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TODAY, IT’S

PRESTRESSED CONCRETE

More and more architects and builders are choosing prestressed concrete for structures of every size and type. Prestressed concrete makes efficient use of two quality materials—high strength concrete and high tensile strength steel. This combination provides new opportunity for bold and imaginative design as well as money savings.

Prestressing makes possible long spans with beams and girders of shallow depth. Precasting of prestressed elements and site work can proceed together to shorten building schedules. Erection of the prestressed members is rapid. Prestressed designs give important weight reduction in large structures.

Upkeep costs are low. Concrete need not be painted. And in many cases, concrete’s durability and fire resistance earn lower insurance rates.

The many advantages of versatile prestressed concrete provide structures that combine architectural appeal and construction efficiency.

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735 North Water Street, Milwaukee 2, Wisconsin
A national organization to improve and extend the uses of concrete

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...AND HOW THEY ARE USED

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- Bridges and overpasses
- Schools
- Gymnasiums
- Auditoriums
- Public buildings
- Shopping centers
- Office buildings
- Terminals
- Storage tanks
- Stadiums
- Railroads
- Apartments
- Transmission poles

- Girders
- Beams
- Columns
- Roof and floor units
- Slabs
- Wall panels
- Joists
- Piling

- HOLLOW CORE SLAB
- DOUBLE T
- SINGLE T
- I BEAM
- COLUMNS AND PILES
NORTHWESTERN PRESENTS:

SPEEDWALK® and SPEEDRAMP®

PASSENGER CONVEYOR SYSTEMS
for inclined or horizontal travel

NORTHWESTERN ELEVATOR CO., INC.
3455 NORTH HOLTON STREET • MILWAUKEE • WOODRUFF 2-2110

REPRESENTING: STEPHENS-ADAMSON MFG. CO. — Passenger Conveyors • Speedwalk • Speedramp
DOVER CORP. — Rotary Hydraulic • Dover Electric Passenger & Freight Elevators • Levelators • Truck Levelers • Lava-Docks • Residence Lifts
SEDGWICK MACHINE WORKS — Dumbwaiters & Residence Lifts

City of Tacoma, Wash.
S-A SPEEDWALK and SPEEDRAMP Moving Sidewalks are to pedestrian traffic what the modern expressways are to vehicular traffic. SPEEDWALK and SPEEDRAMP Passenger Conveyor Systems are high capacity transportation systems designed to bring order out of pedestrian chaos in congested areas such as: rail, bus and air terminals; shopping centers, parking lots, sports arenas, race tracks, under and over street crossings, through passageways, past exhibitions and in public and private buildings.

SPEEDWALK Moving Sidewalks are a specialized form of horizontal belt conveyor. Each unit is an endless belt capable of operating in either direction to suit the prevailing flow of pedestrian traffic.

SPEEDRAMP Moving Sidewalks are the same as SPEEDWALK Conveyors except that they are used to move people up or down inclines. Experience has shown that pedestrians can, with comfort and safety, enter, ride and leave a SPEEDRAMP Passenger Conveyor System on any incline up to 15°.

The object of SPEEDWALK and SPEEDRAMP Passenger Conveyors is to move pedestrians of all ages faster, with less exertion, in perfect safety, more comfortably and with a minimum of loitering or jostling. Pedestrians are kept moving at all times. Some passengers prefer to walk with the belt for increased speed. Others will simply ride. By keeping crowds moving, a small cluster of people can seldom hold up the flow of pedestrian traffic. SPEEDWALK and SPEEDRAMP Moving Sidewalk installation experience shows that a safe speed for pedestrians of all ages is about 120 feet per minute. By continually maintaining this constant speed, SPEEDWALK and SPEEDRAMP Conveyors insure a continuous, orderly flow of traffic at a high volume rate.

SPEEDWALK and SPEEDRAMP Passenger Conveyor Systems feature a low initial cost as compared to other forms of pedestrian moving equipment. Simplicity of construction and fewer moving parts result in an extremely low maintenance cost. The overall design provides a modern styling which is adaptable to all surroundings. Customers have a wide choice of balustrade panelling in both color and type of finish.

Pedestrian traffic numbering in the millions has ridden S-A SPEEDWALK and SPEEDRAMP Passenger Conveyors in perfect safety and comfort. In the design of these units, every possible effort has been made to provide maximum safety and convenience features.

<table>
<thead>
<tr>
<th>PEAK LOAD CAPACITIES</th>
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*Shopping Cart use Primarily.

SLIDER-TYPE BELT SUPPORT is most frequently applied for economically moving pedestrian traffic vertically or horizontally over distances of several hundred feet. The belt support allows the belt to glide smoothly over low-friction, composition surface.

ROLLER-TYPE BELT SUPPORT is designed to handle high traffic capacities over greater distances. SEALMASTER Ball Bearings in special compact housings minimize roller spacing and decrease power and maintenance costs.
GENERAL ARRANGEMENT OF SPEEDWALK® AND SPEEDRAMP PASSENGER CONVEYOR SYSTEMS

SPEEDWALK and SPEEDRAMP Passenger Conveyors are available in the two application arrangements shown.

ANCHOR BOLT LOCATION

TABLE OF BASIC DIMENSIONS SINGLE INSTALLATION

<table>
<thead>
<tr>
<th>BELT WIDTH</th>
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<td>96 1/4</td>
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<td>63</td>
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NOTE: If space required is not indicated in table, contact PRODUCTS DIVISION for possible variations.
STEPHENS-ADAMSON SHOPPING CART ATTACHMENT HOLDS SHOPPING CART TO MOVING SPEEDRAMP PASSENGER CONVEYOR BELTS

Shopping carts can ride as effortlessly as pedestrian traffic on SPEEDWALK and SPEEDRAMP Passenger Conveyors. A special magnetic attachment has been developed by Stephens-Adamson which is attached to shopping carts. This attachment holds the cart in place through the entire route of travel. Passengers need not even hold the carts. Upon reaching the exitway discharge point, the cart is automatically released. This exclusive convenience feature is ideal for shopping centers, department stores, etc. This feature developed by Stephens-Adamson is the only one of its kind developed for vertical transportation. Boston Store, Milwaukee, Wisconsin.

ENTRANCE AND EXITWAYS (Patented)

Specially designed by Stephens-Adamson Mfg. Co. in cooperation with conveyor belting engineers for passenger conveyor belt systems to meet the requirements of this high fashion, spike-heel era, entrance and exitways provide the ultimate in safety, ease of entry and departure. The entrance and exitways utilize a "floating comb" plate of Stephens-Adamson design, and special grooved conveyor belt embodying features heretofore unavailable in any form of passenger conveyance. The comb plate "floats" with the belt. The combing plate is comprised of tiny fingers that ride in grooves of the special ribbed passenger conveyor belt and "comb out" any object that might otherwise tend to get caught.

Illustration pictures passenger leaving SPEEDWALK Moving Sidewalk via intermediate exit. Intermediate entrances can be arranged in the same manner.

Illustration shows short-run entrance and exit belts parallel with main moving sidewalk. Both main sidewalk and entrance-exit belts operate at same speed.

Pedestrian traffic moves up and down simultaneously on a series of four SPEEDRAMP Passenger Conveyors. The units working in pairs are set in motion by a "Magic Carpet" unit similar to those that open supermarket doors automatically.

Plan drawing illustrates the method of locating the three different types of terminal and intermediate entrances and exits.

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Wisconsin Architect — January 1963
This is an unusual concrete block; it is ten to fifteen pounds lighter than an ordinary concrete block the same size. Why? Because its coarse aggregate is USS Garylite Expanded Blast Furnace Slag. And because expanded slag Garylite blocks are lighter, workmen can handle them easier and masonry work goes faster.

When it comes to fire-resistance, Garylite blocks are real fire fighters: An expanded slag Garylite block only 4.7 inches thick (solid equivalent) meets the National Board of Fire Underwriters' 4-hour fire resistance test.

Moreover, Garylite blocks are attractive. Light gray in color, and produced in a variety of surface textures, they are good-looking without further finishing, or they can easily be painted, plastered, or paneled to blend with any style of architecture. Millions of tiny cells throughout each block provide excellent sound absorption and thermal insulation; nails can be driven into them cleanly and will hold firmly — and to top it off, Garylite blocks are economical!

For further information on Garylite made with USS Expanded Blast Furnace Slag, write or call:

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Concrete: A Medium of Expression
In Wisconsin Architecture

In Madison a new physics lab takes shape at the University of Wisconsin. The roof is of precast concrete, the exterior walls are cast-in-place concrete and the interior walls and floors are of concrete. A concrete mural by a well-known artist decorates a wall. Concrete shapes have been thrust against the Wisconsin skyline with increasing boldness and regularity in past months. A score of buildings in addition to the physics lab incorporate concrete virtually from top to bottom.

The rationale for this flurry in using one of man’s oldest building materials with new vigor is found in three “E’s” close to every architect’s heart: economy, endurance and esthetics.

Industrialized precasting has lowered costs to the point where concrete curtain walls and roofs are competitive. And a vast body of knowledge learned and tested over the past 60 years has come to practical fruition in recent years, offering new solutions and techniques at lower cost in practically all phases of the concrete process. Job management, handling, shipping, additives and lightweight aggregates have each been subjected to study, with resulting economies.

These same factors have also created a new technology
for improved endurance, particularly of surface. Flaking, cracking and disintegration of surfaces no longer need be a concomitant of exposed concrete. A diligently compiled body of pragmatic knowledge of water-cement-aggregate ratios, application of air-entraining additives, mechanical vibrators, proper aggregates, curing and careful workmanship prevent these faults. And, of course, concrete continues to harden almost indefinitely by chemical process.

Perhaps most exciting to the architect, however, is the new esthetic of concrete. From factories to homes, concrete is used imaginatively to express different building functions. One Wisconsin architect says of a religious headquarters building, "The client's program called for a building to express directly and with dignity its use and its purpose. Concrete was chosen as the material best suited to accomplish this." Another says of a shopping center, "A powerful precast concrete canopy unifies all buildings in the Center. Its unrestrained quality typifies the spirit of discount selling and contrasts intentionally with the conservative appearance of the buildings themselves." Concrete no longer suggests the image of a grim, gray, war-associated mass. Astounding moods and textures and colors are possible through careful choice and use of aggregates, expressed formwork and finished surface treatment, combined under the architect's personal design expression.

The exploration of concrete technology by some Wisconsin architects and the impact of their individuality of design is shown in this issue.
Upper and lower left: RELIGIOUS HEADQUARTERS BUILDING, SOUTH WISCONSIN DISTRICT — MISSOURI SYNOD LUTHERAN CHURCH. Architects: von Grossmann, Burroughs & Van Lanen, Milwaukee
Contractor: D. G. Beyer, Inc.

Upper and lower right: CHILDREN'S COURT CENTER, Milwaukee.
Architects: Grellinger & Rose Assoc., Inc., Milwaukee.

Possibilities of Precast Concrete

By Richard Adams, AIA.

Reprinted through courtesy of ARCHITECT'S REPORT, the official publication of the Baltimore Chapter of the American Institute of Architects. Written by Mr. Adams, Marietta Concrete, Martin-Marietta Corporation.

Whether he chooses to make his structural forms the hallmark of his design or chooses, rather, to fashion his concept over and around them, today's enterprising architect can find no more stimulating and rewarding challenge than in the growing possibilities of precast concrete.

Exciting new varieties and combinations of product and application are being deployed in this relatively unmined method of design and construction. They follow so quickly upon one another that the seemingly impossible in one year becomes the newly practical in the next.

Frames, decks, walls . . . panels as long as thirty feet, spanning from column to column and floor to floor . . . exterior and interior panels made either to bear or not to bear loads, which resist wind without supplementary framing, eliminate expensive mullions, grid systems, masonry backing and numerous joints and connections, and which seal without leakage—these are aspects of the precasting concept which are making professional sense with increasing impact.

They are doing more. They are the foundation of a direct and engaging challenge to the art of the creative architect. The super-structure of this challenge is built of the elements that open new vistas in design. For the recognized plasticity of precast concrete, one of the most practical of building materials, is being enhanced and vitalized by striking new shapes, colors and textures. In some cases, it is the venturesome architect who has grasped the promise of the precasting concept and led the way to intriguing, colorful combinations heretofore unseen. In others, it has been the industry itself, meeting a built-in drive for better ways and more efficient facilities to expand the architectural horizon for its product.

By their nature, precast concrete products have fewer limitations than most other manufactured construction materials. But the dynamism of their progress has had side effects which have helped obscure the very real opportunities inherent in the present state of the art. So fast have technologies developed that the demand has outstripped supply in the pool of designers, precasters and contractors with expert knowledge in the field. The relative lack of formal training in precasting and prestressing available in universities has not permitted as rapid a filling of the pool as could be hoped.

Another condition must bear its share of the responsibility for the lag between the possible and the actual. This is the lack of precise sets of rules and manuals on precast products. There is nothing comparable, for instance, to the codes which guide shapes, details and specifications in the steel industry.

While such considerations may account for some lag in fully utilizing the possible, they need prove no obstacle to the enterprising architect who can visualize the vital aesthetic effects he can achieve in precast concrete, both on the interior and the exterior of his structure, and who ventures to explore the broad range of qualities precast concrete affords. He will find no lack of product or application, nor will he be at a loss to establish individual character in any form he chooses.

Precasting is still largely a custom industry. It has no pat answers to many of the problems that will confront the designer, for the ways in which he chooses to use precast concrete products are as individual as the work of the moment, and new ways and new products are coming along even as he deliberates.

Precasting is a fertile concept which is only beginning to be exploited fully by the designer. Precast units can be the most durable, economical and most beautiful of building components—weather-tight, maintenance-free, fire-safe, fast of erection—and can give the architect a heady freedom of distinctive design in sizes, patterns, shapes, textures and colors that excite and invigorate the imagination. The best precast products and their uses, hence some of our most appealing aesthetic contributions to architecture in the modern age, are yet to be designed and built by imaginative architects, engineers and manufacturers.
Concrete Being Poured From Scaffold Into Form

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GA 2-1130

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QUALITY READY MIXED CONCRETE FOR PERMANENCE

Concrete Being Poured From Truck
The above grill is made of reinforced precast concrete. The grill stands 68 feet high and is made up of 86 units, each unit is 4 feet high by 2½ feet wide. There are 8 different design units with a two way pitch to each design. This is one of many precast showpieces we have completed in 32 years of service.

Whatever your precast concrete needs, large or small, let us serve you with the same skill and craftsmanship for your project.

Other recent jobs are as follows:

- St. Mary's Catholic Church, Rhinelander, Wisconsin
  Architect — Roderick A. Nelson
- Gustav A. Fritsche School, Milwaukee, Wisconsin
  Architect — Grellinger & Rose
- Buckeye Road Site School, Madison, Wisconsin
  Architect — Graven, Kenney & Iverson
- Milwaukee Public Museum, Milwaukee, Wisconsin
  Architect — Eschweiler & Eschweiler

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AWARD

Shown here is the Silver Pitcher for which Wisconsin Architects Foundation made an award of $50 "for excellence in design and craftsmanship" at the recent Wisconsin Designer-Craftsmen Exhibit at Milwaukee Art Center. The artist who received the award is E. Dane Purdo, Art Professor at Milwaukee Downer College. Announcement of the award and Mr. Purdo’s interesting background were featured in the Foundation’s December article.

PURCHASE

Coupled with the above mentioned exhibition was another, that of Wisconsin Printmakers. From this fine display the Foundation’s judges made a selection for purchase, the monoprint shown above by Rosemary Bonifay. The print with its architectural character, in white, black and gold color, was chosen as an appropriate gift from Wisconsin Architects Foundation to the new office of the State Chapter AIA. Formal presentation to Mrs. Jane Richards, Executive Secretary, will be made at the January meeting, Southeast Division.

The artist, Mrs. Bonifay, who is well known and has exhibited widely has done most interesting work in this unusual medium. Formerly in advertising and public relations, her current interest is psychiatric occupational therapy, specializing in arts and crafts as related to rehabilitation of the mentally ill.

The monoprint is entitled Paray-le-Monial, an example of Cluniac architecture, built in 1100.

IN MEMORIUM

Mr. Walter A. Domann
Mr. Elliott B. Mason
Mr. Anthony Wuchterl
Mrs. Joseph Dempsey
Mrs. George Narovec
Mr. Joseph Lindl
Mr. Albert Trostel

Mr. Gilbert Eger
Mrs. Leona Schweitzer
Mr. Joseph Havlick
Mr. Willard Fraser
Mr. Charles Brennan
Mr. Sam Zilber
Dr. Carl Eberbach

Mr. Carl Schuchardt
Mr. Harold R. Wilde
Mrs. Ruth H. Mitchell
Dr. Leon Guerin
Mrs. Florence Trepte
Mrs. Dora Stein
Mr. Arthur Hellermann
Karel Yasko, AIA, has resigned from his position of Wisconsin State Architect, effective December 31, 1962, to join the General Services Administration in Washington, D.C. He assumes the position of Chief Supervising Architect for all federal building construction on January 2, 1963.

Significant has been his membership in the Chapter, his service on the Board of Directors and his committee activity. Most outstanding and prominent has been his one-man committee effort toward a School of Architecture for Wisconsin.

The office of United States' Architect should well benefit by the addition of Mr. Yasko's energy, eloquence and persistence. A comprehensive resume of his work will follow in a future issue of the Wisconsin Architect.

Women's Architectural League — Western Section plan "Visit to State Architect's Office to see operation behind the scenes in an office of job from start to finish" on Monday, Febr. 4.

Women's Architectural League — Western Division held an auction for the benefit of the Wisconsin Architects Foundation on Sat., Nov. 17 at the Middleton Sportsman's Club.

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Illustrated Catalog shows you how

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WHAT'S NEW

"WHAT'S NEW" appears in these pages in order to help serve the Wisconsin architect by informing him of new or advanced products and services. However, the information appearing here is paid for, constituting advertising, and therefore its appearance here in no way is to be construed as either a recommendation or an endorsement of the product or service by the Wisconsin Architect magazine.

"Celeste", a new lavatory, that contains faucet, soap dishes, waste control and overflow outlet within the bowl has been introduced. "Celeste" minimizes water on counter and floor, because soap may be tucked into niches under the front splash rim and the one-piece mixer faucet and handle overhangs the edge of the bowl. "Celeste" is available in white and seven colors and may be used in either new construction or remodeling. It measures, designed for flush mounting in a counter, 24 inches wide and 21 inches deep. The bowl is vitreous china. The fittings are chromium-plated brass.

Translucent fiberglass, shatter-resistant reinforced plastic panels used as roofing material provided the answer to the perennial problems of light and ventilation necessary under too-often muggy, wet, warm conditions prevalent in bathhouses, while maintaining the privacy that is the basic reason for the structure. The firm of Shifflet, Backstrom, Hutchinson & Dickey designed a bathhouse with such an unusual roof made of durable and colorful translucent fiberglass panels that the completed structure won a design award from Minnesota's AIA. Used was eight ounce paneling in a 2-1/2 inch corrugated configuration manufactured by Filon Corporation of Hawthorne, California.

For further information: contact: Wisconsin Architect, 781 N. Jefferson St., Milwaukee 3, Wis.

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THOMAS E. BLOOD, advanced from Junior Associate membership. At the present is residing in Montreal, Quebec, Canada. Born in Chicago, Illinois, he earned his B. Arch. at Massachusetts Institute of Technology in 1958. Formerly with Shattuck, Siewert & Associates in Neenah and Irion & Reinke, Architects, of Oshkosh, his hobbies are sailing, skiing and photography.

JUNIOR ASSOCIATE:

WARREN G. OLSEN, new Junior Associate member, with Krueger and Kraft of Madison. His B. A. was earned from the University of Illinois in 1959. He resides at 2706 Kendall Ave., Madison. Mr. Olsen was with Knodle & Baucom in Beloit prior to coming to Madison. He enjoys golf, handball and art as hobbies.

This new Wisconsin building was built with ARWIN/RUSCO

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General Contractor: Earl Millikan, Inc.
Rusco Steel Windows — Series 261—Color Horizon Blue
Series 590 Interior Metal Casing—Color Old Ivory

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Best wishes for your 1963 business year

personalized assistance for the architect available

Louis O. Tanner

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Merrill, Wisconsin

Masonic Lodge
Richard Rosenberger, Mason Contractor

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KE 3-8631

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the architractors

This letter was received in answer to the repeated invitation of the WISCONSIN ARCHITECT magazine to comment on Article 2 of the Mandatory Standards of the AIA.

November 12, 1962

Dear Mrs. Brink:

In answer to your letter of June 29th in which you inquire with regard to how we interpret the meaning of Mandatory Standard No. 2 of the Professional Practice of Architecture, we wish to submit the following comments:

Mandatory Standard No. 2, “An Architect shall not render professional service without compensation” would seem to be very clear in its intention that an Architect may seek to qualify himself through interview by a potential client; that he may during such interview display brochures, photographs, drawings, and other material that substantiate his claim to qualification for the work, but he shall not offer to provide, whether or not he is so requested, preliminary services of any kind before he is definitely assured that he will be retained for the work. Under no circumstances should he submit any sketches or drawings of any kind before he has been hired except as provided under Standard No. 4.

Standard No. 2 is certainly applicable and realistic for many reasons, a few of which are: it maintains Architecture as a profession and not a business; it causes clients to be more discriminating in their selection of an Architect by forcing them to relate their investigation of Architect’s qualifications to accomplishment rather than to materialistic bargaining for free service; it increases the laymen’s respect for Architecture as a profession; it causes him to be better informed with respect to what are the real considerations in the selection of an Architect; and it reduces his chances of being sold by a “lousy” sketch done by one who may be a fine delineator but a lousy Architect.

We question whether any group of people would expect a doctor, lawyer, or dentist to do work without compensation. And yet, they do seem to expect this of Architects, undoubtedly because certain Architects have indicated that they will offer “a leader” in the way of sketches or other service, which is indeed a gimmick long established by chain stores to beat competition. Thus, to us, when an Architect works without compensation, he not only violates Mandatory Standard No. 2, but also No. 3, because he is knowingly competing with other Architects on the basis of professional charges and/or services for the purpose of obtaining an advantage. Architects who will do this are: unaware of their own ability and accomplish-

ments and therefore must depend on the ignorance of the potential client; greedy to the point of subordinating excellence in Architecture to mass-production; or dishonest to the extent that they are willing to render the client less service than is proper because of less compensation, again depending on the client’s ignorance to not realize that service rendered was less than should have been provided.

Mandatory Standards 2 and 3 have been abused, and in some instances by “respected” members of the AIA. Definite examples of such abuse can undoubtedly be cited throughout Wisconsin. Typical are the following: A large Architectural plan factory submitted to an administrator of a governmental agency a complete sketch, schematic solution, together with a preliminary cost estimate for an extensive addition to a Governmental Building with the suggestion that the Administrator present it to the Board for their consideration. The Board and its proper committee for this project were not approached by the Architect, nor had they solicited his service. Correspondence between the Architect and the Board did not nor waste thy tongue on dull recrimination, but treat thine enemy as a brother and say of him, “The fee he asks is his estimate of his own worth; I would not have placed his value so low.”

If thine enemy creep into thy territory crying, “Four Percent,” cringe not nor waste thy tongue on dull recrimination, but treat thine enemy as a brother and say of him, “The fee he asks is his estimate of his own worth; I would not have placed his value so low.”

Verily, my son, thy tongue is like unto a sword and will protect thee from thine enemy in time of deep trouble. If thine enemy creep into thy territory crying, “Four Percent,” cringe not nor waste thy tongue on dull recrimination, but treat thine enemy as a brother and say of him, “The fee he asks is his estimate of his own worth; I would not have placed his value so low.”

And if perchance he offers sketches free to thy valued client, then thy tongue shall ask in amazement, “What then are these sketches worth that may be scattered like leaves in the wind and for which no man is asked to pay?”

These things thou may do, my son, without offense to thine honor, for he who places low value on himself cannot walk with those who have tasted the pride of accomplishment.
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Condensed Live-Load Table (PSF)

<table>
<thead>
<tr>
<th>Depth</th>
<th>10'</th>
<th>20'</th>
<th>25'</th>
<th>30'</th>
<th>36'</th>
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<tbody>
<tr>
<td>6&quot;</td>
<td>350</td>
<td>75</td>
<td>40</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>6&quot;*</td>
<td>420</td>
<td>98</td>
<td>44</td>
<td>—</td>
<td>—</td>
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<tr>
<td>8&quot;</td>
<td>435</td>
<td>233</td>
<td>139</td>
<td>89</td>
<td>58</td>
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<tr>
<td>8&quot;*</td>
<td>—</td>
<td>325</td>
<td>192</td>
<td>122</td>
<td>70</td>
</tr>
</tbody>
</table>

* 2" concrete topping
Crushing Strength — 23,950#

FREEZE-THAW TEST

Soundness of Coarse Aggregate
By the use of Sodium Sulfate (5 cycles) per ASTM C88-56T

QUANTITATIVE RESULTS

<table>
<thead>
<tr>
<th>Sieve Size</th>
<th>Grading of Original Sample</th>
<th>Weight of Passing Test Fractions Before Test</th>
<th>Passing Finer Sieve after Test (Actual percent loss)</th>
<th>Weighted Average (Corrected percent loss)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Passing</td>
<td>Weight of Passing</td>
<td>Passing Finer</td>
<td>Weighted Average</td>
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<tr>
<td></td>
<td>Percent</td>
<td>Percent</td>
<td>Sieve</td>
<td>on Test</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>77</td>
<td>1450</td>
<td>1.38</td>
<td>1.06</td>
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<tr>
<td>3/8&quot;</td>
<td>23</td>
<td>500</td>
<td>2.75</td>
<td>0.63</td>
</tr>
<tr>
<td>Totals</td>
<td>100</td>
<td>1950</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WALL OF BEAUTY, DONE IN LASTING STONE

METRO-NITE, brighter than snow, affords the finest in exposed aggregate panel technique, as seen in the District State Office Bldg., 7th & Kilbourn, as well as the Mathematics Bldg., University of Wisconsin, Madison; A. O. Smith Research Lab., Milwaukee; and many structures throughout the state and nation. Physical properties are listed below.

ABSORPTION (Method — ASTM C 127-42)
Absorption in 24 hr. — 0.2%

COMPRESSIVE STRENGTH (2" Cubes)

<table>
<thead>
<tr>
<th>Specimen No.</th>
<th>Ultimate Load (lb.)</th>
<th>Compressive Strength (psi.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>96630</td>
<td>23570</td>
</tr>
<tr>
<td>B</td>
<td>98180</td>
<td>23950</td>
</tr>
<tr>
<td>C</td>
<td>104050</td>
<td>25380</td>
</tr>
<tr>
<td>Average</td>
<td></td>
<td>24300</td>
</tr>
</tbody>
</table>

ABRASION (Deval Machine — ASTM D 289-55, modified)
Gradation of Sample as Received —

<table>
<thead>
<tr>
<th>Std. Sieves</th>
<th>% Passing</th>
<th>Grading of Sample used in Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>100</td>
<td>Passing Retained Percentage of</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>99</td>
<td>Sieve on Sieve Sample</td>
</tr>
<tr>
<td>1&quot;</td>
<td>72</td>
<td>1 1/2&quot; 1&quot; 25</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>22</td>
<td>1&quot; 3/4&quot; 50</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>4</td>
<td>1/2&quot; 25</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>2</td>
<td>Total Weight of Sample</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5000 gm.</td>
</tr>
</tbody>
</table>

Percentage of Wear = 20.8%

the Metro-Nite Co. 710 EAST SILVER SPRING DRIVE • MILWAUKEE 17, WISCONSIN
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ARCHITECT: Karel Yasko, State Architect

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CHAPTER NOTES


A. A. Tannenbaum reported on the success of the Southeast Section's Awards Program. The first of these awards had been accomplished early in December. The newspaper coverage was excellent and the entire program has every indication of being instrumental in inducing owners of downtown properties to make improvements and, also, developing a public cognizance of the ramifications. The Mequon architecturally developed residential section is making progress.

According to Emil Korenic, Western Section Director, his section has had two meetings and a combined get-together with W.A.L. in the last month. The two meetings were both interesting and informative and the W.A.L. meeting proved profitable for the W.A.F. The Western Section Auditorium Committee has met with the mayor of Madison and offered its assistance. New officers have been elected.

The Northeast Section met on December 3, at a joint business, informative and social session. New officers were elected. An interior designer was speaker of the evening.

Four membership applications were considered and accepted.

A Nominating Committee for the 1963 Director-At-Large elections was named by the Board. John Jacoby, Gordon L. Peterson and Mark Purcell, respectively from the Southeast, Northeast and Western Sections will serve on this committee.

The resignation of Director-At-Large Karel Yasko was accepted. Under the terms of the by-laws, Joseph Durrant of Boscobel was nominated and unanimously elected to fill this unexpired term.

Wallace Lee, Jr., was appointed to succeed Karel Yasko as chairman of the chapter Education Committee.

Allen Strang, President elect, was relieved of his duties as Legislation Committee Chairman. Francis J. Rose was appointed as his successor.

Two cases of alleged or apparent misconduct were considered and disposed of in appropriate manners.

Regional Director Julius Sandstedt reported on the recent meeting of the Institute Board. He discussed proposed organizational changes in the Institute. He outlined the amendments in the supplementary dues program. This will be greatly simplified in 1963.

The meeting was adjourned at 5:10 p.m.

Newly elected officers for 1963 —

Western Section

Paul H. Graven — President
James J. Angus — Vice-President
R. Wayne Duerst — Secretary-Treasurer

The officers were elected at the regular meeting of the Western Section on Tuesday, November 27 at the Cuba Club, Madison.

Emil Korenic, 1962 President, reported on the meeting of The Board of Directors and informed the members of the recommendation of the Board of Directors to consider the formation of a "Design Committee" on a section level. Two volunteers were appointed to study the recommendation by the Institute.

Ted Nugent, AIA, reported on the activity of the Convention Committee and announced the date for the annual convention to be June 3 through 7. The convention will be held at Elkhart Lake with headquarters at Schwartz Resort. Ted touched briefly on the intention of the Convention Committee "to this time explore the total architect and hold the convention as business-like as possible."

Some of the proposed topics are the exploration of the entrepreneur, what educators are doing about preparing young architects to meet the business-end of the profession, etc.

President-elect, Paul Graven, introduced the speaker of the evening, Donald H. Sites, AIA, Institutional Architect, University of Wisconsin, Madison. Mr. Sites informed his audience supported by impressive statistics about the expected increase of students and the expansion of the University necessitated by it. He then reported about Architecture in Universities of the West Coast he had recently visited and photographed. The meeting adjourned at 10:30 p.m.

Newly elected officers for 1963 —

Northeast Section

Robert L. Yarbro — President
Carl E. Boettcher — Vice-President
Sylvester J. Stepnoski — Secretary-Treasurer

The officers were elected at the regular meeting of the Northeast Section on Monday, December 3rd at New Holstein. The meeting was combined with the annual Christmas party and wives were present. 1962 president, Lawrence Bray, informed the members of the recommendation of the Board of Directors to consider formation of a "Design Committee", and that he had appointed an individual to study the proposal of the Institute. Ben Seaborn reported that steps have been taken to form a CSI Chapter for the Northeast Section. Bob Yarbro introduced the speaker of the evening, Mr. Jack Syvertsen of Forrest & Syvertsen, Ltd., Milwaukee, Interior Designers. The meeting adjourned at 10:30 p.m.

Membership meeting of the Western Section, AIA, is scheduled for Tues. Jan. 22 at the Cuba Club. Speaker is Harold W. Herman, editor of College & University Business Magazine. His topic is "How an editor looks at Architects and Architecture."

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This is but a small portion of the “stone wall” at Halquist. And only a small sample of the variety of stone that we at Halquist handle.

socorro lava
This product, quarried in a newly-discovered volcanic area of New Mexico, is a rugged, highly-textured material. The color is basically black and deep brown. Having a varying wall thickness of 3” to 4”, it can readily be used, the same as other masonry wall facings, without change of design.

utah jade
Here is an exciting, new material in a very delicate shade of turquoise green. This material, quarried in Utah, is a hard, dense stone which can be featured in any design from traditional to contemporary. The unusual green color will blend well with today’s trend toward earthy colors.

montana white travertine
is a distinctive, decorative material quarried in the mountains of Montana. It is an intense white material which lends itself well with any color scheme. The texture and varied shapes will enhance the beauty of the architect’s design.

From this same area, we get two other Montana Travertines . . . The Rose Tan and The Coral. Here again the same texture and shapes are available. The Rose Tan is a warm blend of color, basically tan or beige with soft lines of rose. The Coral, on the other hand, is a deep coral-rose shade with the tan or beige lightly running through.

palos verdes
is a very decorative stone quarried only in the historic Palos Verdes Peninsula of Southern California. It is available in four related types. The soft neutral colors are blends of grays to off-whites and creamy buffs and light tans. This stone will afford the architect and builder a wide variety of effects, harmonizing with any color scheme and period. This is truly California’s most distinguished stone.

obsidian
Nature’s glass from Little Glass Mountain at Mt. Losson, California. Jet black in color, this material has the depth and reflecting qualities of glass. Being glass, it is self-cleaning due to its complete lack of absorption. A truly magnificent stone of volcanic origin.

cactus canyon turquoise
Here is a product unbelievably colorful. A copper ore with two colors being predominantly red and turquoise. However, nature did not quit here. You will also find shades of blue, green, brown, blue-gray or gold. At first glance it is difficult to imagine that nature could blend all these colors so magnificently. If the unusual is desired, it can be found in this product quarried in the copper regions of Arizona.

stardust
A hard, durable quartzite stone quarried in the regions of Salt Lake City, Utah. Especially suitable for commercial buildings due to its complete lack of absorption and non-staining qualities. The soft blend of browns, buffs, tans, whites, silver & gray, lend themselves well with most any color scheme.

seafoam
Unlike most volcanic materials, it is pastel green in color with small particles of red, black and brown. This is classed as a welded tuff and is quarried on the Mohave Desert at the foothills of the high Sierras.

queen of the green
This quartzite sandstone is quarried in New York and Pennsylvania. It is available in either a strip ashlar or a web pattern as shown. The colors are green, gray green, lilac, charcoal and blue.