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After careful consideration and discussions with involved persons regarding the above article ["Strong forms, clean lines," November/December 1989], I have prepared the following. I am very concerned about the misrepresentations contained within this article that indicate James Stageberg had a relevant design role in the award-winning NYC 1199 Plaza project. Please find listed below some of the misrepresentations:

p. 57—reference to 1199 Plaza Cooperative Housing project (text under Stageberg Partners firm personnel photo). "Designed with Thomas Hodne" is to me a strong inference that James Stageberg designed this project as the lead architect with assistance by Thomas Hodne. Correction: The truth is Thomas Hodne led the design team (Vern Svedberg, Jim Pettinari, Jon Gravender) in the redesign of the 1199 Plaza project within the Hodne Studio of the Hodne/Stageberg Partners Inc. This project was originally a National Architectural Design Competition sponsored by the City of New York and the Rubberoid Corporation in 1963. This was won by Hodne Associates, Inc. Thomas Hodne led that design team (Robert Einsweiler, Jim McBurney, Vern Svedberg, Jim Solverson, Toki Toyama). I might add, the Stageberg firm photo in the article shows three former employees of the Hodne/Stageberg firm, none of whom were involved in any way in the design of 1199 Plaza.

p. 56—full-page format photo of 1199 Plaza. Correction: I believe a more appropriate photo format for an article about the Stageberg Partners firm would be a project de-

Continued on page 116
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**New earth sciences building at the U of M**

Ellerbe Becket has been selected to design the new Institute of Technology Earth Sciences and Materials Engineering Building at the University of Minnesota. The $56 million facility will include approximately 273,000 square feet of space for the School of Earth Sciences, including the Minnesota Geological Survey and the materials-science and engineering programs. Many of the programs are currently housed in the 100-year-old Pillsbury Hall.

According to Ettore Infante, dean of the Institute of Technology, the building is the “key element in the implementation of the IT Master Facilities Plan. Through a series of reassigned spaces, this project will provide most of the additional space needed by six departments, four centers and the office of the dean.”

To be located between the electrical-engineering building and Cook Hall on the East Bank campus, the new facility is scheduled for completion in 1995. Ellerbe Becket’s other University of Minnesota projects include a master plan for the intercollegiate athletic program and, in collaboration with Steven Holl Architects, the $13 million addition to the College of Architecture and Landscape Architecture building.

**An aquarium for the Grain Belt**

Plans are in the making to turn the historic Grain Belt Brewery in northeast Minneapolis into an aquarium and marina, which will include a museum, an interpretive center, restaurants, shops and a yacht club. Cambridge Seven Associates of Cambridge, Mass., has been hired as the architect for the $50 million project.

Details for the 27-acre brewery site include an aquarium for sea life and native Minnesota species to be housed in the old brew house and boiler building. A special feature of the facility is the Mississippi Interpretive Center, which outlines the history of the Mississippi River and how it has influenced Minneapolis and the surrounding region. Also planned is a combination aquarium/swimming pool where visitors can swim among reefs with fresh and salt-water species. The proposed project includes conference and meeting rooms, an indoor park and a cafeteria.

Portions of the Mississippi will be dredged for a marina that will include 250 wet slips for yachts. The marina also will include dry storage and related services and a show-room on the brew house’s lower level for the sale of boats.

Other plans call for a station for a trolley connecting the aquarium and marina project with Boom Island, Riverplace, St. Anthony Main and downtown Minneapolis. The trolley station will contain a museum where video/audio displays tell the history of the trolley era in Minneapolis. An existing office building on the property will be upgraded, and parking for 630 cars is planned.

Realty Development Services, which developed Edinborough in Edina, is developer of the project. Cambridge Seven Associates is nationally recognized for museum, zoo and aquarium design.

**Revamping Nicollet Mall**

Renovation of Nicollet Mall, which is showing the wear and tear of its 22 years, will begin this spring. The $21 million mall improvements will span an area from Washington Avenue to 11th Street.

The cracking sidewalks will be resurfaced with more durable 2 1/4-inch-thick multicolored granite pavers, and street lights, bus shelters and other sidewalk amenities
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previews

Standing in the Northern Lights
May 6–June 24
Landmark Center Galleries
St. Paul
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Throughout a career that has spanned more than four decades, Minnesota Ojibwa artist George Morrison has drawn upon the major art movements of his time—cubism, surrealism and abstract expressionism—and blended them with imagery drawn from nature, particularly his native North Shore of Lake Superior. Included in this major retrospective of Morrison’s work are wood collages, paintings, prints and pen-and-ink drawings.

For more information call the Minnesota Museum of Art at 292-4355.

Skyscraper
Mondays, May 7–June 4
7 p.m.
KTCA-Channel 2

Ever wonder how skyscrapers are constructed? Tune into this five-part series for the details on the building of Worldwide Plaza, a 49-story office complex in midtown Manhattan, as seen through the eyes of architects, engineers and construction workers. Produced by WGBH Boston.

Teapot Show and Sale
May 11–June 15
Grand Avenue Frame & Gallery
St. Paul
Free and open to the public

More than 30 ceramic artists from around the country pour it on with expressive interpretations of the teapot form, among them Amy Sabrina, Annette Corcoran, Wayne Branum, Tom Lane, Warren Mackenzie, Jeff Oestreich and Robert and Cheryl Husby. A free opening reception is held Friday, May 11, 6–9 p.m.

For more information call WAC at 375-7610.

Fish
May 12–July 15
Landmark Center Galleries
St. Paul
Free and open to the public

The idea of fish as art objects is explored by 34 artists in fanciful prints, paintings, drawings, fiber art, glass and mixed media.

For more information call the Minnesota Museum of Art at 292-4355.

1990 AIA National Convention
May 19–22
Houston, Tex.

“Pushing the Limits” is the theme of this year’s American Institute of Architects’ national convention. Among the speakers to take up the challenge is PBS commentator James Burke, who lectures on new

Continued on page 78
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Design for cold climates

By Ralph Rapson

While a snowfall blanketed the shores of Lake Superior, those attending the second annual Lake Superior Design Retreat at Fitzer's Inn in Duluth turned indoors for a series of stimulating presentations on cold-climate design. Under the continuing overall theme "Explore the Corners," this year's symposium on Feb. 23-24 (sponsored by the MSAIA Professional Development Committee, the Northern Minnesota Chapter AIA and Minnesota Power) took a broad look at human conditions in cold climates.

The first presenter, Mary Nordale, a lifelong resident of Alaska and a practicing trial attorney, stressed that architecture is first of all a public art but heretofore housing and housing programs in "the north" have dealt miserably with the cultural and physical needs of residents. She pointed out that if we are to fashion decent and appropriate housing for those living in the northern latitudes, we must apply our talents, wisdom and compassion to a new way of thinking about housing.

Artist Saunders Schultz followed with a slide presentation entitled "Aesthetic Creative Problem-Solving." Schultz has gained international acclaim for his environmental sculptures and was one of the first to produce architectural art in an environmental context. Schultz also directed a cold-climate design charrette exploring the design of an actual Duluth harbor site.

Wayne Tobinsson, a design research engineer with the U.S. Army Corps of Engineers, Cold Regions Research and Engineering Laboratory in Hanover, N.H., gave a slide presentation entitled "Some Thoughts on the Design of Buildings in Cold Climates." He discussed the wide variety of design problems—from freeze-thaw action, snowdrifts and mud puddles to condensation—encountered by cold-weather designers.

Breakfast with Dave Mona, sports PR expert and CEO of Mona, Meyer & McGrath, was an entertaining and illuminating behind-the-scenes look at how promoting the advantages of cold weather helped convince the National Football League that Minnesota was the place to hold the 1992 Superbowl.

Architects, designers and planners are beginning to more fully appreciate the importance of understanding and anticipating the impact of climate, the sun in particular, in the design for cold-climate settlements. Credit for much of this revival of interest is due to the award-winning book Design for Northern Climates: Cold-climate Planning and Environmental Design. In his opening remarks author Vladimir Matus, architect and urban planner from Hamilton, Ontario, stressed the importance of the sun as the basis of design and described his book's comprehensive eco-planning system for responding to specific climatic situations.

Arthur Harkins, codirector of graduate concentration in anticipatory anthropology and education at the University of Minnesota and principal of the Minneapolis consulting firm Visionary Management, presented some heady material with entertaining gusto. Looking at the world from a design standpoint, Harkins talked about the traditions of animism and animist-symbol technologies in human cultures, particularly Japan, exploring the

Continued on page 80
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Let there be light and you'll understand why stained glass was once the stuff of kings and popes. Though still the window of choice for religious buildings, stained glass works its theatrical magic of colored light and imagery in places ranging from skyways to living rooms. Here's a sampling by three local glass studios.

Louis Comfort Tiffany's signature designs include his magnolia floor lamp (right) and wisteria table lamp. Unusual in Tiffany's oeuvre for their mimicry of the organic forms of nature, the magnolia uses drapery glass (named for its thick surface folds) to imitate the fleshy contours of the magnolia blossom. The wisteria spills a profusion of blooms from a vine-like scaffolding of cast bronze. Reproduction shades available with Tiffany-reproduction bases from Century Studios, Minneapolis.
This semi-circular transom (above), designed by Monarch Studios for a private residence, spans eight feet. The soft gray- and rose-colored octagons, which reflect the octagon shape of the room, playfully interact with each other amidst a field of opal glass. For his own studio, Monarch's Michael Pilla designed this pair of windows (below) featuring abstract images made of hand-blown antique glass from Germany. A detail of one of Monarch's windows in a photographic studio (lower left) shows colored glass, clear glass and beveled glass framed within a copper grid.

Windows for sacred and secular places by Pegasus Stained Glass Studio in Minneapolis include a 6-foot diameter window for a St. Paul skyway bridge that spans Fourth Street (top). In its playfully exaggerated imagery a skyway reaches for the clouds amidst references to the surrounding Sibley Building, First Trust Center and the Mississippi River. For a Hope Lutheran Church window in Chaska (above), Pegasus interprets the Christian mythology of hope and suffering through the natural imagery of rainbows, trees, water and globes.
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THE NATURAL CHOICE.
Bodil Vaupel

By Adelheid Fischer

Like many of her Danish classmates, Bodil Vaupel decided to take some time off after high-school graduation before beginning her university studies. She chose to spend a year in Cambridge, Mass., as a cook and au pair for a Boston family. There was only one problem: "I had never cooked a day in my life," she recalls, laughing. So when her host family asked her to serve up a trial meal, "I thought about the fanciest thing my mother would cook up, basically a very fancy hamburger. And all the while I thought, 'Oh well, I gave it a shot, but I'm not going to get this job.'" Much to her amazement, her culinary design—a hamburger artfully garnished with raw egg yolks, capers and onions—landed her the job.

Vaupel went on to become not a cook but an architect, with degrees from the Massachusetts Institute of Technology and North Carolina State University. But she continues to parlay the best of Scandinavian taste and design values through her work in a southeast-Minneapolis studio, where she anchors the Minnesota branch of the Copenhagen firm Architects Henning Larsen and Bodil Vaupel. She also teaches at the Minneapolis College of Art and Design and serves on a college committee to establish an accredited school of architecture at MCAD based on design rather than engineering. And as chair of the Scandinavian Architecture Committee for the Scandinavian Center at Augsburg College, Vaupel also is instrumental in bringing Scandinavian architects to lecture in Minnesota. All of her work adds up to giving the concerns of northern-European architecture a significant presence here in Minnesota.

It was in fact the state's existing Scandinavian heritage that was a big draw for her in the first place. BefoRe Vaupel moved to Minnesota in 1986 with her husband, Jim Vaupel, founder and director of the demography program at the Humphrey Institute of Public Affairs, she was part of the architectural firm of O'Brien/Atkins Associates in North Carolina. There, among other projects, she worked on the R.J. Reynolds Forest Aviary, a tropical rain-forest and free-flight bird exhibition for the North Carolina Zoo near Asheboro. The Vaupels then spent an extended five-year sabbatical in Vienna, Austria. Wanting to return to the States, they set their sights on a big city with a cold climate not only bearable but enjoyable. Their formula? Simplicity, daylight, fresh air, quality and attention to detail, Vaupel says. Near the top of the list of her concerns is allowing people to control their environments. "Fixed windows are just the deadliest thing I can think of," Vaupel says. "Allowing people to change how much daylight and fresh air they get, you're acknowledging human dignity. You're not just saying, 'We're going to have 72 degrees, whether you like it or not. And you're not going to get any more fresh air than I'm pumping in here.'"

Scandinavians' greater appreciation for sunlight and fresh air is reflected in their habits and the construction of their buildings. Vaupel is astonished that in her daughter's

Continued on page 80

Architect Bodil Vaupel brings Scandinavian design values to Minnesota.
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VISIT OUR DISPLAY CENTER
Designing from the heart

An essay by Sarah Susanka

Home is a word loaded with meaning and emotion for most of us. We have sayings such as “Home is where the heart is”; “There’s no place like home”; and “Home, sweet home.” The word implies much more than just a house. It suggests refuge, the still point, the center, the hearth. It suggests a place that nurtures both family and individuals in an environment of comfort and security.

For those of us architects involved in residential architecture, the fulfillment of these expectations is, as you might imagine, the key to a successful project and a satisfied client; so it is critical that we communicate at some length and in detail with our clients about what home means to them before we put any ideas down on paper. An architect who specializes in houses has to be a good listener, since we are responsible for not only image and function but also for that elusive sense of comfort that can make a house into a home.

My own interest in houses derives from my childhood years in England. I vividly remember the homes of many of my friends, full of wonderful places in which to play and to participate in family activities. Perhaps my favorite place was a dormer in a friend’s bedroom. It was two steps up from the floor level of the rest of the bedroom, bringing us right up to window height. It had a low, sloped ceiling, and it was just big enough for the two of us to sit there side by side, making up stories about the people going by on the street below. Part of its charm rested in the size of the space—in comparison to the room it was attached to—its brightness and its connection to the outside.

My uncle and aunt had a very old farmhouse, complete with stone walls and stone roof shingles all covered with lichen. This house was a treasure trove of fascinating spatial experiences, which I draw from periodically in my own designs. Two remarkable features of this house were the stairways to the second floor. One was very wide and grand, though with a definite, homey feeling to it. This stairway was wonderful for bumping down with my cousins, four abreast. The other staircase, only a few feet away, had undoubtedly at one time been the maids’ stair. It was dark, narrow, winding and very scary! It even terminated in a windowless pantry that made it all the more terrifying. I can still feel my heart pounding in my ears as I reached
the bottom and rushed for the pantry door.

The house also had a real farmhouse kitchen with a stove and sink at one end and large table and fireplace at the other. The fireplace was big enough that when I sat in the rocking chair in front of it, I almost felt as though I were sitting *in* the fire. I only rarely experienced this sensation, as the chair was almost always occupied by an elderly relative, but those few occasions stick with me, and I recall feeling that this was the very center of this house.

The homes I was familiar with as a child were full of special places for people to accomplish their everyday activities. But rather than

*Continued on page 112*
As one of the most stately buildings in the oldest town in Tennessee, the Washington County Courthouse in Jonesborough deserved and needed a lot of special attention. Built in 1913, this historic landmark was not aging gracefully. Major renovation—more than 1.6 million dollars worth—was required. A year-long project. “Inside, it was a major redesign,” explained architect Joe Lusk of Beeson Lusk and Street in Johnson City. “New plumbing. Heating. Air conditioning. New decor. Improved lighting and sound systems. We even added an elevator and new stairs.

“Outside, we tried to retain the original look of the building. To preserve its historic nature.”

To do this, Lusk first looked to local millwork houses for custom windows. The cost was prohibitive. Fortunately, an Andersen sales representative had another idea: By stacking standard Andersen® windows and adding a custom designed vertical muntin, the look of the old double-hungs was replicated. And, by taking advantage of the Andersen® High-Performance insulating glass in their Perma-Shield® windows, the requirement for high energy efficiency was answered.

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The storefront sparkles with color. Dragonflies, magnolia, wisteria, roses and trumpet vines converge in an interior garden of glass lampshades. Gold fish adorn one shade; peacock feathers create a polychromatic show on yet another. Sunlight streams through an opalescent transom—rich green foliage surrounding a dragonfly and poppies, some in full bloom, others just budding—to announce Century Studios. In this small showroom and studio, tucked into the northeast corner of the Colonial Building in Minneapolis's warehouse district, the legacy of Louis Comfort Tiffany lives on.

Century Studios is one of a scattering of shops nationwide perfecting the art of reproducing Tiffany lampshades. For Irwin Terry (right, in photo) and Bill Campbell, who opened the studio in 1989, the showroom represents hundreds of hours of exacting work. A single lampshade, depending on the size and detail, can take anywhere from 30 to 200 hours to reproduce. And the price tag, from just under $1,000 up to $15,000, is testament to skill, material and time. Complete with bronze or brass Tiffany-reproduction bases (from a different manufacturer), the final product, they say, is comparable to an original—but at about one-tenth the price.

Century Studios began more as a hobby than an actual business venture for Campbell and Terry, who both have art degrees. Terry always had been interested in stained glass, and after taking a couple classes, he found himself more and more drawn to Tiffany forms and patterns. He and Campbell began making lamps in a home studio and selling them through Gaytee, a stained-glass studio in town. In March 1989, they had a show at Gaytee and, to their surprise, sold one-third of their lamps. The show's success inspired them to open a shop of their own.

While the front of the studio hosts the finished products—Terry and Campbell like to display a cross section of Tiffany patterns and sizes, from small table lamps to large shades for floor lamps—the back of the store is where the real work occurs. Patterns, with repeating floral arrangements, are traced from original lamps. Sheets of colored opalescent glass are cut and ground to fit the exact patterns. "We try to work within the original color palette," Terry says, "but we also leave room for the customer's input. Generally, though, we are dealing with floral patterns that have fairly standard and realistic colors." Once the varied pieces are fitted into the puzzle, the patterns are put onto a form where they are soldered from the outside, then removed and soldered on the inside and finally patined.

Customers entering the shop are greeted by floral explosions of colors and patterns. And because the two also enjoy educating the public, a guided tour is a part of any trip to Century Studios.

At Century Studios, the key word is craftsmanship in the art of Tiffany reproductions. E.K.
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Boxes, little boxes, all the same

On winter nights, when it is very quiet and very cold, the houses in my ca. 1940 neighborhood by the river seem like brittle cardboard cutouts, as if a child architect put scissors to paper, cut a series of little gabled forms and strung them out in a row from street corner to street corner. Smoke curls from the chimneys to the stars, while in the summer the houses are ringed by tidy strips of flower gardens, just as you might find them in a kindergartner’s drawing. Their simplified facades—one door, two windows; one door, two windows, for blocks on end—give the abstracted compression of a kid’s imaginings a real-life context.

Our house is perhaps the most childlike of all, even though no flower boxes or flounced curtains decorate the windows. There are no textured shingles, not even an interesting door knocker to snare the imagination and redeem the blank expanses of beige stucco and uninflected dark-brown window trim. Each time my parents visit, they make some loose hand gestures in the direction of the house, as if brushing away a persistent fly, and say, “Get some shutters. Dress it up a little.”

But I like its radical simplification, its almost archetypal “houseness.” It resembles, no doubt, some of the earliest, crudest and yet most pristine expressions of shelter I drew as a child—one door, two windows, the sheltering arms of a gabled roof, the smoke curling from the chimney, the carefully tended flower beds to suggest that people kind and well-meaning live within its rectilinear contours.

Not all of the houses in the neighborhood are as plain-spoken as ours. Some have whimsical stonework set into foundations and chimneys. Many have sharp peaks, massive wooden doors with tiny mullioned windows and strange, wrought-iron lighting fixtures. There is something of the storybook in this architecture, so much so that a friend once remarked that the neighborhood was filled with troll houses that aspire to be tudors when they grow up.

By today’s standards these houses are hopelessly outdated. When people renovate homes nowadays, they talk about a generosity and complexity of light and space, pushing walls as far away as possible, blurring the distinctions between indoors and outdoors so that there is greater embrace of, not shelter from, the elements. The psychology of our aesthetics has grown up.

New family structures also have outpaced these houses. Our narrow back entryway is designed to accommodate the easy passage of one, not two, wage-earners at the end of the day. Our house doesn’t acknowledge our need for home-studio and office spaces. The tiny galley bathroom will never, even in its wildest imagination, become a home-entertainment center with Jacuzzi and skylights. And the kitchen still is tailor-made for one cook, like the Czechoslovakian granь before us who must have fed legions of the hungry with the goulash and kolackv she whipped up on the wide-bodied Roper stove that still rules the space from a kitchen corner.

Is there anything to be learned from these little jewelry-box houses? I think so. Most of it has to do with scale that encourages intimate conversation with self and others. Our house never will host a cocktail party for 50, but the dimensions of our dining room are perfectly pitched for kindling a rousing conversation in a dinner party of six. And though our kitchen is never big enough to hold the pre-dinner gazers and grazers among our guests, its proportions are exquisitely scaled for late-night tea for two during a raging blizzard.

So much for opening yourself to the elements through architecture.

Adelard Fischer
Interpreting dreams
New technologies have revolutionized the way architects communicate with their clients about design

By Barbara Knox

Architects who have access to computer graphics in their daily work use words like "explosive" and "powerful" to describe the impact of high-tech tools on the way they do business. In design, client presentation and drafting, through virtually every phase of an architectural project, computer graphics are changing the way a lot of architects do business. But for clients, the patient souls who for so many years sifted through confusing floor plans and renderings to glean an idea of what their space might look like in the end, computer graphics have come as a godsend to take much of the mystery out of the architectural process. And if current 3-D graphics have revolutionized the way clients see projects, the future of this technology can only be called mind-boggling. Just strap yourself down and go along for the ride.

Consider, first, that computer-graphics systems have just begun to appear in most architectural firms; even veterans have only had their systems for a few years, and most teaching institutions have just begun training architects in the use of computers in the last three or four years. Nonetheless, creative applications of the technology abound, and enthusiasm for working with the systems runs high. At Shea Architects, for instance, Design Director Gregory Rothweiler says that "when you consider what the computer can do, the ramifications for the culture are unfathomable. It's exciting, almost a little unnerving."

Chris Schalk, a marketing specialist in Towle Real Estate's property-management division, has worked with Shea on several projects involving computer-aided design. In one project, for example, "I wanted to present a client with a couple of different options for a space they were interested in renting," Schalk explains. "Shea Architects had the building in question on their CAD system, so when I called and asked them to take a shell space in the building and lay in a proposed plan for finishing the space, they had a complete package ready for me in two days. They gave me computer-generated renderings of the building plus space plans plus three-dimensional renderings of the proposed plan. Without their CAD system, it would have taken at least a week to do that kind of work, and in a week, you can lose a client."

Keeping the client happy figures prominently in many architecture firm's decision to bring in computer-aided design systems. "Our goal was to enhance our relationship with the client," says Ellerbe Becket's senior designer/vice president Mic Johnson of the firm's decision to install a computer system. "We wanted to be able to communicate an architectural idea, not just a planning idea." Some 41/2 years later, the Ellerbe Becket team is turning out full-color, 3-D materials that allow the client to look at a project from every angle, rather than just the single perspective of a rendering, using AutoCad and AES systems (two different kinds of software used in computer-aided design). Explains Johnson: "Rendering is labor-intensive, and it freezes the information into one perspective. The client can't see what the back of the building looks like, what it looks like from the top or what it might look like if we colored it red." Through 3-D graphics, they can see all that and more.

"Seeing the project on Ellerbe's computer system gave us a phenomenal advantage," says Bob Shiff, director of Property and Plant for Group Health, referring to Ellerbe Becket's design for a Group Health clinic at Riverside Medical Center in Minneapolis. "One of our premises for the project was that it be
done on AutoCad, because we’re trying to maintain all of our own property files on an AutoCad system.” Because Shiff had to, in turn, present the proposed Group Health building to both Riverside Medical Center and Fairview hospitals, he found the computer-generated images prepared by Ellerbe Becket a major asset. “The high quality of the computer images made a substantial difference in our ability to sell the project to management,” Shiff believes. “And I was able to work with Mic Johnson on the design right from the outset. I didn’t like the vestibule on the original drawing, but with a little monkeying around, we made some changes right on the spot. It’s quick and it gives me a variety of perspectives I could never have otherwise.”

“With new computer graphics, you can create things that are impossible to draw,” says Lee Anderson, assistant professor and director of Computer-aided Design at the University of Minnesota College of Architecture and Landscape Architecture. “You can take your image off the screen and project it into an undistorted, 120-degree panoramic view; you could even put three of these together and, in effect, be inside a drum looking at a 360-degree image around you.” Anderson has created a new program for Macintosh computers called Spacemaker that will soon be on the market and will make those sorts of experimental images available to just about anyone with a Mac and an interest in architecture and design.

Anderson’s Spacemaker software will be affordably priced (around $99) and will allow the user to draw quickly and simply on the screen in three dimensions. In seconds, you can create columns, cubes, platforms, walls, spheres...the possibilities are endless. Just as quickly, you can pull the elements together to form a structure, or change the mix at will. You can rotate the image, or even just one part of the image, to explore the design from all angles.

Perfect shadow rendering allows you to observe the effect of sunlight—at any time of the day, any place in the world—accurately. Just pick a time and a latitude and, voila!, the screen instantly reflects the effect of the sunlight on the structure through shadow and color changes. You can even pick the color of your sunlight. Or moonlight. The system combines the best of worlds; You have almost the same freedom you enjoy drawing on the back of a napkin, but the luxury of coloring, shaping, enlarging, rotating and otherwise fooling around with the image through the wonders of computer chips.

With such software, interaction with the client—especially in preliminary stages—can be dramatically enhanced. Early designs can be sketched and discarded right on the screen. Once a general approach is developed, the design details can be modified quickly by pulling up the image on the screen.

Johnson says that his firm “used
For his graduate thesis, University of Minnesota student Greg Hough used the Department of Architecture’s computers to blend video images with computer graphics. The background image near Landmark Center in St. Paul (above) was taken with a video camera. Hough then superimposed a computer-graphics image that had been created to match the perspective and lighting conditions (below).

"I’ve been dealing with architects for more than 22 years," says Group Health’s Shiff, "and I know through experience just how much easier computers have made the whole process of seeing a project." He adds that "for the Riverside project, we were able to see not just how the building would look from the front, but also how it would look as you drove by on Riverside Avenue, and how it would look from the top and the back. And you’re seeing all that in images that are almost photographic in quality. It’s a phenomenal tool."

Presenting a project developed with computer graphics can take many forms. Using various "output" devices now available, images on the screen can be transformed into slides, prints, even 4 x 5-inch transparencies. Of course, standard hard copies—images printed out in the same way words on a word-processing screen are printed out—also are available. Or you can shoot a photograph/slide directly off the screen. But the advent of video graphics may signal the most dramatic presentation tool yet.

Based on a television standard, video graphics can accept input directly into the system; that is, you can scan an actual photograph onto the computer screen. From that point, you can alter the image by adding your own design to the mix. For example, scan in a city block with a vacant site ready for construction. Into that vacant site insert your building design. You’ve just created a collage that pairs your high-rise design with an actu-
al, photorealistic site. In the same way, you could add or subtract windows on a facade, add a second story to an existing house, borrow windows from an adjacent building to add context... again, possibilities are endless.

Taking that whole notion one step further is animation. As software for animation becomes more sophisticated, it will be—it is already—possible to animate an entire client presentation on videotape. Clients can walk through a project and see what the space will look like inside or out. The entire presentation can be created on videotape, ready to be tossed into a briefcase and brought to the client for screening on a standard TV/VCR system.

Rothweiler makes the point well when he says that “architectural drawings are a strange abstraction that usually only an architect can understand. Even after years of working with a client, they still don’t really see it. But because of their exposure to TV, they’re very open to computer images; they’re able to understand them much easier.”

Schalk, who explains that Towle Real Estate is currently looking to computerize its entire operation, believes that putting the company’s holdings into computer-design formats will add incalculable value to Towle’s operation. “Our clients are so impressed when we can offer not just a good space, but a plan that shows them exactly what that space will look like after it has been designed to fit their needs,” Schalk says. “The computer takes away the questions. It makes them feel confident about their decision. And that’s good for business.”

*Barbara Knox is a Minneapolis free-lance writer.*
Living on borrowed light
A family discovers its roots through architecture

When Wayne and Ginny French built their 2,900-square-foot Edina split-level in 1970, the two of them had more than enough room. Even after their two children arrived, the house continued to accommodate their needs. But as their children approached their teen-age years, the couple realized that the house wasn’t built to traffic with ease the comings and goings of four independent people with hectic lives.

For one thing, there was little privacy. Family members normally entered the front door of the house and headed up a flight of stairs, where to the left a series of adjacent bedrooms opened out into a single corridor. To the right was the kitchen where Ginny cooked with kids and homework underfoot.

Ginny dreamed of a space where pots and pans could peacefully co-exist with school books, and Wayne longed for a private study, instead of the noisy one he had on the main traffic artery between the front door and the kitchen. Both were desperate for light.

The Frenches considered a variety of housing options, from moving out of the area and commuting to Minneapolis to tearing out the dark ’60s’ paneling and greeny-gold carpet and lightening up the place with a fresh coat of paint. But they realized that they had outgrown not the house’s square footage but its layout, and mere cosmetics wouldn’t change the friction it caused.

They initially approached Cheryl Fosdick and Michaela Mahady of Mulfinger & Susanka Architects with the thought of adding an extra 10 feet of space onto the back of the house, which overlooks an idyllic but steep knoll of trees. But the addition proved to be structurally difficult given the site and the Frenches instead began a discussion about making more substantial changes to their house.

With that, both architect and clients embarked a road of personal as well as design discovery, nearly doubling the square footage of the house in the process. “It’s like we were pen pals in the beginning,” Fosdick says. “You never know the other person you’re writing to, and you write to them for a long, long time. And we wrote back and forth, not letters, but plans that changed and changed. They’re the perfect clients because they participated in the design process. Wayne had several all-nighters just designing himself using our original plans. They were also very critical, opinionated people. I got a very good sense of what they didn’t like.”

Being native North Dakotans, the Frenches missed the sky and sense of spaciousness they’d grown up with. With that in mind, Fosdick cleared the site of extraneous vegetation, felling a dozen oaks in the process to allow more light to penetrate the house. Then in her design she pulled elements of the house forward to give it more command over the brow of the hill. She retained the interesting board-and-batten texture of the original skin, but lightened its dark-brown color with a coat of grayish-green paint.

The original windows trimmed in brown aluminum were left in place. But to define and differentiate the new, extended portions of the house she selected a teal window trim.

Inside, Fosdick began by giving
Glass-block or leaded-glass inlays in interior walls borrow light indirectly from the outdoors. Here, the front entryway of the house serves as a light well for several interior spaces.
Before the renovation of their house, the Frenches complained of dark, cramped spaces that were accessed by long, narrow corridors. The soaring brick wall of the living-room fireplace (above) and the open floor plan of the informal living area, which includes this dining space (below), contribute to a feeling of spaciousness in the house's redesign.

Family members their own zones. She added a third-floor hideaway exclusively for the parents, carving the space into a study for Wayne and a master bedroom suite that "pulled them up into the clouds," Fosdick says. To enhance the sense of privacy and distance from the rest of the house, she located their rooms at the top of several flights of steps. "Their zone starts at the bottom of the stairs and the kids know it," Fosdick says.

As you enter the main foyer, you still have to climb a bank of stairs to the kitchen, but instead of leaving it a cramped space tucked away into a cubbyhole, Fosdick pulled the kitchen away from an exterior wall, making it an island in a sea of light that floods it from three sides. And the single double-loaded corridor that once led off the kitchen in a straight shot to the bedrooms was extended into a U-shaped circulation path that now gives occupants a choice of following two paths to the combined kitchen/family room area. Along the route is a guest bedroom suite, complete with bath and a sunroom sitting area, a bedroom for one of the French children and best of all, a commodious pantry for food storage right off the kitchen. Gone are the days of rummaging through hard-to-reach kitchen cabinets when composing the grocery list, Ginny says.

And with the bedroom for the Frenches' son located on the lower level, sibling squabbles have been minimized. "The kids don't get into each other's stuff, and the conflicts are fewer," Ginny says. "If one plays the radio and the other doesn't like the station, who cares. They each have their own zones."

Nearly every zone of the house is washed in light—begged, borrowed or stolen right from the outdoors or
Fosdick pulled the kitchen away from an exterior wall, turning it into an island that forms a hub for the activities of the informal living and dining areas surrounding it. Below, the generous use of windows floods the back of the house with light while giving occupants a three-tiered lookout over a steep, idyllic knoll of trees.

other inner spaces. "There are no surfaces that don't receive light, either directly from an exterior window, through a glass wall, walls with punched openings or skylights," Fosdick says. Rather than opening the north-facing corridor that leads to third-floor suite with large windows, a series of small, punched clerestory windows add light, texture and whimsy to the space. At other points, glass-block or leaded-glass insets in inner walls, for example, funnel light from spaces brightened by exterior windows. Lit at night these details glow like translucent ice cubes, so that the house itself, which the Frenches prefer to furnish very sparingly, doubles as architecture and decorative sculpture.

Attracted by the light of Ginny's lower-level sewing room—open to the sky and the surrounding trees through skylights and floor-to-ceiling windows, the French children often stop to chat with her now at the end of the school day. As for Ginny, it's a far cry from the days when she shared her sewing room with the washing machine that forced her to catch guilty glimpses of the dirty laundry. "Now I just close the door and say, 'It can wait.'"

A.F.
The raw stuff

Creative dreaming makes for an artful getaway under the eaves
John and Sue Anderson aren’t your typical homeowners. When they bought their 1931 north-Minneapolis cottage tudor, they were undaunted by the house’s exterior: green stucco with yellow and burgundy trim and a gray roof. What really got them excited, however, was the attic, a space so rough it was nothing but roof and rafters. Never mind that they had to arm themselves with tennis rackets to fend off the bats each time they climbed to the top of the attic stairs.

But the Andersons looked past the carnival colors and spooky attic to find a meticulously crafted house ripe with possibility. “When we saw the house it was the one thing that inspired us: Raw attic space!” Sue recalls. “We knew we’d have lots of things we’d be filling it up with eventually. We wanted everything to be open.”

The couple started by toning down the exterior with a fresh splash of beige stucco and painting the half-timber designs dark brown. Then they rolled up their sleeves for the big job: turning their unfinished attic into a combination living/office space and master-bedroom suite.

The Andersons, interior designers and owners of the Wyman Building gallery Anderson and Anderson, wanted a private, adult space that would accommodate their collections of art and arts-and-crafts furniture. (A 10-foot-long paper construction by Minnesota artist Rodger Crowell finally found enough elbow room on an upstairs wall.) So instead of carving the 1,100-square-foot space into a series of cubes, they designed the ceilings to follow the roof line where possible and pushed the walls as far out under the eaves as they could. “We wanted the space to just flow up here,” Sue says. “We knew we’d have lots of things we’d be filling it up with eventually. We wanted everything to be open.”

The Andersons left the enclosed staircase intact, so that they could close the door at the foot of the stairs for privacy—and child-proofing. (Daughter Britt sleeps in a first-floor bedroom. An intercom keeps the Andersons in touch with her at night.) At the top of the steps visitors survey an L-shaped living/office area whose spaciousness is enhanced by dramatic gabled ceilings that stretch to 16 feet at their peaks and a diagonal sight line that draws the eye to the sitting cove at the other end of the room, creating, John says, the illusion of a longer space.

Tucked off to the right are leaded-glass doors that mark a gateway to the master bath- and bedroom area. (The couple salvaged and refurbished the doors from a Marshall, Minn., mansion and installed them after gingerly scraping off the yellow-and-white Chinese fretwork contact paper that covered the
The Anderson's second-floor attic combines a master bedroom suite (top) with an informal sitting area (below). These spaces double as a gallery for the couple's collection of art and arts-and-crafts furniture. Ingeniously incorporated into the architecture are a pair of antique stained-glass windows that serve as a decorative headboard for the bed and a set of leaded-glass doors salvaged from a Marshall, Minn., mansion.
Consulting architect Rich Lay (formerly of Wold Associates) recommended flattening and lowering the ceiling to 8 feet in the master suite’s anteroom to house the central venting core for the second-floor’s separate heating and air-conditioning units. To keep the space from feeling dark and cramped, the Andersons funneled light from the adjacent bedroom through antique stained-glass windows installed in a shared wall. On the other side, the windows are a decorative headboard for the couple’s bed.

The anteroom functions as a serene dressing and reading area, but more important serves as a kind of holding tank for the surprise of the bedroom just beyond it. As you turn the corner the room suddenly resumes the animated play of angles found in the rest of the attic. To the left of the bed the ceiling swoops low to form a cozy nook lined with built-in storage, which was used as a small nursery and now has become an exercise bay.

The house’s exterior yields no clues to the contemporary design of the second floor since the Andersons loved the character of the house and worked within the existing configuration of windows and roof lines to maintain its charm. And despite its clean, contemporary lines, the soaring spaciousness is tempered by the comforting sense of enclosure that comes with being sheltered by the gabled arms of the ceiling which “keep the intimacy that you find in the rest of the house,” Sue says.

Against the backdrop of gray carpeting and white walls, the couple’s white Donghia sofa easily mingles with a Gustav Stickley desk, and Jim Dine prints rub elbows with iron caldrons by local artist Wayne Potratz. “This is where the parents play,” John says, laughing. A.F.
Neoclassical update

Turn-of-the-century house provides classical charm with a contemporary twist

When local developer Steve Reinstein went house-hunting after transferring to Minneapolis from Chicago 3½ years ago, he had several specifics in mind. He wanted a house with a fireplace, plenty of wall space for his growing art collection and a free-flowing floor plan. Ironically, the 2½-story, four-bedroom house he did zero in on near Lake of the Isles in Minneapolis didn’t have a fireplace, and the boxed-in rooms and beige walls hardly seemed suitable for art displays. But the turn-of-the-century house “had a distinct architectural style with clean lines, high ceilings and a subdued classicism that appealed to me,” Reinstein says. The fireplace surely could be added.

His Chicago apartment was in a modernist high-rise designed by Mies van der Rohe in 1953. His new house would allow him to apply the lessons of Mies in a more traditional setting. He hired residential architect Martha Yunker to update the 2,100-square-foot house, with an emphasis on contemporary openness that nods to the house’s neoclassical detailing.

Yunker started in the living room, which was separated from the dining room by a wall and small arched entrance. To give Reinstein free-flowing space, Yunker expanded the arched entrance by knocking through the wall, thereby increasing the visual and physical connection between the two spaces to create a large L-shaped room. Yet to maintain a symbolic separation without boxing in the rooms, the architect anchored a doubled-faced fireplace between them. Sited like an island in the center of the house, the fireplace is a dramatic focus of the main floor, a modern white ornament set atop a black slate base.
Architect Martha Yunker opened up the interior by knocking out a wall dividing the living and dining rooms and added a double-faced fireplace between them. Columns and dentils on the fireplace play off the house’s classical detailing, and a buffed verde-aipe marble atop a Corbusier table base in the dining room is repeated in the fireplace.
The fireplace is a dramatic focus of the living room (above) and separates the living and dining room without boxing in either. Reinstein says he always has liked glass block, so he couldn't resist the temptation to use it in a shower wall for his new bathroom (right). The whirlpool bath is tucked into a bay.
with dark green verde-alpe marble trim and classical detailing, seen in the columns and dentils. Traffic easily flows around the fireplace, from the living room to the dining room and back again.

To further increase a sense of spaciousness and take advantage of the high ceilings, Reinstein had the walls painted white, drawing in more light to offset Minnesota’s gray winters and providing a neutral, uncluttered backdrop for his art. Bathed in sunlight and white walls, the rooms easily could double as an art gallery. Overlooking the dining-room table—an oval sheet of verde-alpe marble atop a Corbusier base—is a full-wall surrealist vision by Fiona Carlisle. Two Maplethorpes hang opposite the French doors in the dining room; a third graces the front stairs. In the living room, another large-scale painting by Madden Harkness hangs near the sofa, joined by other contemporary works throughout the house.

“I like art with a unique vision of people, that has a tension that forces you to look at it,” says Reinstein, who belongs to Walker Art Center’s collectors’ group.

The white, neutral tones of the living and dining rooms also carry into the kitchen, which Reinstein considers part of the house’s “public spaces” when entertaining. Yet the original kitchen was just too small to be functional for cooking or entertaining. “It was really an apartment-sized kitchen, not appropriate for a house,” Reinstein says. Yunker nearly doubled the kitchen by extending it outward and adding a bay window for a breakfast nook. At the center of the room, she incorporated a working island that serves as a range and casual dining spot. “People can sit and talk at the counter as you prepare food,” he says. “The kitchen is now an alter-native to the family room.”

Upstairs, above the kitchen addition, Yunker added a master bathroom, in which a line of black floor tile amidst a field of white tile marches dramatically toward a glass-block wall encasing the shower. “The bathroom wasn’t on my origi-nal agenda, but the extension of the kitchen certainly opened the opportunity to do something upstairs,” Reinstein says. And not to miss an opportunity, he added a whirlpool bath, just for good measure. More traditional than the new bathroom, however, is the den, converted from a bedroom and highlighted by a fireplace framed in cherry wood and the same verde-alpe marble used downstairs.

Furniture, too, which Minneapolis interior designer Tom Morin helped to select, is a play on the house’s neoclassical styling. The base of an end table downstairs, for instance, resembles the top of a Corinthian column, but the Corbusier base for the dining-room table is clearly modern. Combining details such as the open floor plan with the classical molding around the fireplace, the house lends the past a contemporary sensibility. E.K.
Rethinking the ranch
A 1950s' tract home gets its priorities straight
"I had lost all interest in my home," says Betty Law of her tidy but typical ‘50s ranch in Shoreview, Minn. After more than three decades in their house, Betty and her husband, Ed, were on the verge of moving, vacillating between staying put or retiring to warmer climes. They wanted a more contemporary house, but hated to leave the shores of Lake Owasso, which Betty says for years "was the focus of our lives." The lake won out but the Laws were determined to make some changes on their home front.

The couple contacted McGuire/Engler/Davis/Architects after admiring a friend’s house designed by the Stillwater firm. Architect Kelly Davis began his redesign by addressing Betty’s concern that “the outside of the house had no personality. I really disliked that,” she says.

Davis agreed and worked to unify the house’s inner and outer spaces, while creating surface interest and a sense of invitation. Like most of the ‘50s tract housing in the neighborhood, the garage nosed its way into prominent view. Davis added arbor’s to the street facade which softened the garage’s impact and intensified the depth of the roof, thereby sheltering the entry-way. Double-hung windows were replaced with casement windows, their plainness offset by the addition of textured detailing in surrounding fins.

To make the house part and parcel of its site, the painted cedar siding was flipped to expose the natural wood finish. On the lake side the architect added a continuous balcony with sliding-glass doors in the bedroom, living and informal dining spaces.

For the redesign of the interior spaces, Davis took his cue from the view. “I wanted all the spaces to take advantage of the site so that you were immediately aware of the beautiful lake,” he says. From just about any vantage point, you feel, as it were, sandwiched between layers of space and light with the water as your compass.

Formerly, for example, guests entered the house through a dark, closet-sized hallway. Davis doubled...
its size, then demolished a wall in the formal dining room just to the left, replacing it with built-in cabinets and shelves of birch. Partial openings allow those seated at the table to have unobstructed views of the living room and lake. Those on the stoop are treated to similar views so that from the front door the house’s theme—flowing space in conversation with itself and the outdoors—is established.

On the other side of the house, Davis repeated his strategy of amplifying the feeling of space by opening up multiple views of long vistas. The kitchen, for example, once was cut off from the lake by a screened porch. Davis integrated the porch into the interior, revamping it into an informal eating area, then washed the space with light from skylights and sliding-glass doors. Views from the new kitchen cut straight across the solarium to the water or diagonally through the living room to the outside.

Davis unified the new with the old through a cohesive use of materials. When the screened porch was incorporated into the interior of the house, the exterior stone of the fireplace didn’t match its interior white brick. The brick was removed and replaced with a similarly pale, textured stone. The custom birch cabinetry of the formal dining area is repeated in the kitchen cupboards and cooking island. Redwood valences with recessed lighting provide a continuous base-line design, erasing the boundaries between the layered spaces throughout the house. And earth-toned tile from the entryway clads the floor of the kitchen and breakfast area.

Even simple touches in the master bedroom, such as sliding-glass doors and a new long window through which the Laws catch views of the lake from bed, have lent freshness to an all-too-familiar space. “We’re much closer to the trees now. It’s like living in a new house,” Betty says.

A.F.
Multiple views of long vistas amplify the feeling of spaciousness in Davis's redesign. The living room (above) opens on all sides to the spaces around it. The house’s theme of flowing space in conversation with itself and the outdoors is established from the front stoop (left) where viewers can look through a layering of interior rooms to the lake on the other side of the house.
Room to breathe
An 83-year-old Kenwood house discovers a fountain of youth in space and light

When Walter and Joan Mondale moved back to Minnesota in 1987, there were six houses for sale in Kenwood, five of them mansions. Empty nesters (except for dog Digger) with hectic schedules, the Mondales weren't interested in a house of palatial proportions. "Besides," Joan adds, speaking of the vice president's residence they occupied for four years in the nation's capitol, "I lived in the best mansion of all, except for the White House. And the servants did the dusting. I wasn't about to tie myself down to a big house to dust all day long."

But the Mondales were in luck. On the market was a modest 1,900-square-foot house a block from Lake of the Isles. Partial renovation of the 1907 house by former owners Jay Bush and Peggy Rudberg already had been completed. A pair of stacked three-season porches at the back of the house was converted to kitchen and master-bedroom spaces. Walls dividing the living and formal dining areas adjoining the kitchen on the first floor were removed to create a fresh, contemporary open-floor plan.

The Mondales were sold. Walter (who Joan says likes "to cook the fish he catches") was immediately drawn to the new kitchen at the back of the house, where a battalion of guests could help prepare dinner and still catch views of the lake through the west-facing windows. Directly above it on the second floor a new master bedroom suite with private bath and balcony offered the couple a secluded retreat from the rest of the house. Besides, former Minnesota Attorney General Doug Head and former State Senator Jim Ulland were neighbors, leading Walter to feel right at home in what he dubbed...
A traditional fireplace design by architect Martha Yunker softens the severe geometry of the Mondales' house, as do the eclectic furnishings, which include a Windsor-inspired armchair by Thomas Moser, an antique dovetailed chest and stool by Finnish architect Alvar Aalto.
In his redesign Jay Bush opened the enclosed staircase to the second floor and then flooded the space with light from a two-story Palladian window. Using an x-and-cross-shaped mullion pattern from a first-floor window, Yunker designed a maple banister and bookcases that recall the older character of the 1907 house and the Mondales’ love of handcrafted artisanship.

The Mondales were so pleased with the renovations that they asked Bush—long-time general manager of the Children’s Theatre who left Minneapolis to pursue architectural studies at the Southern California Institute of Architecture—to complete the redesign. What followed, Bush says, answered the Mondales’ needs “in a continuation of the spirit of what we did for ourselves.” His objective was to bring light and spaciousness to a house that over the years had been parcelled into a five-bedroom, one-bath interior with awkward hallways and cramped, dark rooms.

To give the house additional closets and a more marked entry, a front vestibule was added. Modeled on the flanking-glass entryway of the Mondale’s former house in Washington, D.C., the door lends the house an immediate transparency, serving as an entry point into a kind of crystalline corridor that runs the length of the house. From the front stoop, visitors catch glimpses of the back yard through the west windows at the other end of the house. Far from shielding themselves from the eyes of curious passersby (Bush recalls that gawkers stopped to stare almost as soon as news of the house’s sale hit the press), the Mondales have opened their home as much as possible to the life around them. “Our house is so small we wanted to do everything we could to keep the walls away from us,” Joan says.

That goes for the vegetation, too. As part of her landscaping scheme for the property, landscape designer Sarah Baker Ross removed one of the old Norway firs that obscured the front facade. Designer

the “corner of the spent politicians.”
Maria Hanft of Architectural Alliance freshened its face to the street with a new coat of beige stucco and grayish blue and green exterior trim. "We didn’t want pink and purple on the outside of the house," Joan says. "We wanted to fit into the community."

To connect the upper and lower spaces, Bush took out the walls that enclosed the staircase leading to the second floor, then flooded the space with light from a Palladian window. At the top of the steps two small bedrooms were opened to form a large single room that functions as a loft study. Four skylights were added so that along with the existing cottage-like windows "we now catch every speck of light," Joan says.

Throughout the house are details that enliven the bright light and spare geometry of the spaces. To accommodate the Mondale's collection of contemporary pottery, a niche was installed in a dining-room wall. Balancing it on the other side is a new built-in buffet that replaced a long, narrow and hard-to-use closet. And in the living room a clear leaded-glass window by Minneapolis artist Philip Larson adds a note of whimsy with its abstracted motif of big fish eating little fish.

Wanting to incorporate the Mondales' love of handcrafted artisanry as well as recall the older character of the house within its new clean contours, Minneapolis architect Martha Yunker (who contributed to the detailing in the house) replaced the metal pipe-rail banister that was to grace the stairs with a maple design that mimics an x-and-cross-shaped mullion pattern in the first-floor windows. The light wood, which takes its cue from the kitchen cabinetry, is repeated in the bookshelves that line the second-floor study and in Yunker's design for the living-room’s classic fireplace mantel.

Within this buoyant but spare contemporary interior the Mondales have installed the pieces of furniture they've collected from the very first days of their marriage—a grandfather clock handed down from her grandmother; Alvar Aalto stools and a Mies van der Rohe lamp from a former director of the Minneapolis Institute of Arts; pressed-back chairs from an antique store in Indiana; a set of chairs from a former North Oaks, Minn., neighbor. "We’ve kept our furniture as we collected it bit by bit," Joan says. "And somehow, it all fits in."

A.F.

Bush opened a pair of second-floor bedrooms to form one large loft study. Four skylights capture the morning sun making this treetop retreat a study in light.
A living room for Minnesota

The Governor's Residence offers visitors a Minnesota-style welcome with some of the graciousness of an English country retreat.

Recent renovations of the Governor's Residence (opposite) have helped to recover the house's early-20th-century splendor. Among the renovated spaces is the formal dining room (above). Bleached sometime in the 1940s or 1950s, the paneling has been restored to its natural warm glow, lending an old-world luster to the elegant furnishings.
In 1910 when Minnesota lumberman Horace Hills Irvine and his young wife, Clotilde, hired Minneapolis architect William Channing Whitney to design a house for them and their small children, they wanted everything the Victorian era expected from a dwelling—that it wed beauty with utility, ease with efficiency, order with gadgetry.

Whitney didn’t disappoint them. For an estimated $50,000, he devised a graceful, Tudor-style structure of red brick and white stone with rounded arches, bay windows, gabled roofs and tall chimneys. Inside, African mahogany was used for the drawing room, Circassian walnut for the dining room and oak for the library and foyer. There was a grand staircase, nine fireplaces, numerous bedrooms, eight bathrooms and, to appease the Victorian obsession with light and fresh air, four screened porches and a solarium. It even included a built-in vacuum cleaner and intercom and outlets for both gas and electric lights. In fact, decades later Clotilde Irvine, who stayed in the house until her death in 1961, would say, “Most people build a home, and then, after it is finished, wish they had it done entirely differently, but...ours [is] as satisfactory [now] as it was the day it was built.”

That same house—at 1006 Summit Av. in St. Paul—was deeded to the state of Minnesota in 1965 by Clotilde Irvine Moles and Olivia Irvine Dodge in memory of their parents. “My sister and I had decided to donate the house for a worthwhile cause,” Dodge recalls. “Two congressmen approached us and asked if we would give it as a governor’s residence.” They agreed, with the proviso that should the property cease to be a “ceremonial building” it would be demolished. Around the same time, the Alice O’Brien Family Foundation offered its land next door to the Irvine for a parking lot. With these gifts, Minnesota became the 42nd state in the union to own a governor’s mansion.

Since then, five gubernatorial families have occupied the house, and the building itself has undergone many changes to make it more conducive to its new role as an official, public space. Under the Rolvaag administration, the structure was rewired, and under the LeVanders, the air-conditioning and heating systems were upgraded and the parking lot (for 26 cars) paved. A kitchenette on the third floor was added for the Wendell Andersons, and the original servants’ dining room on the first floor converted to a security office. A ramp for the handicapped was installed at the northwest entrance to the house during the first Perpich administration, and the main building reroofed and tuck-pointed under the Quies. But no changes have been as dramatic or elegant as those dating to the past several years.

In 1980, the Legislature established a 15-member governor’s council to oversee the upkeep of the residence, and since 1983, Lola Perpich has personally spearheaded an effort to raise private donations of money and furniture to restore the house to its initial luster. Her skill at doing so has netted more than $1.3 million in contributions and earned her a 1989 award from the Minnesota Society American Institute of Architects.

Following recommendations made in a 1983 master plan by the

By Sandra LaWall Lipshultz
To accommodate gatherings that are too large for the house's public spaces, which include the handsome reception room (above), Edina architect Arthur Dickey designed a back-yard terrace of brick and stone that can be tented during rainy weather to provide an additional 1,800 square feet for outdoor entertaining.

Winsor/Faricy, the kitchen—at a cost of $146,000 underwritten by the Pillsbury Company—was the first area to be renovated. After nine months of demolition and reconstruction in 1984, the transformation from outdated Victorian to a facility capable of serving the 1,200 monthly visitors to the mansion was complete. And today, due to the donated services of Duluth architect Thomas Vecchi and Minneapolis interior designer Duran Thayer, commercial-grade appliances abound as do sparkling granite counter tops, cherry cabinets and black-and-white ceramic floor tiles.

In 1985, the ornate latticework that originally enhanced the stacked porches along the east side of the building was restored with the aid of old photographs. Meanwhile, at the southwest corner of the yard, the carriage house—a two-storied, brick and slate-roofed echo of the main house—also was revamped. Under the direction of Minneapolis architect Brooks Cavin, it became offices for the governor’s clerical staff.

Inside, other improvements were taking place. The dining room paneling, which had been bleached by the Irwins sometime during the 1940s or 1950s, was returned to its natural warm glow, and Wisconsin artisan Robert Walsh was asked to re-create the delicate ironwork filigree that once screened the foyer from the solarium. The tatty furniture and wall-to-wall carpeting that had been installed on the first floor during the 1960s were removed and, under Thayer’s supervision, replaced with a sophisticated mix of Irvine family heirlooms, oriental rugs and museum-quality antiques, paintings and porcelains.

Here, in a sensuous milieu of color and texture, is the heart of the
house. Here, too, is the comfortable elegance of an English country retreat. A black Steinway sits near the front door, a grandfather clock on the landing above. A Queen Anne mirror blends easily with a Chinese Chippendale breakfront, a Jacobean chest with a Hepplewhite sideboard. Even the scrolling arabesques in the plastered ceilings overhead seem tailor-made for the Persian Saruqs underfoot. One thing, however, seems to be missing—Hudson, the dutiful butler from "Upstairs, Downstairs," to pass the tea and fetch the sherry.

But if the first floor of the house exemplifies old-world charm, the lower level is all business. In the late 1980s, Edina architect Arthur Dickey was commissioned to renovate it and to create brick-and-stone terraces for the outside. Over the years, the southern and eastern sections of the foundation had been leaking, severely damaging the windows, floor and wainscoting of the basement. Space, too, was needed for the numerous events that are held in the residence weekly.

After months of enduring what looked like a "battle zone" in 1989, Dickey had converted the unusable into the functional. With only minor excavation, he positioned two new bathrooms off the central hall that are accessible to wheelchairs and accented with sleek granite floors and black fixtures. From an old storage area near the stairs, he produced a coatroom, and from Whitney's 1910 playroom and amusement room, conference and meeting rooms with raised ceilings, slate fireplaces and cherry paneling. Local designer Robert Sidenberg also selected furnishings that combine the old with the new: an oak refectory table with contemporary recessed lighting, a painted Scandinavian cupboard with modern upholstered side chairs. Only one major project remains—the installation of an elevator for the handicapped, possibly by enlarging the existing dumbwaiter shaft.

"We're always fighting for space in this building," Dickey says, "as big as it is. We've designed the terraces with this in mind, to help alleviate the stress on the interior." The upper terrace alone, which flanks the south side of the house and can be tented in rainy weather, supplies an additional 1,800 square feet for outdoor entertaining. Laid in a traditional herringbone pattern to match the original patios, it is surrounded by handsome stone balustrades and leads to the lower level—a gracious ambulatory that encircles a small fountain and will terminate in a brick-and-stone pergola inspired by an earlier gazebo out of wood. Eventually, a brick storage shed also will be constructed in a back corner of the lot, "a little Tudor structure," Dickey says, "that will reflect the main house in miniature."

Ultimately, the residence itself is a reflection—a sign of the state's hospitality and good will. It provides a genteel setting to host political functions of all kinds and to receive visiting dignitaries. Without it, such past house guests as King Olaf of Norway, Ambassador Charles Luce of France or our own President Jimmy Carter would have received a Minnesota welcome in the impersonality of a hotel reception room.

Sandra L. Lipshultz is a writer and editor on staff at the Minneapolis Institute of Arts.
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Movie makeover  This past February the house of architects Loren Ahles and Martha Yunker near Minneapolis's Lake Calhoun underwent a rapid-fire makeover as a 1970s' set piece for Lapin Productions' made-for-TV movie When Rabbit Holes, to be broadcast this May. The film, which examines a woman's struggle with multiple personalities, spans more than 30 years. The Ahles-Yunker house focuses on the 1970s when the main character, played by Shelley Long, is living with her husband and daughter.

The production company's redesign of the house could easily be viewed as a crash course in how to convert a late-'80s residential interior into a mid-'70s set. When Ahles and Yunker began remodeling their 100-year-old house seven years ago, they sought to open up the rooms and to create unobstructed passages between spaces and visual connections to the outdoors. They sparsely furnished the living room to maintain its spaciousness. It was this flow of space that attracted the filmmakers to the house.

To convert the house into a '70s-style interior, production designer Paul Peters and set decorator Martine Pineau started by thumbing through back issues of architectural journals and interior-design magazines. Rather than completely altering the living room's look, they brought in additional pieces to fill in the open space that late-'80s homeowners thrive on. Glass-top tables and acrylic accessories, popular during the '70s, were furnished, as well as an off-white couch, a high-back wing chair, several antique pieces, sheer curtains and prints by artists such as Jasper Johns and David Smith. The couple's two Corbusier chairs maintained a prominent role in the set, however, "because they definitely said 'designer lives here,'" Peters says, referring to the main characters, Norman, a graphic designer, and Trudie, a painter.

The biggest change was in the kitchen. Off came floral cabinet fronts and on went wood-grain
I Lapin Productions converted Loren Ahle's and Martha Yunker's sparingly furnished '80s living room (below) into a mid-'70s made-for-TV movie set by filling in the space with furniture and accessories typical of the era, such as glass table tops and Jasper Johns prints (left). Doorway wallpaper was tacked over the floral wallpaper. Red-pan lighting was hung above the island and a marble-topped kitchen table was replaced with a butcher block and diapered with vinyl place settings. Throughout the kitchen, appliances and access doors were big on plants. Peters says, so lots of plants were installed through the space for TV. Made-for-TV, new and '70s made-for-TV, old, and '70s made-for-TV, furnished late '80s living made-for-TV, new and '70s made-for-TV, old, and '70s made-for-TV, furnished late '80s living.
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In its Sept. 26, 1938, issue, Life magazine published an article called “Eight Houses for Modern Living,” dragging the controversy of modern vs. traditional architecture into American living rooms. Life selected four “typical” American families and for each family hired two architects—one modern, one traditional—to design a house based on the family’s needs, budget and site.

For the Albert Blackbourn family of Minneapolis, Life brought America’s two most prominent residential architects head to head: Royal Barry Wills, a traditionalist from Boston, and Frank Lloyd Wright, the modernist wunderkind of Spring Green, Wis.

Wills—the author of several best-selling plan books—was the most popular residential architect of the day. Life described his houses as “an almost perfect fulfillment of the sentimental American ideal of what a home should be.” His design for the Blackbourns faces its prominent front door squarely toward the street. Its roof swoops close to the ground to create a sense of intimacy. An overscaled chimney suggests solidity, while whitewashed brick, shutters and articulated rooms recall cozy Colonial domesticity.

Meanwhile, Wright was staging a comeback after his career collapsed in the late ’20s. His design turns its back to the street, using the house to define a private back yard. One free-flowing space, dominated by the massive central hearth, erases definition between kitchen, living and dining spaces.

Wills’ design, according to Life polls, was the most popular of the eight commissioned, but the Blackbourns bucked popular opinion and chose the Wright design, feeling that it offered a new way of living.

The Blackbourns traveled to Wright’s home, Taliesen, in Spring Green, Wis., and there financial reality intervened. Wright’s supervisory fee, the cost of his custom furnishings and uncertainty about new construction techniques pushed cost estimates beyond their budget. Reluctantly, they abandoned Wright’s design and built Wills’ scheme on their Edina lot.

Minneapolis lost a Frank Lloyd Wright house, but his design did not remain unbuilt for long. A Life reader named Bernard Schwartz bought the Blackbourn design from Wright and built it in Two Rivers, Wis., where it still stands today.

Robert Gerloff
Architect: K. C. Busch & Associates
Project: Private Residence
Falcon Heights, MN

This 2700 s.f. home is designed to fit on a flat lot. A large front porch welcomes and invites you in from the street. Inside, you'll find four bedrooms, two and a half baths, a study, kitchen, children's playroom and a large living/dining room. This latter room has a vaulted ceiling and opens to the remainder of the home. The exterior of the home has painted wood siding and trim and a wood shingle roof. For further information, contact Kevin C. Busch, AIA, at (612) 645-6675.

The Ostberg Architects
Project: Whittier C.D.C. (Falls Agency Office Building)
Minneapolis, MN

The location of the perimeter walls was defined by the site requirements. Within the vertical planes of these walls, solids and voids were developed. At the SE corner, parts of the solid are sculpted away to reveal the curved entry. Interior spaces are layered from front to back: public areas at the front, followed by circulation, then private work areas. The entry opens to a two-story gallery which allows space to flow between levels. Angled interior walls also encourage this flow of space as well as distort the visual perspective. (612) 647-9682.

The Ostberg Architects
Project: Steffes Residence
Castle Danger, MN

The design of this North Shore retreat responds to views in many directions: private, wooded views to the north and west and open range lake views to the south and east. The interior of this cedar-sided residence is oriented around a clear circulation spine: an exposed timber post and beam structure extends from the main entry on the north through the house to the main living areas and open views of Lake Superior on the south. The client was extensively involved with the design process. (612) 647-9682.

The Ostberg Architects
Project: McLaughlin Residence
Golden Valley, MN

This addition of a multi-purpose family space was designed to open up views to the lake below and to allow daylight into interior spaces while maintaining the existing traditional form. An existing stone exterior wall became an interior wall with a wood sunburst above. In Summer, french doors open to a new deck which connects to the lake below. In Winter, the natural wood floors, stone wall and wood-burning stove allow the room to become a warm, cozy retreat and family gathering place. (612) 647-9682.
conming soon

Rosemary A.
McMonigal Architects
Project: Guthrie & Johnson Residence
Minneapolis, MN

Subtle exterior changes in form, color and proportion highlight the renovation of this home on the east shore of Lake of the Isles. Extensive interior work involved converting the home from a four-plex to a single family dwelling. The design creates an open, unified layout on the first floor; a comprehensive remodeling of the second floor and attic; and the addition of a new garage. (612) 789-9377.

Rosemary A.
McMonigal Architects
Project: Capitol Child Care Center for the State of Minnesota
St. Paul, MN

This project will provide space for a child care program accommodating 85 children in a renovated office/warehouse. (612) 789-9377.

Rosemary A.
McMonigal Architects
Project: Gibson Residence on Lake Place
Minneapolis, MN

This beautiful "arts and crafts" style house is in the caring hands of Cheryl and Rick Gibson. The stained glass windows, wood mouldings, oak and ebony doors, and custom fireplace irons are some of the unique features being preserved. Careful restoration and new work enhances the details and character present in the house. (612) 789-9377.

Rosemary A.
McMonigal Architects
Project: Private Residence
Rosemount, MN

Situated atop a hill, this four bedroom house commands an overlook to the surrounding oak savanna below. (612) 789-9377.

Coming Soon announcements are placed by the firms listed. For rate information call AM at 612/338-6763
Architect: Rolf Lokensgard, AIA
Project: House On The Rum
Anoka, MN

As it is so near to the boat traffic and history of the Mississippi, this house was designed like a boat—bow, starboard, port and stern (garage). The views to the rivers, the south exposure, the neighborhood character—all contribute to the project with spirit! (612) 375-9086.

Architect: Rolf Lokensgard, AIA
Project: House Above the Mississippi
Mendota heights, MN

From a cul-de-sac in Mendota Heights, the distant Minneapolis skyline is framed through a house with a complex program and simple massing. Special attention is required for river setbacks and neighborhood views.

Architect: Rolf Lokensgard, AIA
Project: House Addition and Remodeling
St. Paul, MN

A kitchen for cooking, family dining, work area, and antique pieces of furniture, a deck, a half-bath, and a master bedroom suite with closet space is the program for this “neo-classic” house addition and remodeling. Limited lot space and a limited budget are design parameters. (612) 375-9086

Architect: Rolf Lokensgard, AIA
Townhouse Addition & Remodeling for Mary, Rolf and Samuel Lokensgard
Minneapolis, MN

An existing townhouse by Peter Kramer is expanded from two bedrooms and one-car garage to three bedrooms with master suite plus rooftop family/deck and two-car garage with a half-court basketball area. Recycled cobblestone from Minneapolis alleys is used to support the architect’s limited budget. (612) 375-9086.

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Charles R. Stinson
Architects, AIA

- Private Residence
  Builder: L. Cramer Company

- Goldberg Residence
  Builder: STREETER & ASSOC.
  Photography: Jerry Swanson

- SPRING PREVIEW HOME
  Builder: STREETER & ASSOC.

- Patrick Carney Residence
  Builder: Kopfmann Homes

Eden Prairie, MN & Stuart, FL
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Concrete is a dominant design element in the proposed home for owners of an aggregate plant. A visitor approaching the house becomes aware of massive sloped block walls rising along the building's north-south axis and terminating in a large central clerestory. (612) 439-3710

The challenge of this 22-unit townhouse project was to take full advantage of its spectacular site on the St. Croix River. The developer mandated that each unit should have substantial river views, should have a strong sense of privacy and should include significant outdoor areas. (612) 439-3710

This 50,000 s.f. office complex marks the beginning of the redevelopment of Stillwater's North Main Street area. The use of red brick, Winona travertine and copper echo materials used by earlier generations of downtown businessmen. Raising the three-story building above the flood plain takes advantage of splendid St. Croix River views while providing enclosed lower level parking. (612) 439-3710

Coming Soon announcements are placed by the firms listed. For rate information call AM at 612/338-6763
Mulfinger & Susanka Architects, Inc.
Project: Private Res.
Mendota Heights, MN
This home is set into the rim of a broad wooded marsh. A gently arched trellis entry frames the deeply eaved, shingled gable end. Light is introduced to the heart of the house by a large central skylight. Associate Michaela Mahady designed the residence. (612) 379-3037.

Mulfinger & Susanka Architects, Inc.
Project: Loken Res.
Duluth, MN
This tower, sitting room and garage are additions to a renovation of "Charmette", a house built in 1914 overlooking Lake Superior. The name is from a French Canadian poem published in 1905. Caruso dined and sang here. David Salmela, Associate (612) 379-3037.

Mulfinger & Susanka Architects, Inc.
Project: Pruitt Res.
Castle Danger, MN
This small white house with a steep red roof is carefully perched atop a 50 foot high ledgerock bluff. From its belfry at the very peak, it slopes westward towards the Encampment Island. Cheryl Fosdick Associate (612) 379-3037.

Mulfinger & Susanka Architects, Inc.
Project: Krawetz Residence
West St. Paul, MN
David Zenk, Associate (612) 379-3037

Coming Soon announcements are placed by the firms listed. For rate information call AM at 612/338-6763
The Associated Architects
Project: Grand Avenue Apartments
St. Paul, MN
This 33-unit building, consisting of studio, one and two bedroom apartments, is planned for summer 1990 construction on an urban site on Grand Avenue in St. Paul. The exterior design was developed to recall the intricate brick and stone detailing common to other apartment buildings of earlier years that line Grand Avenue, while the interior layout provides for the amenities common to apartment construction today-underground parking, elevator, individual HVAC units, and a washer/dryer in each apartment. Contact Chuck Liddy, (612) 698-0808.

The Associated Architects
Project: Single Family Home
Montcalm Place
St. Paul, MN
A small lot in an established, 50-year-old neighborhood is the site for this new house of 2800 s.f., plus additional lower level space. The design criteria were: 1) the functional needs and aesthetic experience of the users, 2) a comfortable, but not imitative, relationship to the neighborhood, and 3) maximum inclusion of proven, cost-effective technology in construction details and energy systems to build a virtually air-tight, superinsulated house without degrading the previous criteria of aesthetics or neighborhood context. Scheduled completion is June, 1990. Contact Ron Buelow, (612) 698-0808.

The Associated Architects
Project: Prototype Housing for the Developmentally Disabled
This prototype house, intended to be built initially on five sites in the St. Paul suburbs, has been designed to meet the needs of six developmentally disabled adults. Each resident enjoys the privacy of his or her own room, while sharing common living, dining, and recreational facilities. Each house also has office space for full-time staff, as well as an attached garage-large enough for a full-sized van and designed to facilitate comfortable and convenient access between vehicle and house. The house’s multiple pod design allows adaptation to varying site conditions and configurations. Contact Chuck Liddy, (612) 698-0808.

The Associated Architects
Project: Northwestern College of Chiropractic Center for Clinical Studies
Bloomington, MN
This is a 14,000 s.f. two-level clinic and office addition that includes major remodelling to the existing college building. Project criteria are: 1) to provide a distinct and significant entrance for the Center for Clinical Studies, 2) to solve internal and external circulation problems, 3) to improve administration and library facilities, and 4) to improve site identity, traffic flow and landscaping. Major renovations previously have been completed to convert the former junior high school into a college level facility. Contact Ron Buelow, (612) 698-0808.
L. E. Kollmeyer, 
Architect 
Project: Residence 
Minnetrista, MN 
Builder: Michael Homes 

Originally designed in 1910 by Architects William Gray Purcell and George Feick, this elegant example of early "Prairie School" architecture is now home to a very large extended family. The design task was to enhance the 1910 design with the 1990 lifestyle requirements of a large, athletic family: large, sophisticated, gathering, entertaining and exercise spaces combined with privacy for the visiting families with grandchildren and a luxurious master suite. (612) 942-0955.

L. E. Kollmeyer, 
Architect 
Project: Residence 
Tonka Bay, MN 

This authentic French Normandy home is the realization of a life long dream for a Minnesota businessman and his family. Of Scottish birth, this client dreamt of the quality of space and detail he had known as a child. This home is the embodiment of this vision. The major design goal was luxurious living in a traditional, architecturally distinguished home. This was accomplished by enthusiastically combining contemporary comfort and lifestyle features with the classic and timeless elegance of traditional country architecture. (612) 942-0955.

L. E. Kollmeyer, 
Architect 
Project: Aspen Villas 
Aspen, CO 

The problem posed by this project was a 26 unit condominium complex built in the early seventies before energy conservation had become a concern and before Aspen had become an international resort. The solution was an exterior renovation that solved the energy conservation problem by more than doubling the insulation value and providing a sleek, new appearance to the condominiums. Their value increased significantly - more than the cost of the improvements. (612) 942-0955.

L. E. Kollmeyer, 
Architect 
Project: Medical 
Corporate Offices 
Med-Tran, Inc. 
Eagan, MN 

A complex program of: corporate and commercial offices; warehouse, and maintenance facilities on the lower level; with difficult site and budgetary constraints has been resolved in a deceptively simple, elegant design solution. (612) 942-0955.

Coming Soon announcements are placed by the firms listed. For rate information call AM at 612/338-6763
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1718 WASHINGTON AVENUE NORTH/MINNEAPOLIS, MN 55411

news briefs
Continued from page 9

will be given stone bases that are resistant to salt and ice. The serpentine mall, designed by landscape architect Lawrence Halprin, will be reshaped to include a series of C-curves to create wider plazas on opposite sides of each block. Approximately 150 trees, including Austrian pines, will shade the mall. Original plans for the redesign of the mall by BRW Inc., included stair towers connecting the skyways with the street, but budget constraints eliminated the towers. Construction is expected to be completed by early November.

Bowties and more

From Bauhaus to Bowties, by Bette Jones Hammel, spans the 35-year history of one of Minnesota’s most renowned and largest architecture firms, Hammel Green and Abrahamson. The book traces the firm’s modest beginnings as a two-person operation with Dick Hammel and Curt Green setting up shop in Green’s basement in Golden Valley in 1953. The following year Bruce Abrahamson joined the firm, which today has grown to approximately 200 staff working in a renovated warehouse on Harmon Place in Minneapolis.

In the mid-’50s, the author relates, HGA capitalized on Minnesota’s baby boom with innovative school designs. The firm’s subsequent commissions have included other educational facilities, as well as hotels, hospitals, corporate offices and museums. Among HGA’s best-known Minnesota projects are the Piper Jaffray Tower in Minneapolis, the Science Museum of Minnesota in St. Paul and the Minnesota History Center, under construction in downtown St. Paul.

Minneapolis designer James Johnson provided the book’s fine graphic image. Available in local bookstores.
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Parkwood 8 Theatre, Waite Park, MN. Architect: Pauly, Olsen, Bettendorf, Eastwood & Assoc., Ltd., St. Cloud, MN.

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previews
Continued from page 13

technology. Washington Post writer Joel Garreau discusses “Edge Cities,” the new urban areas springing up around major cities, and architect Michael Rotundi of the Los Angeles firm Morphosis addresses future directions in design. Other speakers include AIA Gold Medalist E. Fay Jones and Eugene Kohn of Kohn Pederson Fox.

Convention highlights include an exhibition showcasing interiors of the future and the first annual Architecture Book Fair, featuring 17 publishers of books on architecture, design and construction.

For registration and a schedule of events, contact the AIA Convention Department at (202) 626-7467.

Metaphorical Fish
June 18–Aug. 5
University Art Museum
University of Minnesota, Minneapolis
Free and open to the public

Fish have served as symbols in art from ancient times to the present. Midwestern artists are no exception. “Metaphorical Fish” examines the use of fish and fishing-related imagery in the work of contemporary regional artists.

For exhibition hours call 624-9876.

The Lively Art of Han
Through July B
Minneapolis Institute of Arts
Free and open to the public

In ancient China, ceramic models of everyday objects and scenes—people, stoves, houses, watchtowers, domestic animals and farm buildings—were entombed with the dead, where they remained until archeologists unearthed them in the early part of this century. In this exhibition of 100 objects dating from 206 B.C. to 220 A.D., the story of the highly developed Han dynasty comes to life.

For more information call 870-3131.
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implications of these technologies for the West in his philosophy of social technology called "Occidental Shinto."

Mark Erickson, a marketing and product-development partner in Erickson Outdoors, rounded out the weekend with his presentation "Design Considerations for Nomadic Travel in Extreme Cold Weather." For some 20 years, Erickson has designed equipment and clothing primarily for the North Face Company and solely designed all outerwear for the Will Steger Trans-Antarctic Expedition.

For information about the 1991 Lake Superior Design Retreat call the MSAIA office at 338-6763. AM

up close
Continued from page 25

school children are allowed only one break a day for outdoor play. In Denmark, she recalls, "we were thrown out every hour for 10 or 15 minutes, in rain and snow, all year around. All the windows in the classrooms were thrown open, and when you'd go in it would be ice cold, but it would heat up again." Hospitals, she says, have balconies where patients in portable beds can be wheeled out into the sun. "You can just imagine what that might do for you to be wheeled outside into a nice sunny place. That's uplifting."

And Vaupel points to a greater awareness of and demand for quality among Scandinavians. Not only do many subscribe to design journals, but they seek out good design for everything from the most humble furnishings to the most public architecture. Design is so valued in Denmark that two of Henning Larsen's buildings—a library and a school, no less—recently were featured on Danish postage stamps. "All Danes are architects," Vaupel says. "They consider themselves designers, whether or not they are. But they have a really profound, great understanding for good design. They're not going to put up with a dishwasher, for example, that makes a lot of noise or a stove that's oversized. It wouldn't be able to be sold. When you design something in Denmark you have to be much more on your toes, because the public is much more critical. They have much more experience, not just the awareness."

And Denmark is among a number of European countries to offer innovative ideas in how to build a sense of community through architecture. Vaupel frequently lectures on a special interest she calls "experiments in building livable cities," a growing phenomenon of cooperative housing throughout Scandinavia. Groups of people pool their resources to hire an architect to design a housing cluster. Though each family maintains a private residence, there are shared facilities, such as laundry and guest rooms, and shared tasks such as child care and meal preparation.

But while she anticipates the future of design with great eagerness, Vaupel draws a good deal of inspiration from the past. She and her husband have a mutual interest in ancient architecture, often taking time out of their hectic schedules to tour the ruins of southern Europe with their two daughters. "We have a much longer history of building in Europe. I was married in a cathedral that was built a thousand years ago. It's an incredible thought."

Perhaps this lesson of longevity, of design commitment, is the most important message that such design ambassadors as Vaupel can relay. "When a company builds a building in Europe, they write on it their name and the year," she says. "It's engraved on a stone. There's a commitment, a long-term commitment."
This year's distinguished panel will speak about design topics that have been on their minds for years.

This year, some of today's most prominent minds will be reverting to their childhood in the International Design Conference in Aspen. "Growing By Design" will explore the important relationship between design and children.

Speakers will include Jerome S. Bruner, Ved Mehta, Peter Calthorpe, Roger Hart, Geraldine Laybourne, and Kenneth Brecher, to name a few. In addition there will be exhibits, workshops, seminars, as well as an additional program for children.

To register for this year's conference, send in the form below.

International Design Conference in Aspen,
June 17 - 22, 1990

□ $575: Regular Registration Fee
□ $325: One Additional Adult Household Companion □ $75: Children (7 - 17)
□ $150: Full-time Students (photocopy of current I.D. required)

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### AIA
American Institute of Architects

### AICP
American Institute of Certified Planners

### ASID
American Society of Interior Designers

### ASLA
American Society of Landscape Architects

### CSI
Construction Specifiers Institute

### FAIA
Fellow of the AIA

### IBD
Institute of Business Designers

### PE
Professional Engineers

### RLS
Registered Land Surveyors

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- Robert H. Rego AIA
- Paul R. Youngquist AIA
- Robert E. Abendroth

- Firm Personnel by Discipline: Architectural 12, Administrative 3, Total in Firm 15
- Work %
  - Office Bldgs./Banks 5
  - Medical/Health 10
  - Churches/Worship 10
  - Education/Academic 75
  - Hastings Elementary School, MN; Monticello Middle School, MN; Salk Rapids Middle School, MN; Minnesota State High School League Headquarters, Brooklyn Center, MN; Yankton Medical Clinic, SD; Maple Lake Elementary School, MN.

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612/920-9020
Fax: 612/920-4999

Established 1955

- Sanders M. Ackerberg AIA
- Douglas P. Watchke

- Firm Personnel by Discipline: Architectural 2, Interiors 1, Other Technical 3, Administrative 3, Total in Firm 9
- Housing/Multiple 10
- Office Bldgs./Banks 23
- Industrial/Mfg. 15
- Medical/Health 20
- Interior Architecture 25

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#### ALAN G. ADAMS, ARCHITECT
8099 Midwest Federal Bldg.
Duluth, MN 55802
218/724-5678

Established 1985

- Alan G. Adams AIA

- Work %
  - Residences/New & Renov. 15
  - Retail/Commercial 15
  - Industrial/Mfg. 20
  - Churches/Worship 30
  - Restor/Preservation 20
  - Addition, Lake County Court House, Two Harbors, MN; Revisions, St. Louis County Courthouse, Duluth, MN; Addition, Penfield Super Valu, Duluth, MN; ShirtShack II, Duluth, MN; Miller Hill Steel Mfg. Building, Herman Town, MN.

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#### ADAPTURE INC.
341 East Kellogg Boulevard
St. Paul, MN 55101
612/224-4765

Established 1984

- June S. Lundgren AIA
- Cherry G. Lundgren

- Firm Personnel by Discipline: Architectural 1, Interior Designers 2, Other Technical 1, Total in Firm 3
- Housing/Multiple 10
- Office Bldgs./Banks 10
- Industrial/Mfg. 10
- Interior Architecture 75
- Shoreview Plaza Hotel, Shoreview, MN; Oak Park Townhomes, Inver Grove Heights, MN; Lundgren-Mahmood: Residence, Mpls., MN.

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#### THE ADKINS ASSOCIATION, INC.
901 Jefferson Ave.
St. Paul, MN 55102
612/224-1358

Established 1958

- Roger W. Sjobeck AIA
- Patrick F. Quinn AIA

- Firm Personnel by Discipline: Architectural 5, Administrative 1, Total in Firm 6
- Housing/Multiple 5
- Office Bldgs./Banks 5
- Retail/Commercial 5
- Industrial/Mfg. 15
- Churches/Worship 30
- Municipal 5
- Interior Architecture 10
- Education/Academic 25
- Churches/Worship 10
- Education/Academic 10
- The Anderson-Frederickson Church, Apple Valley, MN; Addition, Lake County Court House, Two Harbors, MN; Revisions, St. Louis County Courthouse, Duluth, MN; Addition, Penfield Super Valu, Duluth, MN; Miller Hill Steel Mfg. Building, Herman Town, MN; Shepard of the Valley Lutheran Church, Apple Valley, MN; Forest Lake City Hall Additions, Forest Lake, MN; Adams Elementary School, St. Paul; Conway Heights Community Recreation Center, St. Paul; Eagan Evangelical Covenant Church, Eagan, MN; Fiber Optics Bldg., US West Communications.

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#### THE ALLIANCE
400 Clifton Ave. So.
Minneapolis, MN 55403
612/726-9012
Fax: 612/871-7212

Established 1970

- John W. Lackens, Jr. FAIA
- Herbert A. Ketcham, Jr. FAIA
- Carl J. Remick, Jr. AIA
- Donald L. Hammer AIA
- Thomas J. DeAngelo AIA

- Firm Personnel by Discipline: Architectural 41, Interior Designers 7, Other Technical 9, Administrative 7, Total in Firm 64
- Office Bldgs./Banks 40
- Retail/Commercial 10
- Restoration/Preservation 5
- Municipal 5
- Interior Architecture 15
- Airport 20
- Education/Academic 5
- IDS Operations Center, Mpls.; Normandale Community College Classroom Building, Bloomington, MN; Metropolitan Airports Commission Vertical Circulation System; Southdale and Rosedale Shopping Center Renovations, Edina and Roseville, MN; Cray Research Lone Oak Project, Eagan, MN; The St. Paul Companies Home Office Interiors, St. Paul, MN.

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#### ALPHA ARCHITECTS, INC.
1080 West County Rd. E.
Shoreview, MN 55126
612/483-3131
Fax: 612/483-8893

Established 1980

- Gunnar F. Unger, Jr. AIA

- Firm Personnel by Discipline: Architectural 4, Administrative 1 1/2, Total in Firm 5 1/2
- Office Bldgs./Banks 15
- Industrial/Mfg. 5
- Medical/Health 50
- Churches/Worship 10
- Education/Academic 10
- Interior Architecture 10
Good business sense recognizes the value of good architecture. And that's why Minnesota's fine architectural firms are so frequently engaged. Whether your business sense calls for designing a house, school, church, factory, or office building, you name it; the place to start is with the firms listed on the following pages. Typically, over the course of a building's 20-year life cycle (and most buildings last much longer!), the cost of an architect's design and planning guidance is less than one-tenth of one percent of the total cost connected with that building's construction, ongoing maintenance, operation, and use. Your architect's thoughtfulness and expertise comes at the very beginning of your building project, at its conception. Selection of one of the firms presented in this directory can make a significant difference in the quality and life cost of your building project often off-setting the initial cost of services provided. These Minnesota firms are managed by architects who have chosen to be members of their professional fraternity, The American Institute of Architects. The size, experience and specific design services of these firms may vary, but they are all dedicated to meeting your building design and planning needs. If you have any questions about architectural services or how to select an architect, Beverly Hauschild and Peter Rand, AIA, our Executive Vice Presidents, will be pleased to help. Feel free to call them or write for additional materials.

Gary Mahaffey, AIA
President
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<td>Architectural Coalition, Inc.</td>
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**MAY/JUNE 1990** 85
## ARCHITECTURAL RESOURCES, INC.

704 East Howard St.  
Box 788  
Hibbing, MN 55746  
218/263-6868  
Established 1971  
William H. Moser AIA  
Douglas Hildenbrand AIA  
Parnell C. Satre PE  
Kent Worley ASLA  
Steven McNeill AIA  
Lyle Peters AIA  
Earl Thedens LA  
Firm Personnel by Discipline  
Architectural 15  
Engineering 8  
Landscape Architects 3  
Planners 1  
Administrative 6  
Total in Firm 33

<table>
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<tr>
<th>Work %</th>
<th>Residential/New &amp; Remod</th>
<th>Churches/Worship</th>
<th>Education/Academic</th>
<th>Programming/Planning</th>
<th>Whitewater Valley Visitor Center, St. Charles, MN; Minneapolis Club Remodeling, Mpls., MN; Farber Residence, Golden Valley, MN; Addition to Church of St. Hedwig, Mpls., MN; Shapiro Residence, San Diego, CA; Lintunen Residence, Helsinki, Finland.</th>
</tr>
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## ARCHITECTURE STUDIO DESNICK & ISENBERG

118 East 26th Street  
Minneapolis, MN 55404  
612/870-7077  
Baalinen, Finland  
Anthony S. Desnick AIA  
Jay H. Isenberg AIA  
Firm Personnel by Discipline  
Architectural 3  
Administrative 1  
Total in Firm 4

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<th>Work %</th>
<th>Housing/Multiple</th>
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<th>Retail/Commercial</th>
<th>Industrial/Mfg.</th>
<th>Churches/Worship</th>
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<th>Interior Architecture</th>
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## THE ASSOCIATED ARCHITECTS

241 South Cleveland  
St. Paul, MN 55105  
612/698-0808  
Established 1961  
Ronald W. Buelow AIA  
Charles D. Liddy, Jr. AIA  
Firm Personnel by Discipline  
Architectural 8  
Administrative 1  
Total in Firm 9

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## BAKER ASSOCIATES, INC.

514 Nicollet Mall, Suite 420  
Minneapolis, MN 55402  
612/339-8601  
Established 1959  
Edward F. Baker AIA  
Jonathan D. Baker AIA  
Firm Personnel by Discipline  
Architectural 5  
Administrative 4  
Total in Firm 9

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<th>Housing/Multiple</th>
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## ARMSTRONG, TORSETH, SKOLD AND RYDEEN, INC.

4901 Olson Memorial Highway  
Minneapolis, MN 55422  
612/545-3731  
Fax: 612/545-8090  
Established 1944  
James E. Rydeen AIA  
Kenneth E. Grabow AIA  
William V. Snyder AIA  
Paul L. Snyder AIA  
Dan C. Moll AIA  
Paul W. Erickson AIA  
Firm Personnel by Discipline  
Architectural 46  
Engineering 13  
Landscape Arch. 1  
Interiors 2  
Other Technical 25  
Administrative 8  
Total in Firm 70

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<th>Work %</th>
<th>Churches/Worship</th>
<th>Education/Academic</th>
<th>Corrections/Recreation/Senior Housing</th>
<th>Maple Grove Junior High School, Osseo Schools; Hennepin Senior High School, Anoka Schools; Hennepin Avenue Methodist Remodeling, Mpls., MN; Talahi, Oak Hill and Discovery Elementary, St. Cloud, MN; Zion Lutheran Church, Buffalo, MN; College Memorial Library Addition, Mankato, MN.</th>
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### Dennis Batt & Assoc.
6860 Shingle Creek Pkwy.
Minneapolis, MN 55430
612/560-6814
Established 1976

- Dennis Batt, AIA
- Firm Personnel by Discipline
  - Architectural: 2
  - Engineering: 1
  - Other Technical: 3
  - Administrative: 2
- Total in Firm: 8

- Work %
  - Residences/New & Remodel: 5
  - Office Bldgs./Banks: 5
  - Industrial/Mfg.: 5
  - Churches/Worship: 80
  - Education/Academic: 5

- Bloomington Assemblies of God Church, MN; Wayzata Evangelical Free Church, MN; Hdiqtrs. Bldg. Minnesota Conference Seventh Day Adventists, Maple Grove, MN; Oak Creek Assembly of God, Milwaukee, WI; Evangel Temple, Bismark, ND; People's Church, Salem, OR.

### Bernstein Associates Architects-Planners
1621 N. Pennsylvania Ave.
Minneapolis, MN 55427
612/544-7229
Established 1967

- Sheldon J. Bernstein, AIA
- Firm Personnel by Discipline
  - Architectural: 1
  - Administrative: 2
- Total in Firm: 2

- Work %
  - Housing/Multiple: 30
  - Industrial/Mfg.: 35
  - Retail/Commercial: 35
  - Woodworkers Store, Mpls., MN; Harriet Place, Apt./Condo Rehab, Mpls.; PR Industries Manufacturing Plant & Office, Chaska, MN.

### A.J. Berreau & Associates, Inc.
1220 Glenwood Ave.
Minneapolis, MN 55405
612/377-8314
Established 1972

- Alfred J. Berreau, AIA
- Firm Personnel by Discipline
  - Architectural: 2
  - Engineering: 1
  - Administrative: 1
- Total in Firm: 4

- Work %
  - Housing/Multiple: 2
  - Industrial/Mfg.: 5
  - Restoration/Preservation: 5
  - Medical/Health: 5
  - Schwann's, Marshall, MN; Marigold Dairy, Rochester, MN, Crowley, NY; Dairymen's, CA.

### Blumentals/Architecture Inc.
6205 Earl Brown Dr., Ste. 120
Brooklyn Center, MN 55430
612/561-5757
Established 1976

- Janis Blumentals, AIA
- Sue Blumentals, AIA
- Firm Personnel by Discipline
  - Architectural: 5
  - Administrative: 1
- Total in Firm: 6

- Work %
  - Housing/Multiple: 40
  - Residences/New & Remodel: 10
  - Office Bldgs./Banks: 10
  - Retail/Commercial: 10
  - Industrial/Mfg.: 10
  - Restoration/Preservation: 20
  - Rehabilitation and redevelopment of Earle Brown Farm (with Winsor/Faricy), Brooklyn Center, MN; Earle Brown Commons/Elderly Apartments, Brooklyn Center, Alden Pond Townhomes, Eagan, MN; Edina Realty/Metropolitan Federal Bank, Burnsville, MN; McDonald's at Abbott-Northwestern Hospital, Mpls.; Divine Residence, Mendota Heights, MN.

### Boorman Associates Inc.
222 Second Street North
Minneapolis, MN 55401
612/339-3752
Fax: 612/339-6212
Established 1978

- Jack Boorman, AIA
- David Kroos, AIA
- Firm Personnel by Discipline
  - Architectural: 6
  - Engineering: 3
  - Interior Designers: 3
  - Other Technical: 3
  - Administrative: 5
- Total in Firm: 20

- Work %
  - Housing/Multiple: 5
  - Office Bldgs./Banks: 20
  - Industrial/Mfg.: 10
  - Medical/Health: 5
  - Education/Academic: 5
  - Municipal: 5
  - MTS Corp. Headquarters/Training Center, Marquette Bank Master Plan, Mpls.; Bloomington Municipal Master Plan, Bloomington, MN; Minnetonka Fire Station 3, Minnetonka, MN; Group Health, Metro Area, MN; Champlin Municipal Center, Champlin, MN.

### Bonestroo, Rosene, Anderek and Associates, Inc.
2333 West Trunk Highway 36
St. Paul, MN 55113
612/636-4600
800-666-6573
Established 1956

- Otto Bonestroo, PE
- Robert Rosene
- Robert Russeke, AIA
- Firm Personnel by Discipline
  - Architectural: 3
  - Engineering: 46
  - Planners: 1
  - Other Technical: 40
  - Administrative: 15
- Total in Firm: 105

- Work %
  - Office Bldgs./Banks: 5
  - Industrial/Mfg.: 5
  - Medical/Health: 10
  - Churches/Worship: 5
  - Municipal: 70
  - Interior Arch.: 5
  - Ramsey County Parks and Recreation Bldg., Maplewood, MN; St. Croix Orthopedics Sportsmedicine Center, Stillwater, MN; Waukesha County Ice Arena, Brookfield, WI; River Falls Public Works, Public Utility Building, River Falls, WI; Oak Park Heights City Hall, MN.

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MAY/JUNE 1990 87
BORDON HENNEMUTH
ARCHITECTS, LTD.
7300 France Ave. So., Suite 202
Minneapolis, MN 55424
612/832-3582
Established 1988
William H. Henemuth AIA
Gregory J. Bordon AIA
对 Firm Personnel by Discipline
Architectural 2
Administrative 1/2
Total in Firm 2 1/2

BOWERS, BRYAN AND FEIDT ARCHITECTS, INC.
475 N. Cleveland Ave., Suite 200
St. Paul, MN 55104
612/644-1586
Fax: 612/647-9635
Established 1986
David P. Bowers AIA
A. David Bryan AIA
Daniel H. Feidt AIA
对 Firm Personnel by Discipline
Architectural 7
Administrative 1
Total in Firm 8

D. S. BREWER AND ASSOCIATES, INC.
250 Crown Plaza,
100 Portland Ave.
Minneapolis, MN 55401
612/338-8908
Established 1986
Daniel S. Brewer AIA
对 Firm Personnel by Discipline
Architectural 1
Total In Firm 1

BRADLEY & ASSOCIATES, INC.
1229 Thomas Avenue North
Minneapolis, MN 55411
612/388-9106
Established 1987
Randall Bradley AIA
对 Firm Personnel by Discipline
Architectural 1
Other Technical 1
Administrative 1
Total in Firm 3
Office Bldg./Banks 10
Retail/Commercial 25
Industrial/Mfg. 35
Interior Architecture 10
Planning/Programming 20

BRW ARCHITECTS, INC.
(An Affiliate of the BENNETT, RINGROSE, WOLSFELD, JARVIS, GARDNER, INC. Group)
5337 Excelsior Blvd., Suite 500
Minneapolis, MN 55415
612/370-0700
Fax: 612/370-1378
Denver, Phoenix, Tucson, San Diego
Established 1956/1989
David J. Bennett AIA
Craig A. Amundsen AIA, AICP
Dennis J. Sutliff AIA
Peter E. Jarvis AICP
对 Firm Personnel by Discipline
Architectural 37
Engineering 90
Landscaping Architects 45
Planners 60
Other Technical 79
Administrative 62
Total in Firm 373

CHARLES BROWN, ARCHITECT
514 America Avenue
Bemidji, MN 56601
218/759-2305
Fax: 218/751-2285
Established 1988
Charles L. Brown AIA
James T. Lucachick AIA
对 Firm Personnel by Discipline
Architectural 2
Total in Firm 2

The Conservatory on Nicollet.
Mpls., MN; Scanticon Conference Center, Plymouth, MN;
Dinken Student Housing, University of Minnesota, Mpls,
MND Centennial Lakes, Mixed Use, Edina, MN; Peoria
Municipal Complex, Phoenix, AZ; The New Nicollet Mall, Mpls.
### BUETOW & ASSOCIATES, INC.

- 2345 N. Rice St., Suite 210
- Roseville, MN 55113
- 612/483-6701
- Established 1920

- Thomas W. Dunwell: AIA
- Farrell F. Johnson
- Modris M. Feders: AIA
- Randy L. Engel

**Firm Personnel by Discipline**

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**Total in Firm: 17**

- Housing/Multiple: 10
- Office Bldgs./Banks: 20
- Retail/Commercial: 20
- Industrial/Manufacturing: 25
- Churches/Worship: 10
- Municipal: 25
- Interior Arch.: 10
- Education/Academic: 10
- Clean Rooms/High Tech: 10
- Construction Coordination: 25
- Food Processing/Cold Storage: 10

### ROBERT DAVID BUROW ARCHITECTS, INC.

- 750 South Plaza Dr.
- Mendota Heights, MN 55120
- 612/454-8503
- Fax: 612/454-4307
- Established 1977

- Robert D. Burow: AIA

**Firm Personnel by Discipline**

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**Total in Firm: 7**

- Housing/Multiple: 5
- Office Bldgs./Banks: 35
- Retail/Commerical: 10
- Restorations: 5
- Churches/Worship: 45

### K. C. BUSCH AND ASSOCIATES

- 2301 Como Avenue, Suite 100
- St. Paul, MN 55108
- 612/645-6765
- Established 1988

- Kevin C. Busch: AIA

**Firm Personnel by Discipline**

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**Total in Firm: 2**

- Housing/Multiple: 10
- Residences/New & Remodel: 15
- Office Bldgs./Banks: 10
- Retail/Commercial: 25
- Churches/Worship: 30
- Interior Arch.: 10
- Holy Cross Lutheran Church Addition, Oakdale, MN; Park Crossing Retail Center, St. Paul, MN; Galilee Lutheran Church Addition, Roseville, MN; Tide & Performance Co. Office Building Renovation, St. Paul, MN; Busch Residence, St. Paul, MN; South Wabasha Housing and Day Care, St. Paul, MN.

### CARLSEN & FRANK ARCHITECTS

- 400 Sibley St., Suite 500
- St. Paul, MN 55101
- 612/222-3701
- Fax: 612/222-3701
- Established 1951

- Fritz C. Rohkohl: AIA
- Lloyd F. Bergquist: AIA
- Wilford F. Johnson: AIA
- C. Jay Sleiter: AIA

**Firm Personnel by Discipline**

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**Total in Firm: 78**

- Office Bldgs./Banks: 10
- Medical/Health: 45
- Churches/Worship: 10
- Municipal: 10
- Interior Architecture: 15
- Education/Academic: 10

- Minnesota State Bank, St. Paul, MN; Olin Science Hall, Gustavus Adolphus College, St. Peter, MN; Mendota Country Club, Mendota Heights, MN; Shoreview City Hall & Community Center, MN; Methodist Hospital Cancer Center, St. Louis Park, MN; Minnesota Correctional Facility, Faribault, MN.

### BWBR ARCHITECTS

- 482 Dayton Ave.
- St. Paul, MN 55102
- 612/227-4576
- Fax: 612/227-3501
- Established 1983

- Peter Carlsson: AIA
- Sylvia Frank: AIA

**Firm Personnel by Discipline**

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Total in Firm</th>
</tr>
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<tbody>
<tr>
<td>Architectural</td>
<td>2</td>
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<tr>
<td>Administrative</td>
<td>2</td>
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</tbody>
</table>
| Housing/Multiple: 20
- Residences/New & Remodel: 20
- Office Bldgs./Banks: 25
- Interior Arch.: 35
- Roland Pond Center, Minnetonka, MN; Timm Residence, Deephaven, MN; Lily Residence, St. Paul, MN; Cathedral Corners Apartments, St. Paul, MN; American Lung Association of MN, Bldgs. and Interiors, St. Paul; Spantek Division of UMP Office remodeling, Hopkins, MN.

### RICHARD J. CARLSON ARCHITECTS

- 2116 Second Avenue South
- Minneapolis, MN 55404
- 612/870-4563
- Established 1987

- Richard J. Carlson: AIA

**Firm Personnel by Discipline**

<table>
<thead>
<tr>
<th>Discipline</th>
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</tr>
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<tbody>
<tr>
<td>Architectural</td>
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<tr>
<td>Administrative</td>
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</table>
| Housing/Multiple: 10
- Residences/New & Remodel: 10
- Office Bldgs./Banks: 20
- Retail/Commercial: 20
- Medical/Health: 20
- Restoration/Preservation: 10
- Education/Academic: 10

- Vicksburg Plaza Office/Retail Center, Plymouth, MN; Univ. of MN Pediatrics Infectious Diseases Facility, Mayo Bldg, Mpls, MN; Univ. of MN, Institute of Human Genetics Phase II Expansion; Formanek Apartments, Bloomington, MN; Pejuta Haka District Center, Ogala College, Kyle, SD; Chaska Mill restoration, MN.

### CARLSON MJORD ARCHITECTURE LTD.

- 4100 Excelsior Blvd.
- Minneapolis, MN 55416
- 612/922-6677
- Fax: 612/922-6933
- Established 1977

- Bruce M. Carlson: AIA

**Firm Personnel by Discipline**

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Total in Firm</th>
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<tbody>
<tr>
<td>Architectural</td>
<td>13</td>
</tr>
<tr>
<td>Administrative</td>
<td>3</td>
</tr>
</tbody>
</table>
| Residences/New & Remodel: 5
- Retail/Commercial: 25
- Industrial/Mfg: 20
- Municipal: 15
- Churches/Worship: 10
- Education/Academic: 15

- Good Samaritan United Methodist Church, Edina, MN; Arndt Science Bldg, Concordia College, St. Paul, MN; Musicland Stores, Nationwide; Pharmacology Remodeling, University of Minnesota, Mpls; DeVAC Manufacturing, Medina, MN; Butterfly Knoll (residence), Lake Minnetonka, MN.
CLOSIE ASSOCIATES, INC.
3101 East Franklin Ave.
Minneapolis, MN 55406
612/339-0979
Fax: 612/339-0976
Established 1938
W. Garman Hargens AIA
Elizabeth S. Close FAIA
Winston A. Close FAIA
Firm Personnel by Discipline
Architectural 8
Administrative 1
Total in Firm 9

Housing/Multiple 20
Residences/New & Remodel 20
Medical/Health 20
Churches/Worship 10
Education/Academic 20
Solar/Earth Shelter 10
Dartmouth Place Townhouses, Minneapolis, MN; International School of Minnesota, Eden Prairie, MN; Ronald McDonald House, Minneapolis, MN; Ray Residence, Deephaven, MN; Music School, University of Minnesota, Minneapolis, MN; Children’s Hospital, St. Paul, MN.

COLLINS/HANSEN ARCHITECTS
126 Third St. N., Suite 305
Minneapolis, MN 55401
612/338-8181
Fax: 612/338-0007
Established 1985
Michael P. Collins AIA
Merle Hansen
Firm Personnel by Discipline
Architectural 3 1/2
Total in Firm 3 1/2

Residences/New & Remodel 15
Restoration/Preservation 5
Education/Academic 45
Industrial/Mfg. 30
Interior Architecture 5
Grist Mill Co., Employee Facility, Lakeville, MN; Weyerhaeuser Hall Remodeling, Macalester College, St. Paul, MN; Carnegie Hall Remodeling, Macalester College, St. Paul, MN; Grist Mill Company Manufacturing Plant, Hopkinsville, KY; Amoco Operations Building Remodeling, Roseville, MN; Yock Cabin, Spicer, MN.

JAMES M. COOPERMAN & ASSOCIATES, INC.
9800 Sheldar Parkway, Suite 102
Minneapolis, MN 55441
612/344-9420
Established 1962
James Cooperman AIA
John Collins
Firm Personnel by Discipline
Architectural 5
Administrative 1
Total in Firm 6

Housing/Multiple 50
Residences/New & Remodel 5
Retail/Bldgs./Banks 20
Commercial 5
Industrial/Mfg. 20
The Cliffs Apartments, Minnetonka, MN; PSM Company, Plymouth, MN; Champion Auto Stores office/warehouse, Plymouth, MN; Vicksburg Apartments, Plymouth, MN; Hinton Heights Apartments, Cottage Grove, MN; United Parcel Service, St. Paul, MN.

GEORGE F. CUNDY & ASSOCIATES
348 Prior Ave. North
St. Paul, MN 55104
612/646-3268
Established 1985
George F. Cundy AIA

Housing/Multiple 15
Residences/New & Remodel 50
Office Bldgs./Banks 25
Retail/Commercial 10
Como Northtown Credit Union, St. Paul, MN; Fiero Residence, Woodbury, MN; Cottage Grove Optical/Mr. Movies, Cottage Grove, MN; Olson Residence, North Oaks, MN; Erickson Residence, Woodbury, MN; Yates Residence, Oakdale, MN.

CORNWIN, SEPPANEN & ASSOCIATES, INC.
2694 E. 19th Ave.
North St. Paul, MN 55109
612/777-2766
Established 1952
Ralph D. Corwin AIA

Education/Academic 100
Re-Roofing Schools, I.S.D. #622, N. St. Paul, Maplewood, Oakdale, MN.

CORDING, NATWICK, HILBERT ARCHITECTS, INC.
7300 W. 147th Street
Apple Valley, MN 55124
612/431-4433
Established 1958
John R. Natwick Wayne G. Hilbert AIA

Firm Personnel by Discipline
Architectural 4
Administrative 1
Total in Firm 5

Housing/Multiple 5
Office Bldgs./Banks 20
Retail/Commercial 5
Industrial/Mfg. 15
Churches/Worship 20
Municipal 15
Education/Academic 5
Recreational 10
Interior Arch. 5
Wadena Law Enforcement Center, MN; Industrial Service Facility, Des Moines, IA; Municipal Liquor Store #1, Apple Valley, MN; St. Andrew’s Lutheran Church, Grand Rapids, MN; Dakota Electric Association Remodeling, Farmington, MN; Messiah Lutheran Church, Hoffman, MN.
John W. Cunningham  
John H. Hamilton  
John E. Quiter  
Firm Personnel by Discipline  
Architectural 16  
Other Technical 1  
Administrative 2  
Total in Firm 19

Housing/Multiple 5  
Office Bldgs./Banks 10  
Retail/Commercial 10  
Medical/Health 5  
Churches/Worship 15  
Restoration/Preservation 15  
Education/Academic 35  
Interior Arch. 5  

Eden Prairie High School remodel & addition, Eden Prairie, MN; Oak Point Intermediate School, Eden Prairie; House of Prayer Retreat Center, St. John's Univ., Collegeville, MN; The Whitney Block, Mpls., MN.

John Scott  
Darryl Booker  
Firm Personnel by Discipline  
Architectural 10  
Planners 1  
Administrative 2  
Total in Firm 13

Housing/Multiple 5  
Residences/New & Remodel 5  
Office Bldgs./Banks 10  
Retail/Commercial 10  
Industrial/Mfg. 5  
Medical/Health 5  
Churches/Worship 2  
Restoration/Preservation 15  
Municipal 10  
Interior Architecture 5  
Solar/Earth Sheltered 32  
Education/Academic

Growth Chamber, Ironworld, Chisholm, MN; Sas Brothers Conservatory, Univ. of MN, Duluth; St. Francis Nursing Home Expansion; Women's Transitional Housing; Veterans Health Care Facility; Silver Bay; Fond du Lac Community College, Cloquet, MN.

CUNNINGHAM ARCHITECTS
210 North Second St., Suite 100  
Minneapolis, MN 55401  
612/332-0224  
Fax: 612/332-6132  
Established 1968

John W. Cunningham  
John H. Hamilton  
John E. Quiter  
Firm Personnel by Discipline  
Architectural 16  
Other Technical 1  
Administrative 2  
Total in Firm 19

Housing/Multiple 5  
Office Bldgs./Banks 10  
Retail/Commercial 10  
Medical/Health 5  
Churches/Worship 15  
Restoration/Preservation 15  
Education/Academic 35  
Interior Arch. 5  

Eden Prairie High School remodel & addition, Eden Prairie, MN; Oak Point Intermediate School, Eden Prairie; House of Prayer Retreat Center, St. John's Univ., Collegeville, MN; The Whitney Block, Mpls., MN.

John Scott  
Darryl Booker  
Firm Personnel by Discipline  
Architectural 10  
Planners 1  
Administrative 2  
Total in Firm 13

Housing/Multiple 5  
Residences/New & Remodel 5  
Office Bldgs./Banks 10  
Retail/Commercial 10  
Industrial/Mfg. 5  
Medical/Health 5  
Churches/Worship 2  
Restoration/Preservation 15  
Municipal 10  
Interior Architecture 5  
Solar/Earth Sheltered 32  
Education/Academic

Growth Chamber, Ironworld, Chisholm, MN; Sas Brothers Conservatory, Univ. of MN, Duluth; St. Francis Nursing Home Expansion; Women's Transitional Housing; Veterans Health Care Facility; Silver Bay; Fond du Lac Community College, Cloquet, MN.

DAHLBERG ARCHITECTS, INC.
3851 Vandaun Road  
Minnetonka, MN 55345  
612/476-6108  
Established 1989

James V. Dahlberg  
Firm Personnel by Discipline  
Architectural 1/2  
Total in Firm 1 1/2  
Various projects of Retail/Commercial, Office Bldgs., and Automotive Centers.

PAUL DAHLBERG ARCHITECTS
6664 East River Road  
Minneapolis, MN 55432  
612/572-9091  
Established 1988

Paul A. Dahlberg  
Firm Personnel by Discipline  
Architectural 10  
Residences/New & Remodel 15  
Office Bldgs./Banks 5  
Retail/Commercial 5  
Industrial/Mfg. 65  
Municipal Bldgs. 5

Other Technical 1  
Architectural 1  
Restoration/Preservation 10  
Medical/Ti.ealth 5  
Municipal Bldgs. 5

Established 1935

DAMBERG, SCOTT, PECK & BOOKER INC.
600 E. Superior St., Suite 402  
Duluth, MN 55802  
218/727-2626  
417 Second Street South  
Virginia, MN 55792  
218/741-7962  
Established 1933

John Damberg  
John Scott  
Darryl Booker  
Firm Personnel by Discipline  
Architectural 10  
Planners 1  
Administrative 2  
Total in Firm 13

Housing/Multiple 5  
Residences/New & Remodel 5  
Office Bldgs./Banks 10  
Retail/Commercial 10  
Industrial/Mfg. 5  
Medical/Health 5  
Churches/Worship 2  
Restoration/Preservation 15  
Municipal 10  
Interior Architecture 5  
Solar/Earth Sheltered 32  
Education/Academic

Growth Chamber, Ironworld, Chisholm, MN; Sas Brothers Conservatory, Univ. of MN, Duluth; St. Francis Nursing Home Expansion; Women's Transitional Housing; Veterans Health Care Facility; Silver Bay; Fond du Lac Community College, Cloquet, MN.

DAVID C. DARRELL INC.
4812 Larkspur Lane  
Edina, MN 55435  
612/929-3682  
Established 1973

David C. Darrell  
Firm Personnel by Discipline  
Architectural 2  
Residences/New & Remodel 15  
Office Bldgs./Banks 5  
Retail/Commercial 10  
Industrial/Mfg. 43  
Churches/Worship 10

Established 1988

THE DESIGN PARTNERSHIP, LTD., ARCHITECTS
124 N. First Street  
Minneapolis, MN 55401  
612/338-8889  
Established 1972

William C. Anderson  
Darrell D. Anderson  
Victor B. Perlbachs  
Firm Personnel by Discipline  
Architectural 6  
Interior Designers 1  
Other Technical 3  
Administrative 2  
Total in Firm 12

Housing/Multiple 10  
Office Bldgs./Banks 55  
Retail/Commercial 5  
Industrial/Mfg. 5  
Restoration/Preservation 10  
Municipal 5  
Interior Arch. 10

IBM Mid America Employees Federal Credit Union, Rochester, MN; American Registry of Radiologic Technologists, Mendota Heights, MN; IBM Business Campus/Building 664, Rochester, MN; First Federal Banking and Savings Renovation, Bemidji, MN, River Plaza Apartment Homes, Eau Claire, WI.

Raymond R. Raffel  
Firm Personnel by Discipline  
Architectural 5

Residences/New & Remodel 25  
Office Bldgs./Banks 20  
Industrial/Mfg. 20  
Churches/Worship 20  
Interior Architecture 10  
Solar/Earth Shelter 5

Established 1979

ARThUR DICkey ARCHITECTS, INC.
4930 France Ave. South  
Minneapolis, MN 55410  
612/920-1993  
Fax: 612/920-3950  
Established 1962

Arthur H. Dickey  
Mary B. Hustad  
Firm Personnel by Discipline  
Architectural 5

Residences/New & Remodel 6  
Office Bldgs./Banks 20  
Retail/Commercial 20  
Industrial/Mfg. 20  
Restoration/Preservation 10  
Municipal 30

Established 1979

Inver Grove Heights Fire Station No. 1, MN; Jerry's Enterprises Retail/Office Tower, Edina, MN; NCO Club & Dining Hall, Mpls.-St. Paul Airport, MN; Governor's Residence Remodel/Restoration, St. Paul, MN; Hennepin County Medical Center A-9 Office Space, Mpls, MN; Midwest Importers of Cannon Falls, Inc. Office Addition, Cannon Falls, MN.
DOVLIS JOHNSON & RUGGIERI, INC.
1121 E. Franklin Avenue
Minneapolis, MN 55404
612/871-6610
Established 1985
Dean J. Dovolis AIA
Brian R. Johnson AIA
John V. Ruggieri ASLA
Firm Personnel by Discipline
Architectural 5
Landscape Architects 1
Other Technical 2
Administrative 2
Total in Firm 11

EKBERT ASSOCIATES, INC.
2140 Spruce Trail
Minneapolis, MN 55422
612/358-6388
Established 1974
Erland Ekberg, Jr. AIA
Firm Personnel by Discipline
Housing/Multiple 5
Office Bldgs./Banks 20
Industrial/Mfg. 50
Churches/Worship 20
Interior Arch. 5
Work %

ELLERBE BECKET, INC.
One Appletree Square
Minneapolis, MN 55425
612/853-2000
Other Offices in:
New York City, Washington, DC; Kansas City, MO; Los Angeles, CA;
Established 1989
John C. Gaunt AIA
Robert A. Degenhardt PE
James E. Jenkins AIA
Jack L. Hunter PE
Rick A. Lincicome AIA
Robert J. Nasawary AIA
Ronald F. Turner AIA
Michael L. Hallmark AIA
Firm Personnel by Discipline
Architectural 243
Engineering 169
Interior Designers 45
Landscape Architects 6
Planners 8
Other Technical 308
Administrative 184
Total in Firm 963
Work %

ELLIO ARCHITECTS
510 1st Ave. No., Suite 200
Minneapolis, MN 55403
612/339-5382
Fax: 612/339-5382
Established 1975
Arvid Ellison AIA
Paul Madson AIA
Victor Zeuthen AIA
Firm Personnel by Discipline
Architectural 18
Interior Designers 1
Planners 1
Other Technical 2
Administrative 3
Total in Firm 25

RICHARD E. DUFFNEY
1016 Summit Avenue
Detroit Lakes, MN 56501
218/847-4589
Established 1983
Richard Duffney AIA
Firm Personnel by Discipline
Architectural 1
Other Technical 1
Total in Firm 2

ELLIOT ARCHITECTS
512 Second Street
Hudson, WI 54016
715/866-4303
Established 1982
Elliot M. Anderson AIA
Firm Personnel by Discipline
Architectural 2
Other Technical 2
Administrative 1
Total in Firm 5

ERLAND KJELLSON
3327 Hennepin Ave. South
Minneapolis, MN 55408
612/824-3747
Established 1979
Tom Ellison AIA
Architectural 4 1/2
Administrative 1/2
Total in Firm 5

Work %

Residences/New & Remodel 95
Churches/Worship 5

Residences/New & Remodel 20
Office Bldgs./Banks 20
Retail/Commercial 20
Industrial/Mfg. 5
Medical/Health 5
Municipal Bldgs. 5
Interior Architecture 15
Education/Academic 5

The Gates at Carlson Park,
Minnetonka, MN; Convention
Center Parking Ramp, Mpls.;
St. Croix Mall, Stillwater, MN;
St. Peter Schools, St. Peter,
MN; Rosewood Estate, Rose-
vilile, MN; Southwind Apartments,
Burnsville, MN.

Wild Rice Electric, Mahnomen,
MN; Becker County Museum,
Duluth, MN; Northwestern Bell Telephone Office
Equipment Bldgs., Fergus Falls,
Bemidji, MN; Motel 7, Fergus
Falls, MN; United Methodist
Church, Detroit Lakes, MN;
US West Office Equipment
Bldg., Detroit Lakes, MN.

Mayo Clinics, Scottsdale, AZ
and Jacksonville, FL; University
of MN College of Architecture
& Landscape Architecture,
Mpls.; University of Notre
Dame, numerous projects, IN;
International Cultural & Trade
Center, Washington, DC; Uni-
versal Studios, FL; Minnesota
Twins Training Facility, FL.

Minnesota State Lottery Head-
quarters, Roseville, MN; Bal-
moral Apartments Renovation,
Mpls., MN; County Crossroads
Retail Center, Hastings, MN;
North End Center, St. Paul,
MN.

 established 1989

Full R.W. Hunter
James K. Jenkins
John C. (iaunt

Work %

John C. Gaunt AIA
Robert A. Degenhardt PE
James E. Jenkins AIA
Jack L. Hunter PE
Rick A. Lincicome AIA
Robert J. Nasawary AIA
Ronald F. Turner AIA
Michael L. Hallmark AIA

Housing/Multiple 10
Churches/Worship 20
Municipal 20
Office Equipment 40
Education/Academic 10

Wild Rice Electric, Mahnomen,
MN; Becker County Museum,
Duluth, MN; Northwestern Bell Telephone Office
Equipment Bldgs., Fergus Falls,
Bemidji, MN; Motel 7, Fergus
Falls, MN; United Methodist
Church, Detroit Lakes, MN;
US West Office Equipment
Bldg., Detroit Lakes, MN.

Mayo Clinics, Scottsdale, AZ
and Jacksonville, FL; University
of MN College of Architecture
& Landscape Architecture,
Mpls.; University of Notre
Dame, numerous projects, IN;
International Cultural & Trade
Center, Washington, DC; Uni-
versal Studios, FL; Minnesota
Twins Training Facility, FL.

Firm Personnel by Discipline
Architectural 1
Other Technical 1
Total in Firm 2

Housing/Multiple 10
Churches/Worship 20
Municipal 20
Office Equipment 40
Education/Academic 10

Wild Rice Electric, Mahnomen,
MN; Becker County Museum,
Duluth, MN; Northwestern Bell Telephone Office
Equipment Bldgs., Fergus Falls,
Bemidji, MN; Motel 7, Fergus
Falls, MN; United Methodist
Church, Detroit Lakes, MN;
US West Office Equipment
Bldg., Detroit Lakes, MN.

Mayo Clinics, Scottsdale, AZ
and Jacksonville, FL; University
of MN College of Architecture
& Landscape Architecture,
Mpls.; University of Notre
Dame, numerous projects, IN;
International Cultural & Trade
Center, Washington, DC; Uni-
versal Studios, FL; Minnesota
Twins Training Facility, FL.

Firm Personnel by Discipline
Architectural 1
Other Technical 1
Total in Firm 2

Housing/Multiple 10
Churches/Worship 20
Municipal 20
Office Equipment 40
Education/Academic 10

Wild Rice Electric, Mahnomen,
MN; Becker County Museum,
Duluth, MN; Northwestern Bell Telephone Office
Equipment Bldgs., Fergus Falls,
Bemidji, MN; Motel 7, Fergus
Falls, MN; United Methodist
Church, Detroit Lakes, MN;
US West Office Equipment
Bldg., Detroit Lakes, MN.

Mayo Clinics, Scottsdale, AZ
and Jacksonville, FL; University
of MN College of Architecture
& Landscape Architecture,
Mpls.; University of Notre
Dame, numerous projects, IN;
International Cultural & Trade
Center, Washington, DC; Uni-
versal Studios, FL; Minnesota
Twins Training Facility, FL.
RICHARD ENGAN ASSOCIATES: ARCHITECTS
316 West Becker Avenue
P. O. Box 89
Willmar, MN 56201
612/235-0860
Fax: 612/235-0861
Established 1979
Richard P. Engan AIA
Firm Personnel by Discipline
Architectural 3
Interior Designers 1
Administrative 3
Total in Firm 7

WORK %
Housing/Multiple 5
Office Bldgs./Banks 10
Retail/Commercial 5
Industrial/Mfg. 5
Medical/Health 20
Churches/Worship 20
Interior Arch. 10
Solar/Earth Shelter 5
Restoration/Preservation 5
Education/Academic 15

EOS CORPORATION
470 Water Street
Excelsior, MN 55331
612/474-3291
Fax: 612/474-3928
Established 1971
J. Nicholas Ruehl AIA
Bertil Haglund AIA
Zack Johnson AIA
Firm Personnel by Discipline
Architectural 17
Administrative 7
Total in Firm 24

WORK %
Office Bldgs./Banks 20
Retail/Commercial 5
Municipal 25
Education/Academic 50
Wayzata School District; Chanhassen Municipal Buildings;
Minnetonka School District; Chaska School District; Red Wing School District; The Bank, Eden Prairie, MN.
FOSS ASSOCIATES
810 4th Ave. So., P.O. Box 106
Moorhead, MN 56561-0306
218/326-1202
Fax: 218/326-4945
Established 1898

Mark B. Foss
PE
Charles Zeltinger
William Stelter
AIA
Paul Jacobson
PE

Firm Personnel by Discipline
Architectural 3
Engineering 4
Other Technical 3
Administrative 2
Total in Firm 18

Office Bldgs./Banks 10
Medical/Health 10
Churches/Worship 9
Municipal 5
Emergency Shelter Surveys 5
Education/Academic 25

FSL Barlage Center for Science, Moorhead State University, Moorhead, MN; Centennial Elementary School, Fargo, ND; Junior High School Addition, Moorhead, MN; Trinity Lutheran Church addition, Moorhead, St. Luke's Hospital-Merrycare Remodeling, Fargo, ND; Fergus Falls Regional Treatment Center, Fergus Falls, MN.

H. W. FRIDLUND
ARCHITECTS, INC.
14590 South Robert Trail
Rosemount, MN 55068
612/423-4525
Established 1950

H. W. Fridlund
AIA
Milt Bruflood
AIA
Eileen Greenwood

Firm Personnel by Discipline
Architectural 3
Total in Firm 4

Housing/Multiple 10
Office Bldgs./Banks 10
Retail/Commercial 10
Industrial/Mfg. 10
Medical/Health 10
Interior Architecture 5
Municipal 10
Recreational 15

Rosemount City Hall, MN; Apple Valley Square Mall, MN; Rosemount Plaza Condominiums, MN; 98th St. Tennis & Swim Club, Bloomington, MN; Lang-Nelson Office Building, St. Louis Park, MN; Rosemount Square Shopping Center, MN.

GALLAGHER
ARCHITECTS
3609 Gettysburg Ave. N.
Minneapolis, MN 55427
612/542-8259
Established 1981

Daniel P. Gallagher
AIA

Office Bldgs./Banks 20
Industrial/Mfg. 20
Churches/Worship 50
Restoration/Preservation 10

Banner Engineering Corp., Plymouth, MN; Malt-O-Meal Company Restoration, Northfield, MN; Crystal North Fire Station, MN; Lucht Engineering, Inc., Space Planning, Bloomington, MN; St. Vincent de Paul Catholic Church, Brooklyn Park, MN.

GRANDE ARCHITECTS
INC.
3633 Flag Avenue North
Minneapolis, MN 55427
612/546-6624
Established 1975

Duane W. Grande
AIA

Firm Personnel by Discipline
Architectural 1
Interior Designers 1
Other Technical 2
Administrative 1
Total in Firm 5

Retail/Commercial 20
Churches/Worship 20
Education/Academic 30
Interior Architecture 30

Montgomery Elementary School, Montgomery, MN; Montgomery Vo-Ag Center, Montgomery, MN; Embarrass Evangelical Free Church, Embarrass, MN; Design Stages, Court International Building, St. Paul, MN; FBS Mortgage Corporation, Court International Building, St. Paul, MN; Uniglobe Travel, Court International Building, St. Paul, MN.

GREGBERN ASSOCIATES
85 Langford Park
St. Paul, MN 55108
612/645-8455
Established 1978

D.W. Grebner
FAIA

Residences/New & Remodel 50
Education/Academic 50

Adams Elementary School remodel, St. Paul Schools, St. Paul; P. Grebner Residence, Lakeville, MN.

GREEN, NELSON & WEAVER INC.
6465 Wayzata Blvd.
Minneapolis, MN 55426
612/593-0696
Established 1978

Gene Green
AIA
Arthur Nelson
AIA
John Weaver
AIA
Kenneth Quass
AIA

Firm Personnel by Discipline
Architectural 5
Other Technical 1
Administrative 2
Total in Firm 8

Office Bldgs./Banks 5
Industrial/Mfg. 45
Restoration/Preservation 5
Prison 5
Education/Academic 40

Green Bay Packaging Plants, Fremont, OH; DePere, WI; Hidden Oaks Middle School, Prior Lake, MN; Meadowbrook Elementary School Media Center, Golden Valley, MN; Boise Cascade, Louisville, KY; Gaylord Container, Houston, TX; Fruit of the Loom Manufacturing Plant, Harlingen, TX.
<table>
<thead>
<tr>
<th>Firm Name</th>
<th>Phone Number</th>
<th>Services Provided</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDSTROM OSTREIM ARCHITECTS</td>
<td>612/925-2323</td>
<td>Industrial/Mfg. 10, Industrial/Commercial 35, Office Bldgs./Banks 5, Retail/Commercial 25</td>
</tr>
<tr>
<td>ILTEN-SEIBERLICH PARTNERS</td>
<td>612/939-0435</td>
<td>Architectural 10, Educational/Academic 30, Office Bldgs./Banks 30, Retail/Commercial 25</td>
</tr>
<tr>
<td>JRP ARCHITECTS, INC.</td>
<td>612/943-1154</td>
<td>Architectural 20, Office Bldgs./Banks 30, Retail/Commercial 25, Industrial/Mfg. 10</td>
</tr>
<tr>
<td>JOHNSON/REIS &amp; ASSOCIATES, INC.</td>
<td>612/339-0435</td>
<td>Architectural 20, Office Bldgs./Banks 30, Retail/Commercial 25, Industrial/Mfg. 10</td>
</tr>
<tr>
<td>JOHNSON, SHELDON &amp; SORENSEN</td>
<td>612/935-6337</td>
<td>Architectural 20, Office Bldgs./Banks 30, Retail/Commercial 25, Industrial/Mfg. 10</td>
</tr>
<tr>
<td>BERNARD JACOB ARCHITECTS, LTD.</td>
<td>612/732-5517</td>
<td>Architectural 3, Interior Designers 1, Planning 1, Administrative 1/2, Total in Firm 6 1/2</td>
</tr>
<tr>
<td>ISRAELSON, REESE, ELLINGTON &amp; ASSOCIATES, INC.</td>
<td>612/831-6633</td>
<td>Architectural 10, Education/Academic 10, Interior Architecture 10, Office Bldgs./Banks 30, Municipal 10</td>
</tr>
</tbody>
</table>

**Firm Personnel by Discipline**

- Administrative 3
- Other Technical 2
- Total in Firm 5
- Housing/Multiple 30
- Residences/New & Remodel 5
- Office Bldgs./Banks 5
- Retail/Commercial 25
- Industrial/Mfg. 10
- Medical/Health 10
- Churches/Worship 5
- Restoration/Preservation 5
- Municipal 10
- Interior Architecture 5

**Total in Firm**

- Administrative 1 1/2
- Total in Firm 6 1/2

**Work %**

- Housing/Multiple 20
- Residences/New & Remodel 10
- Office Bldgs./Banks 30
- Retail/Commercial 30
- Industrial/Mfg. 10
- Great Prints Photo Shop, Miller Hill Mall, Duluth, MN; Summit on Western Apartments, St. Paul, MN; Woodland Office Space Plan, Minnetonka, MN.

**Firm Personnel by Discipline**

- Architectural 3
- Interior Designers 1
- Planning 1
- Administrative 1/2
- Total in Firm 6 1/2

**Work %**

- Office Bldgs./Banks 30
- Municipal 30
- Education/Academic 10
- Interior Architecture 30
- Koala Lodge, Minnesota Zoo, Apple Valley, MN; City Hall and Police Dept., Hopkins, MN; Centennial Office Building, St. Paul; Minnesota Department of Agriculture.

**Total in Firm**

- Administrative 3
- Total in Firm 13

**JOHNSON, SHELDON & SORENSEN ARCHITECTS, INC.**

**Established 1972**

- Roger F. Johnson AIA
- Alvin D. Sheldon
- Carlyle A. Sorensen

**Firm Personnel by Discipline**

- Architectural 12
- Other Technical 1
- Interior Designers 1
- Total in Firm 14

**Work %**

- Housing/Multiple 35
- Residences/New & Remod. 5
- Office Bldgs./Banks 10
- Retail/Commercial 10
- Churches/Worship 15
- Interior Arch 5
- Education/Academic 10
- Municipal 10

- Newport on Seven housing, St. Louis Park, MN; Lac-Quit-Parle County High School, MN; J.C. Penney Portrait Studios, various locations; Hosanna Lutheran Church, Burnsville, MN; Thomas Lake housing, Eagan, MN; Elderly Housing, New Ulm, MN.
KAGERMEIER SKAAR PAULSEN ARCHITECTS, INC.
528 S. Second St.
Mankato, MN 56001
507/388-6271
Fax: 507/338-5499
Established 1932
James H. Kagermeier AIA
Roger J. Skaar AIA
Bryan J. Paulsen AIA
A. David Asleson CSPI
Firm Personnel by Discipline
Architectural 5
Interior Designers 3
Other Technical 2
Total in Firm 11
Office Bldgs./Banks 20
Industrial/Manuf. 20
Medical/Health 10
Restoration/Preservation 10
Municipal 10
Interior Arch. 10
Education/Academic 20
Carlson Craft Commercial, North Mankato, MN; Old Main Village, Mankato; Corporate Graphics, North Mankato, MN; Citizens' Scholarship Foundation of America, St. Peter, MN; Anderson Party Supplies, White Bear Lake, MN; Blue Earth County Courhouse Remodeling, Mankato, MN.

KILSTOFFE ASSOCIATES, INC.
Architects
305 Minnetonka Ave. So.
Wayzata, MN 55391
612/473-0277
Fax: 612/473-2830
Established 1958
Irwin H. Kilstofoe AIA
Ronald T. Lagerquist AIA
Firm Personnel by Discipline
Architectural 5
Administrative 1
Total in Firm 6
Housing/Multi. 5
Residences/New & Remodel 5
Office Bldgs./Banks 15
Retail/Commercial 20
Industrial/Manuf. 20
Churches/Worship 5
Restoration/Preservation 5
Municipal 20
Interior Arch. 5
MN/DOT Central Lab & Research Center, Maplewood, MN; Bar & Lounge Addition, Holiday Inn of St. Cloud, MN; Chetek State Bank, WI; Oakwood Square Shopping Center, Plymouth, MN; Otten Brothers Nursery & Landscaping, New Facility, Orono, MN; Barron Area Community Center, Barron, WI.

KKE ARCHITECTS, INC.
300 1st Ave. North, Suite 500
Minneapolis, MN 55401
612/339-4200
Fax: 612/342-9267
Established 1968
Ronald Krank AIA
Y. A. Korsunsky AIA
Ronald Erickson AIA
Joel Anderson AIA
David Brosed AIA
David Frank AIA
Thomas Gerster AIA
Gregory Hollenkamp PE
Robert C. Mayeron PE
Firm Personnel by Discipline
Architectural 65
Engineering 1
Interior Designers 8
Administrative 17
Total in Firm 91
Housing/Multi. 10
Office Bldgs./Banks 5
Retail/Commercial 50
Medical/Health 5
Municipal 10
Education/Academic 5
Interior Architecture 5
Mall of America, Bloomington, MN; Calhoun Beach Apartments, Mpls, MN; Andrews Schools, Annandale, MN; Burnsville Marketplace, Burnsville, MN; B'Nai B'rith Home, Memphis, TN; North Oaks Office Building, North Oaks, MN.

KLEIN McCARTHY & CO., LTD., ARCHITECTS
18300 Minnetonka Blvd.
Deephaven, MN 55391
612/473-1503
Fax: 612/473-1626
Established 1977
George F. Klein Jr. AIA
Richard J. McCarthy AIA
Firm Personnel by Discipline
Architectural 5
Administrative 1
Total in Firm 6
Housing/Multi. 10
Retail/Commercial 5
Medical/Health 10
Municipal 30
Education/Academic 10
Justice/Law Enforcement Facilities 35
Otter Tail County Justice Center, Fergus Falls, MN; Inver Hills Community College Classroom & Administration Building & Child Care Center; St. Louis County Jail & Government Center, Sandusky, MI; Chisago County Government Center, Center City, MN.

KODET ARCHITECTURAL GROUP, LTD.
15 Groveland Terrace
Minneapolis, MN 55403
612/377-2737
Established 1983
Edward J. Koded, Jr. AIA
David Kulich AIA
Ken Stone AIA
Firm Personnel by Discipline
Architectural 10 1/2
Administrative 4
Total in Firm 14 1/2
Housing/Multi. 5
Residences/New & Remodel 5
Office Bldgs./Banks 15
Retail/Commercial 15
Industrial/Manuf. 5
Medical/Health 5
Churches/Worship 10
Restoration/Preservation 5
Municipal 20
Interior Arch. 10
Solar/Earth Sheltered 5
Interior Architecture 10
Education/Academic 10
Newman Center, University of Minnesota, Mpls; Baker Park & Recreation Center, Medina, MN; Wabasha Downtown Historic Preservation, Wabasha, MN; Hennepin County Facility Master Plan, Hopkins, MN; Coon Rapids Fire Station, Coon Rapids, MN; The Blake School, Hopkins, MN.

KORNGIEBEL ARCHITECTURE
45 Library Square
Hutchinson, MN 55350
612/587-2483
Established 1969
John W. Korngiebel AIA
Firm Personnel by Discipline
Architectural 2
Administrative 1
Total in Firm 3
Housing/Multi. 50
Office Bldgs./Banks 10
Industrial/Manuf. 10
Churches/Worship 10
Education/Academic 10
Isle Municipal Building, Isle, MN; Hutchinson Technical College, Hutchinson, MN; Regency Condominiums, Willmar, MN; North Court Apartments, Owatonna, MN; Barnside Apartments, Red Wing, MN; Fairmont Place Apartments, Fairmont, MN; First Congregational Church, Hutchinson, MN.

L. E. KOLLMEYER, ARCHITECT, INC.
6409 City W. Pkwy., Suite 207
Eden Prairie, MN 55344
612/942-0955
Established 1984
Larry Kollmeyer AIA
Firm Personnel by Discipline
Architectural 4
Administrative 1
Total in Firm 5
Housing/Multi. 20
Residences/New & Remodel 55
Office Bldgs./Banks 10
Retail/Commercial 10
Industrial/Manuf. 10
Churches/Worship 5
Toussignant Residence, Minneapolis, MN; Johnson Residence, Edina, MN; Bedder Residence Renovation, Minnetrista, MN; Med-Tran Corporate Offices, Eagan, MN; Bognanno Residence Renovation, Edina, MN; Aspen Villa Condominium Renovation, Aspen, CO.
MCCOY ARCHITECTS
1946 Cedar Lake Parkway
Minneapolis, MN 55416
612/927-8546
Established 1982
Tim McCoy
Firm Personnel by Discipline Architectural 3
Administrative 1
Total 4

Housing/New & Remodel 5
Residences New/Remodel 5
Office Bldgs./Banks 15
Retail/Commercial 75
West Lake Plaza, Forest Lake, MN; Evergreen Square, Pine City, MN; West Village Center, Chanhassen, MN; Marquette Bank Building, Eden Prairie, MN; Pamela Stores, Wisconsin & Montana.

MCNARY, KRAFFT, BIRCH & KILGORE
404 Griffitt Street
Hopkins, MN 55343
612/938-0755
Established 1934
Robert A. Kilgore
Firm Personnel by Discipline Architectural 1
Total 1
Residences/New & Remodel 65
Retail/Commercial 10
Industrial/Mfg. 15
Municipal 10

MCGUIRE COURTEAU LUCKE ARCHITECTS, INC.
345 St. Peter Street, Suite 710
St. Paul, MN 55102
612/222-8451
Fax: 612/222-5414
Established 1973
Patrick F. McGuire
Firm Personnel by Discipline Architectural 13
Other Technical 1
Total in Firm 15

Housing/Multiple 10
Retail/Commercial 5
Medical/Health 5
Churches/Worship 25
Restoration/Preservation 10
Municipal 10
Interior Arch. 5
Education/Academic 30

Church of St. Joseph, West St. Paul, MN; Como Park Lakeside Pavilion, St. Paul, MN; John Paul II Residence Hall, College of St. Thomas, St. Paul, MN; Dakota County Technical College, Rosemount, MN; Our Lady of Good Counsel Cancer Home, St. Paul, MN; O’Shaughnessy Library, College of St. Thomas, St. Paul, MN.

MCKEAG ASSOCIATES
737 W. 14th St.
Apple Valley, MN 55124
612/452-8585
Established 1980
Wm. A. McKeag
Firm Personnel by Discipline Housing/Multiple 3
Other Technical 2
Administrative 1
Total in Firm 2

Housing/Multiple 50
Residences/New & Remodel 50
Housing for the Elderly, 15 units, Grantsburg, WI; Apartments, 40 units, Marshall, WI; Apartments, 4 units, River Falls, WI, 30 unit Housing Rehab., Green Bay, WI; 15 unit Housing Rehab., Beloit, WI.

MCKEON-SCHULLER, INC.
204 S.E. 4th Street
Rochester, MN 55904
507/289-7644
Established 1985
James E. McKeon
Firm Personnel by Discipline Architectural 1
Other Technical 11
Administrative 1
Total in Firm 15

Housing/Multiple 30
Residences/New & Remodel 45
Industrial/Mfg. 10
Retail/Commercial 10
Education/Academic 5

Amundson Dental Clinic, Rochester, MN; Anderson Condominiums, Spring Valley, MN; Honeytree Townhomes, Romeo- ville, IL; Wimbledon, Rochester, MN.

MCDONALD AND MACK PARTNERSHIP
712 Grain Exchange Building
Minneapolis, MN 55415
612/341-4021
Fax: 612/337-5843
Established 1977
Stuart E. MacDonald
Firm Personnel by Discipline Architectural 13
Total in Firm 2

Residences New/Remodel 10
Restoration/Preservation 90

Lake Place (Purcell-Cutts House) Restoration, Mpls., MN; LeDuc House Restoration, Hastings, MN; Building 10, Minnesota Veterans’ Home Restoration & Renovation, Mpls.; Preservation Study for Burbank-Livingston-Griggs House, St. Paul, MN; Restoration of Split Rock Light House, North Shore, Superior, MN; Preservation Study for First Presbyterian Church, Evansville, IN.

MCGLADREY, WALLACE & ASSOCIATES
740 7th Avenue
Minneapolis, MN 55402
612/222-5300
Fax: 612/222-5301
Established 1924
John McLane
Firm Personnel by Discipline Architectural 9
Total in Firm 10

Church, Interior Remodeling, Mendota Heights, MN; University of St. Thomas, Minneapolis, MN; Olympia Hotel, Stillwater, MN; James J. Hill Real Estate, St. Paul, MN; St. Mary’s Catholic Church, St. Paul, MN; Proctor School, Owatonna, MN; The Farm, Stillwater, MN; Educational/Institutional 40

JAMES NELSON MCKELLIN III
MCKELLIN III
604 W. Minnehaha Parkway
Minneapolis, MN 55419
612/823-5223
Fax: 612/823-5223
Established 1977
James Nelson McKellin III
Firm Personnel by Discipline Architectural 1
Total in Firm 2

Housing/Multiple 50
Residences/New & Remodel 50

MCKELLIN III

100 ARCHITECTURE MINNESOTA
ROSEMARY A. McMONIGAL
ARCHITECTS
2100 18th Ave. NE
Minneapolis, MN 55418
612/789-9377
Fax: 612/789-7577
Established 1984
Rosemary A. McMonigal AIA
Firm Personnel by Discipline
Architectural 1
Administrative 1
Total in Firm 2

Work %
Housing/Multiple 2
Residences/New & Remodel 70
Office Bldgs./Banks 10
Retail/Commercial 3
Education/Academic 15

Riser Residence, Stillwater, MN; Russell & Miller Residence, Rosemount, MN; Percival Residence, Minnetonka, MN; Woodview Terrace Mon­
tessori: School, Woodbury, MN; Capitol Complex Child Care Center, State of Minnesota, St. Paul, MN; Department of Transportation Programming Study, State of Minnesota.

MELANDER, MELANDER & SCHILLING
ARCHITECTS, INC.
301 West 1st Street Suite 202
Duluth, MN 55802
218/727-5044
Established 1971
Donald K. Melander AIA
David A. Schilling AIA
Firm Personnel by Discipline
Architectural 4
Administrative 2
Total in Firm 6

Work %
Housing/Multiple 5
Residence/New & Remodel 5
Office Bldgs./Banks 25
Retail/Commercial 5
Restoration/Preservation 5
Municipal 10
Interior Arch. 20
Education/Academic 5
Vehicle Maintenance 15
Facilities Management 5

MN/DOT Duluth District Headquarters, MN; Minnesota Power Office Expansion, Duluth; MN/DOT, DNR A State Highway Patrol Joint Use Facility, Thief River Falls, MN; First Bank Cloquet Remodel, Cloquet, MN; Iron River Restau­rant Iron River, WI; Minne­sota Power Facilities Manage­ment Central & Western Divisions.

ROBERT L. MEYER,
ARCHITECT
311 NW Third Street
Brainerd, MN 56401
218/829-0219
Established 1986
Robert L. Meyer AIA
Firm Personnel by Discipline
Architectural 1
Administrative 1
Total in Firm 2

Work %
Housing/Multiple 20
Residences/New & Remodel 5
Churches/Worship 5
Education/Academic 50
Roof, Window, Carpet Replacement 20

North Star Apartment Building comprehensive renovation, Brainerd, MN; Riverside School addi­tions, Brainerd, MN; Renovation work, several Minnesota National Guard Armories; addition/remodeling/renovation, Camp Ripley, MN; Wilson & Empire Apartment Buildings Renovation, St. Cloud, MN; Renovation for 11 Schools, Brainerd, MN.

ROBERT L. MEYER
ARCHITECT
501 University Ave.
Minneapolis, MN 55401
612/937-5044
Fax: 612/937-5045
Established 1981
Thomas Meyer AIA
Jeffrey A. Scherer AIA
Garth C. Rockcastle AIA
Firm Personnel by Discipline
Architectural 12
Other Technical 1
Interior Designers 1
Administrative 2
Total in Firm 16

Work %
Residences/New & Remodel 40
Industrial/Mfg. 25
Education/Academic 10
Libraries/Ars 25

Ridgegale Public Library Expan­sion, MN; Detroit Lakes Public Library renovation, MN; New Private Residence, Orono, MN; Private Residence Remodel, Mpls, MN; Guilford of Maine, Administrative Head­quarters, Guilford, ME.

VAL MICHELSON AND ASSOCIATES, INC.
1821 University Ave., No. 345
St. Paul, MN 55104
612/646-6377
Established 1960
Valerius L. Michelson FAIA
Firm Personnel by Discipline
Architectural 1
Administrative 1
Total in Firm 3

Work %
Interior Arch. 15
Education/Academic 70
Urban Planning 15

St. John’s Preparatory School expansion, Collegeville, MN; Itasca Community College expansion, Grand Rapids, MN; Urban Planning Framework, East Capitol Area, St. Paul, MN.

MILLER-DUNWIDDE
ASSOCIATES, INC.
3601 Minnesota Dr., Suite 850
Minneapolis, MN 55435
612/831-2131
Fax: 612/831-2131
Established 1963
Foster W. Dunwiddie FAIA
William J. Miller AIA
Kent J. Moses AIA
Craig R. Lau AIA
Mark J. Miller
Firm Personnel by Discipline
Architectural 13
Other Technical 1
Administrative 1
Total in Firm 15

Work %
Residences/New & Remodel 5
Retail/Commercial 15
Industrial/Mfg. 20
Restoration/Preservation 5
Municipal 20
Interior Arch. 10
Education/Academic 10

Office & Factory Addition to Minnegold Store Fixture Co., Fridley, MN; Data Pro­cessing Administration for DowBrands, Fridley; Northfield Swimming Pools & Recreation Center, Northfield, MN; Fire Station #2 & Fire Department Remodel, Brooklyn park, MN; Our Savior’s Lutheran Church Space Planning, Circle Pines, MN.

MILLER HANSON
WESTERBECK BELL
ARCHITECTS INC.
12400 12th Avenue North
Minneapolis, MN 55441-4612
612/544-3871
Established 1988
Al Mjorud AIA
Firm Personnel by Discipline
Architectural 10
Other Technical 3
Administrative 2
Total in Firm 15

Work %
Housing/Multiple 60
Office Bldgs./Banks 5
Retail/Commercial 10
Restoration/Preservation 10
Education/Academic 15

Galtier Plaza, St. Paul, MN; Riverplace, Mpls., MN; Whitney Hotel, Mpls.; World Theatre, St. Paul, MN; Fountain Place Apartments, Eden Prairie, MN; Willmar Community Col­lege, Willmar, MN.

MJORUD
ARCHITECTURE
12400 12th Avenue North
Minneapolis, MN 55441-4612
612/544-3871
Fax: 612/332-5425
612/322-5420
Established 1962
Firm Personnel by Discipline
Architectural 10
Other Technical 3
Administrative 2
Total in Firm 15

Work %
Office Bldgs./Banks 15
Retail/Commercial 10
Industrial/Mfg. 15
Churches/Worship 15
Restoration/Preservation 5
Municipal 20
Interior Arch. 10
Education/Academic 10

Valerius L. Michelson
AIA
Firm Personnel by Discipline
Architectural 1
Administrative 1
Total in Firm 3

Work %
Education/Academic 70
Urban Planning 15

St. John’s Preparatory School expansion, Collegeville, MN; Itasca Community College expansion, Grand Rapids, MN; Urban Planning Framework, East Capitol Area, St. Paul, MN.

Firm Personnel by Discipline
Architectural 10
Other Technical 3
Administrative 2
Total in Firm 15

Work %
Housing/Multiple 60
Office Bldgs./Banks 5
Retail/Commercial 10
Restoration/Preservation 10
Education/Academic 15

Galtier Plaza, St. Paul, MN; Riverplace, Mpls., MN; Whitney Hotel, Mpls.; World Theatre, St. Paul, MN; Fountain Place Apartments, Eden Prairie, MN; Willmar Community Col­lege, Willmar, MN.

MJORUD
ARCHITECTURE
12400 12th Avenue North
Minneapolis, MN 55441-4612
612/544-3871
Fax: 612/332-5425
612/322-5420
Established 1962
Al Mjorud AIA
Firm Personnel by Discipline
Architectural 10
Other Technical 3
Administrative 2
Total in Firm 15

Work %
Housing/Multiple 60
Office Bldgs./Banks 5
Retail/Commercial 10
Restoration/Preservation 10
Education/Academic 15

Galtier Plaza, St. Paul, MN; Riverplace, Mpls., MN; Whitney Hotel, Mpls.; World Theatre, St. Paul, MN; Fountain Place Apartments, Eden Prairie, MN; Willmar Community Col­lege, Willmar, MN.
PLANNING AND DESIGN, INC.
400 South 4th St., Suite 354
Minneapolis, MN 55401
612/339-4530
Fax: 612/339-5634
Established 1978
Loren D. Hoseck AIA
Firm Personnel by Discipline
Architectural 13
Interior Designers 2
Administrative 2
Total in Firm 17
Housing/Multiple Work %
Office Bldgs./Banks 35
Retail/Commercial 35
Medical/Health 15
Municipal 5
Education/Academic 5
Interior Arch. 100
Methodist Hospital, Rochester, MN; US WEST, Mpls., MN; Medtronic, Inc., Mpls., MN; William’s Leather, Department of Jobs & Training; Honeywell, Inc.

POPE ASSOCIATES INC.
1360 Energy Pk. Dr., Suite 300
St. Paul, MN 55108
612/642-9200
Fax: 612/642-1101
Established 1977
Robert L. Pope AIA, PE
Jon R. Pope AIA
Daniel M. Klecker
Firm Personnel by Discipline
Architectural 16
Engineering 1
Interior Designers 2
Total in Firm 23
Housing/Multiple Work %
Office Bldgs./Banks 10
Retail/Commercial 10
Medical/Health 10
Municipal 5
Education/Academic 15
Department of Revenue Building, St. Paul, MN; Specialty Manufacturing, White Bear Lake, MN; Maplewood Commons Retail, Maplewood, MN; Folwell Hall, University of Minnesota, Mpls., MN; St. Paul Technical College, St. Paul, MN; Control Data Corporation, BMS Facilities.

PFISTER ARCHITECTS, INC.
213 Third Ave. N., Suite 302
Minneapolis, MN 55401
612/349-6006
Fax: 612/349-6052
Established 1984
Peter J. Pfister AIA
Firm Personnel by Discipline
Architectural 3 1/2
Interior Designers 1 1/2
Administrative 1
Total in Firm 6
Housing/Multiple Work %
Residences/New & Remodel 5
Office Bldgs./Banks 20
Retail/Commercial 10
Restoration/Preservation 10
Interior Arch. 15
Solar/Earth Sheltered 5
Bristol Apartments, Bloomington, MN; Group Design Offices, Mpls., MN; Minnesota Timberwolves Arena (Exterior Design Consultant) Mpls., MN; Minnesco DFIMS CADD Facility, Mpls., MN; Business Center, Willmar, MN; Thomas Twining Photography Studio, Mpls., MN; Edinboro Residential Development, Brooklyn Park, MN.

PM DESIGN
11200 West 78th Street
Eden Prairie, MN 55344
612/829-3492
Fax: 612/944-9420
Established 1988
Lynn D. Sloat AIA
Firm Personnel by Discipline
Architectural 2
Total in Firm 2
Housing/Multiple Work %
Residences/New & Remodel 5
Office Bldgs./Banks 15
Retail/Commercial 40
Industrial/Mfg. 10
Medical/Health 5
Interior Architecture 20
Zuhrah Temple Addition & Remodeling, Mpls., MN; Truth Division, SPX Corporation, Office Addition, Owatonna, MN; OTC Division, SPX Corporation, Interior Design, Owatonna, MN; Bank/Medical Building, Eagan Center, Eagan, MN; Crossroads of Roseville Shopping Center, Roseville, MN; Tenant Improvement Design, Various Locations.

RAFFERTY RAFFERTY TOLLEFSON ARCHITECTS
233 E. 4th Street
St. Paul, MN 55101
612/224-4831
Fax: 612/228-0264
Established 1961
George E. Rafferty FAIA
Richard J. Rafferty FAIA
Craig E. Rafferty AIA
Lee E. Tolleson AIA
Chip Lindeke AIA
Firm Personnel by Discipline
Architectural 8
Other Technical 4
Administrative 2
Total in Firm 14
Housing/Multiple Work %
Residence/New & Remod. 5
Office Bldgs./Banks 10
Medical/Health 10
Churches/Worship 20
Restoration/Preservation 10
Interior Arch. 10
Education/Academic 20
Engel Hall Remodeling, St. John’s University, Collegeville, MN; Conception Abbey Church, Conception, MO; Kettle River Environmental Education Center, Sandstone, MN; Lake Superior Zoological Gardens, Duluth, MN; Fergus Falls Community College, Fergus Falls, MN; Dayton’s Bluff Post Office,

RALPH RAPSON & ASSOCIATES, INC
1503 Washington Ave. S.
Minneapolis, MN 55454
612/333-4561
Established 1954
Ralph Rapson FAIA
Thomas Rapson AIA
Firm Personnel by Discipline
Architectural 4
Administrative 1
Total in Firm 5
Housing/Multiple Work %
Office Bldgs./Banks 30
Churches/Worship 10
Restoration/Preservation 5
Education/Academic 40
U of M Performing Arts Center, Mpls., MN; U of M at Morris Performing Arts Center, MN; Student Recreational Facility, Southern Illinois University at Carbondale; ENPPI Corp. Hdgtrs., Cairo, Egypt; U of M Recreational Sports Facility, Co-Architect; Private Residences, MN.
SMITH ARCHITECTS
6215 Cambridge St.
Minneapolis, MN 55416
612/922-3788
Established 1982
John T. Smith AIA

Firm Personnel by Discipline
Administrative 1
Total in Firm 1

Work %
Residences/New & Remodel 10
Housing/Multiple 10
Office Bldgs./Banks 35
Retail/Commercial 10
Industrial/Mfg. 35

West 5 Business Center, Eden Prairie, MN; 8001 Office Building, St. Louis Park, MN; Smith Residence, Minnetonka, MN; W. Weire Residence, Orono, MN; LaMetty Auto Center, Eden Prairie, MN; Engstrom Residence Addition, Edina, MN.

SMUCKLER CORPORATION
7625 Metro Blvd., Suite 150
Edina, MN 55435
612/831-2224
Established 1978
Jack D. Smuckler AIA

Firm Personnel by Discipline
Architectural 6
Administrative 2
Total in Firm 8

Work %
Residences/New & Remodel 90
Office Bldgs./Banks 10

O'Shaughnessy Residence, Minnetrista; Smalley Residence, Edina; Mattix Residence, Eden Prairie; Reid Residence, Lake Minnetonka; Ruhringer Residence, Minnetonka; Arrow Point Inlet, Granite Gorge Heights, MN.

LUCIAN EDWARD SOLVETED/ARCHITECT
10132 Johnson Avenue South
Bloomington, MN 55437
612/831-5741
Established 1983
Lucian Edward Solvected AIA

Firm Personnel by Discipline
Architectural 1
Administrative 1
Total in Firm 2

Work %
Office Bldgs./Banks 20
Retail/Commercial 5
Churches/Worship 5
Interior Architecture 20
Code Consultant 50

Consultant: Codes & Regulations; 5041 France Building, Mpls., MN; Law Office, IDS Tower, Mpls., MN; Graphics Interior, Multifoods Tower, Mpls., MN; Church Addition & Alterations, Mpls., MN.

D. E. STANUS & ASSOCIATES, INC.
1831 E. Eighth St.
Duluth, MN 55812
218/724-8578
Fax: 218/724-8717
Established 1976
Donald E. Stanus AIA
Rickard A. Stanus AIA, CSI
Don E. Stanus AIA
Kenneth D. Johnson AIA

Firm Personnel by Discipline
Architectural 4
Other Technical 3
Total in Firm 7

Work %
Housing/Multiple 10
Office Bldgs./Banks 30
Medical/Health 10
Churches/Worship 5
Municipal 10

Natural Resources Research Institute
Student Housing/Vermilion Community College, Ely, MN; Food Service, Duluth Technical College, Duluth, MN; Western National Bank Drive-In, Duluth, MN; King Manor Office Addition, Duluth, MN.

STATION 19 ARCHITECTS, INC.
2001 University Ave. SE
Minneapolis, MN 55414
612/623-1800
Fax: 612/623-0012
Established 1980
Darrel LeBarron AIA
Keith Sjostrom AIA

Firm Personnel by Discipline
Administrative 7
Interior Designers 1
Planners 1
Other Technical 4
Total in Firm 17

Office Bldgs. 10
Medical/Health 25
Churches/Worship 50
Restoration/Preservation 5
Interior Architecture 10

Apple Park Office Building, Apple Valley, MN; Faith Lutheran Church, Albuquerque, NM; Group Health Coon Rapids Clinic, Coon Rapids, MN; St. Louis Parish, Payneville, MN; Sterling Springs Development, Phoenix, AZ; Rosemont United Methodist, Rosemont, MN.

STEGNER-PHELPS ARCHITECTS, P.A.
222 Laurel St.
Brainerd, MN 56401
218/829-2355
Established 1955
LeE. Stegner AIA
Brian D. Phelps AIA

Firm Personnel by Discipline
Administrative 3
Other Technical 2
Total in Firm 7

Work %
Office Bldgs./Banks 5
Retail/Commercial 10
Municipal 10
Education/Academic 80

Elementary School, Kimball, MN; Russell & Herder Office Building, Brainerd, MN; District Headquarters Building for MN Dept. of Transp., Brainerd, MN; Fieldhouse at Football Field, Atkin, MN; Middle School, Sartell, MN; Public Library, New York Mills, MN.
STUDIO FIVE ARCHITECTS
1170 Ford Center
420 North 5th Street
Mpls., MN 55401
612/339-0605
Fax: 612/337-5394
Established 1987

Thomas Hunt AIA
Leigh Rolfshus AIA
Doris Rolfshus

Firm Personnel by Discipline
Architectural 4
Interior Designers 2
Total in Firm 6

Housing/Multiple 20
Residences/New & Remodel. 5
Office Bldgs./Banks 10
Industrial/Mfg. 5
Medical/Health 15
Municipal 10
Education/Academic 20
Interior Architecture 15

Hazelton Shores, Chaska, MN;
First National Bank of Wayzata,
Plymouth, MN; St. Davids School. Minnetonka, MN; Coal Silo Storage Facility, University of Minnesota St. Paul, MN;
Lake Johanna Fire Station, North Oaks, MN; Green Lea Manor Nursing Home, Mabel.

SYMMES, MAIN & MCKEE ASSOCIATES, INC. (Mpls. Office)
430 Oak Grove, Suite 101
Minneapolis, MN 55403
612/871-2562
Fax: 612/871-8189

Edward R. Frenette AIA
Firm Personnel by Discipline
Architectural 4
Engineering 3
Interior Designers 1
Other Technical 1
Administrative 1
Total in Firm 10

Office Bldg./Banks 25
Retail/Commercial 20
Industrial/Mfg. 15
Restoration/Preservation 5
Medical/Health 5
Education/Academic 15
Interior Architecture 15

Blue Cross/Blue Shield Corporate Offices, South Portland, ME;
John Hancock Conference Center, Boston, MA;
MIT Microsystems Technology Laboratory, Cambridge, MA;
Digital Equipment Corporation, Offices & Engineering Lab., Littleton, MA;
L.L. Bean Retail Store, Freeport, ME;
GTE Office & Engineering Laboratory, Waltham, MA.

THOMAS AND VECCHI, INC.
1518 East Superior Street
Duluth, MN 55812
218/724-8802
Fax: 218/728-5113
Established 1971

John Ivey Thomas AIA
Thomas A. Vecchi AIA
Firm Personnel by Discipline
Architectural 7
Administrative 3
Total in Firm 10

Residences/New & Remodel 5
Office Bldgs./Banks 5
Retail/Commercial 20
Industrial/Mfg. 4
Medical/Health 20
Education 20

Duluth Skywalk/Bridge Systems, MN;
Congdon School Addition, Duluth, MN;
Duluth State Convention Center, Duluth, MN;
University of Minnesota-Duluth Physical Education/Rec Sports Complex, Duluth, MN;
Mount Royal Pines, Congregate Housing, Duluth, MN;
Chester Apartments Complex Restoration, Duluth, MN;
Rainy River Community College Student Housing, International Falls, MN.

TOLTZ, KING, DUVALL, ANDERSON & ASSOC., INC.
2300 American National Bank Bldg.
St. Paul, MN 55101
612/292-4400
Fax: 612/292-0083
Established 1910

Duane T. Prew PE
James E. Voyen PE
Firm Personnel by Discipline
Architectural 20
Engineering 70
Landscape Architects 2
Other Technical 60
Administrative 16
Total in Firm 168

National Sports Center, Blaine, MN;
Middle School and High School additions, Mahtomedi, MN;
Municipal Public Works Facilities, Golden Valley, MN;
3M Plant Expansion, Nekoosa, WI;
City Hall Addition and Remodeling, Maple Wood, MN;
Health & Life Fitness Center, Northwestern College, Roseville, MN.

THE SULLIVAN GROUP ARCHITECTS, INC.
2905 NW Blvd., Suite 140
Minneapolis, MN 55441
612/553-9119
Established 1985

Charles E. Sullivan AIA
Firm Personnel by Discipline
Architectural 1
Other Technical 1/2
Administrative 1/2
Total in Firm 2

Work %
Housing/Multiple 10
Residences/New & Remodel 10
Office Bldgs./Banks 10
Retail/Commercial 10
Industrial/Mfg. 5
Medical/Health 15
Churches/Worship 5
Interior Arch. 25
Facility Consulting 10

Medtronic Inc., Plaza Conference Center, Mpls., MN; St. Anthony Eldercenter On Main, remodeling & addition, Mpls.; VA Medical Center, Therapeutic Radiation Remodeling, Mpls., MN.; Medtronic Inc., Law Department, Mpls., MN.; Golden Valley Health Center Remodeling, Golden Valley, MN.

TOLZT, KING, DUVALL, ANDERSON & ASSOC., INC.
1409 Willow St.
Minneapolis, MN 55403
612/871-7979
Fax: 612/871-8088
Established 1969

Duane Thorbeck FAIA
Marc Partridge AIA
Dan Weatherman
Firm Personnel by Discipline
Architectural 4
Other Technical 2
Administrative 2
Total in Firm 8

Work %
Housing/Multiple 20
Municipal 30
Education/Academic 40
Recreational 10

Agricultural Research and Industry facility, Penn State Univ., Univ. Park, PA; Purina Farms, Ralston Purina Company, St. Louis, MO; Minnetonka Police Station & City Hall remodel, Minnetonka, MN; International Wolf Center, Ely, MN; 3-D Technology Center, Minneapolis College of Art & Design, Mpls., MN; Fish Lake Recreational Center, Maple Grove, MN.
TSP ONE, INC.
1500 Highway 52 North
Rochester, MN 55901
507/288-8135
Fax: 507/288-7220
7301 Ohms Lane Suite 480
Minneapolis, MN 55435
612/830-0070
Fax: 612/830-2507
Established 1969
ROIKT K. Toulouse
James D. Braucher
Steven D. Sorensen
Karl J. Dirksen
Dennis (». Leslie
Robert A. Cline

Firm Personnel by Discipline
Architectural 12
Engineering 12
Interior Designers 1
Other Technical 10
Administrative 7
Total in Firm 42

Work %
Housing/Multiple 5
Office Bldgs./Banks 10
Retail/Commercial 15
Industrial/Mfg. 15
Medical/Health 15
Elevator Lobby Addition, Mpls.; Administrations Building, Shop, Warehouse, Seneca West Treatment Plant, Eagan, MN; Telephone Equipment Buildings Conversion & Remodeling, Wayzata & Golden Valley, MN; Waste Treatment Plant Office/Maint. Remodeling, Stillwater, MN; Two Telephone Equipment Buildings, Andover, MN.

VTYSON ASSOCIATES, INC.
711 West Lake Street
Minneapolis, MN 55408
612/827-5484
Fax: 612/827-0921
Established 1977
Jay W. Tyson
AIA
Firm Personnel by Discipline
Architectural 5
Total in Firm 5

Work %
Office Bldgs./Banks 25
Industrial/Mfg. 50
Interior Arch. 20
Education/Academic 5
Elevator Lobby Addition, Mpls.; Administrations Building, Shop, Warehouse, Seneca West Treatment Plant, Eagan, MN; Telephone Equipment Buildings Conversion & Remodeling, Wayzata & Golden Valley, MN; Waste Treatment Plant Office/Maint. Remodeling, Stillwater, MN; Two Telephone Equipment Buildings, Andover, MN.

VEDI ASSOCIATES, INC.
1129 Washington Ave. South
Minneapolis, MN 55415
612/333-4670
Established 1984
P. S. Vedi
AIA
Firm Personnel by Discipline
Architectural 1
Engineering 1
Other Technical 4
Administrative 1
Total in Firm 7

Work %
Medical/Health 15
Restoration/Preservation 15
Municipal 10
Parking Facilities 60
Hopkins Parking Facility, Hopkins, MN; Grand Central Parking Expansion, St. Cloud, MN; Radisson Suite Hotel, St. Cloud, MN; Centennial Office Building Parking Facility Repair, St. Paul, MN; Crossroads Aftercare Parking Facility Modifications, Mpls., MN

VETTER JOHNSON
ARCHITECTS, INC.
1506 Friar Lane
Minnetonka, MN 55343
612/936-0050
Established 1989
Mark A. Vetter
AIA
Steven C. Johnson
AIA
Firm Personnel by Discipline
Architectural 3
Administrative 1
Total in Firm 4

Work %
Housing/Multiple 5
Municipal 40
Education/Academic 55
Nicollet County Courthouse Renovation, St. Peter, MN; High School Addition, St. Peter, MN; Lake City Police Facility, Lake City, MN; Park Elementary School Study, Le Sueur, MN; Miller Residence, Northfield, MN.

WILLIAM A. VIEWERING,
ARCHITECT, INC.
1939 Munster Ave.
St. Paul, MN 55116
612/699-1294
Established 1971
Wm. A. Viewering
AIA
Firm Personnel by Discipline
Architectural 3
Engineering 4
Other Technical 4
Administrative 1
Total in Firm 7

Work %
Residences/New & Remodel 55
Office Bldgs./Banks 5
Retail/Commercial 5
Medical/Health 5
 Churches/Worship 15
Interior Arch. 15
Education/Academic 10
First United Methodist Church, Cumberland, WI; Cumberland Federal Savings & Loan, WI; Jacobson Optometrist Bldg., Cumberland, Cizek Residence, Amery, WI; Thrice Cooking School, St. Paul, MN; St. Gregory's Church addition, St. Paul, MN; Thrice Cooking School, St. Paul, MN; Richfield High School Guidance Suite Addition & Remodeling, Richfield, MN.

108 ARCHITECTURE MINNESOTA
### WAI/CONTINUUM
381 East Kellogg Boulevard
St. Paul, MN 55101
612/227-0644
Fax: 612/223-5092
Established1945
David G. Wolterstorff AIA
James D. Voigt AIA
Donald L. Curwick
Ronald M. Korpi
Scott R. Koester

### WALSH BISHOP ASSOCIATES
920 Second Ave So., Suite 210
Minneapolis, MN 55402
612/338-8799
Fax: 612/337-5785
Established1984
Dennis Walsh AIA
Wayne Bishop AIA
Ron Smith
Marc Sanders

### THE WEIDT GROUP, INC.
110 West 2nd St.
Chaska, MN 55318
612/448-6404
Established 1977
John L. Weidt AIA
Firm Personnel by Discipline
Architectural 4
Engineering 3
Other Technical 2
Administrative 2
Total in Firm 9

### WEMLINGER ARCHITECTURE
1521 Northway Dr., Suite 101
St. Cloud, MN 56302-0519
612/253-2100
Fax: 612/253-2269
Established 1979
Fredric Wemlinger AIA
Craig Hess AIA, CCS
Firm Personnel by Discipline
Architectural 4
Interior Designers 3
Other Technical 2
Administrative 3
Total in Firm 13

### RICHARD WHITEMAN
130 W. Superior St., Suite 616
Duluth, MN 55802
218/722-2472
Established 1983
Richard F. Whiteman AIA
Firm Personnel by Discipline
Administrative 3
Total In Firm 3

### WILSON/JENKINS & ASSOCIATES, INC.
601 Lakeshore Parkway, Ste. 330
Minnetonka, MN 55343
612/449-4500
Office in Chicago, IL
Established 1981
Edward A. Farr AIA
Donald F. Wilson AIA
Alex Jenkins AIA

### WILLIAMS/O'BRIEN
45 South 9th St.
Minneapolis, MN 55402
612/338-8981
Established 1962
Lorenzo D. Williams FAIA
James K. O'Brien AIA
Firm Personnel by Discipline
Architectural 5
Total in Firm 5

### WINSOR/FARICY
ARCHITECTS, INC.
28 West Fifth Street
St. Paul, MN 55102
612/227-0655
Fax: 612/223-8030
Established 1971
Richard T. Faricy FAIA
Wayne R. Winsor AIA
Eugene C. Nelson AIA
Michael Jordan AIA
Donald J. Leier AIA
Harold C. Olsen AIA

### ARCHITECTURE
110 West 2nd St.
Chaska, MN 55318
612/448-6404
Established 1977
John L. Weidt AIA
Firm Personnel by Discipline
Architectural 4
Engineering 3
Other Technical 2
Administrative 2
Total in Firm 9

### ADMINISTRATIVE
2

### OTHER TECHNICAL
2

### RESIDENTS NEW/REMODEL
14

### RESTORATION/PRESERVATION
30

### COMMERCIAL
10

### RESIDENTIAL NEW/REMODEL
10

### EDUCATION/ACADEMIC
10

### RESIDENTIAL NEW/REMODEL
10

### GOVERNMENT
5

### SETUP:
Office Bldgs./Banks
Medical/Health
Churches/Worship
Education/Academic

### WORK:
Office Bldgs./Banks
Medical/Health
Churches/Worship
Education/Academic

### NAME,
WAYZATA, MN

### FALLON MCFILIGOTT
INTERIOR DESIGN
Bloomington, MN

### BOSWORTH INC.
INTERIOR DESIGN
AT&T Tower, MPLS.

### THE TORO COMPANY,
INTERIOR ARCHITECTURE
RESTORATION/PRESERVATION
MEDICAL/HEALTH

### RESTORATION/PRESERVATION
10

### INDUSTRIAL/MFG.
10

### RETAIL/COMMERCIAL
25

### ADMINISTRATIVE
2

### OTHER TECHNICAL
2

### TOTAL IN FIRM
3

### WORK:
Residential/Remodel
Office Bldgs./Banks
Urban Design

### UNIVERSITY OF MN.

### RESTORATION/PRESERVATION
20

### EDUCATION/ACADEMIC
20

### RESIDENTIAL NEW/REMODEL
10

### ADMINISTRATIVE
5

### RESTORATION/PRESERVATION
5

### MUNICIPAL
5

### EDUCATION/ACADEMIC
5

### RESTORATION/PRESERVATION
5

### MUNICIPAL
5

### EDUCATION/ACADEMIC
5

### TOTAL IN FIRM
5

### WORK:
Residential/Remodel
Office Bldgs./Banks
Urban Design

### UNIVERSITY OF MN.

### RESTORATION/PRESERVATION
20

### MUNICIPAL
5

### EDUCATION/ACADEMIC
5

### RESTORATION/PRESERVATION
5

### MUNICIPAL
5

### EDUCATION/ACADEMIC
5

### TOTAL IN FIRM
5

### WORK:
Residential/Remodel
Office Bldgs./Banks
Urban Design

### UNIVERSITY OF MN.

### RESTORATION/PRESERVATION
20

### MUNICIPAL
5

### EDUCATION/ACADEMIC
5

### RESTORATION/PRESERVATION
5

### MUNICIPAL
5

### EDUCATION/ACADEMIC
5

### TOTAL IN FIRM
5

### WORK:
Residential/Remodel
Office Bldgs./Banks
Urban Design

### UNIVERSITY OF MN.

### RESTORATION/PRESERVATION
20

### MUNICIPAL
5

### EDUCATION/ACADEMIC
5

### RESTORATION/PRESERVATION
5

### MUNICIPAL
5

### EDUCATION/ACADEMIC
5

### TOTAL IN FIRM
5

### WORK:
Residential/Remodel
Office Bldgs./Banks
Urban Design

### UNIVERSITY OF MN.
WIRITANEN CLARK LARSEN ARCHITECTS, INC.
1433 Utica Avenue S., Ste. 162 Minneapolis, MN 55416
612/541-9969
Fax: 612/541-9554
Established 1981
Michael D. Wirtanen AIA
W. David Clark AIA
Firm Personnel by Discipline
Architectural 7
Interior Designers 1
Other Technical 3
Administrative 1
Total in Firm 12
Office Bldgs./Banks 10
Retail/Commercial 60
Industrial/Mfg. 20
Municipal 5
Interior Arch. 5
Target Stores remodelings, throughout the U.S.; Mohawk Data Storage, Bloomington, MN; Service Merchandise Stores, FL, AL & MS; Duckwood Square, Eagan, MN; Thermostor Plastica, White Bear Township, MN; Data Recognition, Minnetonka, MN.

WOBKEN, WALSH, NOREEN ARCHITECTS, INC.
475 Cleveland Ave. North
St. Paul, MN 55104
612/646-4305
Fax: 612/646-1556
Established 1986
Terry Wobken AIA
Robert J. Walsh Jr. AIA
James S. Noreen AIA
Firm Personnel by Discipline
Architectural 8
Interior Designers 2
Other Technical 4
Administrative 2
Total in Firm 16
Housing/Multiple 5
Office Bldgs./Banks 30
Retail/Commercial 5
Industrial/Mfg. 5
Interior Arch. 10
Education/Academic 5
Facility Management 5
INCSTAR Corp., Stillwater, MN.; National Computer Systems, Eden Prairie; Cardiac Pacemakers, Inc., Arden Hills, MN; Rasmussen Business College, Eagan, MN; Wescott Hills Housing, Eagan MN; Helix BioCare, Plymouth, MN.

THE WOLD ASSOCIATION
6 W. 5th St., Suite 520
St. Paul, MN 55102
612/227-7773
Fax: 612/227-5646
Established 1968
Norman L. Glewwe AIA
Michael P. Cox AIA
Kevin P. Sullivan AIA
Cliff Biukema AIA
Caren Iverson BBD
Firm Personnel by Discipline
Architectural 19
Interior Designers 2
Other Technical 2
Total in Firm 27
Office Bldgs./Banks 20
Restoration/Preservation 15
Municipal 15
Interior Arch. 10
Education/Academic 40
Dakota County Courts & LEC, Hastings, MN; St. Paul Building, St. Paul, MN; Regional Service Center, Brainerd, MN; Hidden Valley Elementary, Savage, MN; Cuyuna Range Elementary, Crosby, MN; Starns County Law Enforcement Center, St. Cloud, MN.

WOLFGRAM/KNUTSON ARCHITECTS, LTD.
2850 Metro Drive Suite 215
Minneapolis, MN 55425
612/851-7161
Fax: 612/851-7162
Established 1983
Craig D. Wolfgam AIA
Steven J. Knutson AIA
Firm Personnel by Discipline
Architectural 3
Administrative 1
Total in Firm 4
Housing/Multiple 5
Residences/New & Remodel 5
Office Bldgs./Banks 20
Retail/Commercial 10
Industrial/Mfg. 40
Municipal 10
Education/Academic 5
Interior Architecture 5
Entrance addition for MN D.O.T. Bldg., St. Paul; Hazelwood Pioneer House Additions & Remodeling, Plymouth, MN.; Nash-Finch Co., Grocery Stores, Mpls, MN; Phase IV/IV, Office Building Remodeling, Mpls, MN; Mishek Residence, North Oaks, MN; Excellence Co., Plant Remodeling, Mpls, MN.

YAGGY COLBY ASSOCIATES
717 Third Avenue SE
Rochester, MN 55903
507/888-6464
2600 Eagan Woods Dr., Ste. 150
Eagan, MN 55122
612/681-9406
Established 1972
Ronald V. Yaggy PE
Donald R. Borchering PE, RLS
Christopher W. Colby AIA
Darrell L. Lewis
Donald L. Fiscus ASI .A
Firm Personnel by Discipline
Architectural 7
Engineering 8
Landscape Architects 2
Planners 4
Other Technical 20
Administrative 9
Total in Firm 50
Retail/Commercial 20
Municipal Engineering 30
Planning 20
Development Engineering/ Surveying 30
Peace Plaza & Streetscape, Rochester, MN; Krass & Monroe Law Offices, Southpointe Tower, Bloomington, MN; US Post Office Facility, Rochester, MN; Chestersons Regional Park, Olmsted County, MN; Penn/66th Street Planning Area Study, Richfield, MN; F & M Distributors/Centennial Lakes Plaza, Edina, MN.

YOUNG & WILZ ARCHITECTS, LTD.
119 North 4th St., Suite 409
Minneapolis, MN 55401
612/339-0997
Established 1983
Stephen Young AIA
Lawrence E. Wilz AIA
Firm Personnel by Discipline
Architectural 1
Other Technical 1
Total In Firm 5
Housing/Multiple 30
Retail/Commercial 5
Medical/Health 50
Restoration/Preservation 5
Municipal 5
Education/Academic 5
The Minnesota Daily, Mpls, MN; Family Care Clinic, Buffalo, MN; Mork Clinic, Elk River, MN; St. Mary's Health One Hospital & Home, Winsted, MN; Hamline Park Townhomes, St. Paul, MN; Floren Residence, Orono, MN.

MARTHA YUNKER ARCHITECTURE
3766 West Calhoun Pkwy.
Minneapolis, MN 55410
612/235-3698
Fax: 612/235-3698
Established 1986
Martha Yunker AIA
Firm Personnel by Discipline
Architectural Total in Firm 2
Work %
Residences/New & Remodel 60
Retail/Commercial 40
Mondale Residence, Mpls; Room and Board, Edina, MN; Skokie, IL; Kunin Residence, Mpls; Boren Residence, Mpls, MN; Bacio, Mpls, MN; Reinstein Residence, Mpls.

ZUBER ARCHITECTS, INC.
836 W. 79th St.
Bloomington, MN 55420
612/884-6204
Fax: 612/884-0049
Established 1976
Jeri E. Zuber AIA
Wylie Sands Baker
Firm Personnel by Discipline
Architectural 5
Administrative 1
Total In Firm 6
Residences/New & Remod. 5
Office Bldg./Banks 5
Retail/Commercial 80
Industrial/Mfg. 10

110 ARCHITECTURE MINNESOTA
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emphasizing the overall square footage of a room, as is so often the
case in housing design today, these
spaces kept in mind the suitability
of a place for a particular activity.
Suitability had to do not only with
scale and proximity to other activi-
ty areas, but also, whether by de-
sign or happenstance, with comfort.

Such childhood experiences have
made me acutely aware that we are
subtly shaped by the special places
presented to us by the houses we
live in. A house that offers places
for interaction and places for secur-
ity, a house that recognizes its in-
habitants' feelings as well as their
functional requirements, will be a
far more nurturing and engaging
environment than one that ignores
the nature of human beings.

I can best illustrate how archi-
tects can incorporate a recognition
of these essentially physiological re-
sponses to environment by describ-
ing several examples from my own
work over the last few years.

A particularly good example is
that of a client couple who liked the
idea of having a two-story living
room in their new house. They not-
ed, however, that they had rarely
used a living room of similar height
in a previous house except for par-
ties. After hearing their comments
about the room, I explained to them
that in order for one or two peo-
ple to feel comfortable in a large or
high space, it often is helpful to low-
er the ceiling or bring in the walls a
little around the area where an ac-
tivity such as sitting is likely to oc-
cur. This gives the spaces a sense of
shelter without visually separating
them from the rest of the room.

Their previous living room had
not been designed to nurture activi-
ties engaging only one or two peo-
ple, but had provided that sense of
shelter only for larger numbers of
people. Thus, they had used the
room only when they had parties or
family gatherings. If we were to
have a two-story living room in the
new house, I pointed out, we would
need to design it so that it offered
comfortable sitting places for small
or large numbers.

One of my friends came to me for
some advice a few years ago on a
new house she had just bought,
wanting to know how she could tai-
lor it to her family's lifestyle. I knew
that in her previous house her fami-
ly tended to congregate around the
kitchen eating area, even though
that space had been one of the least
desirable aesthetically in the whole
house. It had been far from any
windows, with bench seats of mar-
roon vinyl (with sparkles!) and a
scratched laminate table top to
match. But because it was in the
middle of everything, it was heavily
used and visible from many places
in the house, which made it feel like
a hub for activity.

I pointed this out to my friend
and suggested that we redesign the
kitchen eating area of her new
house, an almost equally undesir-
able spot, to be both the visual cen-
ter as well as a pleasant place to sit.
So we added a tall south window,
shaped the space into an
alcove—adjacent to the intei-
ces(e( of two main circulation routes
through the house—and found a
good-looking oak table with
accompanying chairs to complete
the space. The family had estab-
lished patterns of interaction that
first had to be recognized and then
incorporated into the design in or-
der to make their primary congre-
gating place a hospitable one.

Another couple had asked our
firm to design a small but spatially
interesting house. Their budget was
tight enough that 8-foot ceilings (the
height of a standard stud) were nec-
essary for economy. But to make
the house more interesting visually
and spatially, we designed the house
to have partial views diagonally
from room to room, so that the
house would seem larger than it re-
ally was. The views from one space
to the next were as carefully con-
ceived as the functional layouts of
each room.

Considering interior views in this
way can help to avoid a feeling of
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& Rietow
Owner: United States Development Corporation

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Comfort comes not from the
stylistic leanings or external appearance of a space, but rather from the unquantifiable aspects of design. These elements are as hard to pinpoint, Rybczynski says, as the qualities of an excellent wine. A scientific formula is incapable of defining wine quality. The nose and the tastebuds are the judge, and there is remarkable agreement among tasters, despite our inability to identify exactly what it is that makes a wine so agreeable. So it is with the qualities of space. Our physiological responses to spaces of various shapes and sizes are surprisingly consistent, despite our lack of language.

I believe, as Rybczynski does, that we need as a society and as individuals to pay more attention to our responses to our surroundings, so that we can design our homes with these responses in mind. Comfort is vitally important to the success of a house, and yet because it eschews definition, it is often not considered at all. That this sort of oversight should occur so frequently in the building of a house, which for the average family is the largest single investment they will ever make, is a sad testament to the regard we hold for feelings in this age of technology and the quantifiable.

My own childhood experiences of special, delightful and comfortable places in which to spend time engaged in the everyday activities of life lead me to pursue that elusive image of home that so many of us hold within us. Even though it is not readily definable, like a good wine, it is recognizable, and through observation of one’s own responses to one’s surroundings, also reproducible. In my own practice it gives me enormous satisfaction to help others to find that same peace and security within their dwellings that I experienced as a child. It is attainable as long as we pay attention to our feelings as well as our intellects.

Sarah Susanka is a principal with Mulfinger & Susanka Architects, located in Minneapolis and Duluth.

AM
signed by that firm, such as its Des Moines, IA, high-rise.

p. 56—article format—text. "Strong forms, clean lines, James Stageberg spearheads his firm’s ventures into modernism." Correction: I believe the above statement as lead title text of the article laid over the 1199 Plaza full-page photo is misleading and again misrepresents the new Stageberg firm’s role in the design of this project.

p. 58—third paragraph. From “Thomas Hodne, who joined him [James Stageberg] in 1969” to the firms of Hodne Associates, Inc. and Stageberg (whatever his title was) merged their firms July 1, 1968, and incidentally unmerged in 1982. I did not join James’ firm nor did he join mine.

I was not consulted in any way regarding any of the projects in which I was involved. Therefore, I request that all further Architecture Minnesota references to Hodne/Stageberg Partners’ projects give proper studio credit and that both principals be consulted.

Thomas Hodne Jr., FAIA

Thomas H. Hodne currently resides in Winnipeg, Manitoba, and teaches in the Department of Architecture at the University of Manitoba. He selectively practices architecture and urban design in the United States and Canada with offices in Minneapolis and Winnipeg.

James Stageberg responds:

I am certainly glad to affirm that Thomas Hodne directed the 1199 Plaza Cooperative Housing project when we worked on it together in the Hodne-Stageberg Partners’ office. I regret that he felt his important role in this exciting project had not been sufficiently emphasized.

He is also correct that when we joined as partners, neither he joined my firm nor I, his. We were on an equal footing. As he mentions, the partnership was dissolved in 1982.

James Stageberg, FAIA
The Stageberg Partners Inc.

“Young Quinlan Reborn,”
January/February 1990

I was surprised that in your article “Young Quinlan Reborn” in the January/February 1990 issue Ms. Quinlan was credited for having the “first retail shop in Minneapolis to introduce electric lighting.” The earliest indication I have for Dayton’s using electric lighting are drawings dated 6/18/15 for an 8-bay, 8-story addition over an existing first floor which indicate a 500W ceiling outlet in the center of each bay. The architects for this addition were Long, Lamoreaux & Long, then located at 830 Hennepin Av. Another set of drawings by the same architects dated Feb. 24, 1920, while not showing lighting per se, do show electrical riser closets.

Unfortunately, the earliest interior photographs I have are not dated. They are of the 1902 building and show an electric light fixture in the center of each bay. One photograph was taken prior to sprinklers being installed in this building. While I do not have a date for sprinkler installation, there was a building permit issued on 2/10/06 for a 20,000-gallon water tank on the roof for a sprinkler system, which may indicate that electric lighting was used at Dayton’s at a very early date.

Thanks for the articles about retail. It is a good issue.

J. David Rasche, AIA
Store Architect
Dayton Hudson Department Store Company
Credits

Project: French residence
Location: Edina, Minn.
Client: Wayne and Ginny French
Architects: Mulfinger & Susanka Architects
Project manager: Cheryl Fosdick
Project designer: Cheryl Fosdick and Michaela Mahady
Project team: Cheryl Fosdick and Michaela Mahady
Structural engineers: Mattson/McDonald
Mechanical engineers: Mark Laliberte
Shelter Supply (consultant)
Contractor: Don Berg Construction
Interior design: Cheryl Fosdick, Wayne and Ginny French
Photographer: George Heinrich

Project: Anderson second-floor renovation
Location: Minneapolis, Minn.
Client: Sue and John Anderson
Project manager: Sue and John Anderson
Consulting architect: Richard Lay
Interior design: Anderson & Anderson
Photographer: Peter Lee

Project: Stephen Reinstein residence
Location: Minneapolis, Minn.
Architects: Martha Yunker Architecture
Principal-in-charge: Martha Yunker
Structural engineers: Israelson Reese Ellingson
Contractor: Michael Spear
Interior design: Tom Morin
Garden designer: Sally Nettleton
Lighting consultant: Martha Yunker
Photographer: George Heinrich

Project: Law residence
Location: Shoreview, Minn.
Client: Ed and Betty Law
Architects: McGuire/Engler/Davis/Architects, P.A.
Principal-in-charge: Kelly R. Davis
Contractor: Joe Forrest Construction
Interior design: Ann Locay, Marvel Norton
(used separately)
Photographer: George Heinrich

Project: Mondale residence
Location: Minneapolis, Minn.
Client: Joan and Walter Mondale
Designer: Jay Bush with Peggy Rudberg
Architect: Martha Yunker
Contractor: Reuter Construction
Interior design: Maria Lentz
Landscape architect: Sarah Baker Ross
Photographer: George Heinrich

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George Washington Maher left his architectural mark throughout the Midwest. But after the 1987 razing of Rockledge, the house near Winona that Maher designed for E.L. King in 1911, Minnesota’s collection of Maher’s buildings suffered a serious reduction.

Maher, who worked alongside Frank Lloyd Wright in the Chicago office of James Lyman Silsbee, developed his own style of Prairie School architecture—a commercial variety that spawned pockets of Maher-designed homes in affluent areas of Illinois. In 1897, Maher conceived the “motif-rhythm theory,” a means to unify the surroundings of a house with its interior through liberal use of such design motifs as leaves, trees and flowers.

Although the typical Maher house was a low, suburban structure, Rockledge was designed for no ordinary client and thus became an extraordinary Maher creation. The site was a bluff above the Mississippi River just outside Winona, the town where E.L. King had marched the J.R. Watkins Medical Products Company into the high-rolling world of international business. King demanded from Maher, and got, a house that any visitor would remember.

For Rockledge, Maher borrowed from the river-bluff surroundings a lily motif and the brown, green and orange colors of the area’s cliffs, plants and flowers. Lilies appeared on the glass panels of lamps, drapes and upholstery fabric, all of which Maher designed. He plotted the house like a bungalow, with a tile roof and a brawny oak staircase.

In 1931, five years after Maher’s death, the King family redesigned the interior, adding a bowling alley, marble staircase and chrome hardware. Maher’s furniture was exiled to a barn, where it long remained. The Minneapolis Institute of Arts recently acquired one of the chairs, and a second chair has joined the art collection of the Norwest Corporation.

For several years before its razing, Rockledge stood empty, an easy target for vandals and roosting pigeons. With the house now gone, only the Winton House at 1324 Mt. Curve Av. in Minneapolis and the J.R. Watkins Building in Winona remain in Minnesota as examples of Maher’s work.

Jack El-Hai
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