

## High-strength concrete saves dollars, space

Chicago recently topped out a 51-story residential high-rise which represents the latest in that city's continuing preoccupation with high-strength concrete technology.

River Plaza, designed by architects Ezra Gordon/Jack M. Levin & Associates, Chicago, pushes the research parameters into the 11,000-psi concrete area: the building has two such columns which will be monitored for setting temperature and creep.

The obvious advantages of poured-in-place high-strength concrete are significant savings of both dollars and space in the construction of extremely tall buildings. When the standard compressive strength factor of 4,500-psi concrete is used for lower floors of a high-rise, it necessitates bulky, space-wasting and expensive columns.

Chicago, because of the area's uniquely available admixtures, coupled with the city's historic tradition of structural innovation (first steel-framed skyscraper, etc.), has been in the forefront of this kind of concrete technology.

In the mid-1960's, architects Schiporeit & Heinrich's 70-story Lake Point Tower utilized a breakthrough 7,500-psi concrete. In the early 1970's, Shaw & Associates' Mid-Continental Building used 9,000-psi.

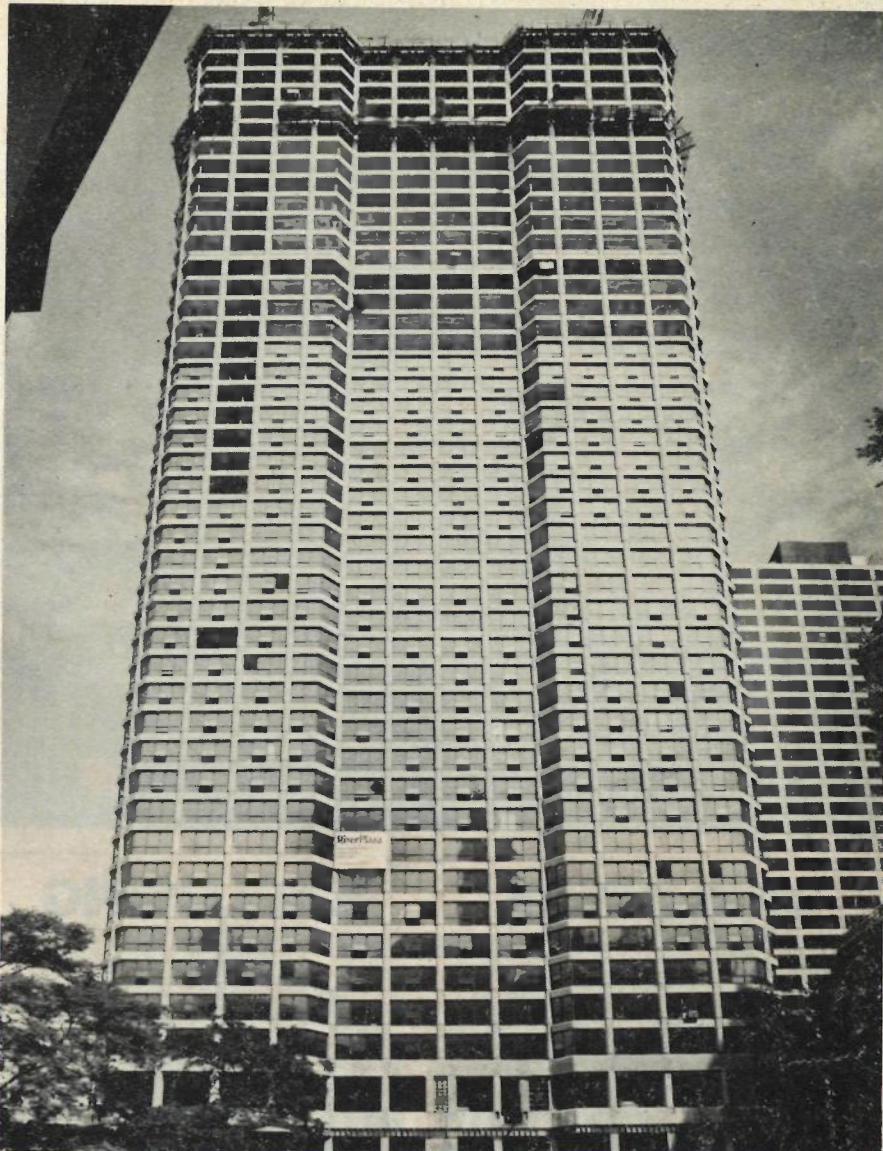
As developed by McHugh/Levin Associates, River Plaza typically has 7,000-psi concrete in the tower columns up to the 5th apartment floor. From then on it reduces to 6,000-psi in columns on floors 5-15, 5,000-psi on floors 15-35, and 4,000-psi on floors 35 to 52 (the roof).

Strain meters and leads have been installed on two of River Plaza's columns which were poured with 11,000-psi concrete. The testing was conducted by Material Service Corp., under the direction of Jaime Moreno, with a portion of the cost involved contributed by the Portland Cement Assn.

Structural consultants for River Plaza were CBM (Cohen, Barreto, Marchertas). The general contractor was McHugh Construction Co., and H.S. Nachman & Associates were mechanical/electrical consultants. All are Chicago-based.

Project architect for Gordon/Levin was Margaret Young. River Plaza is the second high-rise project assignment for Ms. Young, the first being the same architects' Newberry Plaza in Chicago. She is believed to be the only woman in the country with the responsibility for projects of this size.

"There are other aspects to River



Chicago Daily News photos

*Chicago's recently topped-out River Plaza, a 51-story residential high-rise, represents the latest in high-strength concrete technology.*



*Project architect for River Plaza is Margaret Young of Ezra Gordon/Jack M. Levin & Associates. She is believed to be the only woman in the country with responsibility for projects of this size.*

Plaza of particular interest," she notes. "We used an exterior hoist which is one of only four in the country. The all-aluminum personnel tower handled 40 to 45 men at a time, with a speed control from zero to 600 feet a minute."

River Plaza, a planned unit development financed under the FHA 207 program, is a \$25 million structure, with 702 apartments, primarily one and two-bedroom units. There will be 35,000 square feet of commercial space.

The building will have a landscaped plaza connecting the existing Wrigley Building and Sun-Times/Daily News Building plazas. Field Enterprises, publishers of the Sun-Times and Daily News, is a limited partner in River Plaza through its wholly-owned subsidiary, Rush-Hubbard, Inc. □



CHICAGO

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## Architect Margaret Young reaching goal: supervising Newberry Plaza project

Though part of a tiny minority in her profession, architect Margaret Young is less interested in making feminist-movement waves than in establishing high personal standards of performance to demonstrate her capabilities in the architectural field.

Right now, she's taking a large step toward that goal in her job as architectural field representative on the construction of Newberry Plaza, the 56-story apartment-townhouse-commercial complex at State and Oak Sts., on Chicago's Near North side.

A development of McHugh-Levin Assocs., the complex when completed in late spring will contain 624 deluxe apartments, 15 townhouses on a landscaped deck three stories above the ground, three floors of commercial space, a garage for 325 cars, a glass-enclosed atrium garden, swimming pool, and restaurant.

Doing a rugged job usually left to men, Mrs. Young, clad in hard hat and tailored pantsuit, can be seen almost daily inspecting parts of the building under construction, pouring over working drawings in the construction office, and checking with superintendents, foremen, and workers.

Mrs. Young is believed to be the first woman architect assigned the responsibility for a project of this size in Chicago, perhaps in the nation. Only three per cent of registered architects in the U.S. are women, compared with 24 per cent in the Soviet Union, and more than 50 per cent in Greece.

Just 31, Mrs. Young has been on the staff of Ezra Gordon-Jack M. Levin & Assocs., architects for Newberry Plaza, since February, 1969. Though she has been directly involved with at least nine major design projects in the past three-and-one-half years, Newberry Plaza represents her first assignment to the vital role of field inspection on an actual construction project.

According to Ezra Gordon, the respect she has earned on the job, as well as her rapport with the construction men involved, is "quite remarkable, but expected."

Margaret sees nothing especially remarkable in what she is doing: namely, pursuing the profession she chose while



Margaret Young

still a student at Senn high school in Chicago. She studied first at Navy Pier and then at Champaign-Urbana, where she received a bachelor of architecture degree in 1966. After graduation, Margaret joined Chicago architects George A. Hinds & Assocs., Ltd., as a designer/draftsman on residential, commercial, and institutional structures.

Before becoming a member of Gordon-Levin team, Margaret had married architect James Young. The two make no secret of their long-range dream of forming a professional partnership.

Mrs. Young expresses some concern over the "dual role" that she considers her "biggest handicap," but feels confident that she can combine the responsibilities of her profession with those of marriage.

## Slaughter, Schaffer moves to Northfield

Slaughter Schaffer & Assocs., consulting engineers formerly located just west of the Loop, have relocated to 550 W. Frontage Rd., Suite 2035, Northfield 60093.

New telephone is 441-5866.

## mechanics liens

Dan Hayes Boiler & Repair Co vs Mrs Judy Messamore (contr) & La Salle Natl Bk Tr #38640 (o) \$1,541.88

Edward Hines Lbr Co vs James C Roberts (contr) & Arnold A Ambrosio & wf & Walter S Hight & wf (o) \$1,420.82  
Sam Yonan vs Internatl Pie House (o) \$1,500.83

Air-Cel Inc vs A Pofpei Bldrs Inc (contr) & Marquette Natl Bk Tr #4823 (o) \$1,000.00

American Automatic Fire Protection Co Div F Nacey Sprinkler Co vs B & L Inc (contr) & Harris Tr & Sav Bk Tr #31021 (o) \$3,500.00

Lichtenwald-Johnson Iron Works Co vs Bee Const Co & Morris Suson (contr) & American Natl Bk & Tr Co #76169 (o) \$14,444.00

Tri-State Conc Pumping & Const Co Inc vs The Lombard Co (contr) & Harold Jacobs & Assocs (agts for o) & U O (o) \$10,000.00

Kirby Ryan vs Leda Baker (contr) & Josephine & James Ference (o) \$525.00  
Chester Syslo dba North Town Bldrs vs LaSalle Natl Bk Tr #38686 (o) \$8,895.73  
McDoniel Iron Wks Inc vs Leo G Kelly & Assocs Inc (contr) & Northwest Natl Bk of Chgo Tr #1631 (o) \$7,606.00

W J Olson Co Bldrs Inc vs Financial Profiles Corp (contr) & Parkway Bk & Tr Co Tr #1880 (o) \$1,366,750.00 & \$305,286.54

Roy Calstrom dba C & C Masonry vs Prospect Enterprises Inc (o) \$4,228.00

### STATE TAX LIEN

S M & G Sigel & J N & P & F M Zimring & D Yellin dba Arnold Cosst Co Unempl Comp Tax Lien \$987.62

## releases on mechanics liens

Trim-X Inc vs Bern Bldrs Inc & Midwest Bk & Tr Co of Elmwood Pk Tr #7108638 \$2,325.95

Trim-X Inc vs Bern Bldrs Inc & Midwest Bk & Tr Co of Elmwood Pk Tr #7108639 & B G & W Carpentry \$2,325.95

Melville A Malm dba Edward Malm & Son vs Norman Golb \$666.30

Hillside Stone Corp vs Martin Bormanis dba Martin Cement Co & New Capri Rest Inc \$411.26

Hill-Behan Lbr Co vs Joseph J Sabon & wf \$263.23

Schaaf Glass Co vs Hanover Pk Devel Corp & Chalupa Bldrs \$17,650.13

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for State Representative Ben  
\$73,651 to win nomination in the  
Democratic Primary and \$13,676 in  
the General Election, — a total  
\$87,327. Both were easy victors  
over their opponents but how can  
you justify the expenditure of such  
sums for comparatively small  
offices? They proved they know  
how to win. Now, we'd like to know  
how they can cut the costs so that a  
person of limited means can enter  
the races. . . The 451-bed hospital  
of Loyola U Medical Center,  
Maywood, Ill., was dedicated last  
Friday in the name of Foster G.  
McGaw for whom the local  
medical center at Northwestern U  
will also be named. His gift to  
Loyola was the largest in its 102-  
year history, and he has com-  
mitted more than \$40 million to  
educational and charitable  
causes . . .

**Pepper Con-**  
struction Company has been  
awarded the contract to build  
56,000 square feet of office space  
for the law firm of Jenner & Block  
in the IBM Building at State and  
Kinzie. Located on the 43rd and  
44th floors, they are expected to be  
ready for occupancy sometime in  
December. . . On Tuesday, Mr.  
and Mrs. Robert B. Mayer  
received the Distinguished  
Community Service Award of the  
Brandeis U Club at a dinner at the  
Guildhall of the Ambassador Hotel.

**POTPOURRI:** I'm extremely  
grateful for the letter from B.H.H.  
which reads, — "I consider myself  
well informed, reading major  
newspapers and magazines, plus  
listening to some of the phony so-  
called news commentators on the  
national networks. Sometimes I  
agree with what is being said and  
sometimes I disagree. However, I  
have never read one word you  
have written that I differ with. It's  
an absolute pleasure each week to  
read your thoughts. Keep up the  
good work." The letter was dated  
(Continued on Page 18)

is connected to The Ninety-Fifth  
Restaurant below by a sweeping  
stairway, will remain closed, but  
cocktails will be served in The  
Ninety-Fifth.

Dave's officials said the Sybaris  
Lounge will reopen as soon as  
possible, but no definite date was  
given.

**Fire Commissioner Robert**  
Quinn has ordered an investigation  
to learn the cause of the fire, which  
was detected at 6:05 a.m. by an  
early morning restaurant worker  
and was extinguished at 7:07 a.m.  
Quinn said it appeared the fire  
started in Sybaris Lounge by a  
discarded cigarette or cigar that  
smoldered undetected in one of the  
lounge's cushioned chairs or in its  
deep-pile carpeting. Defective  
wiring also is being studied as a  
probable cause.

The lounge was not equipped  
with ceiling water sprinklers  
because the law does not require  
them, Quinn said.

Harry Jackson, a building  
engineer, was commended by  
firemen from keeping the fire from  
spreading.

Jackson fought the fire in its  
early stages with water from a  
hose until firemen arrived. The  
firemen used express elevators to  
reach the fire scene and quickly  
brought the blaze under control.

The fire also was kept from  
spreading by steel doors which  
closed passageways to part of the  
restaurant and to a stairway  
leading to the 94th floor ob-  
servatory. Three of the four doors  
were singed and one buckled, but  
they held.

Sybaris Lounge was gutted by  
the fire. The multimillion dollar  
Ninety-Fifth Restaurant sustained  
water damage, and heat and  
smoke damaged mechanical  
equipment on the 97th floor.

Dozens of apartment dwellers  
fled to the first floor.

A new, audio-visual service designed to speed up bonding procedures  
and eliminate the transportation of prisoners was inaugurated here  
marking the first such installation by a court system in the U.S.

Shown in the Chicago Avenue police station (backs to camera) are an  
Illinois Bell employee, posing as a defendant and a police officer. In  
background, watching the first transmission coming from Night Bond  
Court at 1121 S. State St., are Police Superintendent James B. Conlisk  
Jr., Matthew Danaher, clerk of the Circuit Court of Cook County and  
Judge John S. Boyle, Chief Judge of the Circuit Court of Cook County.

## Woman Architect Directs Strategy at Newberry Plaza

Though part of a tiny minority in  
her profession, architect Margaret  
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struction project.

Said Ezra Gordon, one of the  
firm's two principals: "Margaret  
was the project manager for  
Newberry Plaza in our office,  
coordinating the design as well as  
the working phase of the con-  
struction documents. It therefore  
seemed only right that she should  
be the field supervisor on the  
construction phase as well."

## Airport Bus Firm Agrees to Expand Service in Area

The Greater North Michigan  
Avenue Association and Con-  
tinental Air Transport Co. last  
week reached a temporary  
agreement in a two-year dispute  
over airport bus service to the  
North Loop.

The bus company agreed to  
extend its service hours and routes  
for six months. Routes to be ex-  
tended at the Gold Coast and  
Sheraton-Chicago. The Midway  
route will not be affected.

Airport bus service will be  
provided every 20 minutes instead  
of every 30 minutes during mor-  
ning and afternoon rush periods. In  
the evenings, bus service to the  
North Loop will be extended to 10  
p.m. from 9 p.m.

Illinois Commerce Commission  
hearing examiner Joseph McHugh  
dismissed the Greater North  
Michigan Avenue Association's  
complaint against the bus com-  
pany because a private settlement  
was reached.

McHugh said a petition to reopen  
the case could be filed if further  
differences arise between the  
association and the bus company.

year's display with work in the  
trees continuing this week.  
Over 140,000 tiny white bulbs  
create the beautiful snowflake  
atmosphere while North Michigan  
Avenue shoppers, diners, visitors  
and daily pedestrians move  
leisurely to their destinations  
throughout the holiday season.  
Travel experts identify the North  
Michigan Avenue community  
during the Christmas period as a  
great attraction for the central city  
of Chicago.