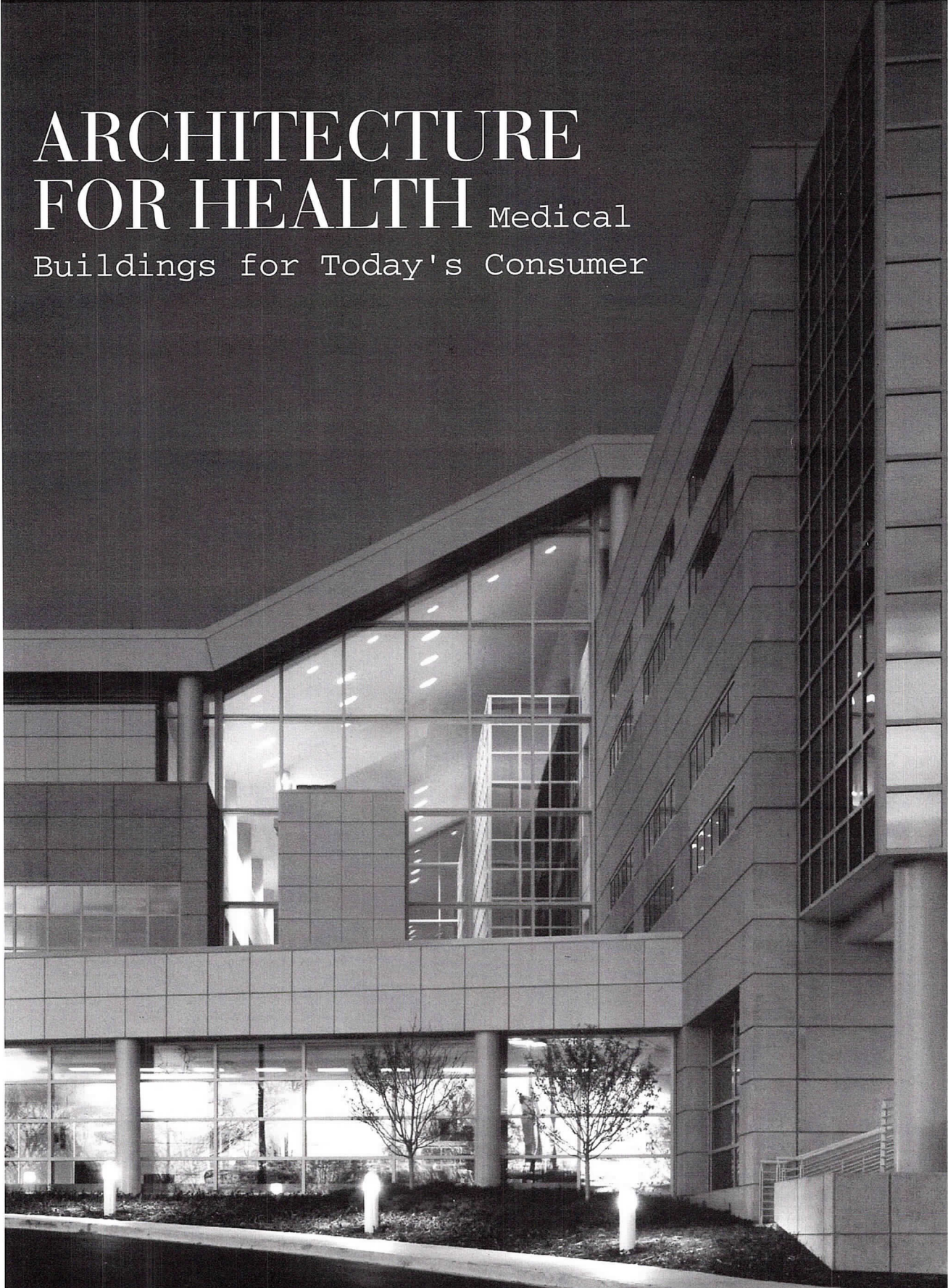


AIA Chicago

FOCUS

January  
1996

ARCHITECTURE  
FOR HEALTH Medical  
Buildings for Today's Consumer



A Chapter of the  
American Institute  
of Architects



# FOCUS

Read All About It

EDITOR  
Susan Nelson

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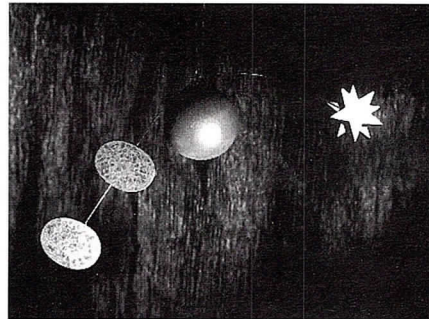
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Loyola University Medical Center in Maywood, IL by Perkins & Will. Photo by George Lambros.

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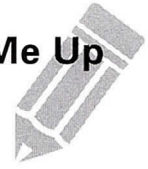
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# FOCUS ON PROGRAMS

Sign Me Up



## 1996 Design Committee

Tues., January 2, 5:45 p.m.; AIA Chicago  
Sponsor: Design Committee

The Design Committee will meet at the AIA offices to outline a strategy for the year and to delegate responsibilities for upcoming events. This is an opportunity for potential members to learn more about the Committee's activities. For more information, contact chair Constantine Vasilios, AIA at 312/431-0331 or CDVAIA@AOL.com. RSVP using form at right.

## 1996 Planning and Urban Affairs Committee

Wed., January 10, Noon; AIA Chicago  
Sponsor: Planning and Urban Affairs Committee

At this open meeting for new members, the Committee will discuss current issues and trends and plan for 1996 programs. For more information, call chair Len Koroski, AIA at 312/938-4455.

## Designing Sustainable Systems

Tues., January 16, 5:30 p.m.; AIA Chicago  
Sponsor: Committee on the Environment



James Patchett, president of the Conservation Design Forum, Inc., will speak on the importance of the integration of architecture into the project site. Patchett, whose company specializes in environmental site planning and design, will also discuss the use of multi-disciplinary teams of architects, landscape architects, and engineers to combine the built and natural environment. For additional information, call Carol McLaughlin Schlensker, AIA at 312/408-1297. Please RSVP using form at right.

## Cost Estimating

Mon., January 22, 6:00 p.m.; AIA Chicago  
Sponsor: Young Architects Committee



Gary Marden of Hanscomb Associates, Inc. will present effective cost estimating techniques. Please RSVP using form at right.

## The Right Way to Grow

Tues., January 23, 5:30 p.m.; AIA Chicago  
Sponsor: Office Practice Committee



Starting an architectural practice, or expanding an existing one, involves many variables. Organization, design, management, cash flow, overhead, marketing, staff selection, automation, budgets—almost overnight you realize you can no longer operate with a business plan printed on a 3 x 5 card. But what areas should concern you the most? For insight into the planning process, join the Office Practice Committee for a panel discussion with Tom Shafer of Shafer Architects P.C., Susan Conger-Austin of Susan Conger-Austin Architect, and Jonathan Fischel of Yas/Fischel Partnership, who will share their ideas, goals and experiences. RSVP using form at right.

## Developer Olympics I: Introduction to the Development Process

Wed., January 24, 5:30 p.m.; AIA Chicago  
Sponsor: Real Estate Committee



In the first of a 10-month series of development seminars, David Crawford and David Kleinman, principals of D2 Realty Services, will present an overview of the development process, including an introduction to the pro forma.

- 1/2 Design Committee:  
1996 Planning
- 1/16 Committee on the Environment:  
Designing Sustainable Systems
- 1/22 Young Architects Committee:  
Cost Estimating
- 1/23 Office Practice Committee:  
The Right Way to Grow
- 1/24 Real Estate Committee:  
Introduction to Development Process

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## With Clarity of Purpose and an Abundance of Energy

It is with great respect and admiration for my predecessors that I begin my tenure as president of AIA Chicago. I am particularly grateful to Bill Bradford, AIA, who worked so hard during 1995 and hands over a very shiny baton, and to Alice Sinkevitch, executive director of the Chapter, who leads an incomparable staff.

1996 will be very busy. As planning for the year progresses, it's becoming increasingly clear that our Chapter is healthy and well positioned to grow both in size and effectiveness. Hundreds of committee activities and programs indicate another year of growth, allowing us to shift more of our energies from organizational sustenance to efforts that impact architects' influence on the built environment. In fact, our Strategic Plan mandates a

rather exciting turn outward—a turn the Chapter takes with clarity of purpose and an abundance of energy.

### Purpose

The Strategic Plan establishes three primary goals:

1. To take advantage of our collective strength.
2. To continue to improve and learn and to help each other to do so.
3. To be mindful of the value of our contributions and seek opportunities to inform our public about them.

### Energy

Our effectiveness grows in direct proportion to our level of activity and energy. If you are an AIA member and feel the AIA is an abstract dues destination or a set of initials, then I would encourage you to consider the greater

benefits of participation in any of the Chapter's programs. By doing so, I believe you will grow professionally, but you will also add to the strength and significance of *your* profession.

In 1996 we look forward to effective discourse with schools of Architecture, continuation of the new Design Review panel; new methods of communication with governmental bodies; a third Public Lecture Series; "Ingenious Solutions," a major exhibition celebrating the art of residential architecture; an invigorated public outreach program; and, of course, our annual awards program, plus much, much more.



John Syvertsen, AIA

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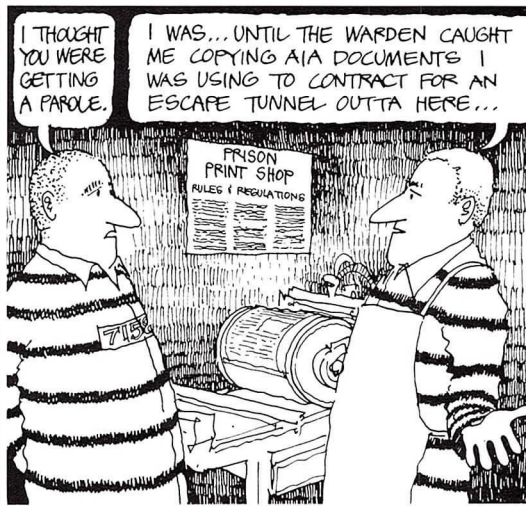


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— by Roger K. Lewis, FAIA

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## Chicago Firms Top National Honor Awards

For many AIA Chicago member firms, 1995 was a year worth repeating. Of the 27 national awards for architecture, urban design and interiors presented by the AIA, seven went to firms located here, more than any other single city. Winning projects ranged from the restoration of a city landmark to the design of a Gold Coast interior to the construction of a European office building. The projects, and the honors they received, represent the diverse field of talent at home in Chicago.

### Honor Awards for Architecture

Skidmore, Owings & Merrill

*Martin Theatre, Ravinia Festival*

Perkins & Will

*Perry Community Education Village*

Murphy/Jahn, (two)

*Munich Order Center*

*KUDAMM 70*

Harry Weese Associates

*Buckingham Memorial Fountain*

### Honor Awards for Urban Design

DLK Architecture Inc.

*Congress Viaduct and Plaza*

### Honor Awards for Interiors

Valerio Dewalt Train Associates

*Gardner Residence*

## Foundation Invigorated by Increased Donations

In 1995, donations to the AIA Chicago Foundation totaled over \$6,000, more than double the previous year. The Foundation board attributes the increase to a public relations effort that included the mailing of an informational brochure to AIA Chicago members and the addition of honorary trustees to the Foundation's board.

The increase in donations enabled the group to award three architectural study grants totaling \$8,000. A \$2,500 grant was made to Perspectives: Films/Video for editing a series of interviews the production company conducted last year with Larry Perkins. Perspectives: Films/Video also received a contribution from Perkins & Will for final editing and presentation of the interviews.

Virginia Greene received a \$5,000 grant to publish *The Architecture of Howard Van Doren Shaw*, and Timothy Murphy, a graduate of the University of Illinois at Chicago, used the Roche Traveling Scholarship for a study of rail stations in Europe. The results of his study were presented to the Foundation's board and trustees in December and will be featured in the February issue of FOCUS.

The Foundation's 1995 board of directors included Linda Searl, FAIA, president; Ray Ovresat, FAIA, past president; Kay Offerman, secretary/treasurer; and trustees Gaines Hall, FAIA and Paul Lurie. As Ovresat leaves the board, Jack Hartray, FAIA becomes its newest member. Twenty-eight distinguished architects and members of the community were elected as the group's first honorary trustees.

Donations are requested for 1996 in order to help recognize and support activities that elevate the ideals of the profession, illuminate the body of knowledge about architecture, and exhibit excellence in the making of the built environment. The AIA Chicago Foundation is a not-for-profit [501 (c) 3] corporation to which tax deductible gifts may be donate. For information on making a donation, call Linda Searl, FAIA at 312/251-9200 or AIA Chicago at 312/670-770.

## Seminar to Spotlight Careers for Architects

On Saturday, March 2, AIA Chicago is co-sponsoring "Architecture: Professional Pathways," a seminar designed to help architecture students and working architects explore career options. During two panel discussions at the Illinois Institute of Technology, seasoned architects, interior designers and urban planners will offer information about careers for those with an architectural education.

The first panel discusses options available in a "traditional" private practice, while the second presents choices on a "non-traditional" track such as government, construction management, and real estate development for institutions and private companies. A

question and answer session follows the panel presentations.

The half-day seminar begins at 9:30 a.m. Registration fee is \$5. Space is limited, and pre-registration is required. Call AIA Chicago at 312/670-7770 for a registration form.

## AIA Northeast Illinois Sponsors ARE Study Sessions

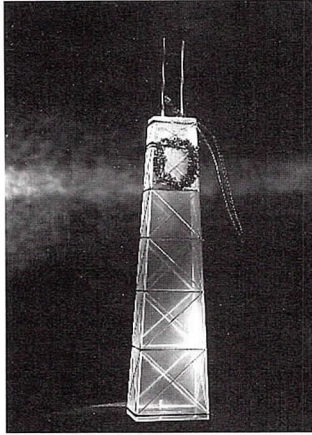
The 1996 Architectural Registration Exam is only six months away—have you started studying yet? The Young Architects Group of AIA Northeast Illinois again this year is sponsoring study sessions for all exam sections. Sessions begin in late January and run through April. Call Michael Elliot at 708/695-5840 or AIA Northeast Illinois at 708/527-8550 for schedule and registration information.

## "For Immediate Assistance..."

Last month AIA Chicago installed a voice mail system to make phone communication with the office more efficient and effective for members and the public. Now calls can be directed to the appropriate person quickly, and detailed messages can be left in voice mailboxes. The AIA Chicago staff specified a system that avoids the stereotypical "run-around" some voice mail systems give callers. A staff person will answer all calls, directing inquiries to the suitable line.



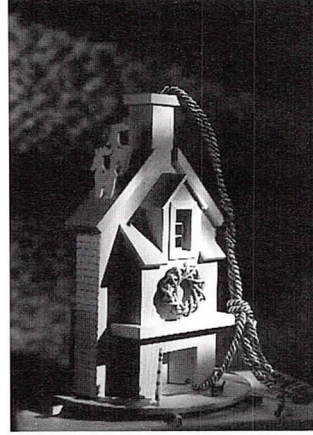
## Chapter Members Deck the White House Halls



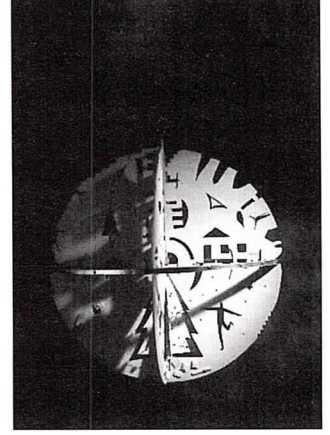
Nancy Abshire, AIA



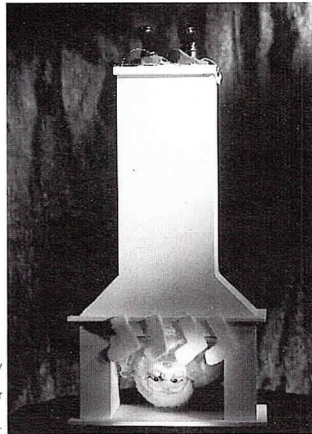
Peter Exley, AIA



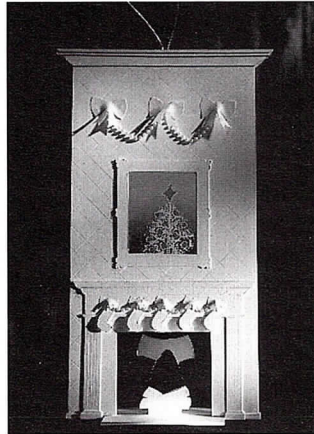
Scott Rappe, AIA



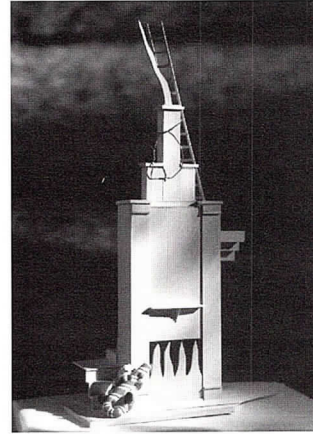
Margaret McCurry, FAIA / Dong Huy Kim



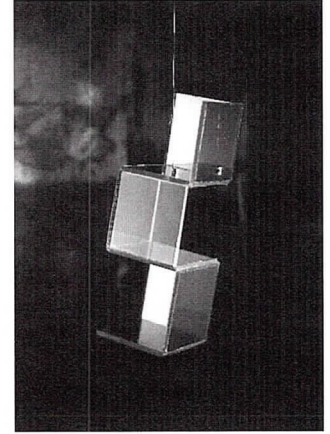
Chris Lee, AIA



Carol LaMar, AIA



Constantine Vasilios, AIA



Larry Kearns, AIA

Photography by  
Chris Barrett for  
Hedrich-Blessing

What do Socks the cat and nine AIA Chicago members have in common? Both had their eyes on the White House Christmas tree this year.

Although it wasn't quite the announcement made by Thomas Jefferson in 1792 for a competition to produce plans for "a president's house . . . in Washington, in the Territory of Columbia," several Chapter members were invited by Mrs. Clinton to produce ornaments for the Blue Room Christmas tree.

No doubt with the legacy of Jefferson in mind, the First Family adorned their main tree (it is one of 32 in the White House this year) with over 600 architect-designed ornaments inspired by the poem, "'Twas the Night Before Christmas."

The participating AIA Chicago architects received invitations from Mrs.

Clinton inviting them to personally preview the White House decorations in early December—with not a change order in sight. Chicagoans making the trip were Nancy Abshire, AIA; Peter Exley, AIA, Carol LaMar, AIA, Chris Lee, AIA; Scott Rappe, AIA Margaret McCurry, FAIA; and Constantine Vasilios, AIA—plus an entourage of family, friends and fans. Carol Ross Barney, FAIA and Larry Kearns, AIA also designed ornaments but were unable to attend the viewing.



Peter Exley, AIA (third from right) provided this report from the White House. Pictured with him at an AIA reception prior to the Christmas tree viewing are (from left to right): Chet Widom, FAIA, AIA president; Constantine Vasilios, AIA; Nancy Abshire, AIA; Carol LaMar, AIA; and Scott Rappe, AIA. Photo courtesy of the AIA.



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- **To give our clients a fast, easy, cost effective, no-pressure method of increasing staff when needed, for as long as needed**
- **To benefit our clients by assuming and accepting all employer liability.**

**I am happy to say I believe we have met those goals. What are our goals for the next 10 years and beyond? The answer is very simple--to continue giving our clients the best service possible!**

**Once again, thank you. We have had the good fortune to be a small part of an exciting, creative industry, and look forward to serving you in the future!**

**May you have joy and increased prosperity in 1996.**

**Sincerely,**



**Charles L. Poskonka**  
**President**





University of Nebraska Outpatient Care Center by  
Hansen Lind Meyer. Photo by Farshid Assasi.



# PATIENTS ARE A VIRTUE

## Designing Healthcare Facilities for Today's Medical Consumer

by Richard Miller, AIA and  
Earl Swensson, FAIA

Not so very long ago, the medical world was neatly divided into hospitals on the one hand and doctors' offices on the other. Sometimes, for the sake of convenience, the doctors' offices were housed in a medical office building (MOB) attached to or adjacent to a hospital, but, basically, never the twain did meet. Some doctors performed minor surgery in their office; "office surgery" it was called. Aside from this, surgery was the province of the hospital, and so was virtually any more or less complex procedure. The physician's office was primarily a place for examination, evaluation, and relatively simple routine procedures (inoculation, drawing of blood for lab tests, and so on). Anything beyond this was generally referred to a hospital, and that usually meant admittance to a bed, even if the condition or procedure did not absolutely necessitate an overnight stay.

For the simple reason that most of us grew up—as professionals or as patients—under that system, it seemed natural, inevitable, and right.

But, today and for the foreseeable future, this system is neither natural, inevitable, nor right. Depending on the course cost containment, managed care, and national health insurance take, it is a system that will likely become less and less viable, and perhaps, at some point, downright impossible.

There are two broad ways of looking at the paradigm shift that has been—and is—dissolving the barriers between "private" or "office" practice and the realm of the hospital. From the perspective of hospital professionals, the past decade or two have seen periods of boom in hospital construction, yet the more sustained trend has been toward vacancy of beds. Many administrators have viewed this with alarm. Other have been able to rethink the hospital beyond the overnight stay and successfully restructure for ambulatory care. In 1983, according to the American Hospital Association (AHA), fewer than 12 percent of total hospital revenues in the United States were outpatient related. Just four years later,

by 1987, that figure had increased to 23 percent, reflecting a 92 percent growth in that segment of the market. By the beginning of the 1990s, a significant number of hospitals reported 40 to 60 percent of their revenues resulting from outpatient services. Today, the mix in the majority of hospitals hovers on either side of 50/50—half outpatient revenue, half inpatient revenue.

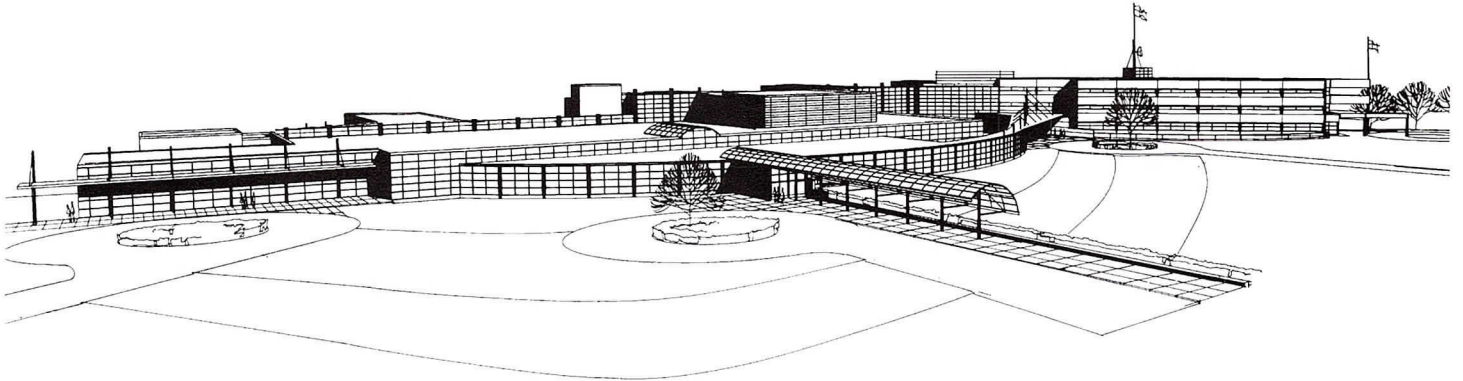
From the point of view of the physician, the day of the solo practitioner—long the virtually iconic norm in American medicine—is rapidly waning. The growth in the number of physicians has outpaced population growth, and increased competition and cost-containment pressures leading to more restrictive reimbursement practices, as well as the cost of maintaining malpractice liability protection have all contributed to a precipitous decline in the number of solo practitioners and concomitant explosion in the number of group practices. Group practices—usually three or more physicians who share

*continued on page 12*

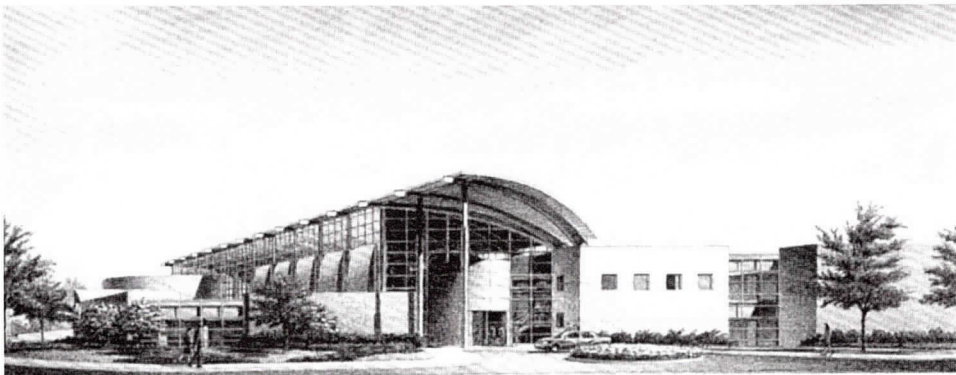


# CHICAGO HOPE

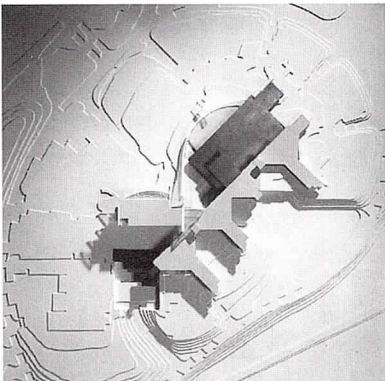
## What Local Designers Prescribe



Rush-Copley Medical Center by OWP&P. Rendering courtesy of the firm.



Northwest Community Hospital Wellness Center. Rendering courtesy of OWP&P.



A model of site plan for Rush-Copley Medical Center. Photograph courtesy of OWP&P.

Whether it's a wellness center by OWP&P or an ambulatory care unit by Perkins & Will, Chicago-based firms specializing in healthcare facilities know the ins and outs of modern medical buildings. Here's what some had to say.

### **OWP&P on Client Expectations**

The package of services that clients expect is comprehensive. It includes: feasibility/market studies, planning, preliminary design, financing, architectural/engineering, programming, manage-

ment and equipment planning and purchasing.

Clients expect a design that has its own identity, while remaining related to the healthcare campus.

ment and equipment planning and purchasing.

"In talking with clients about what services they find of great importance in the design of wellness centers, I have consistently heard two that stand out—programming and management," said Gary Collins, AIA, director of healthcare marketing for O'Donnell, Wicklund, Pigozzi and Peterson Architects. "What they mean by programming is knowing the importance of the clinical spaces (physical therapy/occupational therapy/cardiac rehab, etc...), the required square footage for these spaces as determined by the market. Management (operating the facility) is another service that, frankly, most teams are not yet able to offer."

Management, Collins explained, includes everything from hiring the center's workforce to determining programs to ensuring profitability.



## Hansen Lind Meyer on Patient Care

“One of the things we are seeing in all of the ambulatory facilities, actually in all healthcare design, is a refocusing of care onto the patient,” explained George Douglas, AIA of Hansen Lind Meyer. “Many facilities in the past were doctor or staff centered—which in turn benefited the patient. But now the focus is directly on the patient.”

Douglas, who is currently project director on an ambulatory care center for the University of Chicago, has found that staff efficiency is a positive outcome of patient-centered design because healthcare centers serve patients better if they facilitate the medical staff.

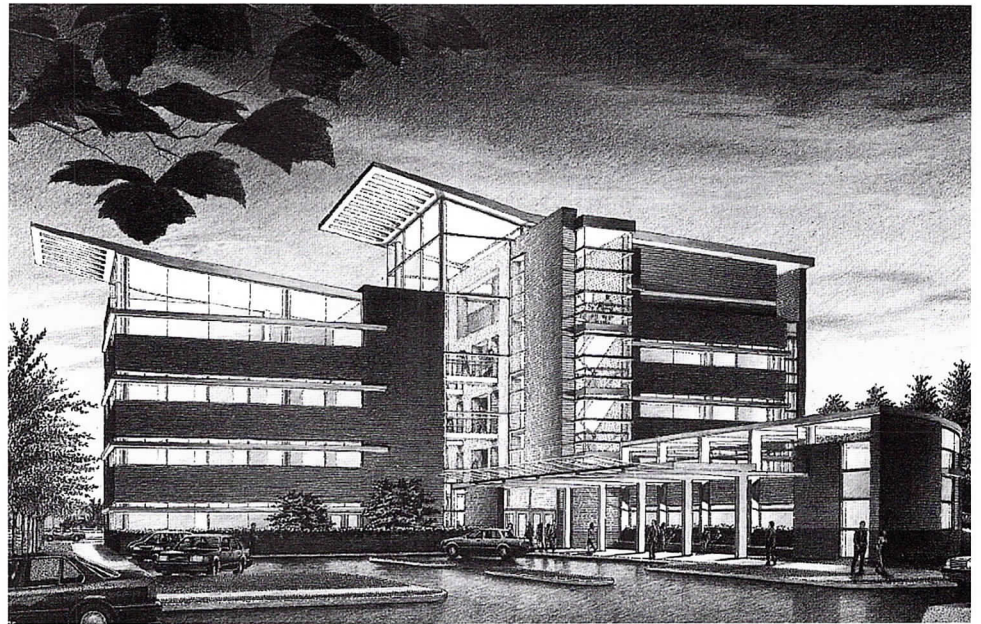
The foundation is that these places have to be efficient, but that's not enough. You have to go on and make them comfortable and welcoming places to work.

For patient-centered ambulatory care facilities, Hansen Lind Meyer designs structures with natural materials, daylight and easily understood circulation patterns. According to Douglas, spaces are not “all white and academic” but are geared to making the patient feel comfortable.

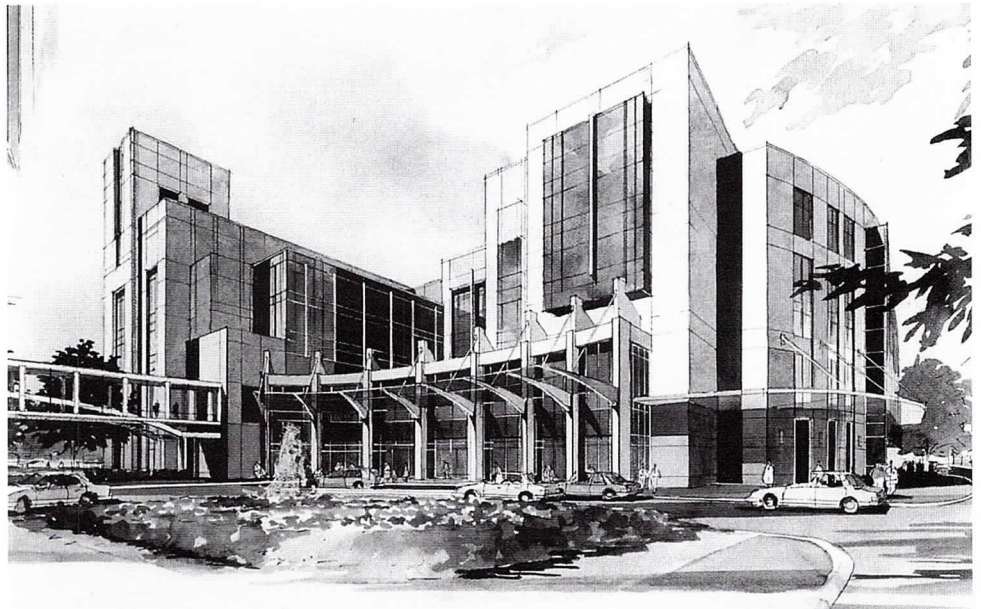
## Perkins & Will on Design

“Our clients need to provide more and more ambulatory care services, and they want cost-effective facilities,” said Jerry Quebe, FAIA of Perkins & Will. “That doesn't necessarily mean the cheapest; it means centers that are well-designed, durable, and representative of quality care.”

The design of ambulatory care facilities is increasingly important as providers realize the impact good design has on the functional outcomes of patient care. For instance, Quebe said, patients who are comfortable with their environment tend to develop better relationships with



Cook County/Rush Health Center by Perkins & Will. Illustration courtesy of the firm.



Duchossois Center for Advanced Medicine, University of Chicago Hospitals. Illustration courtesy of Hansen Lind Meyer.

doctors and nurses, find food more appetizing, and follow directions more effectively. Speedier recoveries for patients means a healthier bottom line for medical facilities.

Perkins & Will is currently working on schematic designs for a multi-million dollar facility for the University of Illinois at Chicago. Quebe said the project, which takes some of the traditional functions of a hospital and consolidates them into one building of shared “centers,” is indicative of projects throughout the country. With a modular design, each center can adjust to the waxing and waning of case loads by sharing space with other centers in the facility.

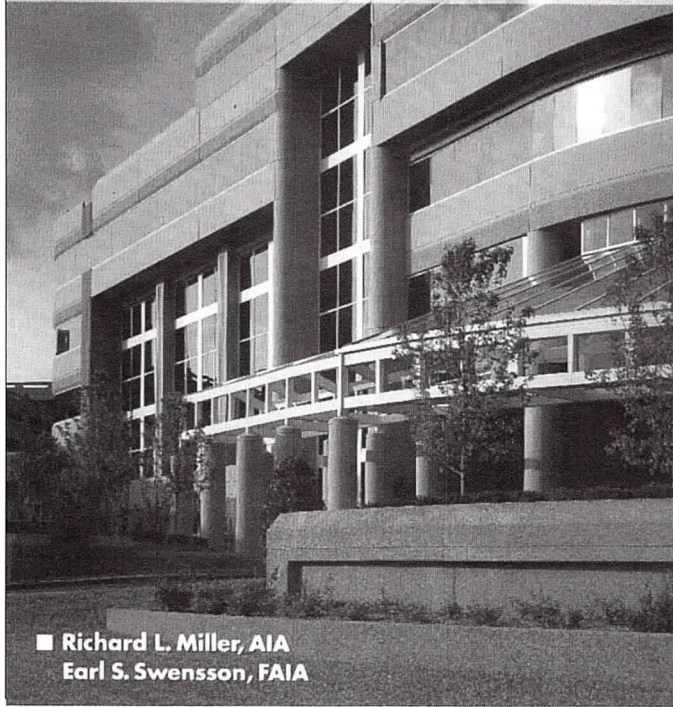


University of Nebraska Outpatient Care Center by Hansen Lind Meyer.



NEW DIRECTIONS IN

## HOSPITAL AND HEALTHCARE FACILITY DESIGN



■ Richard L. Miller, AIA  
Earl S. Swensson, FAIA

development of freestanding ambulatory surgery facilities, which numbered about 1,200 at the beginning of the decade.

Increasingly, hospitals have shown an interest in affiliating with group practices or even acquiring them. Increasingly, too, hospitals have been expanding outpatient programs to offer the same kind of “convenience” care available from freestanding facilities. Such freestanding convenience care was originally perceived as directly competing with the hospital emergency departments which evolved into two separate and discrete operations: one to handle emergent care (trauma, sudden severe illness) and another for urgent and

primary care (serving the kinds of patients who commonly visit a private physician or a freestanding convenience facility). In many hospitals nowadays, ambulatory convenience care is entirely separate from the emergency department. Finally, an increasing number of hospitals and hospital corporations are building freestanding community-based convenience facilities of their own. Beyond this, hospitals and hospital corporations are creating discrete ambulatory surgery departments within the hospital or even building freestanding ambulatory surgery centers.

Other freestanding facilities that have witnessed considerable growth during the 1980s and early 1990s are diagnostic—or imaging—centers and various specialized treatment centers: eye, heart, geriatric, cancer, women’s centers, and so on. These may be physician owned, hospital owned, or the product of joint ventures undertaken by hospitals and physicians.

For the architect, designer, and planner, the proliferation of hospital-based and freestanding ambulatory services has

resulted in a medical landscape more varied than ever before, and with increasingly innovative business relationships developing among hospitals, insurance providers, hospital corporations, group practices, and individual physicians, it is likely that the demand for ambulatory care facilities, both hospital-based and freestanding, will continue to grow.

*Earl Swensson, FAIA is founder and chairman of the board of Earl Swensson Associates (ESA) in Nashville, Tennessee. A graduate of the University of Illinois, Swensson was a project designer for Perkins & Will from 1956 to 1960. He is a former chair of AIA Chicago’s Design Committee. Richard Miller, AIA is a registered architect in 38 states and president of Earl Swensson Associates. A noted specialist in healthcare facility design, he has served as a member of the AIA’s Committee for Architecture and Health.*

From *New Directions in Hospital and Healthcare Facility Design* by Richard Miller, AIA and Earl Swensson, FAIA. Copyright ©1995 by McGraw-Hill, Inc. Reprinted by permission of the McGraw-Hill Companies. To order, call 800/2-McGraw.

## Health

*continued from page 9*

patient care and the business aspects of a practice—often have the combined financial clout to purchase the equipment and office facilities to render services that were once exclusively the province of hospital-based ambulatory care.

During the 1980s, entrepreneurial physicians (and others) further challenged hospitals—as well as sole practitioners—by creating freestanding facilities to provide urgent, episodic, and primary medical care. In 1980, according to AHA figures, there were fewer than 300 such facilities nationwide. Seven years later, in 1987, the number had increased 400 percent to over 3,000. By the early 1990s, some 5,500 freestanding facilities were in operation, handling about 63 million patient visits annually—compared to five million in 1980. Despite this phenomenal growth, such freestanding “convenience” facilities have rarely attained financial viability. By the beginning of the 1990s, only some 30 percent were operating in the black. This did not discourage the concurrent

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# Medical Office Building Design Strategies

by Richard Miller, AIA and Earl Swensson, FAIA

Other than hospitals, the most familiar medical building is the medical office building. As traditionally designed, however, the physician office building is suited to solo practice and is not easily adaptable to the increasingly larger single and multi-specialty group practices.

Most group practices are based around some shared procedure or piece of diagnostic equipment. It is therefore, essential that the practitioners' suites be located around the shared resource and that the core services of the traditional building—elevators, toilets, mechanical equipment—be located to the side of the building in order to keep the floor plate unobstructed for flexibility of configuration that facilitates sharing resources.

In addition to design for sharing facilities, the advanced MOB must appeal

to the new medical consumer. It should:

- accommodate a focus on wellness by providing space for fitness services and health maintenance, as opposed exclusively to the treatment of disease
- appeal to today's generally more sophisticated, more demanding, more questioning, and better-informed medical consumer.
- incorporate elements of universal design, particularly with the elderly in mind. This reflects the trend toward an aging medical consumer. Design elements to consider include lighting to eliminate glare, avoidance of strong contrasts, design to compensate for reduced color perception, furnishings that properly support an aging body, crystal-clear way-finding cues, and the like.



Ved Gupta & Associates of Chicago designed this 24,000-sq.-ft. MOB for Mercy Medical Center in Chatham, IL. The structure includes individual medical office suites, an X-Ray facility with required shielding, landscaping, and parking improvements. VGA's experience in healthcare facility design includes projects for numerous Chicago-area hospitals and physicians groups. Photo courtesy of the firm.

- be designed with women in mind. This is not the case with "women's centers" alone, but with any MOB. Women make most of the healthcare decisions in the United States, including where to "shop" for their family's medical care.

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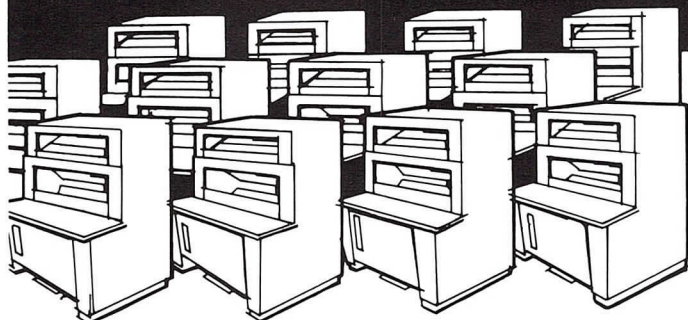
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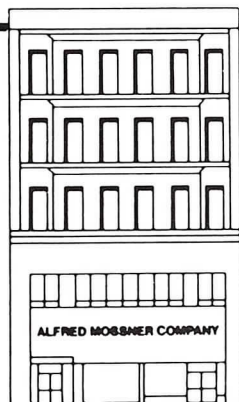
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# From the Roof to the Basement: Building Department Amends Code

by Harold Olin, AIA

*On October 2, 1995, the Chicago City Council adopted several amendments to the city's building code. The changes are the result of a multidisciplinary committee of professionals from the architecture, real estate development and construction fields, especially those concerned with low-rise residential projects. In the following article, Harold Olin, AIA, director of code review for the Department of Buildings, answers what he believes are the most-asked questions about the amendments. For more information about the changes, call 312/744-0229.*

## **Q. Why was the Code amended to revise the basement exemption?**

The Fire Department and Building Department jointly concluded that exempting shallow basements (ceilings not over seven feet above grade) from being counted as a story in Chapter 13-48 encouraged the construction of taller buildings than intended by the Code's life safety requirements described in the next section. Furthermore, according to legal experts, the basement exemption in that chapter is intended to apply to provisions in that chapter *only* and is not automatically exportable to other parts of the Code. The revised basement exemption and other provisions sought to reduce the permissible height of buildings and to increase life safety on upper floors, especially in low rise frame and masonry buildings.

## **Q. What is the intent of the fire requirements?**

The fire requirements aim to provide a smoke- and fire-protected path leading to grade and ultimately to a public way. Requirements also limit the total combustible load, consistent with the construction type—whether wood frame, masonry exterior, non-combustible frame, or fire-resistant (concrete and steel). The limitations on the height, number of stories and area of buildings in Chapter 13-48, and the

new restrictions on the size of wood roof decks and wood protected entries are examples of fire-related requirements in these amendments.

## **Q. If the basement exemption in Chapter 13-48 is not exportable to other chapters, what definition of story will be applied to requirements in other parts of the Code?**

The definition of basement which applies to the entire BuildingCode is in Chapter 13-4: "A story of a building partly or wholly below grade." That definition is so broad it requires each discipline to develop an appropriate exemption, consistent with the intent of the code's requirements. The Fire and Building departments have determined that henceforth any level that is four feet or less below grade will be counted as a story for the purpose of fire and life safety requirements. This is a discretionary decision that flows from considerations described in the section above, not because revised Chapter 13-48 now contains a different basement exemption.

## **Q. What is the significance of the definition of "living level"?**

That definition is pertinent only for existing buildings. Chapter 13-196 on existing buildings and Chapter 13-200 on rehab work limit the total number of living levels in masonry and frame buildings but do so without defining that term. These amendments not only defined the term but also established a consistent maximum number of living levels according to type of construction:

- a) three levels in less fire-resistant construction Types IIIC, IVA and IVB;
- b) four levels in Type IIIA and IIIB (masonry) structures.

Living level is defined as "any floor or level in a building where habitable rooms are provided, including basement, penthouse, and attic; provided, however, that in a single family dwelling, a base-

ment containing less than 400 square feet of habitable space without kitchen shall not be counted as a level."

## **Q. If third floors are now required to provide a second means of egress, will existing buildings have to comply?**

Existing buildings constructed before the adoption of these amendments and in compliance at that time need not comply with the new requirements. However, when the occupancy is changed to one with a higher hazard index or substantial alterations are performed, the building may need to comply with applicable provisions of Chapters 13-196, 13-200 and others.

## **Q. What if space limitations in an existing building make it impossible to provide the second exit now required from the third floor?**

The code has always permitted the second means of egress in such buildings to be an exterior open stair. The new amendment clarifies that this stair can be of unprotected wood, provided it is six feet from an interior lot line; if a metal stair, it can be on the lot line. In addition to exterior stairs, the new provisions would permit continuous decks, roof crossovers and sprinklers—all measures which can be installed on existing buildings more readily than interior stairs. A wood porch stair can be three feet from an interior lot line provided it has a one hour wall facing the lot line and meets other requirements in Section 15-8-320. In hardship situations, emergency ladders may be permitted.

## **Q. What are the continuous deck and roof crossover options mentioned above?**

The continuous deck, as the name implies, is a third floor platform linking the dwelling units to each other through hinged doors from each unit and which could provide temporary refuge in case of

*continued on page 21*



NEW MEMBERS

AIA

Daniel Elkins, Loeb Schlossman & Hackl; John Helin; Bradley Paulsen, Sverdrup Facilities, Inc.; Douglas Reynolds, M. Douglas Reynolds; Thomas Sarbaugh, Hellmuth Obata & Kassabahn, Inc.; Peter Schlossman, Loeb Schlossman & Hackl

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Students

Terri Drake, University of Illinois at Chicago; Rob Kelly, University of Illinois at Chicago

PEOPLE

Sherwin Braun, AIA announced the formation of S. Braun & Associates, P.C. in November. The firm's offices are located at 1221 Brook Lane in Glenview.

The Chicago office of Consulting for Architects has hired Mary Esche to develop the firm's job placement and CAD services. A native of Chicago,

Esche holds degrees in psychology and interior design from the College of DuPage in Glen Ellyn.

Bruno Conterato, FAIA died of cancer on November 20 at the age of 75.

Conterato, a past president of the AIA Chicago, was a native of Chicago who studied under Mies van der Rohe at the Illinois Institute of Technology where he received an architectural degree in 1948. He worked in Mies' office after graduating until serving in the U.S. Air Force during the Korean conflict. In the early 1950s, Conterato worked with several local firms on projects such as the General Telephone Building in San Angelo, Texas and the Inland Steel Building in Chicago. From 1956 until his retirement in 1985, Conterato worked with Mies van der Rohe—first with the master architect and then as principal with the successor firms. In the Chicago area, his projects include the Chicago Federal Center, including the

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Dirksen Building, the Kluczynski Office Building and the U. S. Post Office—Loop Station. He was elected to the AIA's College of Fellows in 1971. Conterato is survived by his wife, Emilie, who lives in the house he designed for the family, and two sisters, three sons and five grandchildren.

◆  
**Dobrin + Associates, Ltd.** celebrated its fifth anniversary in December.

◆  
 On December 18, **Joseph Legat, AIA** and **Wayne Machnich, AIA** president of Legat Architects, Inc. opened the firm's fifth Illinois office at 651 W. Washington Blvd. in Chicago. **Thomas Hutchinson, AIA** manages the office; **Dominick Demonica, AIA** is projects director, and **Sanjay Singhal, AIA** oversees the firm's interior design services.

◆  
**O'Donnell, Wicklund, Pigozzi and Peterson Architects Inc.** has promoted

the following staff members to senior associates: **Richard Dewar, AIA**; **Jeffrey Foster, AIA**; **Endre Ivan, AIA**; and **Joel Stauber, AIA**. The firm's new associates include: **Trung Le, AIA**; **Mary Cavanaugh**; **Bjorn Hallsson**; **Joannie Vitu**; **Mike Vinci, AIA**; **Tom Burger, AIA**; **Edmund Kulikowski, AIA**; **David Eckmann, SE**; and **John Gregory**. **Kerry Leonard** has joined the OWP&P staff as a senior associate and senior education facility planner. **John Lesniak, AIA** is the new director of construction administration for the firm.

◆  
**Peggy McTigue** has joined **Perkins & Will** as director of business development for the firm's interiors studio. Most recently, McTigue was a vice president at **Frain Camins & Swartchild ONCOR International**.

◆  
**Skidmore, Owings & Merrill** recently expanded its interiors department to

include senior designers **Bart Canady**, **Donna Becco Schroder**, and **Peggy Hoffmann**.

**NEW PROJECTS**

**Eckenhoff Saunders Architects (ESA)** has designed a three-story corporate office and manufacturing building in Aurora's Meridian Business Campus for **Westell, Inc.**'s new corporate headquarters. **ESA** designed the modern, high-tech facility to reflect **Westell's** success as a technology-driven equipment supplier.

**Krusinski Construction Company** will build the complex in two phases, with phase one including the office and manufacturing buildings and a connector building. Initially, the three-story office space will total 118,000 square feet and manufacturing space will total 81,000 square feet. The manufacturing area includes 6,000 square feet of support offices. The connecting link includes a product display area and hospitality suite. Phase two of the project will increase the office space to 166,200 square feet and manufacturing space to 189,000 square feet. The building will include precast insulated concrete wall panels and an aluminum store front entrance with glass block panels.

◆  
**RADA Architects** has been selected by **Medical Services Corporation International** in Virginia to develop a prototype for a chain of ambulatory care clinics to be built throughout Bulgaria and Eastern Europe. **RADA Architects** is also doing the predesign and urban planning for the **United States Embassy School** in Sofia, Bulgaria. Only one and half years since its founding, the firm entered the international arena with the project for **Shekou Ocean Harbor Plaza**, a 13 million-sq.-ft. mixed use development in China.

**CALL FOR ENTRIES**

The **Metropolitan Planning Council** is seeking nominations for the eighth annual **Daniel Burnham Award for Excellence in Planning**, which recognizes outstanding efforts to promote sound planning in the Chicago metropolitan area. Nominations are due on Monday, January 8 and can be obtained by calling 312/922-5616.

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The American Society of Architectural Perspectivists announces **Architecture in Perspective 11**, the annual exhibition of architectural illustration. Illustrations may be entered in two categories: informal sketches and formal presentation drawings. Awards are presented for best artwork in each of the two categories, as well as individual juror awards. The Hugh Ferriss Memorial Prize, the highest honor for an architectural drawing, is awarded to the author of the work that exemplifies superior achievement in the field of architectural representation. For submission form, call 617/951-1433 ext. 225. All entries must be received by 4:00 p.m. (EST) on Friday, January 12 at the ASAP office, 52 Broad Street, Boston, MA 02109.

The Chicago Athenaeum has announced a call for entries for the museum's fourth bi-annual exhibition, competition, and awards program for **"The Midwest Villa."** Held once every two years, the exhibition features the newest design trends in residential architecture by Midwest architects. Submissions must be received by January 15 and fall into one of the following categories: single-family homes, multi-family housing, urban townhouses, suburban and summer homes, apartment and housing complexes, and low-income housing, including new construction and the restoration and renovation of existing buildings. Each submission must be accompanied by an application form, fee, one-page description, 8 x 10" floor plan, one 8 x 10" black/white photograph, and two 35mm color slides. The results of the

competition will form an exhibition at the Athenaeum beginning on February 20 and running through April. For application forms and more information, contact Leonard Kliwinski, deputy curator, at 312/251-0175.

The Japanese government has announced an open design competition for a \$380 million National Diet Library in Kansai Science City, Japan. The competition is open to licensed, first-class architects in Japan and U.S. architects with equivalent qualifications. Registration is free and must be made before January 16. Awards include \$500,000 first prize, five \$100,000 second prizes and several honorable mentions. Awards will be announced in August. For a project guide and registration packet, contact CSA Printing, 190, 800 5th Ave., Suite 101, Seattle, WA 98104-3191; fax 206/382-9169.

Historic preservation moves to center stage as the Landmarks Preservation Council of Illinois (LPCI) launches its annual Richard H. Driehaus Preservation Awards program. These awards recognize individuals, projects, and programs which set a standard of excellence in historic preservation in Illinois. LPCI is seeking nominations for the 1996 Awards in the categories of Preservation Project of the Year, Distinguished Illinois Preservationists, Bricks and Mortar, Media Coverage, Educational Program, Publication, and Preservation Advocacy. Previous winners include Holy Family Church, the Hotel Intercontinental, the Rookery, and the Schoenhofen Brewing

Company Powerhouse in Chicago. The Awards will be presented on June 7 at the Illinois Preservation Conference in Oak Park. Nomination forms are available from the LPCI office at 312/922-1742 and should be postmarked by February 1.

In addition, LPCI is seeking nominations for the 10 Most Endangered Historic Places program which draws statewide media attention to the preservation and reuse of endangered historic and cultural resources. Each year new sites are chosen based on the immediacy of the threat of neglect, deterioration, insufficient funds, inappropriate development, alteration or demolition. Call LPCI at 312/922-1742 for an application and nomination form. The January 19 deadline is quickly approaching.

The Chicago Building Congress is calling for entries for its 1996 Merit Awards. The Awards annually recognize the most outstanding construction projects in the Metropolitan Chicago area in the categories of New Construction, Rehabilitation Construction, and Construction Under \$15 Million. The Merit Awards program is open to all types and sizes of projects completed during 1994 and 1995. Entries are judged on distinctive design, outstanding construction, and the impact the projects have on their surrounding areas. All intents to nominate should be made to by January 31. Nominations must be received by February 29.

In preparation with the Merit Awards, the Chicago Building Congress is sponsoring a seminar at 7:30 a.m. on Tuesday, January 9 in the Heritage Room

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of the Union League Club, 65 W. Jackson Blvd. The seminar describes how to develop award-winning submissions. Admission, which includes breakfast, is \$25. For reservations to the seminar and nomination forms for the Merit Awards, call 312/294-9974.

◆ **AIA Research** is sponsoring a national design competition for architects and building design professionals on **Building Integrated Photovoltaics**. Photovoltaics (PV) systems convert sunlight into electricity by means of solar cells; interest in these systems is growing internationally, according to the group. The goal of the competition is to expand on this interest by generating innovative, provocative and technically feasible approaches for integrating PV into buildings. It is hoped the competition will stimulate the architecture profession and the PV industry to achieve real breakthroughs for buildings of the next century. Submissions are due March 18.

Registration is \$75 for AIA members and \$90 for non-members; it includes an official entry form, detailed program information, competition regulations, background information on PV, and a set of competition resources materials. More information is available at AIA Chicago or by calling 202/879-7752.

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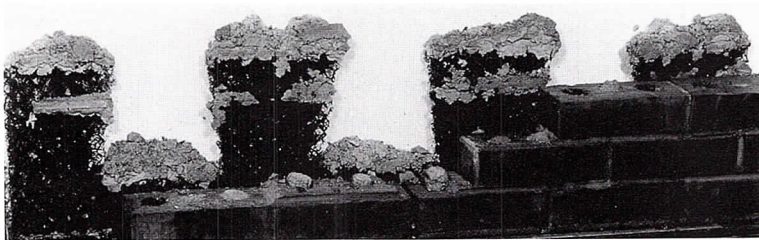
On March 26, DPIC Companies is sponsoring **"Taking Control of Your Risks and Your Profits,"** a one-day risk management workshop for architects. Endorsed by AIA Chicago and co-sponsored by AVA Insurance Agency, Inc., the workshop addresses six risk management issues that affect the frequency and severity of claims against architects: client selection, scope of services, contract language, alternative dispute resolution, design and documentation quality, and construction phase services. The program offers 21 AIA/CES learning units. For more information,

including registration procedures and cost, call 800/227-8533 x 337.

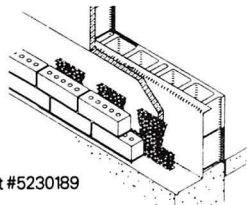
◆ **ArchiText Construction Index**, the periodicals index of architecture, construction and trade journals, is now available via **AIA Online**. The online Index offers the same features as the printed version, including coverage of over 50 construction industry journals with an annotated listing of articles organized using an augmented version of MasterFormat. To access the ArchiText Construction Index, users should go to the "Communication" menu and log on. Go to the "Services" pull-down menu. Select "Publications-Products" then "Book Magazine Indexes," then "ArchiText Const. Index." Users may read the "Help" file for general information, search the "ArchiTerm" database for keywords, or try a search using "ArchiText Index." For more information about the Index on AIA Online, contact ArchiText at 312/939-3202; 70400.3225@compuserve.com.

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The AIA Historic Resources Committee is sponsoring "Re-engineering America's Architecture" February 9 through 11 at the AIA headquarters in Washington, D.C. The conference is designed to give participants an opportunity to discuss historic preservation issues with fellow architects, engineers and owners and managers of historic properties. Tours in Washington and Virginia are being offered as well. For more information, call 202/626-7482.

◆  
Stein, Ray and Conway is hosting its fifth annual "Symposium for Design Professionals" at 8:15 a.m. on Friday, February 9 at the Chicago Athletic Association, 12 S. Michigan Ave. Each year, hundreds of participants discuss the issues confronting today's design professionals. Topics include: impacts of tort reform legislation, important contract provisions to adopt and reject, and compensation clauses, among others.

Participants earn six AIA/CES learning units. The seminar fee is \$50 per person; all proceeds in excess of program costs are donated to the Chicago Architecture Foundation. To register and for more information, please contact Carlos Pareja at Stein, Ray and Conway, 312/641-3700.

#### VARIOUS MATTERS

Rem Koolhaas is lecturing at the Art Institute of Chicago on Thursday, February 1 to launch his awaited tome, *S, M, L, XL*. The book will not be in stores until March, but a special shipment will be made to the Museum for this event. Koolhaas, principal of the Office for Metropolitan Architecture (O.M.A.), is the author of *Delirious New York*, which in its revised state won a 1995 AIA Book Award. His award-winning designs include the Nexus Housing in Japan and the Netherlands Dance Theater.

For more information, call the Architecture + Design Society of the Art Institute of Chicago at 312/857-7166. Registration

begins at 5:30 p.m. for the 6:00 p.m. lecture in the Rubloff Auditorium (enter Columbus Drive); a book signing will follow. Cost: \$5/Architecture + Design Society members; \$8/Art Institute members; \$9/advance; \$2/students; \$12/door.

Koolhaas will also be signing his book at the Prairie Avenue Bookshop, 418 S. Wabash Ave., at noon on February 1. For information, call the store at 312/922-8311

◆  
Professor Christopher Turley, AIA of the College of Architecture at the Illinois Institute of Technology is seeking reference materials for the school's library. Publications such as Sweet's catalogs are especially desirable. Firms or individuals interested in donating material should contact Turley at 312/567-3260.

◆  
The Landmarks Preservation Council of Illinois is holding its 25th Anniversary Preservation Ball on Saturday, February 10 at the City Hall/County Building. For

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## Code

continued from page 15

fire. The roof crossover is a situation where each unit has a penthouse stair leading to the roof, where a person could find temporary refuge until removed by firemen. If more than one-third of the units depend on the roof for a second means of egress, an interior protected stair or exterior open stair from the deck must be provided. These substitutes for the traditional interior protected stair are only applicable to residential buildings not over three stories.

### Q. When can sprinklers be substituted for a second stair?

Sprinklers can be substituted for a second stair only in residential buildings up to three stories, where the third floor of a unit does not exceed 1500 square feet. The sprinkler system must conform to one of three recognized national sprinkler standards: NFPA 13-1994; NFPA 13R-1991; or NFPA 13D-1991. It should be noted that the typical city pressure available at the third floor is inadequate to properly operate the sprinkler system and a booster pump is generally required.

### Q. Will the new requirements increase the cost of affordable housing?

All residential buildings, irrespective of the target economic group, are subject to the same requirements. However, recognizing that affordable housing projects frequently use a three-unit configuration and have limited footprints, the Code expanded the two-story frame limitation to permit three-unit, three-story structures if certain conditions are met. These exceptions to the general rule are made in consideration of the lesser fire hazard associated with the small size of the units and the two-hour separations required between the units. Lot line separation between adjacent frame buildings has also been reduced from six to five feet when fire resistance of exterior walls is increased.

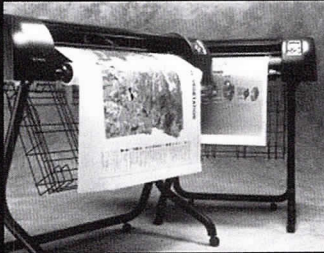
Harold Olin, AIA is a member of the 1996 AIA Chicago board of directors and a frequent contributor to FOCUS.

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## J A N U A R Y

- 2 Design Committee.** Planning Meeting. 5:30 p.m.; AIA Chicago. Information: Constantine Vasilios, AIA at 312/431-0331.
- 8 Education Committee.** Monthly Meeting. 5:30 p.m.; AIA Chicago.
- 9 Merchandise Mart.** Design Details. 9:00 a.m.; space 841.  
**Corporate Architects Committee.** Monthly Meeting. 5:30 p.m.; AIA Chicago.  
**IFMA/Northern Illinois.** Implementing a Facilities-based Recycling Program. 5:30 p.m.; Panasonic Matsushita Electronics, 1707 N. Randall Road, Elgin, IL. Cost, includes dinner: \$15/IFMA members; \$20/nonmembers. Reservations: 815/469-7410 by January 5.
- 10 Planning and Urban Affairs Committee.** Planning Meeting. Noon; AIA Chicago. Information: Len Koroski, AIA at 312/938-4455.  
**Chicago Architecture Foundation.** Alfonso Iannelli: Shaper of Art Moderne. Speaker: Sam Guard, construction quality control consultant. 12:15 p.m.; 224 S. Michigan Ave., first floor lecture hall. Information: 312/922-3432 ext. 123.  
**Architecture for Health Committee.** Monthly Meeting. 4:30 p.m.; AIA Chicago.  
**Chicago Plan Commission.** Monthly Open Meeting. 1:00 p.m.; Chicago City Council Chamber, City Hall, second floor, 121 N. LaSalle St. Information: 312/744-6504.
- 11 Historic Resources Committee.** Monthly Meeting. 5:30 p.m.; AIA Chicago.
- 14 Women's Architectural League.** House Tours of Searl-Valerio Residence and Essex Residence and Studio. 2:00 p.m. Meet at Galans Restaurant, 2210 W. Chicago Ave., Chicago. Cost: \$15. Reservations: Carol Piper, 708/446-9072.
- 15 AIA/NCMA.** Entries due for Concrete Design Awards. Information: 202/626-7300.
- 16 Merchandise Mart.** Worker Productivity. 8:30 a.m. breakfast in showroom 1111; 9:00 a.m. presentation in space 841.  
**National Kitchen and Bath Association/Midwest Chapter.** How Dealers and Independent Allied Professionals Can Grow Their Businesses. 4:00 p.m.; North Shore Hilton, 9599 Skokie Blvd., Skokie, IL. Program and dinner costs: \$25/students; \$30/pre-registrations; \$38/at the door. Information and pre-registration: Mike Slusarz, Slusarz Corp., 19W 222 Governor's Trail, Oak Brook, IL; 708/769-1022.  
**Committee on the Environment.** Designing Sustainable Systems. 5:30 p.m.; AIA Chicago. Information: Carol McLaughlin Schlensker, AIA at 312/408-1297.
- 17 Construction Industry Affairs.** Monthly Meeting. 8:30 a.m.; AIA Chicago.  
**Chicago Architecture Foundation.** Unicom Thermal Technologies District Cooling Plants. Walt Eckenhoff, AIA, principal, Eckenhoff Saunders Architects. 12:15 p.m.; 224 S. Michigan Ave., first floor lecture hall. Information: 312/922-3432 ext. 123.
- 18 Government Affairs Committee.** Monthly Meeting. 5:30 p.m.; AIA Chicago.
- 22 Young Architects Committee.** Cost Estimating. 6:00 p.m.; AIA Chicago.
- 23 Office Practice Committee.** The Right Way to Grow. 5:30 p.m.; AIA Chicago.
- 24 Chicago Architecture Foundation.** Treatment and Issues Concerning the Removal of the WPA Mural at the Hatch School. Speakers: Barry Bauman, director and painting conservator, Chicago Conservation Center and Lynn DaCosse, officer GSA Historic Preservation & Fine Arts. 12:15 p.m.; 224 S. Michigan Ave., first floor lecture hall. Information: 312/922-3432 ext. 123.  
**Real Estate Committee.** Developer Olympics I: Introduction to the Development Process. 5:30 p.m.; AIA Chicago.
- 25 Technical Committee.** Designing With Glass. Noon; Chicago Bar Association, 321 S. Plymouth Court. Cost \$8.50, includes lunch. Purchase ticket in first floor membership office before meeting. Information: Caesar Vitale, AIA at 312/554-1400.  
**Interior Architecture Committee.** Monthly Meeting. 5:30 p.m.; AIA Chicago.
- 26 Construction Specifications Institute.** SOM's Renovation of the Civic Opera House and Orchestra Hall. 5:00 p.m./cocktails; 6:00/presentation. Cost: \$5 per person. For reservations, call: 312/641-5986.
- 31 Chicago Architecture Foundation.** Rediscovering the History of a Site. Speaker: Lonny Frye, AIA, design principal, Frye, Gillan Molinaro. 12:15 p.m.; 224 S. Michigan Ave., first floor lecture hall. Information: 312/922-3432 ext. 123.

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