Awards were made based upon the students' lighting solutions for the Lindbergh Interpretive Center, a studio problem. Judging considerations included the students' approach to creativity, aesthetic and decorative qualities and functional design practice.

Congratulations to all five 1970 winners. All are students in the School of Architecture, University of Minnesota.
A. J. Wilwerding, vice-president and treasurer, and Harry G. Cerny, vice-president and secretary, have named Sierk, John Lindstrom and Stowell Leach president. Peoples . . .

Minus Iowa

PEOPLE . . .

Elevations and additions: Vernon L. Worrell has been named an associate of Durrant, Deininger, Kramer, Gordon, etc., of Watertown, Wis., and Dubuque, Iowa. Gary D. Davis is an associate of Paul, Hallbeck Associates of Eau Claire. Ellerbe Architects, St. Paul, has named Dennis F. Walsh chief designer for its Minneapolis office and has added educator Dr. Ellis G. Hanson as consulting architect. William Funk has joined the staff of Larson, Playter, Smith Architects and Associates, Eau Claire.

Topnotch specification writer is Jack E. Lindeman, vice-president of Thorsen & Thorshev Associates, 1970 CSI awards to him included first place in the commercial buildings category (Plaza Shopping Center in Escanaba, Mich.), second place in schools and educational buildings and facilities (Franklin Junior High School, Minneapolis), honorable mention in public buildings (Minnetonka Municipal Building), honorable mention in apartment buildings, housing projects, convents, etc. (Ebenizer Tower, Minneapolis).

Albert Michejda, project director at Haarstick, Lundgren and Associates, is spending four months in his native Poland as a guide for the USA's exhibit "Architecture—USA." He came from Poland in 1951 and joined the St. Paul firm two years ago.

New firms: Art Kaple, former vice-president of Ruble & Kaple, Inc., has opened his own office in Duluth under the name Art Kaple, Architects. The Milwaukee firms Losch-Haeuser, Inc., and William L. Guerin and Associates have merged to form Losch-Guerin-Mooney, Inc., President is William G. Losch, who is in Ethiopia establishing a branch office for supervising the construction of a series of resorts being built there by a Milwaukee investment group. William Guerin is executive vice-president and Terence R. Moony is vice-president. In La Crosse Michael Myers, formerly with Carl W. Schubert & Associates, has opened his own office. And with the accession of Dennis F. D'Jock as partner, the Spring Valley firm of Gavic, Ozolins and Gavic has divided into two associated firms: Ozolins D'Jock Partnership, Architects, and Gavic & Gavic, Engineers. Superior, Wis., architect David Dobberman has joined the Cannon Partnership of Niagara Falls, Buffalo and Toronto.

John C. Anderson, vice-president and secretary of Thorsen and Thorshev Associates, Minneapolis, and long active in the Construction Specifications Institute, of which he was president in 1967-68, has been named secretary and member of the board of directors of The Construction Sciences Research Foundation, Inc., of Washington, D. C. He has also been appointed to the national panel of the American Arbitration Association.

Sixteen Madison, Wis., architects have criticized Mayor William D. Dykeman's appointment of an engineer to fill a Landmarks Commission post for which the law required an architect. The commission is to deal with historic preservation.

Richard Blake, Milwaukee architect, has been named to the southeastern regional committee of the Wisconsin Mission 70 program. The program was initiated by Gov. Knowles to study the present imbalance of people and opportunities in the state and to plan for a projected population increase of 1.4 million in the next 30 years.

Landscape architect Kent G. Worley has protested the proposed route of the i-35 freeway through Duluth and urges that it be rerouted above the city in a partial bathtub.

Hospital administrator Larry W. Pugh has joined Ellerbe's systems and development division as consultant for programming medical facility needs. And Ellerbe Architects has formed a wholly-owned subsidiary called Land Research, Inc., to provide initial data and analysis to land investors. Heading the Minneapolis office will be Robert E. Jensen, vice-president and manager.

. . . AND PROJECTS

MINNESOTA

Hammel, Green and Abrahamson's new I. A. O'Shaughnessy Auditorium at St. Catherine's College in St. Paul has opened to a packed schedule of recitals, concerts and theater. In an admiring preview of the building in the September 27 Minneapolis Sunday Tribune, critic Allan Holbert judged that it "could be one of the state's finest concert halls," but failed to name the architects. There was a similar omission in his review of the new concert hall in Ames, Iowa, a year ago. Would he review a symphony without naming the composer, or a book without mentioning the author?

The proposed new twin-tower civic center, designed by John Carl Warneke for the Hennepin County board of commissioners, is trembling in the balance. The earlier estimate of $55 million has been upped to $81 million. And retired Minneapolis architect Albert Larson, in a Letter to the Editor, attacked both the extravagance of the proposal and the failure of the board to employ local architects. Commissioner E. F. Robb, Jr., said that the original budget was $18.5 million and that the county has only $39 million available. The city of Minneapolis has shown no eagerness to participate in the project.

Meanwhile, the Fairmont Sentinel has gently chided architects because two local projects, the hospital and the swimming pool, have exceeded their estimates by 18% and 37% respectively.

A non-profit corporation has been formed by the Minneapolis Chapter of the AIA to help supply low- and moderate-income housing within the urban-renewal areas of the city.

The winner of the recent competition for the design of a 1000-car parking ramp at the state capitol is George McGuire of Minneapolis. There were 30 entries. Besides his $20,000 first prize, there were three other prizes of $400, $200 and $100, won by Rapson and Associates, Myers and Bennett, Inc., and Gingo-Pink Architecture, respectively.

Myers and Bennett, Minneapolis, are architects for the Lindbergh Interpretive Center being built in Little Falls next to the Charles A. Lindbergh Boyhood Home. It will house a multi-media presentation of three generations of the family in Minnesota.

Pine Island's new hexagonal Church of St. Michael is by Charles A. Lindbergh Interpretive Center being built in Little Falls next to the Charles A. Lindbergh Boyhood Home. It will house a multi-media presentation of three generations of the family in Minnesota.

Pine Island's new hexagonal Church of St. Michael is by Charles A. Lindbergh Interpretive Center being built in Little Falls next to the Charles A. Lindbergh Boyhood Home. It will house a multi-media presentation of three generations of the family in Minnesota.

Pine Island's new hexagonal Church of St. Michael is by Charles A. Lindbergh Interpretive Center being built in Little Falls next to the Charles A. Lindbergh Boyhood Home. It will house a multi-media presentation of three generations of the family in Minnesota.

Pine Island's new hexagonal Church of St. Michael is by Charles A. Lindbergh Interpretive Center being built in Little Falls next to the Charles A. Lindbergh Boyhood Home. It will house a multi-media presentation of three generations of the family in Minnesota.
Blarney stone in your granite?

Talk to Arnold Henz or Roman Kuklok.

Chances are, it wasn't Arnold Henz or Roman Kuklok who slipped it in . . . but they both probably know the Irishman who did!

They're both old pros, and not much goes on around Shiely's granite quarry in St. Cloud that they don't know about. Shiely granite has been Arnold's business for the last 24 years. He was at the quarry the day it opened in 1945. Roman took his first look at the quarry 18 years ago and has been a granite man ever since.

With the help of old pros like Arnold and Roman, our St. Cloud granite quarry has become the biggest producer of commercial crushed granite in the area. Railroad ballast, bridge decking, river bank protection, streets . . . wherever absolute top quality aggregate is called for, Shiely granite is there to do the job. It's one of the 27 varieties of commercial aggregate available from Shiely.

And if a Blarney stone or two shows up in your next load, don't blame Arnold or Roman . . . it was probably the same guy who threw the overalls in Mrs. Murphy's chowder.
Overall economic considerations and desired flexibility were the primary reasons for the selection of modern prestressed concrete to be specified for the structural frame, floor, roof and wall elements of this structure.

2,350 L.F. of prestressed beams, 1,410 L.F. of concrete columns, 107,230 sq. ft. of single tee and double tee floor and roof units and 10,420 sq. ft. of wall panels are advantageously employed.

Bay size for the one level and two level areas are 32' x 64' and 32' x 48' respectively. 24" double tees span the 48' floor and 64' roof. 20" double tees span the 48' roof and 42" single tees span the 96' gymnasium.

Perimeter beams and columns and removable wall panels are provided in areas of future expansion.

Why not compliment your next "well done job" by specifying Wells.

WELLS PRESTRESSED
CONCRETE PRODUCTS COMPANY

WELLS, MINNESOTA 56097 — PHONE AREA CODE 507-555-3139
ST. PAUL, MINNESOTA — PHONE 455-3671

NORTHWEST ARCHITECT
"With A Planning Eye . . ."

By Donald W. Hassenstab
Executive Director, Minnesota Society of Architects

Every ending carries with it a beginning. Upon completion of something in which we are deeply involved we turn to the start of something new. These simple facts of life of man and of universes are brought sharply to mind for many of us at this time of year when the last month signals a closeout of opportunity. On the other hand, almost simultaneously with this comes the glow of the opportunities of the new year. So, as we look at the frustrations of the incompletions of 1970—and they were admittedly many—we should realize that the calendar of 1971 is filled with days in which we can build better on the experiences we carry forward from the year past.

In the work of the Minnesota Society of Architects those of us who are actively concerned with the directions in which it must move forward for the betterment of the profession now take a quick look back—but a longer and more active look forward.

The transition from the old methods of administering the affairs of the society to our new commission form has been made and we feel strongly it was successfully made. The reports presented during the recent state convention indicated the progress made by the active and co-operative efforts of scores of our members who served on the various committees and task forces. Their efforts were guided and coordinated by the five commissioners who exercised overview of the principal areas of the professional society, of education and research, of the professional practice, of environment and of public affairs. For those who have not already done so a scanning at least and preferably a reading of the reports of these committees and task forces will give a picture of what is being done. I personally hope that this will lead to more of our members becoming inspired to lend their abilities to solution of our problems and growth of the society's stature and service within our communities, state and as a part of the American Institute of Architects!

Long range planning is a vital part of our new commission system and there is a very active committee concerned with this. Our hopes for the future have been spelled out at least to a considerable extent. Success of these long range plans, of course, is made up of the many successes of immediate, planned operations designed and carried to fruition within the scope of the larger plan, the future goals. Each of these smaller successful steps requires the aid of many persons of many trained skills and varied backgrounds, varied experiences. These are our concerned and active members who are willing to take of their time and give of their abilities—they are always much needed and will always be most welcome!

With what has already been accomplished in developing an MSA which serves its profession and the people and institutions of its communities some of us may find fault and all of us recognize that the successes, permanently effective or of transient quality, need to be developed constantly. That is what is so important as we reach this time of the fading year. Those who find fault should speak up at the right time and to the right persons so real faults can be corrected in the coming months. Those who can build on the successes of the immediate past should be willing to do so—and they should try to encourage others to join them in their active work for out of the meeting of many minds we are bound to evolve the proper answers.

In this connection this quote, from a source which escapes recollection at the moment, seems fit—"with a discerning eye on the past and a planning eye on the future, let us build today . . ." Come join us!
Anchor Block Company
Complete Autoclave Production
Highway 36 & McKnight Road
No. St. Paul, Minn. 55109
Telephone 777-8321
Minnesota Concrete Products Association

Versatile, Eye Appeal, Fire Safe, Economical, Structural Stability, Load Bearing

For quality and service contact the nearest MCPA member

1821 University Ave. St. Paul, Minn. 55104
646-2893

Allen B. Benzick, Executive Secretary

NOVEMBER-DECEMBER, 1970
Togetherness Is For Holidays

But when you're letting contracts, SEPARATE is the way to go!

SEPARATE BIDS for Mechanical/Electrical and General Construction contracts save costs, permit greater control. And since Mechanical/Electrical Systems can amount to as much as 50% of total construction costs, control of their design and installation is vital.

To builders, architects and engineers, togetherness means economy, efficiency and control. And the best way to get this kind of togetherness is to let Mechanical/Electrical and General Contracts SEPARATELY.
PROJECT: Cutler-Magner Company Office Building, Duluth, Minnesota
Architect: Damberg & Peck, Duluth, Minnesota
General Contractor: Lakehead Constructors, Superior, Wisconsin
Precast Supplier: Spancrete Midwest Company, Osseo, Minnesota
Spancrete Midwest Company furnished and installed the double tee walls and roof of this structure.
JURY REPORT—In reviewing the 91 submittals to the 1970 Honor Awards Program we were struck by the persistent use of dominating idioms of exterior form. In their cohesion even the best of these buildings lacked the qualities that seemed, now especially, fundamental to being humane—to opening the experience of architecture to the disorders in which we live. At their worst these forms served to pointlessly suppress important information about the buildings and their uses. In most the attention to external forms was more noticeable than the provisions for joyful inhabitation.

The two Honor Awards and the six Awards of Merit that we have selected do not, for the most part, fit within that more general mode. They are mostly characterized by exploration and occasional mistake by an excellence of intent that is not fettered by established patterns of execution. They are, insofar as we can tell, good buildings that fit their places and purposes, executed with competence and with respect for their users. The designers explored in each a somewhat different human and environmental condition and their purposeful diversity more accurately accommodates the human condition than does the cohesive idiom of the majority of the entries or the random diversity of the Strip.

The Jury
Stanford Anderson
William LeMessurier
Charles W. Moore
William Southworth
Donlyn Lyndon, chairman

The cover of this issue represents the convention of the Minnesota Society of Architects and was used as a poster for that meeting. This issue contains the honor awards given at the convention and our next issue will further explore its results through presentations by distinguished speakers' comments, etc.
HONOR AWARD

Four Cabins
Upper Eau Claire Lake
Solon Springs, Wisconsin

Client Architects
Unit R  John Rauma, AIA Minneapolis
Unit A  Bruce Abrahamson, AIA St. Paul
Unit P  Leonard Parker, AIA Minneapolis
Unit S  James Stageberg, AIA Minneapolis
JURY COMMENT:

These cabins together fulfill most completely the stated criteria in the Honor Awards booklet. The four architects-owners have established a direct and suitable vernacular that fully respects the environment in which they sit, while retaining the capacity for variation and invention. Within that vernacular the architects have worked out cabins that are spatially interesting and are executed with uncommon finesse.
HONOR AWARD

80 Units of Senior Citizen Housing
Thief River Falls, Minnesota

Client
The Housing and Redevelopment Authority
Thief River Falls, Minnesota

Architect
The Hodne/Stageberg Partners, Inc.
Minneapolis, Minnesota
JURY COMMENT:

This project was particularly admired for the skill with which an efficient scheme for housing had been elaborated with private courts and shared atria into a complex that could be personalized and that conveyed little of the persistent, arrogant institutionalism that so often characterizes housing of the type. Casual, workmanlike detailing and conventional materials take the edge off forms that might otherwise have been forbiddingly geometric and remote from the experience of the people.
AWARD OF MERIT

Drs. Goodman Residence
St. Paul, Minnesota

Client
Drs. Malka and Ernest Goodman

Architect
Parker Klein Associates
Minneapolis, Minnesota
JURY COMMENT:

The exterior of this house is immediately engaging. The interior is less immediately so, yet, examination reveals a careful disposition of rooms and levels, and variations of volume, light and view that have made much of an unexceptional site.
Folsom Residence
Colorado Springs, Colorado

Client
Mr. and Mrs. Elwood Folsom

Architect
The Hodne/Stageberg Partners, Inc.
Minneapolis, Minnesota
JURY COMMENT:

This house settles easily into its desert setting, with cavernous porches and sunbleached wood. Its simple plan is handsomely modified to offer a range of enclosures and vistas.
AWARD OF MERIT

Power Plant

University of Minnesota
Morris, Minnesota

Client
The University of Minnesota

Architect
The Cerny Associates, Inc.
Minneapolis, Minnesota
A strong geometrical shape is used here to suppress the elegant inner complexity of a power plant that frames the entry to an athletic complex. The prismatic form has three types of facade and each is used to advantage in the larger scheme to which the roof gestures, while proudly flaunting its stacks.
Townhouses

Client
Ban Con, Inc.
Roseville, Minnesota

Architect
The Hodne/Stageberg
Partners, Inc.
Minneapolis, Minnesota

JURY COMMENT:
This project is recognized as a long stride into the home market. The site allows retention of rear common open space, providing for each home a...
Several house types within a standard module, and variation enlivens an otherwise unified prospect. Each of the unit types has some intrinsic spatial interest, and the general prospect is a pleasant one.
Hillsborough Office Building
Roseville, Minnesota

Client
Ban Con, Inc.
Roseville, Minnesota

Architect
The Hodne/Stageberg Partners, Inc.
Minneapolis, Minnesota
JURY COMMENT:

This rental office building is constructed with humble techniques that are consistent with its humble budget. It draws upon the previous existing landscape with the single gesture of an encompassing courtyard to make a place that is welcoming and inhabitable.
AWARD OF MERIT

Mary, Mother of the Church
Burnsville, Minnesota

Client
Mary, Mother of the Church

Architect
The Hodne/Stageberg Partners, Inc.
Minneapolis, Minnesota
JURY COMMENT:

This building gives evidence that places are made with bricks, people and light, not bricks alone. The plan gives an easy encompassing order to liturgical gatherings and the building is enlivened by the combination of people and their activities.
MSA Convention—

NEW OFFICERS

The Minnesota Society of Architects elected its 1971 officers during its 36th Annual Convention. They will take office in January.


SPECIAL MSA AWARDS GO TO EIGHT FIRMS AND PERSONS

Three Minnesota architectural firms were named recipients of the G. H. Tennant Awards for the Elimination of Architectural Barriers to the Physically Handicapped and Aged. The awards, sponsored by the Minnesota Society for Crippled Children and Adults, were presented during the convention of the Minnesota Society of Architects to Alden C. Smith, Smith Architects, Minneapolis, Bergstedt, Wahlberg & Bergquist Associates, St. Paul, and Arthur C. Lucas, Duluth.

The projects involved were the Sheltered Workshop and School for the Minneapolis Cerebral Palsy, designed by Smith, the Medtronics Rice Creek Plant designed by Bergstedt, Wahlberg & Bergquist Associates, and the KDAL Radio and Television Communications Center, designed by Lucas. The projects are located in Minneapolis, Fridley and Duluth respectively. The award is a commendation “for incorporating into the project features which make the entire facility accessible to and usable by the physically handicapped.”

Five special awards were presented to individuals and organization representatives. A Grand Old Man award was presented to Frederick Klawiter of St. Paul for his 60 years in the architectural profession. A Special Citation for Public Service went to Elmer Slagle of the Minnesota State Health Department for “meritorious service to the public and to the architectural profession in the design of health care facilities.” A Special Citation for Public Affairs Leadership was presented to the Downtown Council of Minneapolis, O. D. Gay, executive director, and to the Nicollet Avenue Committee, Jack McHugh, chairman, for “nine years of leadership and direction leading to the accomplishment of the Nicollet Mall in 1967.” The final award was for major contributions to the construction industry and went to George Saffert of the American Art Stone Company, New Ulm, Minn., for “his devotion to the development of precast concrete as an architectural material.”

MSA CONVENTION EXHIBITOR AWARDS

The 1970 awards for outstanding booths at the MSA convention were given out at the Friday luncheon by Leonard W. Anderson, president of the Minnesota Society of Architects. They went to NECA, Armco Steel Corporation, Rollin B. Child, Inc., St. Charles Kitchens, Mahin-Walz, Inc., Cronco-Lite, Div. of Cronstroms Mfg., Inc., Weyerhaeuser Company, Manitoba Trade Exhibitions, Inland-Ryerson Const. Products Co. and Lurie Patek.

AIA WINS IDSA AWARD FOR BETTERMENT OF ENVIRONMENT

The first Damon Woods Award of the Industrial Designers’ Society of America has been presented to The American Institute of Architects for “conspicuous contribution to the betterment of the environment.” Rex Allen, FAIA, president of the AIA, received the award at a dinner that climaxed the design society’s 32nd annual meeting.

“The projects and programs initiated by the AIA over the past several years represent today’s professional architect’s sense of priorities concerning our environmental needs,” stated T. P. Madawick, president of the IDSA and vice-president of design, RCA.

In accepting the award, Mr. Allen said “The American Institute of Architects accepts this award from the IDSA as a symbol of increasing collaboration between architects and designers concerned with advancing techniques of industrialization, particularly with regard to increasing our supply of well-designed housing. We are confident that factory-built components can be of quality design and are a necessary prerequisite toward meeting the nation’s serious housing shortage.”
175,000 square feet of FLEXICORE was used on this all-masonry building. Custom made slabs were used on the pie-shaped units, in which every slab was a different length. On a project as large as this, fitting the pieces of the pie together requires skill, experience and coordination. Next time think FLEXICORE FIRST.

Underwriters Laboratory labeling service is now available on 8" and 10" Flexicore. This service provides savings in fire insurance rates and is yet another reason for specifying Flexicore.

Molin Concrete Products Co.

Since 1897
The New Age of Lath and Plaster
— Exterior Wall Systems

Creative
Beauty and
Rugged
Durability
at a cost
no other
system
can match

MILCOR 4" WIDE FLANGE
STUDS, 16" O.C.

1/2" PLASTER BASE

1/8" VENEER PLASTER

METAL LATH

1" STYROFOAM

7/8" EXTERIOR
ARCHITECTURAL
PLASTER

Hope Lutheran Church
Arch.: Ralph Rapson & Assoc. Inc., Mpls.
Contr.: Peterson & Hede Inc., Mpls.

Minnesota Lathing and Plastering Bureau
795 Raymond Ave., St. Paul, Minnesota 55114
Phone 644-3022

NORTHWEST ARCHITECT
the
N.W.P.A.
is putting on a front!

NORTHWEST PRECAST ASSOCIATION MEMBERS:

American Artstone Company
P.O. Box 297
New Ulm, Minn.

ArrigonI Brothers Company
817 Vandalia Street
St. Paul, Minn.

The Babcock Company
P.O. Box B
Kasota, Minn.

Gage Brothers Concrete Products Inc.
P.O. Box 1373
Sioux Falls, S.D.

Inland Schokbeton
Div. of Neb. Prestressed Concrete Co.
P.O. Box 29208
Lincoln, Neb.

Midwest Concrete Industries
1514 Fuller Road
West Des Moines, la.

Molin Concrete Products Co.
885 West Minnehaha Ave.
St. Paul, Minn.

Wilson Concrete
P.O. Box 7208-So. Omaha Station
Omaha, Neb.

ORTHWEST PRECAST ASSOCIATION
association devoted to the promotion of precast architectural concrete

NORTHWEST ARCHITECT
THE TWILIGHT PAGEANT OF ITALIAN ART
By Linda Hoeschler

For years art historians have viewed Italy as the cradle of art but at the same time as being in the cradle when it comes to 18th Century art. A bias persists in favor of Settecento Venetian painting, with its exultant triumph of Tiepolo, Canaletto and Guardi, to the neglect of many good works from the rest of the Italian peninsula.

A new exhibit at the Minneapolis Institute of Arts, "Painting in Italy in the Eighteenth Century: Rococo to Romanticism," organized by its own Anthony Clark, John Maxon of the Chicago Art Institute and Otto Wittmann of the Toledo Museum, takes a more catholic approach by including 105 settecento paintings from the major city states of Italy which trace the final bloom of the Renaissance at the edge of the modern age.

The viewer slips into the position of the Grand Tourist of the 18th Century as he starts through the exhibition halls which are arranged to display the art from the top of Italy—Piedmont, Liguria and Lombardy—down to the bottom of the boot—Naples. The walls have been repainted for this show, in bright vibrant blues, greens, greys and browns which highlight the rich blazing colors used by the painters.

It is interesting to trace this route which spans the Rococo period to the Romantic during this century of the Enlightenment. This century of new rationalism started in Italy with the publication of Giambattista Vico's "Scienza Nova," yet this country with its fragmented politics and culture, never led the tumultuous transition of Western civilization when the European mentality passed from dependence on the church and nobility to the brink of democracy and industrialization. England and France, the new cultures, were in the vanguard of this movement, accompanied by new art forms, whereas Italy was steeped in the tradition (and habit) of past artistic accomplishment.

Therefore, what we experience in this exhibit at the Art Institute is not the exuberant revolution of society, the coming of the brave new world, but rather the eloquent, poignant, twilight pageant of the Renaissance, with the end of Italian cultural supremacy over Europe.

One senses in viewing the works of many of these unfamiliar or little appreciated artists that the problem of many Italian painters of the 1700's was that they were overwhelmed by the grand tradition of the previous centuries which they inherited, without having the benefit of a style and subject liberator like the French Watteau. For some Italians the transition from the Baroque style was difficult, if not impossible, for they were cognizant of continuing a tradition. Their persistent taste for religious and historical subjects, far less important in France or England, places them as the signers of the swan song of this type of painting.

Yet for most of the artists represented in this show the transition was fairly smooth. Solimena and Giaquinto of Naples evolved a "high rococo," replacing Baroque monumentality with Rococo decorative grace, and the Roman, Marco Benefial, is a seminal proto neoclassic painter (neo-classism was the direction of many Italian 18th century painters) whose work "Pyramus and Thisbe" recalls the 17th century Guido Reni.

The more outstanding sign of an evolution from earlier styles and subject matter are the three types of painting which received particular emphasis in all centers of Italy during this century: genre, portraiture and real and fanciful painting of views (veduta).

Genre painting, which had flourished in 17th century Genoa, depicts lower and middle class scenes with greater realism and occasional caricature, the master of genre being the Bolognese, Crespi. Portraiture, only recently appreciated in Italian art history research, became more concerned with the man behind the mask, developing into a more realistic and psychological characterization. Landscape painting was truly a product of the 18th century for the patrons of this art were the Grand Tourists who bought the souvenir landscape—either a topographical view or the landscape of pure fantasy.

(Continued on page 416)
STUDENTS RECOGNIZED FOR LIGHTING DESIGNS

The top picture here shows O. C. Oberg of Northern States Power Company presenting the IES certificate to Matthew Thompson. The bottom picture is of Greg Peterson.

Five students in the School of Architecture, University of Minnesota, shared in the annual NSP Lighting Design Award for 1970. There were two first place winners—Greg Peterson and Matthew Thompson, both from Minneapolis—and three second place winners—Randy Engel and Galen Grant from Minneapolis and David Smith from Edina—all Grade III students.

A group of the winners, with their displays in the background, is made up of (l-r) Greg Peterson, Randy Engel, David Smith and Galen Grant.

The Lindbergh Interpretive Center was a studio problem in architectural design with the purpose of describing the history of the Lindbergh family through three generations and to place it in the context of state and national history.

Messrs. Parker, Bennett and Michelson, members of the School of Architecture staff, used this project as a two-stage problem in spring quarter 1970. The first phase was the design of the building and exhibition area. Phase two was the lighting design necessary for utilization of the building for its intended purpose of communicating objective information and historical background.

The student winners were also recognized at the November meeting of the Illuminating Engineering Society, Twin City Section. Certificates and prizes were presented to them by L. J. Reigert of BMD&R Inc., co-chairman of the Allied Arts Committee.

A new concept of composite design in buildings
RESIDENTIAL COMMERCIAL INDUSTRIAL

We invite your inquiries concerning this new and remarkable combination of economy, strength and lightness in flat roof and floor systems.

Component Parts' SPANJOISTS add the strength of steel and plywood to common lumber, providing the required deflection for all types of buildings.

Write or Call for Brochure and Information.

Component Parts, Inc.
Division of South Side Lumber Co.
5650 Wayzata Blvd. 544-8822

come explore our new world of business interior design

globe OFFICE FURNITURE
4200 Olson Hwy. / Minneapolis, Minn. Phone 612/521-2225

NORTHWEST ARCHITECT
Enduring Beauty

Artistic Face Brick
... every texture and color
- Glazed and Unglazed Facing Tile
- Paving - Floor Brick
- Quarry Tile
- Glass Blocks

Serving the architectural profession and construction industry of the Northwest since 1890.

TWIN CITY BRICK COMPANY
Minneapolis, Minn. • St. Paul, Minn.
Manufacturers Face Brick
Building Materials Distributors

Where do new ideas in block shapes & patterns come from?

SCORED BLOCK

...RAKE JOINT

UP TO FIVE SCORES
PER FACE!

"V" JOINT...

CONCAVE JOINT

All types of scores can be made on either one or both sides of block.
All types & sizes of scored block are not inventoried—order ahead to be sure.

THE CHAS. M. FREIDHEIM COMPANY
5115 West 36th Street
St. Louis Park, Minn. 55416
927-4511

Controlled Quality

WASHED
DRIED
SCREENED

WHITE SILICA
PLASTER SAND

IS THE KEY TO BEST RESULTS

Available in Bags or Bulk Through Dealers

GOPHER STATE SILICA, Inc.
PRODUCERS OF HIGH QUALITY SILICA PRODUCTS
MINING & PROCESSING PLANT, OTTAWA, MINN.
GENERAL OFFICE, LE SUEUR, MINN.

NOVEMBER-DECEMBER, 1970 401
For safety sake, specify
"B-T TESTED"
(Blow Torch Tested)

KEEP-SAFE
CARPETs

Once you see the marvelous fire resistance built into every Keep-Safe carpet you will always specify Keep-Safe for critical and hazardous flame-spread areas. Keep-Safe’s private and unique B-T (Blow Torch Tested) specially compounded rubber backing will not support flame. Fire smothering pile density is obtained from DuPont’s carpet nylon spun to Keep-Safe’s original specifications. Keep-Safe is designed for both residential and commercial use and is carefully crafted to keep its fresh, new look for years with minimum care. Call or write for your sample and/or specifications today.

IDEAL FOR NURSING HOMES • HOSPITALS • SCHOOLS
• MOTELS • APARTMENTS • OFFICE BUILDINGS • HOMES • RESTAURANTS • THEATERS

call or write:

Rollin B. Child, Inc.
DISTRIBUTOR
420 Excelsior Ave. West Hopkins, Minn. 55344
PHONE: 612-938-2785

Over 20 years of service to the construction industry for ceramic tile, carpets and related products.

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

MODERNFOLD MAN

The Modernfold Man is the space man; he is the number one source of operable wall systems for every interior space concept where flexibility is specified.

In Minnesota/Wisconsin... call:
Bob Mahin, Dale Lommen, Jerry Fischer or Paul Bardal

mahin-walz, inc.
Hopkins
Phone: 935-7759

MODERNFOLD MAN

The Modernfold Man is the space man; he is the number one source of operable wall systems for every interior space concept where flexibility is specified.

In Minnesota/Wisconsin... call:
Bob Mahin, Dale Lommen, Jerry Fischer or Paul Bardal

mahin-walz, inc.
Hopkins
Phone: 935-7759

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.

AMERICAN ARTSTONE COMPANY

New Ulm, Minnesota
Phone 354-5011

or

ROBERT J. SNOW, Representative
Phone 823-5035
Minneapolis

ARCHITECTS

Insist on CAST STONE (Artstone) to meet Federal Specifications SS-S-721C for your next project.

You can have several finishes and colors all in the same building.

Write or call us for a Cost Estimate.
DIMOND AND DRAKE CO-OPERATE ON BANK ISLANDS


The marble was used for unusual tellers' islands in the main office when the architects designed a building which would be a symbol of today's business attitudes. The structure is at the axis of a pedestrian oriented mall in the city's loop area.

"It meant that the bank had to do business in a new way," David Nordale of Dimond Associates said. "We wished to make tellers, loan officers and other personnel more accessible to the public than in the traditional bank." The service islands were the answer. They provide access of customers from every direction and can handle a maximum number of transactions with a minimum of moving about, thus speeding banking business.

The island frames were of plywood, faced with marble veneer. The fabrication and installation of the marble was handled by Drake Marble Co. Drake's vice-president, F. Denton White, Jr., who is president of the Marble Institute of America, commented in an article on the building in Stone Magazine, that:

"We had to spend a lot of time working out a plan for installing the marble that would follow the architects' design. The big job was to prevent the joints from showing, in order to maintain the monolithic appearance of the pods."

Get flawless, uniform lettering from your draftsmen at twice their present speed!

It's true. We've tested the new Gritzner lettering typewriter with experienced draftsmen. After only a few minutes training, their lettering speed averages 3.5 times faster than with stencils and 1.8 times faster than handwork. This improved efficiency can save the low cost of a Gritzner in a few weeks! Clear, uniformly perfect lettering is a bonus!

The Gritzner is easy to use. There's no keyboard to learn. No ribbon to change. It's lightweight, to move freely to any point on a drawing and gives bright, clean impressions on all drafting media. You'll find it one of the most practical and versatile tools ever made for draftsmen, designers and architects. Ask us about standard and custom type sizes, prices, etc.

HAMILTON DRAWING BOARD

And while you're at it, why not get complete information on our full line of Hamilton's high-quality drafting room furniture too. This new Dial-A-Torque unit, for example, has made space saving and Hamilton synonymous. Its famous advance design drawing surface and rich formica wood-grain accents, combine to give beauty and durability unmatched in the industry. Many models and options available. Ask us for complete information and prices.
MODERNFOLD INTRODUCES
NEW DIVIDER SYSTEM

"It's the new Acousti-Seal 301 —more versatile, easier to install, easier to operate, offers more finishes," said the recent announcement of a new room divider system by Modernfold Division. "This single panel system provides an unlimited variety of individual room combinations easily and quickly. No elaborate switches or heavy structural headers are needed. The panels slide along a low-profile track, even making right angle turns within its own basic track system requiring no switches," the report said.

Acousti-Seal 301 panels are lightweight, with a revolutionary suspension system offering ease of operation without costly or cumbersome mechanical switches. Floor-to-ceiling work surfaces, projection screens, chalkboards, tackboards, are all available on the 301. New Vyneer, woodgrain reproductions with a mar-resistant vinyl finish, is another feature available with this new 301 system, the company said.

Details can be had from Modernfold Division, New Castle Products, Box 310, New Castle, Ind. 47362.

Modernfold is represented in this area by Mahlin-Watz of Hopkins, Minn.

"How can you remember names so well?"
"Oh, I took that Sam Carnegie course."

CONSULTING ENGINEERS' OFFICERS

The officers who were installed to guide the 1970-71 destinies of the Consulting Engineers' Council of Minnesota are shown in the picture here, following election at the group's annual meeting earlier this fall. They are (l-r) Pres.-elect Leif W. Ericksen, V-P Douglas G. Wolfangle, Sec. Sherman J. Cooley, Treas. Frank B. Likens and Pres. David R. Conkey. Executive director of the council is Earl G. Oxley.

SOIL ENGINEERING SERVICES, INC.

6800 S. County Rd. 18
Minneapolis, Minn. 55435

Borings • Tests • Inspection • Analysis
Reports • Recommendations

MANKATO STONE

Represented by
RAY F. HORWATH
1540 McKnight Rd., St. Paul 55119
Telephone 777-3800
and
DICK NOLAN
Mankato, Minn.
Tel. 387-7978

CELANESE COATINGS COMPANY
3550 Belt Line Blvd.
St. Louis Park, Minn. 55446
Phone—224-0337

Special Coatings
And
Paint for Any Surface
Plus
Color Service
with over 1,000 colors to choose from
(or) match that color
Architect & Contractor
Coordinating to Satisfy the Client

NORTHWEST ARCHITECT
The Symbol of Quality Since 1896

SPECIALIZING IN
Ceramic and Quarry Tiles
Marble and Slate
Northwestern Tile Company
925 West 80th St., Minneapolis, Minn. 55420 881-2678

finish and waterproof at ½ the cost
STOP RUBBING CONCRETE!

Two brush coats of THOROSEAL were applied over poured concrete walls to completely fill and seal all voids, making the surface attractive, thoroughly waterproofed, finished economically—no rubbing necessary. And, to secure a firm bond, ACRYL 60 was added to the mixing water (1 part to 3 parts water) for extra strength, a lifetime of wear.

CONPRO, INC
University of
30th Avenue N.E.

(612) 781-9583

NOVEMBER-DECEMBER, 1970

STREMEI
TIN CLAD FIRE DOORS

Save Buildings

Dependable Stremel Tin Clad Fire Doors will save thousands of dollars in property loss, insurance costs and prevention of business interruption ... as it did when the Purina Mills storage building in Minneapolis burned recently. The Stremel Tin Clad Fire Doors held, confining the blaze to the rear of the building.

AUTOMATIC CLOSING PREVENTS FIRE TRANSITION THROUGH OPENINGS IN FIRE WALLS.

Metal & Tin Clad Doors & Grilles
(Approved by National Board Fire Underwriters)

STREMEI BROS. Mfg. Co.
260 Plymouth Ave. No.
Minneapolis, Minnesota 55411

Roman Travertine exterior marble furnished & installed using Zibell System for installation by

DRAKE MARBLE COMPANY
60 Plato Avenue, St. Paul, Minn. 55107 222-4759
Carl W. Fogelberg Co.
★ WALCON CORP.—Metal Building Panels & Louvers
★ ALLIANCE WALL—Porcelain Enamel, Laminated Veneer, Sandwich and Chalkboard Panels
★ KEENE CORP.—Div. of Penn Metal Speed Steel Structural Framing
★ ERDIE PERFORATING CO.—3 Dimensional Decorative Panels
CALL 646-7306
1595 Selby Ave. St. Paul 55104

DALE TILE CO.
HWY. 100 & FRANCE AVE. N.
MINNEAPOLIS, MINN.
Phone 533-8631
Your Armstrong Contractor

Minneapolis Blue Printing Co.
Agents for Keuffel & Esser Co. of New York
★ Architects and Engineers Supplies
Blue Prints and Photostats
★ 332-5444
612 Third Ave. So. Minneapolis 55402

W. L. Hall Co.
CUPPLES ALUMINUM ENTRANCES
WAUSAU ALUMINUM WINDOWS
HICKMAN ALUMINUM FASCIA AND WATER DAM SYSTEM
KALWALL PANELS AND SKYLIGHTS
CHEMCLAD PLASTIC LAMINATE DOORS
TROPICEL DECORATIVE PANELS
FOLDOR PARTITIONS AND FOLDING WALLS
ALENCO DOUBLE HUNG AND SLIDING WINDOWS
2816 Dupont Ave. So., Minneapolis

PROGRESS . . . through TESTING

TWIN CITY TESTING AND ENGINEERING LABORATORY, INC.
Constructional Materials Piling and Lumber Foundation Soils Investigations Including Diamond Core Drilling; Metallurgical & Mechanical Engineering X-Ray & Radiography; Magnetic Particle Inspection; Welder Qualification; Seismology & Engineering Geology; Analytical Chemistry (Coal, Metals, Petroleum, Water).

Twin City Testing and Engineering Laboratory, Inc.
662 Cromwell Ave. Tel. 646-3601
ST. PAUL, MINNESOTA 55114
Lakehead Testing Laboratory, Inc.
226 N. Central Ave., Duluth, Minn.
55811. Tel. 628-2295
411 Sixth Avenue N.W., Rochester,
Minnesota 55901 Tel. 288-7060
4909 North Cliff Avenue
Sioux Falls, S. D. 57104 Tel. 332-5371
1906 E. Broadway Tel. 223-6149
1906 E. Broadway Bismarck, N. D. 58501
2105 7th Ave. No. Fargo, N. D. 58102
Bismarck, N. D. 58501
Fargo, N. D. 58102
3903 Gateway Dr. Tel. 774-7412
Grand Forks, N. D. 58201
Highway 83 S., at Harrison Ave.
Radio City Addition
Minot, N. D. 58701 Tel. 938-6634

ELEVATOR CO., INC.
★ Elevators
Passenger and Freight
Hydraulic and Electric
Residence Lifts
★ Dumbwaiters
Material Handling Equip.
Platform Lifts
Dock Levelers
Complete repair and service department for all makes—24 hour service.
For Free Estimate and Specifications
Write 6045 Pillsbury Ave., Mpls. or Call 861-3377

TECHNICAL REPRODUCTIONS INC.
★ REPRODUCTIONS FOR
ARCHITECTS • ENGINEERS • SURVEYORS
2101 BROADWAY N.E.
MINNEAPOLIS, MINNESOTA 55413
NORTHWEST ARCHITECT
WORLD AUTHORITIES AT PRESTRESSED CONCRETE DESIGN SEMINAR

Fritz Leonhardt from West Germany, A. J. Harris from England, Arthur R. Anderson, T. Y. Lin and 17 other leading engineers from the United States including Ben C. Gerwick, Jr. and Ross H. Bryan will instruct at the Prestressed Concrete Institute Design Seminar to be held in the Drake Hotel in Chicago, January 25-29.

"This is the first time in the United States that such an advanced, in-depth structural design seminar specializing in prestressed concrete buildings and bridges has been made available to the engineering profession," the institution's announcement said.

The Seminar will consist of a series of lectures, detailed design examples and actual laboratory tests on full-size prestressed concrete elements. The nature of the seminar will require that those in attendance be practicing structural or bridge engineers with at least several years' design experience.

A number of concurrent sessions will be held to meet the special interests of those primarily concerned with design of buildings and those concerned with bridge design.

Among the subjects covered will be conceptual design, flexural design and partial prestressing, sheer and torsion, building design examples, bridge design examples, materials and losses, connection design, continuity, post-tensioning etc.

Information on details is available from the Prestressed Concrete Institute, 205 W. Wacker Drive, Chicago, Ill. 60606.

---

Does your job call for a Bronze finish?
Light or dark Gray? Copper?
Esthetic beauty with economy?

★ TI-GUARD — the fastest growing architectural metal
★ SHEET COPPER ★ TITANALOY
★ SHEET ALUMINUM ★ FOLLANSBEE TERNE
★ DEAD SOFT STAINLESS STEEL
★ ALL POLISHED STAINLESS STEEL

ONLY VINCENT HANDLES ALL OF THESE ARCHITECTURAL METALS

Call us for engineering assistance, samples, spec data sheets, descriptive literature, or histories of any of these metals — ask for Marv Hork.

We specialize in . . . no maintenance, no painting, no replacement metals . . .

DEVELOPER AND SOLE NATIONAL DISTRIBUTOR OF

"VINCENT BIG 7"-"9"

America's finest extruded aluminum fascia and gravelstop system. Available in mill finish or duronodic bronzes.

COST EQUAL TO OR LESS THAN SHOP FORMED GALVANIZED OR ALUMINUM

One piece construction — one man installation — no maintenance, repair or replacement.

Finest in face brick & tile

HEBRON BRICK COMPANY
HEBRON, NORTH DAKOTA
The Home of Permanent Building Material

BUILDING PRODUCTS DIVISION

Vincent BRASS & ALUMINUM COMPANY
724 24th Avenue S.E.
Minneapolis, Minnesota 55414 • (612) 378-1131
One of the curiosities about the use of stained glass is the fact that the two places where we expect to see it are in churches and in bars. On reflection this may not be so strange; it would be an old pun to say they are both spiritual enterprises. But the pun is not all joke for both of these institutions support a kind of life different from that which to many people is humdrum, banal, materialistic, rational and therefore unreal. The coloring and splintering of light does something to suggest the reality of a different kind of existence. It's a mild sort of psychedelia; stained glass seems to open the door a little bit to the awareness that we live in a luminous world.

The journal of The Stained Glass Association, which is appropriately called Stained Glass, arrives in some of our offices quarterly and the last issue just came. One may learn from it that the association is trying to break out of the church-and-public-house syndrome. The glass designers seem to be saying, "The whole world ought to be a temple," which is very true indeed. The virtues of stained glass are available for any kind of building and we would all be better off if by using it generally we could rid it of its ecclesiastical and alcoholic associations.

Anyone who wants to subscribe to Stained Glass can write 3600 University Drive, Fairfax, Va. 22030. It has frequently some interesting material.

Ed Sovik, FAIA
NORTHWEST ARCHITECT
Area Notes (Continued from page 366)

New bids on a scheme of alternates were taken in an effort to bring the St. Paul Civic Center within the authorized budget of $11.8 million. Earlier bids had exceeded this by $3 million. Hearst Longden and Associates, Inc. of St. Paul are the architects for the arena and convention facilities complex.

WISCONSIN

Praise for a building and its architect appears in the Madison press. In an editorial, The Capital Times calls Harry Weese's Elvehjem Art Center on the University of Wisconsin campus "a rare jewel" amid the "clutter of undistinguished buildings" and says that its interior elicits "an exhilarated gasp." The State Journal refers to the "grand effect of the Paige Court," a sky-lighted atrium of unpolished travertine. Architect Weese, in turn, has high praise for Prof. James Watrous of the Art History Department, who wrote the program and worked with the architect "without ever interfering with the design by presenting us with preconceived notions" until the sixth and final scheme was reached. The success of the $3.5 million building budget, built with privately raised funds, indicates that the best architecture requires both a talented architect and an enlightened client.

Black River Memorial Hospital in Black River Falls, by Durrant, Deininger, Dommer, Kramer and Gordon of Watertown, was awarded the Defense Department's certificate of commendation for the fallout shelter. The $150,000, 8200-square-foot educational facility complex was made at that meeting.

The Chippewa Falls Herald-Telegram has high praise for fellow citizen Douglas Herbert Smith, member of the Eau Claire firm of Larson Playter Smith Architects and Associates, for his design of the new State Journal public library. Columnist Holly Meier comments on the quiet harmony of its design, materials, and colors: "Walking inside the building is almost like entering a deep forest—with a country kind of quietness settling over you."

Two schools and a library by Madison architects Weiler, Strang, McMullin and Associates were among the exhibits at the 47th annual conference of the Council of Educational Facility Planners in Oklahoma City in October.

The Hudson firm of Hirsch, Stevens & Samuelson has been engaged to design the new $2.5 million middle school for New Richmond. The firm's addition to the Hudson House Inn is under construction.

The $150,000, 8200-square-foot educational building for the United Methodist Church of Sparta, designed by Hackner, Schroeder, Rosiansky and Associates of La Crosse, has been completed. Bids on their 40-unit housing for the elderly in Prairie du Chien exceeded estimates by only 5%.

Preliminary studies for new schools and additions to existing schools in the Tomah district are being prepared by Krueger, Shutter Associates.

The recently completed 20-bed addition to St. Michael's Evangelical Lutheran home for the Aged in Fountain City, by The Klinger Associates, Inc., Eau Claire, totaled $154,000.

A $10 million addition to St. Michael Hospital in Milwaukee is being designed by Pfleiler-Flad & Associates. Preliminary sketches for a 55-unit apartment project for the elderly in Watertown have been released by the architects, Durrant, Deininger, Dommer, Kramer and Gordon.

Bids for Owen Ayres & Associates' addition to the county courthouse in Menomonee came in slightly under the estimate of $175,000.

IOWA

As they say in Turkey: "Yok!" ("There isn't any.")

THE DAKOTAS

Crosby, N. D., interviewed four architectural firms in August with regard to the proposed municipal building. No decision was made at that meeting.

Huron College in Brookings, S. D., has a new Campus Center building designed by The Spitznagel Partners, Inc. of Sioux Falls.

And now your scribe retires after two years of unremitting toil (it seems like). As they say in Sweden:

"SLUT.

To which the editorial staff adds, "Thanks for a job well wrt, Ed!!"
Prestressed Concrete Makes "Tallest"

A 19-story Housing for the Elderly structure whose shell is constructed entirely of prestressed concrete units was recently "topped out" in Minneapolis. It is reportedly the tallest post-tenanted prestressed wall panel structure in the United States.

All units in the structure were made by Prestressed Concrete, Inc., in its Roseville, Minn., plant. By using prestressed concrete wall and floor panels the building was completed in the "record time of six months and moved up occupancy seven months ahead of schedule," the report from the company said.

Designed by Williams/O'Brien Associates of Minneapolis, the building contains 196 units (182 dwelling units and 12 service units). A total of 96,000 square feet of precast wall panels consisting of 768 units, 84 precast stairs and 110,000 square feet of precast floor and roof plank were used to complete the 170-foot structure.

Home-A-Rama Scheduled for February

The Builders Exchange of St. Paul will again sponsor Home-A-Rama, the city's annual home show, early in 1971, Pres. Fred R. Aichinger has announced. Dates for the show will be February 20 through 28, and the site will again be the St. Paul Armory in the capital approach area.

Mr. Aichinger announced that Ray A. Thibodeau, executive secretary of the Builders Exchange, will again be show manager. Assisting him will be Roger E. Miller, assistant secretary.

"This will be the 14th annual home show sponsored by the Builders Exchange," Mr. Aichinger said, "and will feature 150 displays of new products, equipment and materials for the home. As in previous years the 1971 show will be a free admission event. Because of heavy advance interest in the show, coupled with predictions that 1971 will be better than any recent year for home remodeling and new home building, the show committee anticipates the bulk of the available exhibit space will be reserved promptly, Mr. Aichinger said.

Window and Mosaic Creators Leave

The Peter Dohmens, well known in this area for their creative work on stained glass windows and mosaics, have decided to return to residence in Europe, expressing
disappointment in the ways in which they have been treated in the United States. The Dohmens were the subject of a special article in Northwest Architect when they first arrived in Minnesota and had established their studio in the Stillwater area. They have not decided where their new residence will be.

MILLER NEW PRESIDENT OF GUARANTEED GRAVEL & SAND

Wilbur Miller is the new president-treasurer of Guaranteed Gravel & Sand Company, according to an announcement by Mrs. Frank Balcerzak. Mr. Miller has been affiliated with the firm for the past 22 years and prior to his joining Guaranteed he spent 18 years in the banking business. Business has and will continue on as normal under the past existing policies of the firm, Mrs. Balcerzak reported.

LIGHT ON CHURCHES

"Lighting the house of worship is truly a challenge to the imagination, technical ingenuity and, above all, the good taste of the illuminating engineer. More than any other building type, the church is built to express the solemnity and grandeur of man's belief in the eternal and light, so often associated with deep-rooted religious experiences, can be used to enhance this spiritual expression. Proper illumination also can play an important part in the many more functional uses of today's house of worship," comments the introduction of "Lighting the House of Worship — A Challenging Art," a non-technical brochure on church illumination available from Stonco Lighting, a division of Keene Corporation, Kenilworth, N. J.

The brochure enumerates some of the functions of outdoor illumination, describes the most frequently used techniques and lists several of the newly available lighting sources.

A variety of outstanding church lighting effects achieved in specific applications is illustrated. Write manufacturer for brochure 339.

NEW QUALITY CONTROL MANUAL AVAILABLE FROM PCI

An up-dated version of the Manual for Quality Control for Plants and Production of Precast Prestressed Concrete Products is now available from the Prestressed Concrete Institute, according to J. F. Hassell, Jr., chairman of PCI's plant certification committee.

The manual is a 90-page, hard cover, 6 by 9-in. edition of the document issued by PCI in 1966 that was marked "tentative." Since that time the manual has been thoroughly modified through corrections, changes and additions which were reviewed by a special re-write subcommittee of the plant certification committee, which produced the book.

The manual (MNL 116-70), is available from PCI, 205 W. Wacker Dr., Chicago, Ill. 60606 at $5 per copy to PCI members and $15 a copy to non-members.

stop unsightly damage

with Century Guard Rail

Some people don't know where to stop...or even care. Century Guard Rail prevents damage to buildings, walks, lawns and shrubs from poorly parked or carelessly driven vehicles. Guard Rail provides excellent "in-out" traffic control and maximum use of parking facilities around motels, restaurants, student dormitories, "drive-ins" and other parking areas. Rail sections are formed from semi-spring steel to safety cushion all impacts and assure maximum durability. Choice of curved terminal sections or gracefully curved and flared terminal end wings enhance appearance. Materials can be purchased separately or completely installed by expert Century erection crews from your nearby Century office.

Phone for FREE estimate — no obligation

Century Fence Company

1409 West County Road C • St. Paul, Minn. 55113

411
MARVIN INTRODUCES “SINGLE HUNG” WINDOWS

A lot of engineers said you couldn't improve on B-tu-Mix Bituminous Surfacing. Our new "DEEP STRENGTH" Design proves they were wrong.

ATTRACTION
- ATTRACTIVE
- BLINDS WITH NATURAL SURROUNDINGS
- GLARE FREE
- SELF CLEANING
- PROVEN
- FROST RESISTANT
- WATER PROOF
- BETTER LOAD DISTRIBUTION
- SIMPLIFIED DESIGN
- REDUCED CONSTRUCTION TIME
- LESS GRADING
- EXCEPTIONAL LONGEVITY
- YEARS OF MAINTENANCE FREE SERVICE

A new single hung window called the “Singl-Lift” has been developed by Marvin Windows, Warroad, Minn. It is similar to a double hung window but only the bottom sash is operative. The top sash is glazed directly to the frame, providing a slightly larger glass area.

Because of their simple construction, single hung windows are somewhat lower in price than double hung windows of comparable size, Marvin’s announcement pointed out. The Singl-Lift is available with either brick mould casing or vinyl nailing fin. The nailing fin unit has a modern shadow casing exterior.

The Singl-Lift window also is available with several types of glazing. In one, both fixed and operating sash have button-on storm panels. Insulated glass both top and bottom is also offered. The third type has a button-on storm panel for the top half, and an interchangeable storm window and screen outside of the lower sash. The storm and screen are removable from the inside.

The Singl-Lift has extruded aluminum jamb liners. These are spring-loaded, making it easy to remove the operating sash from inside the room for cleaning. When the lower sash is double glazed, balanced hardware is furnished. The unit is made of clear Ponderosa pine which has been pentatreated for protection.

For complete information write Marvin Windows, Warroad, Minn. 56763.

AISC ANNOUNCES SUPPLEMENTING 1969 SPECIFICATION


Several of the more important revisions incorporated in the AISC Specification by Supplement No. 1 are the following:

- Hot-formed welded and seamless high-strength low-alloy struc-
tural tubing, ASTM A618, has been added as an approved material.

Steel stud shear connectors are required to conform to the requirements of the AWS Code D1.0-69.

The provisions regarding depth-thickness ratio of webs of members in bending have been modified.

The provisions governing design assumptions for composite construction without temporary shoring have been clarified.

The section covering straightening material has been retitled to cambering, curving and straightening and the section has been reworded for clarification.

Copies of Supplement No. 1 are available without cost on request to the American Institute of Steel Construction, 101 Park Ave., New York, N. Y. 10017.

VINCENT PRESENTS TECHNICAL DISCUSSIONS

Vincent Brass & Aluminum Co., Minneapolis, recently conducted a field trip and held a dinner-seminar for members of the Construction Specifications Institute, who included a number of Twin Cities' area architects and members of their staffs.

A tour of Vincent's "CUE" award-winning facilities, including their modern warehouse was part of the program. The Minneapolis Committee on Urban Environment (CUE) cited Vincent for its new building which "contributes substantially to the beautification and enhancement of the city of Minneapolis." The new Vincent national headquarters building contains in its 30,000 square feet, offices and cafeteria. It is done in a brick, glass and aluminum fascia and, with a large expanse of landscaped lawn and shrubbery, contrasts sharply with the surrounding area dotted with milling elevators, heavy manufacturing, trucking and rail yards.

"While we are proud that Vincent was selected for this honor, of beautifying the area, I feel certain our new offices will vastly improve our overall efficiency and service to our customers. We are most grateful to those who selec-
Conventional phone companies are oversubscribed on their present channels, Minnesota Mobile said.

Details can be obtained from Minnesota Mobile Telephone Co., 5128 Hanson Court, Crystal, Minn. 55428.

"Have you any four-volt, two-watt bulbs?"
"For what?"
"No, two."
"Two what?"
"Yeah."

NEW SYSTEM ERECTS IN ONE DAY

A new building system which will erect the floors, walls and ceilings of a complete apartment structure in one day has been announced by David W. Hanson, president of Fabcon, Inc., Minneapolis.

The company will produce Span-Deck, franchised, eight-foot-wide prestressed, concrete 'hollow-cored slabs' to be used for 'instant walls, floors and ceilings' in apartment buildings, schools and commercial-industrial structures.

Gerald Rauenhorst, president of Rauenhorst Corporation and board chairman of Fabcon, Inc., described the process as giving construction in this area "a tremendous boost at a time when new starts have been lagging."

Mr. Hanson, former general manager of Spancrete Midwest Company, said the product is a new concept in making hollow-cored slabs that "set high standards of uniformity, strength, fire safety, flexibility in finishing and sound control." He said Span-Deck walls, floors and ceilings would be sold in Minnesota, North Dakota, South Dakota, Iowa and Wisconsin.

"Of course the most satisfying result," said Hanson, "will be the ability to provide less expensive apartment units, resulting in lower rents while the buildings are still new. As costs have risen, the trend in schools and apartment buildings has been to prefabrication of major components, to modular design and on-the-site assembly."
Fabcon plans to break ground before year's end, subject to approval by Burnsville officials, for a million-dollar, 1200-foot-long plant to extrude the panels. Special machinery for the new operation is on order. The slabs are produced on a highly automated rolling bed assembly line, machine-finished, cured and precision-cut to desired lengths up to 55 feet. Standard widths are eight feet in depths of 8, 12 and 16 inches.

Other advantages to Span-Deck, according to Hanson, are dramatically improved fire insurance rates, floor and ceiling slabs that are smooth, with only small joints between the eight-foot units and surfaces that can be painted, papered or left in their natural color state. The same Span-Deck section can be erected vertically as an eight-foot-wide industrial wall panel, competitive with concrete block in costs, he said. It is manufactured with insulation in its core holes which can be left in the slab, producing an insulated concrete wall panel. The panels will be available later with special exterior wall finishes in patterns and exposed aggregate. No topping is necessary on the floors. The panels are smooth on top, requiring simply a pad and carpet.

VETS OFFERED TRAINING AS MASONs, PLaSTERERS

A federal contract of about $400,000 for training returning servicemen as cement masons and plasterers has been awarded to the Portland Cement Association and the Operative Plasterers' and Cement Masons' International Association.

The 16-month program will be funded through the Manpower Development and Training Act and administered by the Department of Health, Education and Welfare and the Department of Defense. It is part of DOD's Transitional Manpower Programs designed to equip military veterans with job skills before leaving the armed services.

The PCA-OP&CMIA program will be conducted by the Portland Cement Association and the International union at 10 military bases, including Fort Leonard Wood in Missouri.

"Our principal goal is to help the Department of Defense return more men to civilian life with marketable skills and to help meet the shortage of trained workers in the construction industry," said James D. Piper, PCA senior vice-president for education. "To trained men the concrete industry offers an excellent opportunity for good earnings, advancement and wholesome working conditions."

VETS OFFERED TRAINING AS MASONs, PLaSTERERS

A federal contract of about $400,000 for training returning servicemen as cement masons and plasterers has been awarded to the Portland Cement Association and the Operative Plasterers' and Cement Masons' International Association.

The 16-month program will be funded through the Manpower Development and Training Act and administered by the Department of Health, Education and Welfare and the Department of Defense. It is part of DOD's Transitional Manpower Programs designed to equip military veterans with job skills before leaving the armed services.

The PCA-OP&CMIA program will be conducted by the Portland Cement Association and the International union at 10 military bases, including Fort Leonard Wood in Missouri.

"Our principal goal is to help the Department of Defense return more men to civilian life with marketable skills and to help meet the shortage of trained workers in the construction industry," said James D. Piper, PCA senior vice-president for education. "To trained men the concrete industry offers an excellent opportunity for good earnings, advancement and wholesome working conditions."

Please let our advertisers know you "saw it in Northwest Architect" and give YOUR magazine a boost!

PRECAST TERRAZZO

STAIRS
COPINGS
BASES
BENCHES
SILLS
PLANTERS
FACIAS
MURALS
TILES

Grazzini Bros.
& Company

620 16th Ave. So.
Minneapolis, Minn.
Phone 336-7735

NOVEMBER-DECEMBER, 1970

Please let our advertisers know you "saw it in Northwest Architect" and give YOUR magazine a boost!
Italian Art
(Continued from page 399)

The present day Grand Tourist at the Institute of Arts who begins his journey in northern Italy will be surprised by the neutral, unsentimental genre portraiture of Giacomo Ceruti as depicted in his "Portrait of a Young Man" and "Country Girl with a Wine Flask," as well as the anti-classical realistic rendering of Sipper, "The Lute Player." A good example of intense psychological knowledge of his sitter is Ghislandi’s "Portrait of a Pupil as a Gentleman" and dramatic tensions are expertly conveyed by a pair of works by Magnasco. The viewer should also compare Lorenzo Percheux's neoclassical "Death of Epaminondas" which follows the classical composition of Poussin's "Death of Germanicus," hanging elsewhere in the institute, both of which were painted in the same studio.

The three rooms of Venetian painting, numbering 31, is an impressive testimony to the marvelous production of this school during the 1700's. From those who heralded the sudden renewal of artistic activity at the beginning of the century, Amigoni, Pellegrini, and the Riccis, through those who culminated and ended a great tradition, Tiepolo and Guardi (who overshadow the impressionists) it is a dazzling display. (Unfortunately for Tiepolo and other fresco painters their works cannot be truly appreciated because of the impossibility of showing them.)

Of course, the veduta paintings of Canaletto, Bellotto and Guardi dominate this area but startling are the sober colors of the works of Piazzetta which distinguish him from his contemporaries who favored light, clear colors. He rivals Tiepolo as the most interesting painter of Settecento Venice and his figures have a naturalistic conception and imply a psychological narrative.

The Bologna and Emilia area centers around the realistic genre of Giuseppe Costa and one of the loveliest works of the show is his, "The Lute Player." Also notable is the "Noli Me Tanger" of Franceschini who interpreted the ideals of the 17th century classical style, as well as the variety of works of the Gandolfi family.

One of the most charming examples of realism appears in the Roman arena, Amorosi's "Vagabond." Midway between the Baroque and neoclassical styles are the works of Pompeo Batoni, the great painter of Rome, whose portraits of delicate womanhood gave him the greatest fame. Also intensely beautiful are the two pictures of Marco Benefial, and worthy of note are the works of the most famous Roman landscapist, Panini.

An outstanding type of character depiction hangs in the final, Neapolitan gallery, a portrait of Ferdinand IV by Giuseppe Bonito which is reminiscent of Goya (supposedly he influenced Goya). Near the fine examples of Italian rococo by Gauniotto hangs the most romantic picture of the exhibit, "Landscape with Horsesman" by de Marchis. As with Tiepolo, the works of the undisputed leader of the Neapolitan school during the first half of the 18th century, Solimena, are incompletely represented because his major vehicle was the fresco. One of the most intriguing works is the genre painting of Traversi, "The Arts-Music," a realistic social statement.

After viewing the exhibit in its geographical divisions, it is difficult to discern any certain declaration of trends of Settecento Italian art. Rather, when one compares the diversity of types of art being produced in any one decade, it seems that the breadth of Italian art in this century was more a matter of the individual developments and regional trends. The show is a valuable learning aid and the absence of parochial attitudes toward 18th century art is a landmark among American museum exhibits.

The show, which closes January 10, is accompanied by an excellent catalogue and its four-page discussion of the technical aspects of Settecento Italian painting is a rare, worthwhile inclusion.

Linda Hoeschler is a freelance arts critic and reviews the performing arts for the Minneapolis Star.

INDEX TO ADVERTISING

American Aristone Co. .................. 402
Anchor Block Co. .................. 372
Andersen Corp. .................. Back Cover
Babcock Co. .................. 397
Bituminous Surfacing Co. .................. 412
BMD&R, Inc. .................. 413
Can-Tex Industries .................. 369-370B
Carney Co. .................. 403
Century Fence Co. .................. 411
Child, Rollin B. .................. 402
Component Parts Co. .................. 400
Conpro, Inc. .................. 405
Dale Tile Co. .................. 406
Devoe Co. .................. 404
Drake Marble Co. .................. 405
Fogelberg, Carl .................. 406
Freidheim Co. .................. 401
Gabberts .................. 410
Globe Office Furniture .................. 400
Gohlke, George .................. 405
Gopher State Silica, Inc. .................. 401
Grazzini Bros. Co. .................. 415
Hall Co., W. L. .................. 406
Hebron Brick Co. .................. 407
Lester's .................. 414
Mahin Walz .................. 402
Mankato Stone Co. .................. 404
Minneapolis Blue Printing .................. 406
Minneapolis-St. Paul Piping Council 374
Minnesota Concrete Products .................. 373
Minnesota Lathing & Plastering Bureau .................. 396
Molin Concrete Products .................. 395
Northern States Power Co. .................. Cover II
Northwest Precast Association .................. 398
Northwestern Tile Co. .................. 405
Prestressed Concrete Co. .................. Cover III
R & O Elevator Co. .................. 406
Rogers Co. .................. 403
Shiey Co., J. L. .................. 367
Soil Engineering Services .................. 404
Spancrete Midwest .................. 375, 376
Stremel Bros. .................. 405
Technical Repro .................. 406
Twin City Brick Co. .................. 401
Twin City Testing & Engineering .................. 406
Vincent Brass Co. .................. 407
Wells Concrete Co. .................. 369
NORTHWEST ARCHITECT
When SPEED is Important...

Specify Prestressed Concrete, Inc.

Fast, high quality construction with Prestressed Concrete has numerous advantages — like putting occupants in your building sooner — or avoiding a tie up of interim financing for long periods of time — or the economies of minimizing scaffolding and bracing with pre-tensioned wall panels — or utilizing wall and floor panels with pre-cast plumbing, electrical and mechanical openings. All of these advantages made possible the construction of the Housing for The Elderly building in Northeast Minneapolis in a record time of six months. It also moved up occupancy a full seven months ahead of schedule. The building rises a full 19 stories and 170 feet above the ground, and incorporated 768 precast wall panels, 84 stair riser and landing units and 110,000 square feet of prestressed floor and roof planks — all manufactured off the job site under qualified plant conditions and trucked to the building site as needed.

HOUSING FOR THE ELDERLY (MINN. 2-32): 635 Seventeenth Ave. N.E., Minneapolis, Minnesota.
STRUCTURAL ENGINEER: Bakke & Kopp, Inc., Minneapolis.
GENERAL CONTRACTOR: J. Johnson & Son, Inc., Minneapolis.

If you are designing with speed and quality in mind, specify Prestressed.

Call on me for no obligation (wow) details.

PRESTRESSED CONCRETE, INC.
2582 LONG LAKE ROAD, ROSEVILLE, ST. PAUL, MINNESOTA 55113 / TELEPHONE (612) 633-4175
Your clients don't have to care for it.

They don't have to paint it, scrape it, or putty it. They don't have to put up and take down storm windows.

They don't have to bother with rusting, peeling, pitting and corrosion. Or rattles, leaks, warping or twisting.

Because this is an Andersen Perma-Shield® Casement. A wood window sheathed in tough, rigid vinyl.

This weatherproof sheath forms a tight shield around the window's wood core. It protects the wood from moisture and the drying effects of wind and sun.

And double-pane insulating glass eliminates the need for storm windows.

Andersen Perma-Shield is the only window that combines low maintenance with the warmth and beauty of wood. Very important in our sometimes sterile and utilitarian environment.

Whether you're designing an apartment complex, commercial building, or a home, specify Andersen Perma-Shield.

Your clients don't have to care for it.

For more information about Andersen Perma-Shield, check your Sweet's Catalogue, or your nearest Andersen distributor.

Andersen Windows

Window beauty is Andersen

Andersen Corp., Bayport, Minnesota 55003