588<br>Contact: Dorothy Nyberg<br>EBP manufactures Bentonize CR-80-T, CR-80-S and Waterstop Plus underground waterproofing products.                                                                                                                                                                                                                                                    | <b>502</b>      |
| <b>Cold Spring Granite Co.</b><br>202—3rd Avenue So.<br>Cold Spring, MN 56320<br>612/685-3621<br>Contact: Ted Krebsbach<br>Granite of building facing, paving, landscape applications.                                                                            | <b>720</b>       | <b>Ekono Windo Company</b><br>410 Bellevue Way S.E.<br>Bellevue, WA 98004<br>206/455-5969<br>Contact: James L. McDaniel<br>Air Curtain Window (energy efficient window system).                                                                                                                                                                                                                                                                                                                      | <b>503</b>      |
| <b>Conpro Inc.</b><br>755 Florida Avenue So.<br>Minneapolis, MN 55426<br>612/544-0540<br>Contact: George White Jr.<br>Thoro Systems Products.                                                                                                                     | <b>216</b>       | <b>Elzinga &amp; Volkers, Inc.</b><br>12 South 6th Street<br>Minneapolis, MN 55402<br>612/333-5720<br>Contact: Steve Everts<br>Construction management and project management services.                                                                                                                                                                                                                                                                                                              | <b>405</b>      |
| <b>CPT Corporation</b><br>2901 Metro Drive, Suite 221<br>Minneapolis, MN 55420<br>612/854-7101<br>Contact: Ellen Cooke<br>Word processing equipment and hardware and relating word processing and data processing software.                                       | <b>620</b>       | <b>Empirehouse, Inc.</b><br>1055 No. 5th Street<br>Minneapolis, MN 55411<br>612/338-5877<br>Contact: John "Grif" Griffith, Jr.<br>EMPIREHOUSE, INC. will display their full line of Commercial Entrance Systems and Capitol Thermal Break Windows and Patio Doors. Both the Empirehouse and Capitol lines feature the use of aluminum for easy care, long wear and low maintenance. Thermally designed, these products prove to be cost efficient for savings before, during and after construction. | <b>332</b>      |
| <b>Cronstroms Mfg., Inc.</b><br>4225 Hiawatha Avenue So.<br>Minneapolis, MN 55406<br>612/722-6671<br>Contact: Joseph D. Febbo<br>Thermal break store front systems, aluminum entrances, windows.                                                                  | <b>320</b>       | <b>EMPRO CORPORATION</b><br>14530—27th Avenue No.<br>Minneapolis, MN 55441<br>612/559-0123<br>Contact: Paul Suomala<br>Supplying the Upper Midwest with elastomeric and single ply roofing membranes to the construction trade. EMPRO is a pioneer in urethane installation systems for construction use.                                                                                                                                                                                            | <b>412</b>      |
| <b>Custom Plastics</b><br>1401 West River Road No., Unit G<br>Minneapolis, MN 55411<br>612/522-4334<br>Contact: Wayne Ressemius<br>Fabricators and installers of residential and commercial countertops.                                                          | <b>416</b>       | <b>Fabcon, Incorporated</b><br>6111 West Highway 13<br>Savage, MN 55378<br>612/890-4444<br>Contact: Gary C. Janisch<br>Precast concrete insulated wall panels, floor plank and roof plank.                                                                                                                                                                                                                                                                                                           | <b>220</b>      |
| <b>DeVAC, Inc.</b><br>10130 Highway 55<br>Minneapolis, MN 55441<br>612/544-3200<br>Contact: Rodger D. Bartlett and Sharon Anderson<br>DeVAC energy conserving aluminum window products for new construction and replacement featuring the patented Thero-barrier. | <b>538</b>       | <b>Flooring Distributors</b><br>1565—1st Avenue N.W.<br>New Brighton, MN 55112<br>612/636-0900<br>Contact: Ken Whitney<br>Hartco solid oak parquet flooring, Congoleum vinyl.                                                                                                                                                                                                                                                                                                                        | <b>716</b>      |
| <b>Door Systems, Inc.</b><br>3550 Dakota Avenue<br>Minneapolis, MN 55416<br>612/929-0421<br>Contact: Jim Klemenhausen<br>Commercial and industrial doors.                                                                                                         | <b>329</b>       | <b>Jack Forciea Associates</b><br>5500 Lincoln Drive, Suite 195<br>Edina, MN 55436<br>612/935-9800<br>Contact: Gary Kanuit<br>Foamed urethane insulation for a variety of construction applications. It is widely used in roof insulation, gypsum wall board panels and a movable wall partition system.                                                                                                                                                                                             | <b>608, 609</b> |
| <b>DuPont Company</b><br>7415 Melvina Avenue<br>Niles, IL 60648<br>312/647-7887<br>Contact: Richard A. Butler<br>Systems drafting concepts. Photo reproduction products.                                                                                          | <b>324</b>       | <b>Ford Glass Division</b><br>300 Renaissance Center<br>P.O. Box 43343<br>Detroit, MI 48243<br>313/568-2312<br>Contact: Roy Drake and L. E. Hoefgen<br>Architectural glass for all purposes.                                                                                                                                                                                                                                                                                                         | <b>333</b>      |
| <b>Duratherm Window Corp.</b><br>Main Street<br>North Vassalboro, ME 04962<br>207/872-5558<br>Contact: Philip Cole<br>Manufacturers of commercial and institutional quality teke-faced mahogany windows, doors and rolling doors.                                 | <b>535, 535A</b> | <b>Franz Engineering Reproduction Inc.</b><br>5209 Humboldt Avenue No.<br>Minneapolis, MN 55430<br>612/521-7641<br>Contact: Allen Franz<br>Graphic arts—engineering reproductions, pin register system; drafting supplies.                                                                                                                                                                                                                                                                           | <b>302</b>      |
| <b>Eagle Mfg. Co.</b><br>375 E. Ninth St.<br>P.O. Box 1072<br>Dubuque, IA 52001<br>319/556-2270<br>Contact: Harold Saltzman<br>Energy-efficient wood Eagle window with an extruded dura/sheath covering.                                                          | <b>607</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |



| Exhibitor                                                                                                                                                                                                                                                                                                                                                                                                 | Booth No.       | Exhibitor                                                                                                                                                                                                                                                                                                                                                                             | Booth No.       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Gage Brothers Concrete Products, Inc.</b><br>Box 1526<br>Sioux Falls, S.D. 57101<br>605/336-1180<br>Contact: Al Gage, Jr.<br>Architectural precast and burnished blocks.                                                                                                                                                                                                                               | <b>327</b>      | <b>Hirshfield's</b><br>824 Hennepin Avenue<br>Minneapolis, MN 55403<br>612/332-6511<br>Contact: Don Katchmark<br>Wall covering and paints.                                                                                                                                                                                                                                            | <b>714</b>      |
| <b>General Electric Plastics—Sheet Products</b><br>11100 Silver Spring Road<br>Milwaukee, WI 53225<br>414/461-2122<br>Contact: R. E. Malthouse<br>Lexan sheets for architectural glazing.                                                                                                                                                                                                                 | <b>630</b>      | <b>Rolf Jensen &amp; Associates, Inc.</b><br>104 Wilmot Road, Suite 201<br>Deerfield, IL 60015-5169<br>312/948-0700<br>Contact: Ralph E. Transue, P.E.<br>Building code consulting, equivalency studies and fire protection system design.                                                                                                                                            | <b>318A</b>     |
| <b>General Office Products Company</b><br>4521 Highway Seven<br>St. Louis Park, MN 55344<br>612/925-7501<br>Contact: Ron St. John and Vaike Radamus<br>General Office Products Company presents <i>Knoll International</i> Gwathmey Siegel executive line desk and credenza with the latest Knoll Diffrient and Stephens seating.                                                                         | <b>202, 203</b> | <b>JMK Sales Co., Inc.</b><br>2767 Highway 55<br>St. Paul, MN 55121<br>612/452-5100<br>Contact: James Michalski<br>Presenting Santana products (toilet partitions), tubular specialties, and accessory specialties.                                                                                                                                                                   | <b>529</b>      |
| <b>Golden Valley Supply Company</b><br>5981 Golden Valley Road<br>Golden Valley, MN 55422<br>612/544-8907<br>Contact: Gary Larson<br>Architectural Tambour wall coverings, carved wood panels, wood linear ceiling systems.                                                                                                                                                                               | <b>403</b>      | <b>Johnson-Bigler Company, Inc.</b><br>13450 Johnson Memorial Drive<br>Shakopee, MN 55379<br>612/445-3723<br>Contact: Thomas Eggen<br>Burnished concrete block, pre-insulated masonry units, decorative architectural-faced concrete masonry units.                                                                                                                                   | <b>330</b>      |
| <b>W. L. Hall Co.</b><br>14800 Martin Drive<br>Eden Prairie, MN 55435<br>612/937-8400<br>Contact: Bill Hall<br>Energy efficient and third generation skylight and window management systems manufactured by Wausau Metals Corp. and Kalwall Corp. Also architectural quality Solar's Glass Block for new and remodeling construction.                                                                     | <b>207</b>      | <b>Kawneer Company</b><br>1377 East Industrial Drive<br>Itasca, IL 60143<br>612/831-2531 or 537-7134<br>Contact: Rod Stombaugh<br>Architectural aluminum products. Storefronts, entrances, curtainwalls, windows.                                                                                                                                                                     | <b>400</b>      |
| <b>Hamele Recreation Company, Inc.</b><br>P.O. Box 256<br>Hamel, MN 55340<br>612/478-9400<br>Contact: Fran Hamele<br>Site amenities in wood and concrete. Various playground equipment.                                                                                                                                                                                                                   | <b>438</b>      | <b>Kling &amp; Associates, Inc.</b><br>7601 Bass Lake Road<br>Minneapolis, MN 55428<br>612/535-4141<br>Contact: Von Kling<br>Tnemec's new fireproofing "Tneme-Shield". Chevron's CIM waterproofing.                                                                                                                                                                                   | <b>423</b>      |
| <b>Harmon Glass</b><br>786 Kasota<br>Minneapolis, MN 55414<br>612/331-4300<br>Contact: Stewart Whelan<br>An integrated Glass Door and Kiosk system, complete integrated glass railing system, and an exterior solar blind control system.                                                                                                                                                                 | <b>721</b>      | <b>Kraus-Anderson Construction Co.</b><br>525 So. 8th St.<br>Minneapolis, MN 55404<br>612/332-7281<br>Contact: Ray Rauch, 2500 Minnehaha, Mpls. MN 55404, 612/721-7581<br>General construction company offering complete construction services on a nationwide basis. Specializing in the construction of facilities ranging from multi-family housing to high-rise office complexes. | <b>610</b>      |
| <b>Hauenstein &amp; Burmeister Inc.</b><br>2629—30th Avenue S.<br>Minneapolis, MN 55433<br>612/631-2086<br>Contact: Dennis Anderson at 1722 Terrace Drive, Roseville, MN 55113<br>Architectural metal products and glass.                                                                                                                                                                                 | <b>701</b>      | <b>Kroy Inc.</b><br>1801 E. 79th Street, Suite 2<br>Bloomington, MN 55420<br>612/854-0199<br>Contact: John Nessen and Gara Gehring<br>Kroy lettering systems—new products Kroy 80K keyboard lettering system and Kroy 24 desktop lettering system; architectural signwear (605)                                                                                                       | <b>604, 605</b> |
| <b>The E. F. Hauserman Company</b><br>7886—12th Avenue So.<br>Minneapolis, MN 55420<br>612/854-1576<br>Contact: Dennis Lamb<br>Moveable office interior systems, including product, service, design, and space planning.                                                                                                                                                                                  | <b>213</b>      | <b>Lowy Enterprises</b><br>1565—1st Avenue N.W.<br>New Brighton, MN 55112<br>612/636-0900<br>Contact: Robert Rehbein<br>Colonade carpet, Calaway carpet, Americana carpet, Condec carpet, Congoleum Vinyl                                                                                                                                                                             | <b>715</b>      |
| <b>Heise's Associated</b><br>4111—85th Avenue N.E.<br>New Brighton, MN 55112<br>612/784-7026<br>Contact: Michael Blackston<br>Revolving doors for pedestrian, handicapped and security uses.                                                                                                                                                                                                              | <b>506</b>      | <b>Mahin-Walz, Inc.</b><br>14324 Stewart Lane, Box 1379<br>Minnetonka, MN 55343<br>612/935-7759<br>Contact: Bob G. Mahin<br>Introducing <i>CERVITOR</i> finely crafted compact kitchens made to fit your exact space requirements, in your choice of color and finish.                                                                                                                | <b>433</b>      |
| <b>The Hillstead Co.</b><br>P.O. Box 923<br>Burnsville, MN 55337<br>612/890-9277<br>Contact: Ed Hillstead<br><i>American Seating Co.</i> —auditorium, stadium, classroom seating; <i>Daktronics</i> —Scoreboards all types; <i>Universal Bleacher Co.</i> —bleachers, basketball backstops, folding platforms; <i>Northwest Studio</i> —gym curtains; <i>Taylor Mfg.</i> —science and classroom casework. | <b>425</b>      | <b>Marmet Corp.</b><br>410 Bellis St.<br>P.O. Box 1008<br>Wausau, WI 54401<br>715/845-5242<br>Contact: John Giese<br>Aluminum window and curtain wall systems for non-residential application.                                                                                                                                                                                        | <b>414</b>      |



| Exhibitor                                                                                                                                                                                                                                                                                                                                                                                                   | Booth No.       | Exhibitor                                                                                                                                                                                                                                                                       | Booth No.            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Marvin Windows</b><br>Warroad, MN 56763<br>218/386-1430<br>Contact: Dan McKinnon<br>New aluminum-clad patio door. Marvin terrace door and round top windows.                                                                                                                                                                                                                                             | <b>706, 707</b> | <b>Mizell Bros. Co.</b><br>601 Taft Street N.E.<br>Minneapolis, MN 55413<br>612/331-3490<br>Contact: Guy Young<br>MITR insulation system for roof application in new construction.                                                                                              | <b>434</b>           |
| <b>McKee Enterprises</b><br>2785 Highway 55<br>St. Paul, MN 55121<br>612/454-1700<br>Contact: Phil LaGrandeur<br>Commercial carpet, tile, linoleum, stairtreads. Wellco carpets, Tarkett floors, Roppe rubber products.                                                                                                                                                                                     | <b>500</b>      | <b>Mohawk Carpet Co.</b><br>323 Stinson Blvd.<br>Minneapolis, MN 55413<br>612/331-4640<br>Contact: Bill Derrick<br>Commercial carpets.                                                                                                                                          | <b>301</b>           |
| <b>Metal Sales Manufacturing Corp.</b><br>9401—83rd Avenue No.<br>Brooklyn Park, MN 55445<br>612/425-1700<br>Contact: Mike Turgeon and John Albu<br>"Stile" metal roofing—a new metal roof system that combines the durability and versatility of prepainted steel with the timeless appeal and crispness of roof tiles. Also available "Standing Seam" metal roof, a system for new and/or existing roofs. | <b>528</b>      | <b>Monarch Tile Mfg. Inc.</b><br>3460 Sunnycrest Drive<br>Brookfield, WI 53005<br>414/781-4799<br>Contact: Lowell Bauer<br>Ceramic wall and floor tile.                                                                                                                         | <b>718, 719</b>      |
| <b>MN Advanced Window Sales</b><br>401 E. 78th Street<br>Minneapolis, MN 55420<br>612/888-8925<br>Contact: Bob Christenson, Arch. Div. Mgr.<br>Windows and doors for new construction and rehabilitation. Representatives for Acorn, Rusco, Hopes and Alenco. Everything from storm windows to curtain walls.                                                                                               | <b>435</b>      | <b>Charles Nasby Associates Inc.</b><br>5300 Excelsior Blvd.<br>Minneapolis, MN 55416<br>612/927-8887<br>Contact: Charles Nasby, Jr.<br>Lord and Burnham glass enclosures, Trocal PVC windows, Fentron curtainwall, Guardian translucent panels and Dittmer walkway enclosures. | <b>628</b>           |
| <b>Minnesota Architectural Foundation</b><br>314 Clifton Avenue<br>Minneapolis, MN 55403<br>612/874-8771<br>Contact: Donald C. G. Nelson, AIA<br>The Minnesota Architectural Foundation is a charitable non-profit foundation which supports architectural education fellowships and special interest programs. The Foundation is currently soliciting contributions to its endowments.                     | <b>402</b>      | <b>New Morning Builders Inc.</b><br>3207 W. 47th Street<br>Minneapolis, MN 55410<br>612/922-4398<br>Contact: Alexis Richman<br>Custom arched windows.                                                                                                                           | <b>713</b>           |
| <b>Minnesota Diversified Products, Inc.</b><br>1901—13th Street N.E.<br>New Brighton, MN 55112<br>612/633-6770<br>Contact: Richard J. Hudicek<br>Manufacturers of Certifoam extruded polystyrene and Ray-Lite expanded polystyrene foam insulations.                                                                                                                                                        | <b>613</b>      | <b>Charles Parker Company</b><br>290 Pratt Street<br>Meriden, CN 06450<br>and<br>REI Incorporated<br>704 Vandalia Street<br>St. Paul, MN 55114<br>Contact: Gary Johnson, 612/925-4944<br>Washroom accessories and coat racks.                                                   | <b>221</b>           |
| <b>Minnesota Drywall Council</b><br>7000—57th Avenue No.<br>Crystal, MN 55428<br>612/535-4171<br>Contact: Roger Zack<br>Featuring various completed projects in Minneapolis and St. Paul; also various uses of dry wall and steel studs.                                                                                                                                                                    | <b>424</b>      | <b>Pella Products, Inc.</b><br>668 Kasota Avenue S.E.<br>Minneapolis, MN 55414<br>612/623-7640<br>Contact: Jim Johnson<br>Pella windows and doors.                                                                                                                              | <b>708, 709, 710</b> |
| <b>Minnesota Masonry Institute</b><br>7851 Metro Parkway, Suite 103<br>Minneapolis, MN 55420<br>612/854-0196<br>Contact: Howard Noziska<br>Information on masonry construction (brick, block, stone). Our library has numerous design and detailing references as well as practical construction procedure manuals. We are available to give in-house presentations to design firms upon request.           | <b>326</b>      | <b>Pioneer Plastics</b><br>Division of LOF Plastics, Inc.<br>P.O. Box 1366<br>Elk Grove Village, IL 60007<br>312/439-2300<br>Contact: Richard Brice<br>High pressure decorative laminates.                                                                                      | <b>624</b>           |
| <b>MN Painting &amp; Decorating Contractors</b><br>2495 Canabury Drive #219<br>St. Paul, MN 55117<br>612/483-1125<br>Contact: Jesse Marks<br>Trade association.                                                                                                                                                                                                                                             | <b>437</b>      | <b>Plantscape, Inc.</b><br>6971 Washington Avenue So.<br>Edina, MN 55441<br>612/941-4930<br>Contact: Craig Peterson<br>Tropical plants—leasing, sales, design, specification, service.                                                                                          | <b>426</b>           |
| <b>Minnesota Tile Supply</b><br>4825 France Avenue No.<br>Minneapolis, MN 55429<br>612/533-2461<br>Contact: Charles Gladden<br>GL Marble represented by Marble Technics Ltd.                                                                                                                                                                                                                                | <b>208, 209</b> | <b>Proco Wood Products</b><br>19140 Linden Drive<br>Osseo, MN 55369<br>612/428-4356<br>Contact: Keith Smith<br>Custom manufacturer of custom casework.                                                                                                                          | <b>516</b>           |
| <b>Minnesota Toro, Inc.</b><br>14900—21st Avenue No.<br>Plymouth, MN 55441<br>612/475-2200<br>Contact: Bob Fredericks<br>Turf irrigation equipment and irrigation system design service.                                                                                                                                                                                                                    | <b>702</b>      | <b>Professional Color Service, Inc.</b><br>909 Hennepin Avenue So.<br>Minneapolis, MN 55403<br>612/332-7721<br>Contact: Dave Lundberg<br>Custom color and black and white photofinishing. 3-M Scanamural.                                                                       | <b>334, 335</b>      |
|                                                                                                                                                                                                                                                                                                                                                                                                             |                 | <b>P. S. Decor</b><br>225 Border Avenue No.<br>Minneapolis, MN 55405<br>612/332-6303<br>Contact: Drew Kalman<br>Custom color and black and white photo murals—stock collection of images available; specialization in historical and scenic images.                             | <b>530, 531</b>      |



| Exhibitor                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Booth No.        | Exhibitor                                                                                                                                                                                                                                                                                                                                                                                             | Booth No.        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>RITE Systems Inc.</b><br>230 No. River Ridge Circle<br>Burnsville, MN 55337<br>612/890-3027<br>Contact: Bob Tetrault<br>Trocal—single ply membrane roofing; Chem-Trete—<br>weatherproofing for concrete set products—concrete repair<br>products and grout.                                                                                                                                                                                                  | <b>436</b>       | <b>Teke Woodworking</b><br>3229 Bloomington Avenue So.<br>Minneapolis, MN 55407<br>612/729-7779<br>Contact: Teke Kilmer<br>Exceptional custom-designed hardwood furniture, staircases,<br>paneling, flooring, etc.                                                                                                                                                                                    | <b>622A</b>      |
| <b>Rubble Tile Distributors</b><br>6001 Culligan Way<br>Minnetonka, MN 55343<br>612/938-2599<br>Contact: Sandy Larson<br>Marazzi USA Inc., Florida tile and assorted imported and domestic<br>tile lines; IMPO Glaztile.                                                                                                                                                                                                                                        | <b>536, 537</b>  | <b>Tierney Brothers Inc.</b><br>2432 University Avenue<br>St. Paul, MN 55114<br>612/647-1600<br>Contact: Gemma Rossini Cullen<br>Kroy lettering machines and other communication/graphic design<br>products.                                                                                                                                                                                          | <b>215</b>       |
| <b>Sheppard Associates, Inc.</b><br>3027 Idaho Avenue No.<br>Minneapolis, MN 55427<br>612/544-6961<br>Contact: Robert Sheppard<br>Architectural panel specialists, featuring Manville Corporation<br>sculptured wall panels and insulated panel systems.                                                                                                                                                                                                        | <b>625</b>       | <b>Timber Buildings, Inc.</b><br>901 Jefferson Avenue<br>St. Paul, MN 55102<br>612/291-1003<br>Contact: John Perry<br>R-Best Lock Tight insulated construction panels and Will-Seal,<br>"impregnated precompressed foam sealant tape".                                                                                                                                                                | <b>217, 218</b>  |
| <b>J. L. Shiely Co.</b><br>1101 Snelling Avenue No.<br>St. Paul, MN 55108<br>612/646-8601<br>Contact: Thomas Curley<br>Proper use of aggregate and ready-mixed concrete products used<br>in the construction industry.                                                                                                                                                                                                                                          | <b>404</b>       | <b>Topside Specialties Inc. &amp; Kane Bros., Inc.</b><br>1821 University Avenue<br>St. Paul, MN 55104<br>612/646-5510<br>Contact: Donn Brown<br>Gates Engineering Gacoflex single-ply elastomeric sheet roofing<br>systems.                                                                                                                                                                          | <b>428</b>       |
| <b>SIGMA DESIGN, INC.</b><br>1900 E. Golf Road, Suite 670<br>Schaumburg, IL 60195<br>312/490-9595<br>Contact: John C. Whyte, Jr., Regional Manager<br>SIGMA DESIGN specializes in marketing Computer Aided Design &<br>Drafting Systems to the professional design community.                                                                                                                                                                                   | <b>600</b>       | <b>Transart Ind. Inc.</b><br>9649 Vincent Road So.<br>Bloomington, MN 55431<br>612/881-0220<br>Contact: Carol Popovich<br>Art (reproduction—limited edition—original); custom design<br>(matting and framing); lease/purchase program.                                                                                                                                                                | <b>435a</b>      |
| <b>Simpson Co.</b><br>1450 Doolittle Drive<br>San Leandro, CA 94577<br>515/573-5742<br>Contact: John Sherbondy<br>Lumber and timber connectors                                                                                                                                                                                                                                                                                                                  | <b>325</b>       | <b>Truth Inc.</b><br>700 W. Bridge<br>Owatonna, MN 55060<br>507/451-5620<br>Contact: Dick Schuster<br>Manufacturer of quality window, patio door and skylight hardware.                                                                                                                                                                                                                               | <b>616, 617</b>  |
| <b>ELWIN G. SMITH DIVISION</b><br>100 Walls Street<br>Pittsburgh, PA 15202<br>412/761-7474<br>Contact: Ted J. Manick<br>Metal wall and roof panel systems, featuring FOAMWALL, for use<br>on commercial, industrial and curtainwall projects.                                                                                                                                                                                                                   | <b>526</b>       | <b>Twin City Testing/Soil Exploration Co.</b><br>662 Cromwell Avenue<br>St. Paul, MN 55114<br>612/645-3601<br>Contact: Robert Struve<br>We are a professional organization which provides consulting<br>engineering and chemistry services. Our staff includes civil,<br>geological, mechanical, and metallurgical engineers,<br>bacteriologists, chemists, geologists, technicians and office staff. | <b>633</b>       |
| <b>Snow-Larson, Inc.</b><br>1221—2nd Avenue No.<br>Minneapolis, MN 55405<br>612/374-1216<br>Contact: Bob Snow<br>"ACR" single ply roofing by General Tire & Rubber Co.                                                                                                                                                                                                                                                                                          | <b>300, 300A</b> | <b>VELUX-AMERICA INC.</b><br>902 Morse Avenue<br>Schaumburg, IL 60913<br>312/894-1002<br>Contact: Clayton Betzold<br>VELUX Roof Window and sun screening accessories.                                                                                                                                                                                                                                 | <b>700, 700a</b> |
| <b>Solarcrete Minnesota</b><br>6801 West 150th Street<br>Apple Valley, MN 55124<br>612/432-7132<br>Contact: Ray Fischer<br>The Solarcrete Building System is a unique and patented process<br>and offers an "American Alternative" to the building industry. It's a<br>superinsulated, reinforced concrete sandwich panel wall system<br>with thermal resistance (R) values ranging from R11 to R37. The<br>R19 wall has earned a 2 hour fire endurance rating. | <b>201, 201A</b> | <b>Vicrtex Division of L. E. Carpenter</b><br>3050 Metro Drive<br>Bloomington, MN 55420<br>612/854-2070<br>Contact: Bill Rouch<br>Vicrtex—vinyl wall coverings; Vicracoustic—sound absorbing<br>panels; Mitchell Papers—wallpapers; Natural Classics—<br>wallcovering.                                                                                                                                | <b>441</b>       |
| <b>Southside Lumber Co.</b><br>21901 Industrial Blvd.<br>Rogers, MN 55374<br>612/428-4112<br>Contact: Dale L. Barrett<br>Roof and floor trusses, lumber, millwork and windows.                                                                                                                                                                                                                                                                                  | <b>219</b>       | <b>Viracon, Inc.</b><br>800 Park Drive<br>Owatonna, MN 55060<br>507/451-9555<br>Contact: Gayle Herwig<br>Tempered, laminated and insulating glass for the architectural<br>market.                                                                                                                                                                                                                    | <b>222</b>       |
| <b>Spancrete Midwest Company</b><br>Box A-A<br>Osseo, MN 55369<br>612/425-5555<br>Contact: Chuck Anderson<br>Precast/prestressed concrete structures and/or components<br>including Corewall, Spancrete, spandrels, beams, columns,<br>standard and custom wall panels.                                                                                                                                                                                         | <b>601</b>       | <b>W. J. White Company</b><br>5500 Lincoln Drive<br>Edina, MN 55436<br>612/935-2955<br>Contact: Bill White<br>Greenhouses by Four Seasons, redwood window greenhouse by<br>Wesby, skylights by Plasteco, Paeco and Velux.                                                                                                                                                                             | <b>313, 321</b>  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  | <b>WILSONART</b><br>1100 Chase Avenue<br>Elk Grove Village, IL 60007<br>312/437-1500<br>Contact: Larry Dobson and Jim Gayton<br>Manufacturer of decorative high pressure plastic laminate.                                                                                                                                                                                                            | <b>711</b>       |



**Exhibitor****Wood-Lite Ltd.**

4285 Circle Drive  
Wayzata, MN 55391  
612/473-4274  
Contact: Don Ottenweller  
Wood-Lite skylight systems, featuring the warmth and beauty of wood. Wasco skylight systems featuring complete design and engineering using the sun as free lighting

**Youngblood Lumber Co.**

1335 Central Avenue N.E.  
Minneapolis, MN 55413  
612/789-3521  
Contact: Robert Foss, Nevamar Corp.  
312/352-2614  
Nevamar plastic laminate.

**Zenith Products Company**

P. O. Box Z  
Osseo, MN 55369  
612/425-4111  
Contact: Gene Gohr  
Spectra-Glaze masonry units, burnished masonry units, R-wall, exterior insulation and finish system.

**Booth No.**  
**430**

**H. Krug Furniture Co. Ltd.**

111 Ahrens Street West  
Kitchener, Ontario M3N 1Y4  
Contact: Phyllis Sedlezky of Trading Concepts Inc.  
Library and Institutional chairs.

**Nienkamper**

29 Howden Road  
Scarborough, Ontario M1R3C7  
Contact: Bob Demo, Bob Christenson, Gordon Barker of Demo/Christenson/Barker  
Office chairs.

**Palmieri Furniture Ltd.**

270 Steelcase Road  
Markham, Ontario L3R 1G2  
Contact: Phyllis Sedlezky of Trading Concepts Inc.  
Library furniture.

**722**

**323**

**RDC Distributors**

P. O. Box 8  
Elie, Manitoba R0H 0H0  
Contact: R. D. Collette  
Floor coverings.

**Red River Brick and Tile**

#6—170 Hargrave Street  
Winnipeg, Manitoba R3C 3H4  
Contact: George Jacques  
Brick and tile products.

**Tandem Fabrics Inc.**

129 Dolph St. West  
Cambridge, Ontario N3H 2B9  
Contact: Tom Hendrickson of Tom Hendrickson and Associates  
Upholstery Fabrics

**Taylor Evans Designer Acoustics**

4645 Blvd. Des Grandes Prairies  
Montreal, Quebec H1R 1A5  
Contact: Ken Kline and Kurt Rose of Kline-Rose Associates  
Acoustical Panels.

**Wascan Div., Boeing of Canada**

255 Hutchings Street  
Winnipeg, Manitoba R2X 2R4  
204/633-6122  
Contact: Steve Turko  
Bathtubs, tub enclosures.

**Westnoga of Canada Ltd.**

672 Kimberley Avenue  
Winnipeg, Manitoba R2K 0Y2  
Contact: Bob Demo, Bob Christenson, Gordon Barker of Demo/Christenson/Barker  
Health care; institutional chairs and tables.

## Canadian Exhibitors

MSAIA is pleased to welcome the Canadian firms listed below. And we particularly appreciate the assistance of the Canadian Consulate in making this extensive exhibition of Canadian firms possible.

**Canadian Consulate General**

15 S. 5th Street  
Minneapolis, MN 55402  
612/333-4641  
Contact: Margaret Mearns, Commercial Officer

**Business Accessories Inc.**

415 Dundas Street  
Cambridge, Ontario N1R 5Y2  
Contact: Bob Demo, Bob Christenson, Gordon Barker of Demo/Christenson/Barker  
Office Accessories

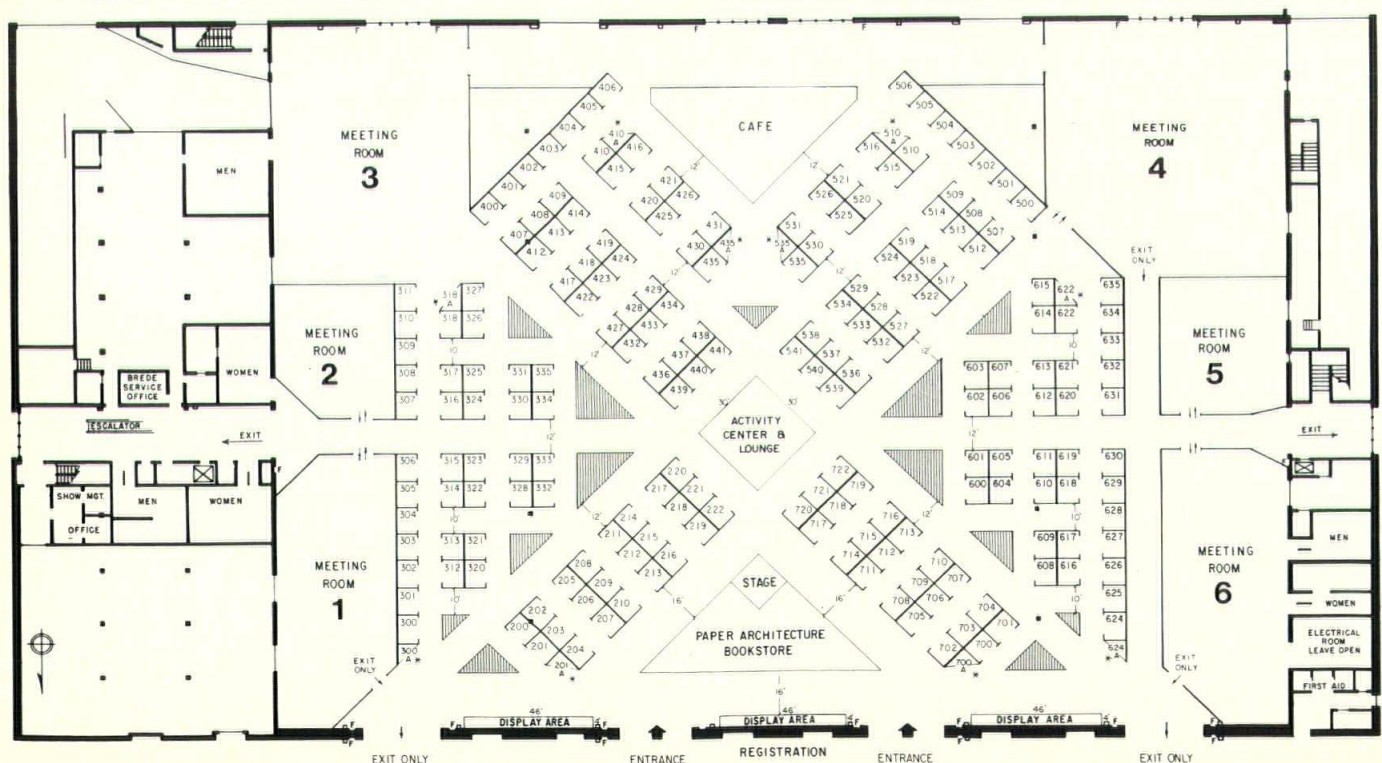
**Cambridge Door Co. Ltd.**

P. O. 158, 543 Conestoga Blvd.  
Cambridge, Ontario N1R 5S9  
Contact: Ken Kline, Kurt Rose of Kline-Rose Associates  
Architectural doors.

**Graham Products Ltd.**

P. O. Box 2000  
Inglewood, Ontario L0N 1K0  
416/457-5290  
Contact: Errill O'Hara  
Exposed aggregate exterior building panels.

## 1982 Convention Booth Layout







## PROJECT:

Carriage Hill Plaza  
Downtown St. Paul, MN

## ARCHITECT:

Winsor Faricy Architects  
28 W. 5th Street  
St. Paul, MN 55102

## CONTRACTOR:

Lowry Development Company  
350 St. Peter Street  
St. Paul, MN 55102

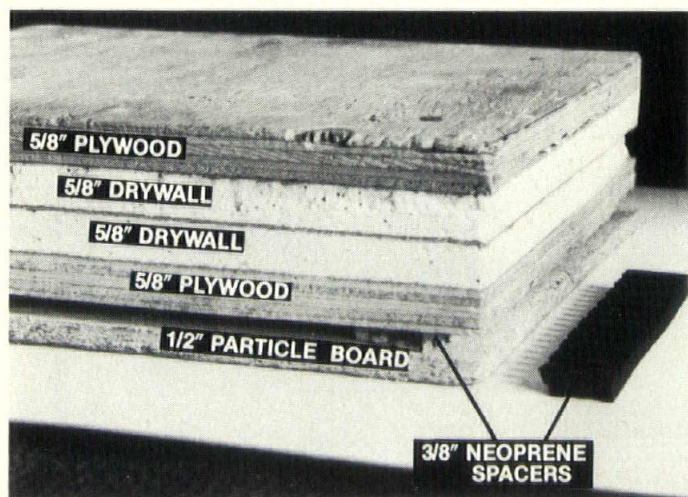
## MILLWORK:

Shaw Lumber Company  
217 Como Avenue  
St. Paul, MN 55103  
612-488-2525

Member: Architectural  
Woodwork Institute (AWI)

# SHAW LUMBER CO.

## Drywall: A Sound Idea



**PROJECT:** Itasca Project, Minneapolis  
**ARCHITECT:** Cuninghame Architects, Minneapolis  
**GENERAL CONTRACTOR:** Action Construction, Minneapolis

**Economy-Beauty-Speed-ORIGINALITY**

## The originality of drywall

Of the many innovative uses found for drywall, this may be a first:  
**Drywall Flooring!**

Versatile drywall used to provide noise attenuation.

Nothing does it better or faster.

Drywall has a creative potential worthy of any architectural challenge. Let us show you some of our most interesting work...

# MDC

**Minnesota Drywall Council**



Visit us at  
**BOOTH NO. 424**  
at the  
**MSAIA convention.**

7000 57th Ave. North  
Minneapolis, MN 55428  
Call 612-535-4171

JORGENSEN BROS. DRYWALL  
K G C INC.  
ALBERT KASTNER & SONS, INC.  
KLODT CONSTRUCTION  
MACCONNELL DRYWALL  
MILLER DRYWALL, INC.

Partial list of drywall  
contractors who are  
contributors to the  
MDC Promotion Fund:

DULUTH DRYWALL, INC.  
DVORAK CONSTRUCTION CO.  
C.T. ELIASON PAINTING  
& DECORATING, INC.  
THE FENDLER, INC.  
FRIEDGES DRYWALL, INC.

FROGNER DRYWALL, INC.  
G & L DRYWALL, INC.  
GONSIOR DRYWALL  
C.F. HAGLINE & SONS CO.  
HENDRICKSON BROTHERS DRYWALL  
INTERIOR SPECIALISTS, INC.



# Quality Compact Kitchens, Now From Mahin Walz.

**Versatile Cervitor Compact Kitchens,  
In the Exact Size, Finish, and  
Color You Require.**

Cervitor and Mahin Walz have teamed up to offer a complete line of beautifully finished hardwood veneer and plastic laminate kitchen units in the Minnesota, North Dakota, South Dakota, and Western Wisconsin area.

The Cervitor label of quality, custom built units are now available in the exact finish/color, in the desired width, and with the options you need for office building, hotel/motel, and financial institution projects.

Cervitor, with over 22 years experience, and Mahin Walz, long associated with the distribution of quality products to the building industry, invite your response for specification information, samples and pricing information.

See the Cervitor Unit in Booth 433.



CES48M w/STOVE

P.O. BOX 1379 14324 STEWART LN.  
MINNETONKA, MN 55343  
PHONE: 935-7759

Architects, Builders, Developers...

## THE COMPETITIVE EDGE... R-BEST LOCK-TIGHT PANELS

Exciting new exterior, structural panel system gives you these advantages;

1. Reduced construction costs (both materials and labor)
2. Reduced building operating costs through fuel savings
3. Speed and ease of construction
4. Wide range of surface treatments

**R-Best Lock-Tight Panels** are manufactured to your specifications here in the upper midwest and delivered direct to your site.

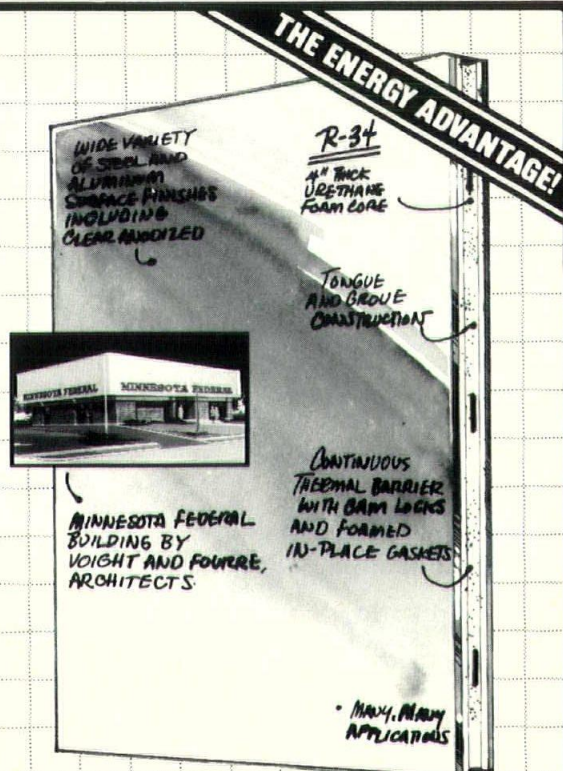
The panel is extremely versatile and can be used in designs by itself, in concert with other materials and is also well suited to retrofitting.

**R-Best Lock-Tight Panels** is the right product at the right time for energy efficiency through design. Buildings using this innovative system are being completed in this area and the word is getting around.

**Call Don Rodahl or John Perry today for further information on giving your company the competitive edge.**

### TBI

(FORMERLY TIMBER BUILDINGS INC.)





Continued from page 37

the reverent spirit of the Gothic while paring the style down to the greater simplicity of Norman architecture. He used Wisconsin limestone sprinkled with Mankato and Colorado stone. The roof is Vermont slate of variegated color. The spire is copper. Rough trowled plaster is separated by half-timbers in weathered charcoal gray. Leaded casement windows use a diamond criss-cross motif which is repeated in heavy wood doors. Inside the walls are of lannon stone. Sanctuary floors are rough textured slate. The massive roof trusses, exposed timbers and other furnishings are of Douglas fir.

Through church work Gaarder was able to realize his talent for drawing and design. He designed everything that could be financed, including the altar and its appointments, the windows, baptismal font, pulpit, pews, light fixtures and steeple. And he drew all of the plans for these elements, including huge stone tracery windows, in actual full-size.

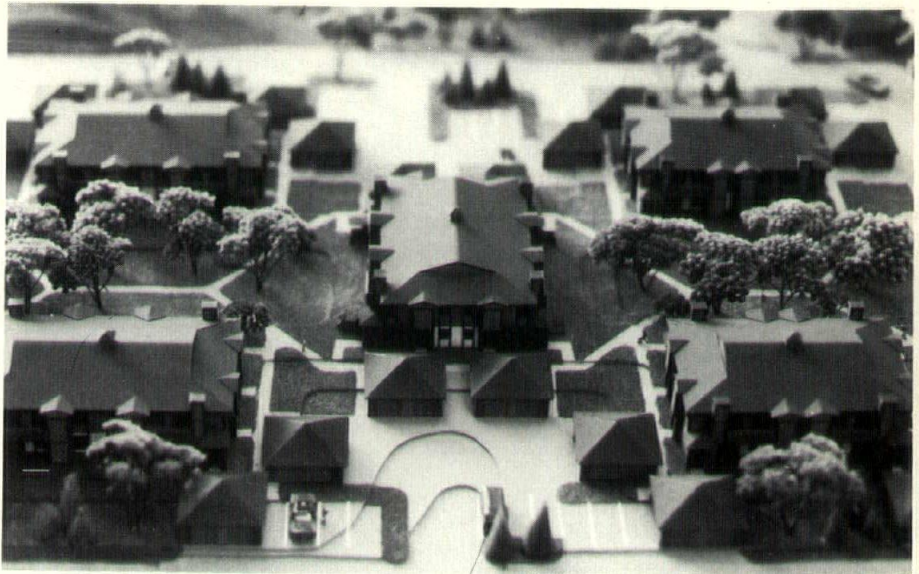
Not all of Gaarder's skills as an architect were in the area of aesthetics and design. He also had a practical turn of mind. He states flatly, "Only one of my jobs ever ran over my estimate, and it was far from a normal job. I gave an exact price and came very close. I've been as close as \$25! My reputation was not for designs, as you might think, but because I never exceeded the estimate, never embarrassed the finance committee." He laughs and says, "I didn't realize that for years. I thought congregations hired me for my designing, but the reason was that I kept costs within the budget!"

Honors that have come to Gaarder in later life include a 1967 Special Citation for "Contributions to the Enrichment of Man's Environment" from the Minnesota Society of the American Institute of Architects. In 1970, after serving many years as a corporate member of A.I.A., he was elected to the honorary position of "Emeritus." Currently the University of Minnesota Archives is collecting historical materials from Gaarder. It certainly will come as a surprise to no one that LeRoy Gaarder is the oldest surviving architectural registrant in the state.

Gaarder's buildings remain today as highly individual statements of a single artist's response to the challenge to build. Some of his finest churches were built when he was in his 70s. At 91, he continues to live in Albert Lea. He retains a vital interest in architecture and is highly critical of what the schools of architecture are teaching young architects today. "Where," he asks, "is the art in church architecture?"

Lewis T. Moran

Modelmaker



Models for  
Architects  
Engineers  
Developers

1428 West 31st Street  
Minneapolis, MN 55408  
(612) 824-0025



only  
the **professionals**  
merit this seal

**EACH PDCA CONTRACTOR**

-  Employs only skilled journeymen
-  Complies with safety regulations
-  Is bonded and insured
-  Uses best quality materials

Painting and Decorating Contractors of America  
MINNESOTA COUNCIL (612) 483-1125



# Get to know Truth for what we know.

North America's window manufacturers know Truth for what we are — the industry leader in design and manufacture of first quality window hardware. You'll want to know us for what we know.

We've a wealth of knowledge that's yours for the asking. We earned the status of industry leader by always being ready with the new idea, by always entering the market with the very best. Now, we're anxious to share our experience, you, the architect. It's one of the ways

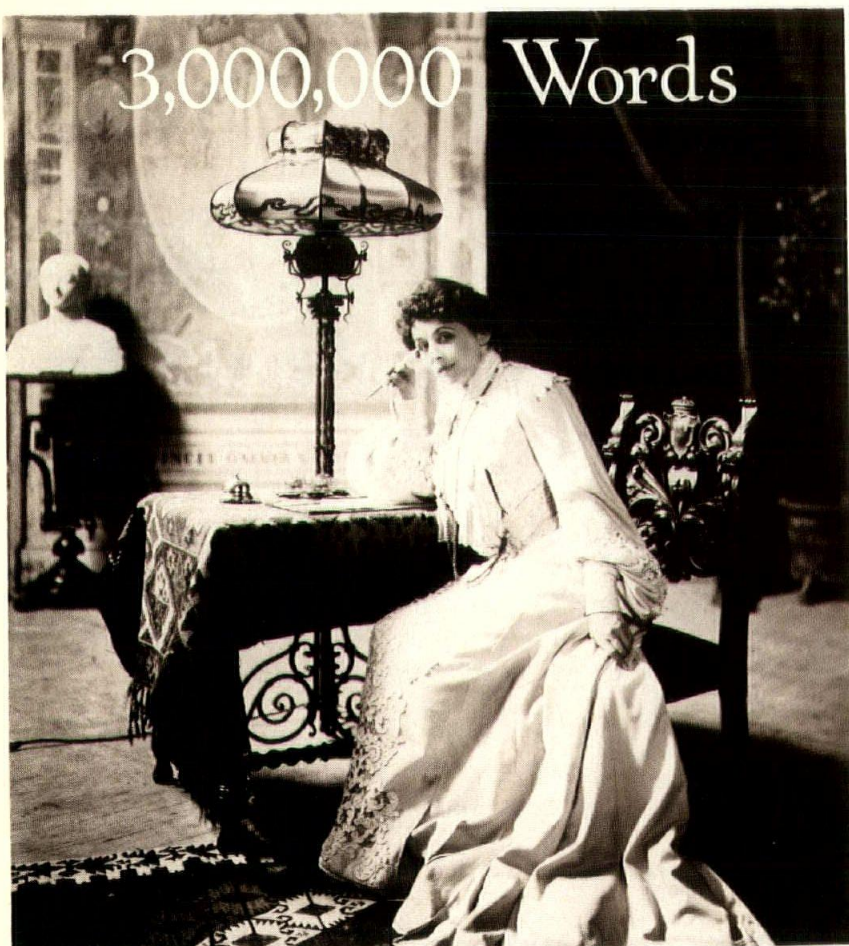
we plan to continue our growth. You should know that in recent years we've had considerable success in using computer aided design technology to further develop our full line of hardware for wood, metal and vinyl windows and skylights. So, if you have a new concept, a problem, an idea that could benefit from the kind of know-how that has given Truth more than twenty-five years of industry leadership, call us or drop us a line. We're really looking forward to working with you.



**TRUTH**  
Incorporated

701 West Bridge Street  
Owatonna, MN 55060  
(507) 451-5620  
A SUBSIDIARY OF THE  
OWATONNA TOOL  
COMPANY

## 3,000,000 Words



At a thousand words apiece that's what it would take to describe the 3,000 photographs in our Past Tense Collection of Photo Decor. Dated from 1860-1940 these charming, nostalgic images are available in any size for perfect decor accents.

A more contemporary approach? Our Custom Collection holds over 20,000 unique creations by master photographers and covers virtually every subject and theme.

For bars and restaurants, offices and homes. For any place where ordinary pictures just won't do you can now use beautiful, affordable Photo Decor.

Call us today and see more tomorrow.



Lumber Exchange Building - Edison Wing  
Suite 760 • 10 South 5th Street  
Minneapolis, MN 55401 • (612) 332-1688



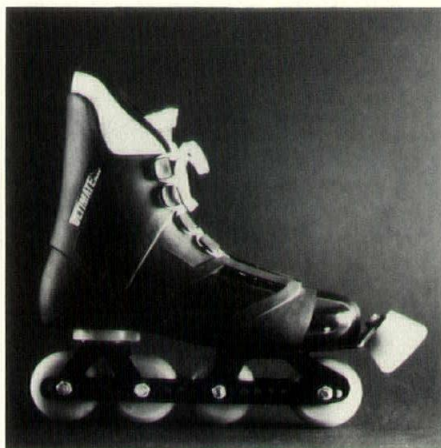
*best products by design***Now you can skate like blazes—all year**

"I'm the kind of guy who likes to try out new things," says Scott Olson, 23, who now has his own thriving company because he decided to modify a product after trying it out.

Two summers ago while training for hockey season, Olson tried out a pair of California-made skates with wheels down the center like an ice skate blade. He says he liked them because they were more like ice skates than conventional roller skates; the only trouble was they were hard to push and too slow.

Olson, a native Minnesotan who played professional hockey for the Winnipeg Jets, suggested several modifications to the company. It did not respond. So he designed, and patented, his own version.

Olson's "Ultimate Roller Blades" are now used by the New York Rangers, and the U.S. Ski Team is testing them for training use. The skates are also



selling to high school and college hockey players, as well as to people who consider hockey a spectator sport but prefer Olson's skates to standard street skates.

What makes his skates "the ultimate?" Olson bolted four polyurethane wheels with dual bearings onto a steel frame so they glide as smoothly and as fast as standard roller skates.

"They are safe for street use," he says, and thereupon demonstrated how the single-blade skates roll across sidewalk cracks, over rocks and through gravel without catching or skidding. The frame is adjustable, unlike the skates he first tried out, so the person who buys just the frame can custom fit it to his own hockey boot or add a fifth bright orange wheel.

Olson says he is experimenting with higher quality bearings, cryptotourthane wheels and nylon frames so they will roll as fast as the hottest conventional skates, and also weigh less.

Even without these modifications, Olson has reached speeds of 50 mph going downhill, as has his friend Tom Howard, who skated on a pair of "Ultimates" from Denver to St. Louis Park with a backpack to raise money for charity.

Olson's "Ultimate Roller Blades" can be rented at several local skate rental places and are sold at hockey and roller skate supply stores.

E.H.





## TWIN CITY TESTING and engineering laboratory, inc.

The 48th Annual MSAIA Convention will be held October 25-28 at the Hyatt Regency Hotel, Minneapolis.

Laboratory, Inc. and our sister organization, Soil Exploration Company, will be exhibiting at the convention. Our representatives (booth 633) are available to answer your questions or provide you with information about our services.

We are proud to have provided you with more than 40 years of continuous service and are looking forward to working with you on future projects.

We hope your convention is a great success!

### Offices

Mankato ..... (507) 625-8211  
Rochester ..... (507) 288-7060  
St. Paul ..... (612) 645-6446  
                                645-3601  
Duluth ..... (218) 628-2295  
(Lakehead Testing)

There's no place  
like Hometel®  
for genuine  
**MARBLE**



Granada Royal  
Homtel® of  
Bloomington

*Drake Marble Company*

CERAMIC TILE QUARRY TILE MARBLE SLATE  
60 PLATO BLVD. ST. PAUL, MN 55107 PHONE: 222-4759

## news, notes & opinions

Continued from page 13



### Year's testing affirms value of experimental home for disabled

Courage Independent Living Home, sponsored by a non-profit organization called Courage Center, is proving its worth as a prototypical residence for physically disabled persons.

The Courage Center provides rehabilitation services to people with physical disabilities. Its new experimental home serves as a working laboratory for innovations in structural design and household devices to allow people hampered by physical disabilities to live independently for the first time.

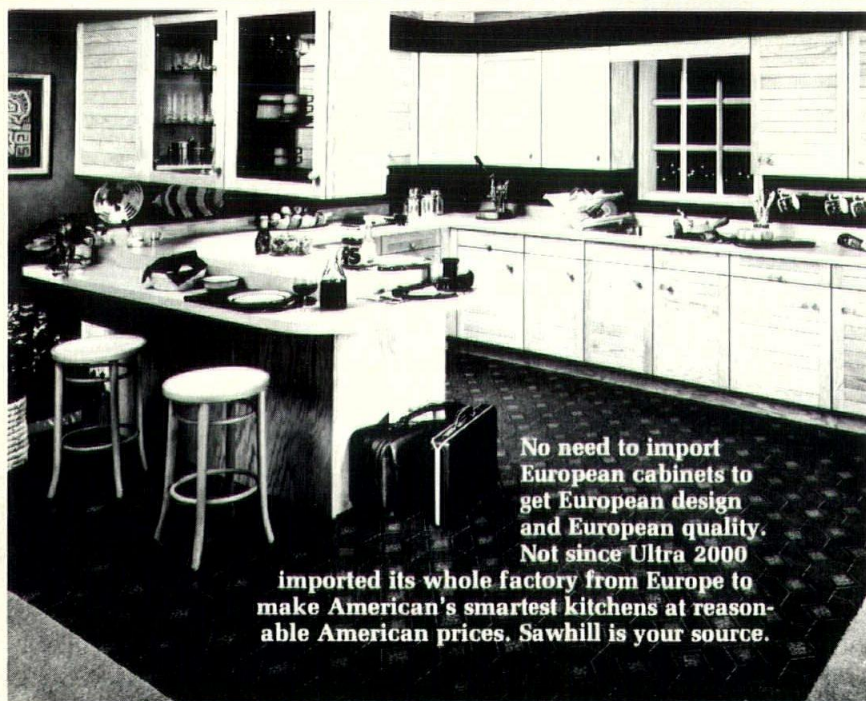
Three quadriplegics moved into the Independent Living Home in February, 1981, with a married couple who serve as their companions. Through their daily activities, they have tested the practicality of its state-of-the-art design and equipment.

The house was designed by Roger Johnson/James Forberg Associates Architects, Minneapolis, with the assistance of Courage Center's rehabilitation staff.

The original design includes, most notably, a heated, ice-free entrance walkway; doorways which are four inches wider than standard doors; oak floors and oak bumper guards; adjustable kitchen counters; wheel-in shower and a whirlpool bath; adjustable shelving and lowered clothing rods in closets; fire, security and medical alert systems; and a central environmental control system to activate most appliances and lights.

House manager Barbara Scharf says several modifications have already been made and more are planned. Because the crank-out windows proved difficult to lock or open, Andersen Windows, the supplier, has installed a sill-to-sill metal bar which works by applying wrist pressure. The company is now

## Sawhill



No need to import  
European cabinets to  
get European design  
and European quality.  
Not since Ultra 2000

imported its whole factory from Europe to  
make American's smartest kitchens at reason-  
able American prices. Sawhill is your source.

## Sawhill

Furniture and kitchen studios  
Edina: 3519 W. 70th St. (G France) 925-2611





working on a device which will open or close the window automatically.

Heat sensors have been attached to pedestal lamps so that with a touch anywhere on the lamp, the light will come on and increase in brightness with each tap. Future changes include installing a more reliable power door and easier opening elevator grill doors.

The building is open once a week for tours. According to the Courage Center, more than 340 people had toured it by June, 1982.

### Building Stone Institute invites awards entries

Excellence in concept, design, construction and use of natural stone are the criteria for the 1983 Tucker Architectural Awards Program, sponsored by the Building Stone Institute. The last date for submitting entries is December 1, 1982.

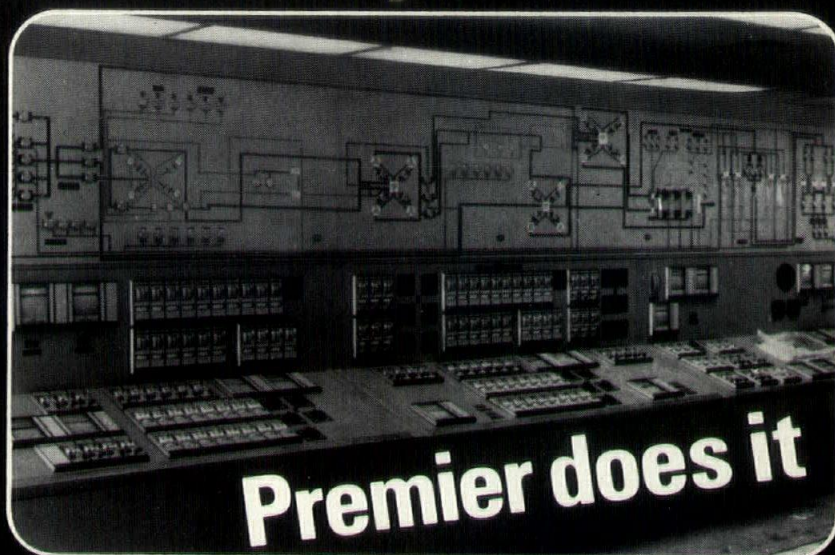
The jurors will consider entries in five categories: 1) A non-residential structure completed within the last five years; 2) a structure completed at least 25 years ago and still in use today; 3) a residential structure (single family or multi-family) completed within the last five years; 4) landscape development in a non-residential, multi-family or single-family site completed in the last five years; and, 5) a restoration or alteration project completed in the last five years.

For more information, write Tucker Awards, Building Stone Institute, 420 Lexington Ave., New York, NY 10170. Or call (212) 490-2530.

### Grant is awarded for Prairie School TV film

The Minnesota Humanities Commission has awarded a \$22,192 grant to the Built Environment Communication Center at the University of Minnesota's School of Architecture to

# electrically—



**Premier  
Electrical  
Construction Co.**

(612) 541-1150

2221 EDGEWOOD AVE. SO. • MINNEAPOLIS, MINNESOTA 55426  
AURORA • CHICAGO • SAN JUAN, PUERTO RICO

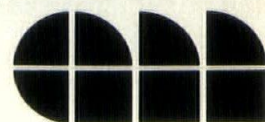
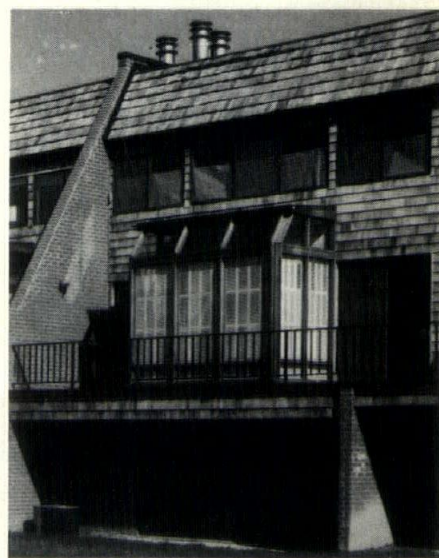
Master control panel at Salt Creek Sewage Treatment Plant.

Complex electronic control systems—as small as medical monitoring units—as average as printing presses—as large as million gallon per hour treatment plants—installed, 'bug' free.

## Yes, CAPITOL Windows & Patio Doors



are for  
Restoration,  
Multi-Family,  
Condominium,  
Renovation,  
Solar,  
Commercial,  
Residential,  
& Hotel projects



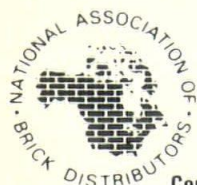
**EMPIREHOUSE**

1055 N. 5th St., Minneapolis

For more information  
please contact:



# Brick Masonry



- For technical and cost information;
- For size, color, shape, texture selection;

Contact a member of the  
Polar Chapter of the  
National Association of Brick  
Distributors:

**Berg & Farnham**  
700 Xenia Ave. So.  
Golden Valley, MN  
55416  
(612) 542-8985

**Gran-A-Stone**  
Hwy. 23 W.  
St. Cloud, MN 56301  
(612) 251-5060  
800-892-8589

**Corning Donohue**  
1407 Marshall Ave.  
St. Paul, MN 55104  
(612) 645-6631  
800-392-0326

**Midwest Brick**  
6530 Cambridge St.  
Minneapolis, MN  
55426  
(612) 929-0321

**Minnesota Brick  
& Tile Company**  
520 W. 86th St.  
Minneapolis, MN  
55420  
(612) 888-9239

**Standard Brick  
& Supply, Inc.**  
102 S. 21st Ave. W.  
Duluth, MN 55806  
(218) 722-6641  
800-232-1344

**Ochs Brick and  
Tile Co.**  
15300 State Hwy. 5  
Eden Prairie, MN  
55344  
(612) 937-9430

**Wunder Klein  
Donohue Co.**  
250 Fremont Ave. N.  
Minneapolis, MN  
55405  
(612) 374-5050

## CARPENTER & ASSOCIATES

CERTIFIED PUBLIC ACCOUNTANTS

Accounting



Data Processing



Consulting



Auditing



Tax Planning



Competent Personal  
Service

4724 Lyndale Avenue S.  
Minneapolis, MN. 55419

612-825-7848

## Capitol Area Architectural and Planning Board Advisory Committee

### NOTICE OF VACANCY

There currently are two vacancies on the Advisory Committee to the Capitol Area Architectural and Planning Board, the state body responsible for the preservation and enhancement of Minnesota's Capitol Area. This committee advises the Board on all architectural and planning matters.

One of these vacancies will be filled by the Minnesota Society of the American Institute of Architects, the second by the Capitol Area Board itself. This notice refers to the committee vacancy to be filled by the Board.

The Capitol Area Board is requesting letters of interest and resumes from any architect with at least ten years of professional experience who would like to provide public service to the State of Minnesota by serving on this committee.

Advisory Committee members receive some compensation for their service. Direct expenses are reimbursed according to state regulations.

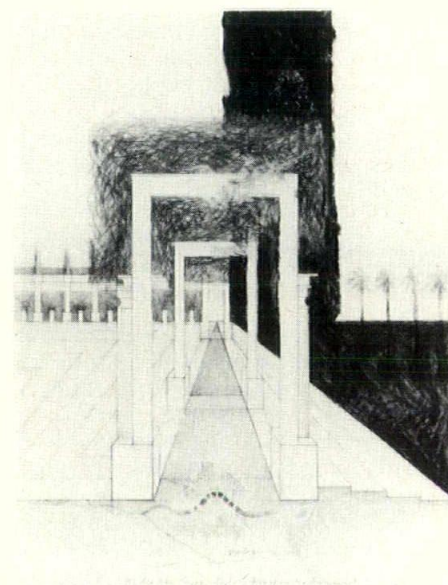
Please send five copies of letter and resume to the Capitol Area Board, Room 400 SW, State Office Building, St. Paul, Minnesota 55155. Letters must be postmarked no later than November 10, 1982. For more information you may write or call the Capitol Area Board at 612/296-7564.

produce a half-hour TV documentary on Prairie School architecture.

The program, according to project director Dan Feidt, will examine the philosophy, ideals and values of the Prairie School leaders, who built an international reputation with their development of a building style uniquely suited to the land and life style of the Midwest.

Consultants and interviewers for the film include architectural historians H. Allen Brooks, University of Toronto; H. Frederick Koeper, California Polytechnic University; and David Gebhard, University of California, Santa Barbara. (Gebhard and Tom Martinson co-authored the book *A Guide to the Architecture of Minnesota*.) John Howe, Frank Lloyd Wright's chief draftsman until 1959, will also be a source.

The show is scheduled to reach the air next summer.



### Coming to Walker: "Green Architecture"

Walker Art Center will present an exhibit of 25 drawings by graphic designer/landscape architect Barbara Stauffacher Solomon. Called "Green Architecture," the exhibit features interpretive drawings of formal sixteenth- and seventeenth-century European gardens. Mrs. Solomon, who received an American Institute of Architects award for her graphic design work for Sea Ranch in California, considers "green architecture" the common ground where nature and the built environment overlap and where architecture creates an edge for nature.

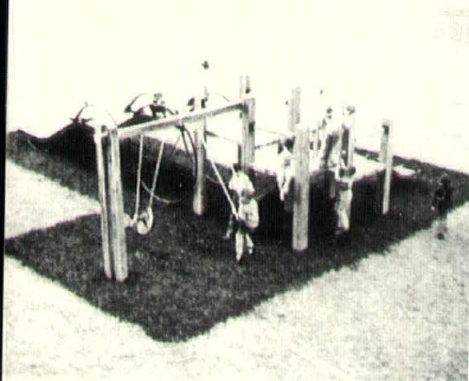
The exhibit will be on view November 8–December 26, 1982. It is supported by a grant from Herman Miller, Inc.

E.H.

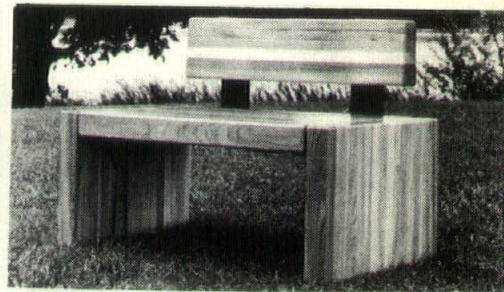


THIS YEAR MORE THAN EVER . . .

# Your Clients Need the Lasting Beauty & Economy of Wood Products



**Play Structures** in strong, durable natural wood (left). An almost unlimited variety of size and complexity of structures. Also, imaginative, highly colored Mexico Forge metal structures. Either type a learning/playing experience.



**Elegant Wood Benches** finished in such minute detail the craftsmanship will excite you and your clients. Also available - waste containers and other interior wood product needs.



**Site Furnishings** for malls, shopping centers. Elegantly finished in durable, protected redwood. Fits indoor or outdoor settings in a very **natural** way.

**FROM THE LEADER . . . GET FULL INFORMATION TODAY.**

**EFA**

EARL F. ANDERSEN, AND ASSOC., INC.

9864 James Circle

Bloomington, MN 55431

612/884-7300

• TOLL-FREE WATS LINE •

1-800-862-6026

Yes, I would like detailed information concerning:

- ☐ LANDSCAPE STRUCTURES - PLAY STRUCTURES
- ☐ MEXICO FORGE - METAL PLAY STRUCTURES
- ☐ LANDSCAPE STRUCTURES - SITE FURNISHINGS
- ☐ ELEGANT WOODS - MALL/STREET FURNITURE

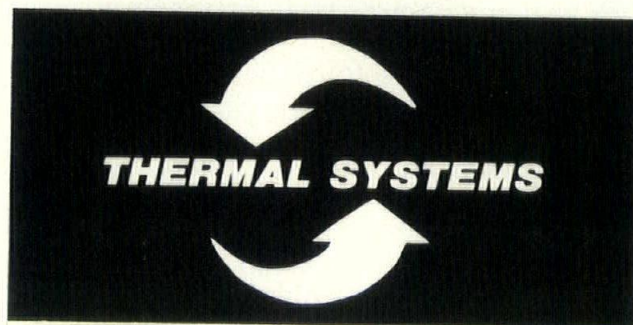
NAME \_\_\_\_\_

TITLE \_\_\_\_\_

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_

ZIP \_\_\_\_\_ TELEPHONE \_\_\_\_\_



## URETHANE

BOOTH 608-609

## JACK FORCIEA ASSOCIATES

ARCHITECTURAL REPRESENTATIVES

A DIVISION OF ARCH-REP, INC.

6417 COLONY WAY 1-D

EDINA, MINNESOTA 55435

612-926-1829



## Advertising Index

Earl F. Andersen, p. 77  
 Fred G. Anderson, p. C II  
 Associated Builders & Contractors,  
 p. 25  
 David Braslau, p. 78  
 Canton Corporations, p. 5  
 Capitol Area Planning Board, p. 76  
 Donovan Carpenter p. 76  
 Chase Printing, p. 78  
 Cobb, Strecker, Dunphy and  
 Zimmerman, p. 9  
 Cold Spring Granite Co., p. 16  
 Creative Visuals, p. 6  
 Cronstroms Manufacturing, Inc.,  
 p. 14  
 Detroit Edison, p. 4  
 Drake Marble Company, p. 74  
 Empirehouse, p. 75  
 Fabcon, p. 19  
 Jack Forciea Associates, p. 77  
 Gage Brothers Concrete Products,  
 Inc., p. 22  
 General Office Products, p. 8  
 W. L. Hall Company, p. 11  
 Heat, Frost & Thermal Insulation  
 Education Fund, p. 29  
 Phillip MacMillan James  
 Photography, p. 27  
 Kohler Company, pp. 16-17  
 Landshapes, p. 28

Mahin-Walz, Inc., p. 70  
 MN Advanced Window Sales, p. 15  
 MN Architectural Foundation, p. 24  
 MN Ceramic Tile Industry, p. C IV  
 MN Drywall Council, p. 69  
 MN Marble Industry, p. 10  
 MN Masonry Institute, p. 21  
 MN Public Radio, p. 26  
 MN Painting & Decorating  
 Contractors, p. 71  
 MN Tile Sketchbook, p. 12  
 Monarch Studios, p. 2  
 Lewis Moran, p. 71  
 Partners 4 Design, Inc., p. 30  
 Piping Industry Devel. Council, p. 18  
 Polar Chapter—Nat'l. Assoc. of Brick  
 Distributors, p. 76  
 Prairie Restorations, Inc., p. 6  
 Premier Electric Constr. Co., p. 75  
 Prestressed Concrete, Inc., p. C III  
 PS Decor, p. 72  
 Sawhill, p. 74  
 Shaw Lumber, p. 69  
 Snow-Larson, Inc., p. 1  
 Stein Industries, pp. 14-15  
 TBI, p. 70  
 Truth, Inc., p. 72  
 Twin City Testing, Inc., p. 74  
 Vicrtex, p. 7  
 Viracon, p. 28

**SOUNDSCAPE**  
**SOUNDSCAPE**  
**SOUNDSCAPE**  
**SOUNDSCAPE**  
**SOUNDSCAPE**  
**SOUNDSCAPE**

**consultants in acoustics**

**db**  
 david braslau associates, incorporated

university park plaza  
 2829 university ave. s.e.  
 suite 342  
 minneapolis, minn. 55414  
 612-331-4571

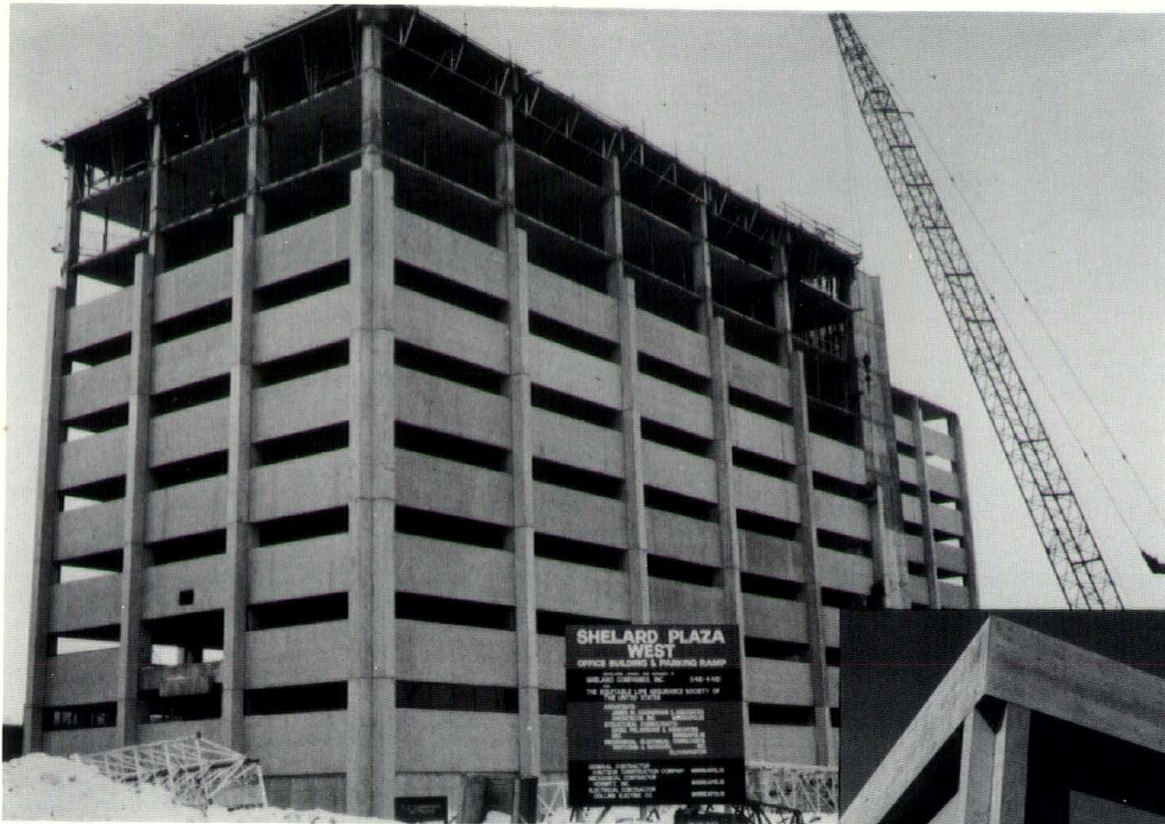
printing specialists since 1919

**chase**  
 printing company, inc.

411 broadway street  
 st. paul, minnesota 55101  
 612/222-0753



# Think of us when you want a **BETTER WAY!**



Winter cold and high winds didn't stop the speedy erection of the new Shelard Plaza West building.

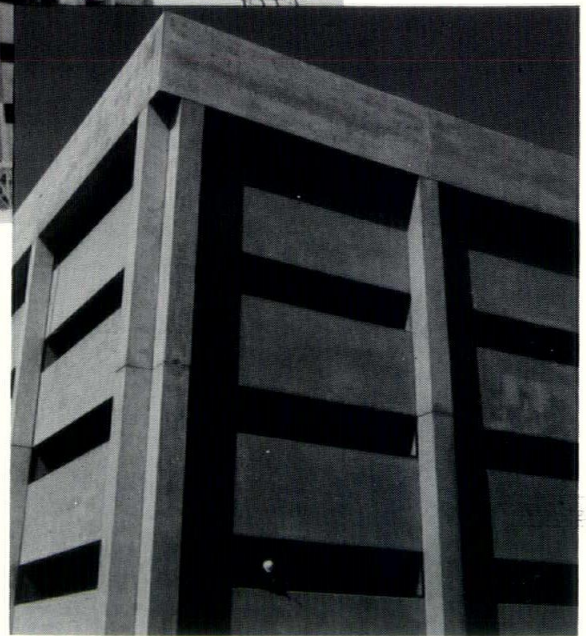
Use of Prestressed Concrete, Inc. exterior panels and column covers made it possible to speedily "seal up" the building exterior so interior construction could continue despite weather conditions.

219 wall panels measuring 26 feet by 8 feet and 140 column covers measuring 24 inches by 24 inches by 22 feet were used. Building top perimeter was covered by 26 fascias measuring 28 feet by 8 feet. 26 soffits measuring 28 feet by 2 feet by 5 inches thick were also used. A pedestrian walk bridge was built of 2 reinforced precast concrete members measuring 58 feet by 5 feet.

Use of Prestressed Concrete, Inc. products and services provided broad planning flexibility that helped "lick" an otherwise unmanageable weather situation.

When you think of office buildings, parking ramps or any major commercial building, think first of Prestressed Concrete, Inc. We have "a better way" for your building needs.

**Call for more information.  
No obligation. 421-8900**



PROJECT: Shelard Plaza West,  
Golden Valley, Minnesota  
ARCHITECT: James M. Cooperman & Assoc.  
Architects, Inc., Mpls., MN  
STRUCTURAL CONSULTANTS: Darg, Palaniasami & Assoc., Inc.  
Mpls., MN  
GENERAL CONTRACTOR: Knutson Construction Company  
Mpls., MN

*The Thoughtful Designer will specify:*



6755 Highway 10 N.W. • Anoka, Minn. 55303 • (612) 421-8900



# CERAMIC TILE'S A SUPER VALUE

AT



"We are very pleased with the building and especially the efficiencies that permit Super Valu to remain the most effective supplier of goods and services to the independent food retailer." So says Vice-President of Store Planning and Engineering, Lloyd Stenbeck, of the company's new headquarters' building in Eden Prairie.

One (or \*22,118 square feet) of these "efficiencies" is the tile used in entries, stairwells, patios, kitchens and lavatories. Super Valu's Office Services Manager, John Lindstrom credits it with, "ultra-easy maintenance and long-lasting beauty."

A recent first place winner of Corporate Report Magazine's commercial architecture judging, the structure was designed and engineered by Ellerbe Associates, Inc.

Project Designer Frederick Richter AIA, of Ellerbe Associates, Inc., says, "We chose ceramic tile for quality finishes, varied selection and ease of maintenance. It's durable, maintenance free and aesthetically fits in with the site-responsive and functional design concept both inside and outside."

\* 5,444 square feet of Pavers!  
1,587 square feet of Ceramic Tile!  
15,087 square feet of Quarry Tile!

Library, American Institute of Architects  
1735 New York Avenue N.W.  
Washington, DC 20006

A20



old as history... modern as tomorrow  
MINNESOTA CERAMIC TILE INDUSTRY