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BRAKT

May June 1958

Volume XXX



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NORTHWEST ARCHITECT

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VOLUME XXII 1958 NUMBER 3







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A silver anniversary plus two years marks the time since C. P. Pesek and G. W. Shifflet opened an office as architects and engineers in Minneapolis. "Cy" Pesek resigned from the original firm to join the Minnesota Mining and Manufacturing Company and shortly after World War II Kenneth A. W. Backstrom became a partner. Since then Marlin D. Hutchison and Arthur H. Dickey have become principals in the firm and the name of the firm became Shifflet, Backstrom, Hutchison and Dickey, Inc., with offices at 17 West Franklin Avenue, Minneapolis, Minnesota. The members of the firm take an active part in many professional, civic and service organizations. All of the principals of the firm, as well as most of the staff, are members of the American Institute of Architects and have held many offices in both the Minneapolis chapter and the state society. Glynne Shifflet is past president of both of these professional organizations. Kenneth Backstrom is now serving as a member of the Minneapolis Library Board and is on the board of directors of the Hennepin County Tuberculosis Association.

It has been this firm's policy to maintain a general practice rather than to specialize in any particular type of building and under this system the firm has designed and directed the construction of buildings in such classifications as churches, church schools, public schools, commercial and industrial buildings, institutional and professional buildings, recreational and club types and housing projects. The firm is also proud of the close friendships that have grown out of its residential work over the years. While the early stages of programming and design are a collaborative effort of the staff and all of the firm members, each project is personally managed by one of the four principals, who closely follows the work through all of its stages. The firm has commissions in Minnesota, North Dakota, South Dakota and Wisconsin, which are the states in which its members hold registrations, and has the following buildings under construction at the present time: Edina Pool Bathhouse, Wrozalla Publishing Plant in Stevens Point, Wisconsin, Rural Co-operative Power Association Office Building in Elk River, Minnesota, Shingle Creek School, Earle Brown School Addition, Immaculate Conception Church in Columbia Heights, Minnesota, Watson, Sturges Clinic in Richfield, Minnesota, Professional Building in Wayzata, Minnesota, and the Wayzata Country Club.

NORTHERN PUMP COMPANY, MINNEAPOLIS, MINNESOTA



This ten-page feature is our monograph for this issue.



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Anderson as Keynoter, Root as Medallist Are Among AIA Convention Details

Secretary of the Treasury Robert B. Anderson will be keynoter for The American Institute of Architects' annual convention, it has been announced by AIA President Leon Chatelain, Jr. The convention will meet in Cleveland, Ohio, July 7-11, with headquarters in the Hotel Cleveland.

Dr. Margaret Mead, associate curator of ethnology at the American Museum of National History, will address the convention on Wednesday morning, July 9. Her topic will be "The Anthropologist Looks at Architecture." Dr. Mead is widely known as a writer on anthropological subjects.

Because the architect's services are expanding and the demands upon him are greater and more diverse than ever before, the convention program this year is geared towards providing a deeper understanding of the economic forces of the nation that are influencing environmental patterns.

Secretary Anderson's opening address on Tuesday morning, July 8, will be followed by the architectural keynote speech of Philadelphia architect Vincent G. Kling. At luncheon that day Harlan Hatcher, president of the University of Michigan, will speak on "The Western Reserve—Part of our Heritage."

Specialists serving on panels will discuss such practical matters as how to make better cost estimates, where to find construction money, developing today's building program and working with the home builder. Other seminars are scheduled on urban planning, office organization, chapter affairs, and on "Professional Status —Your Most Valuable Asset."

The Gold Medal, highest honor given by the Institute, will be awarded at the annual banquet on Thursday. July 10, to John W. Root of Chicago, architect of many of America's distinguished buildings. Born 71 years ago, the son of the famous architect John Root, Sr., Mr. Root is widely known as one of the leaders in freeing American architecture from its "period" bonds. Many of the buildings he designed in the 1920's foreshadowed present-day building design. Among the most advanced buildings of its time is the A. O. Smith Engineering Building in Milwaukee, which Root designed in 1928. Nearly all glass, it antedated New York's celebrated Lever House by 25 years. Mr. Root's Chicago buildings include the Stevens (Conrad Hilton) Hotel and the Palmolive and Daily News buildings.

Other famous structures he designed are the Bismarck, N. D., state capitol and the Ramsey County Court House and City Hall of St. Paul, Minn. A graduate of Cornell University's school of architecture, Mr. Root studied at the Ecole des Beaux Arts in Paris for four years. There he formed a close personal friendship with John A. Holabird, also the son of a famous architect of his day. Holabird and Root eventually formed a firm which soon attained a reputation as the busiest and most advanced of the Chicago predepression skyscraper era. Since 1948, the firm has been known as Holabird & Root & Burgee.

Among the firm's more recent buildings is the First National Bank of Minneapolis. In addition to his busy practice Mr. Root has carried major responsibilities both in professional and civic affairs. He became a fellow of The American Institute of Architects in 1937 and served as the first chairman of the AIA's important public relations committee. He also served as member of the Chicago Plan Commission and chairman of its planning committee.

The AIA's Fine Arts Medal, which recognizes achievement in the fine arts relating to architecture, will go to Viktor Schreckengost, sculptor and ceramist of Cleveland. Francois Lorin of Chartres, who designed and executed the stained glass window given to the French cathedral by American architects through the AIA several years ago, will be awarded the Craftsmanship Medal.

Two new medals will be awarded this year—an Allied Professions Medal for Achievement in the design professions related to architecture to Frederic Severud of New York, a structural engineer, and an Industrial Arts Medal to Merle Armitage, graphic arts designer of Yucca Valley, Calif. A Citation to an Organization will go to the United States Steel Corporation in recognition of its sponsorship of the "Chicago Dynamic" program.

AIA Executive Director Edmund R. Purves will receive the Edward C. Kemper Award, given annually to an AIA member who has made significant contributions to the institute and the profession.

Other convention events include the induction of new fellows, the annual exhibition of outstanding American architecture, the president's reception, election of officers, business sessions and the display of new building products and equipment. The host chapter committee, under the chairmanship of Cleveland architect Joseph Ceruti, is arranging a varied program of tours, exhibitions of architecture and the allied arts, entertainment features and special events for architects' wives. Entertainment and education will be pleasantly combined on tours through General Electric's Nela Park and the Republic Steel Corporation on Monday, July 7.

During the days prior to the opening of the convention, there will be meetings of the AIA board of directors, the Association of Collegiate Schools of Architecture, the National Council of Architectural Registration Boards, the Producers Council, and National Architectural Accrediting Board and students of architecture.

RESERVE OCTOBER 2 and 3 to be in ST. PAUL for THE REGIONAL CONFERENCE!



Prairie du Chien Hospital Given Modern Hospital Honor



The nurses' station



A typical room

The Prairie du Chien Memorial Hospital in Prairie du Chien, Wis., has been honored by the national magazine, *Modern Hospital*, as its hospital of the month and the Thorshov & Cerny designed structure has been rated as giving "the most for the money with no major disappointments" in the magazine's story.

Total construction cost of the 43-bed hospital was \$381,582, including Groups I, II and III equipment. Design allows for later inclusion of 14 additional beds. The following description of the project is quoted from the *Modern Hospital* citation of the work, as written by Bruce D. Root, the hospital administrator.

"Everyone admires the good separation of diagnostic, treatment and service areas of the hospital. The strict separation of obstetrical and medical and surgical patients has been accomplished with minimum loss of flexibility in utilizing bed space. Good supervision over nursing areas, and particularly over pediatrics, is possible from one control point. The good separation of functions, however, demands good facilities for communication by members of the various departments. An omission that should be remedied is a doctors' in-and-out register to be operated by the doctors from the nursing station and visible at the switchboard.

"The patients and staff enjoy the foot-to-foot arrangement of the beds, which allows each patient a full enjoyment of the scenic beauty of the bluffs through the full windows, the opportunity for sociability without discomfort or the choice of privacy by adequate screening running on tracks transversely between the foot end of the beds. The built-in lockers conserve space of the modestly sized rooms.

"Most will agree that the best part of the design is the layout of the central supply and surgical suite with most sterile areas being grouped together. We believe the architect was canny to be able to include a recovery room, a modest physical therapy space and adequate laboratory space for the money. The lighting design of the hospital is excellent, including judicious use of skylights. Care should be taken not to overilluminate the labor room and nursery.

"We compliment the architect for reserving adequate office space but feel that any hospital deserves a good director of nursing service who in turn deserves an adequate office. The short hault of deliveries to dietary and general storage with adequate storage space is appreciated. Hospitals today need a space for a coffee and gift shop. This incidentally, has been solved by an ambitious woman's auxiliary which converted the roughed-in but not equipped laundry into an attractive coffee shop.

"It is believed that with higher utilization a second delivery room would be useful and not too expensive to add. It would have been desirable to have created a small treatment room in the area of the nursing station so that the emergency room need not be contaminated or torn up needlessly for minor outpuatient treatments. This has been solved by appropriating half the space of a semiprivate room near the nursing



The lobby and entrance office space is shown above; below is the plan.

station. More "on-the-lot" parking space could have been designated as doctor and staff parking near the emergency entrance. Fewer compromises in control of heating and ventilating distribution would have been more desirable. Finally, a necessary but painful economy has been elimination of exterior design and trim features."

An outline of construction costs showed:

Total construction cost	.\$381,582.00*
No. of beds 43	
(planned for 14 additional)	
Cost per bed	. 8,945.00
Total square feet 21,831	
Square feet per bed 532	
Cost per square foot	. 16.80
Total cubic feet	
Cubic feet per bed 7,062	
Cost per cubic foot	. 1.20
*Total project cost including Groups I	

*Total project cost including Groups 1, 11, and 111 equipment. (Site and site preparation, \$822,693.)

The magazine's staff reported further:

"From the beginning of the project, in its conferences with the architects, Thorsov & Cerny, Inc., of Minneapolis, the planning committee for a general hospital in Prairie du Chien, Wis., emphasized the need for strict economy. It is always difficult for a small hospital to provide adequate facilities for a complete

(Continued on Page 35)



MAY-JUNE, 1958



AND HOW PACAL MAKES IT SERVE YOU BETTER





NORTHWEST ARCHITECT

New 28-story Minneapolis First Bank building gets off to a good start with PACAL steel

Ready, up and away. And another load of PACAL structural steel is hoisted into position. Here, at the site of First National Bank's 28-story skyscraper in Minneapolis, you can already see the bank of the future taking shape. Soon its massive steel skeleton will tower 377 feet over the Minneapolis Loop.

It takes a lot of skills and materials to build a modern skyscraper. Especially, it takes a lot of steel. Thousands of tons of basic steel supplied by Paper, Calmenson and Company. Quality steel . . . accurately fabricated and delivered on schedule by PACAL steel specialists.

Yes, big job or small, if it calls for steel, call on the people at Paper, Calmenson and Company. The Northwest's largest warehouser and fabricator of steel. BUILDING: First National Bank of Minneapolis ARCHITECT-ENGINEERS: Holabird & Root & Burgee ASSOCIATE ARCHITECTS: Thorshov & Cerny, Inc. GENERAL CONTRACTOR: Naugle-Leck, Inc.



This sketch illustrates how the new Minneapolis First Bank will look on its completion in 1960.

For fast help from steel specialists . . . call MIdway 6-9456 PAPER, CALMENSON and company County Rd. B & Walnut St., by Highway 36, St. Paul 13, Minn. Branches in Duluth, Minn. and Billings, Mont.

MAY-JUNE, 1958



Design of Edsel Ford High School features distinctive, economical Concrete Shell Roofs

The first concrete shell roofs constructed in Michigan were used in the Edsel Ford High School in Dearborn. Four shell units were built: two over the boys' gym, one over the girls' gym, and a fourth over an intermediate building housing the swimming pool and locker rooms. All four roofs have spans of 100 ft. and identical arches of 121-ft. radius and a rise of 13 ft.

Concrete shell roof construction was selected because (1) it provided unobstructed interiors, (2) it was adaptable to the architectural design and (3) it was economical to build.

Concrete shell roof construction is gaining rapidly in popularity with architects and engineers for buildings requiring large unobstructed floor areas. Roofs with spans up to 300 ft. and more can be built without interior columns. They are ideal for auditoriums, exhibit halls, hangars, train sheds, repair shops and warehouses.

Concrete shell roofs are economical to build, need little or no maintenance, have long life and low insurance rates. They are true *low-annual-cost* construction. Write for free illustrated literature. Distributed only in the United States and Canada.

PORTLAND CEMENT ASSOCIATION 1490 Northwestern Bank Bldg., Minneapolis 2, Minn.

A national organization to improve and extend the uses of portland cement and concrete ... through scientific research and engineering field work



Large photo shows completed structure. Girls' gym is in foreground, boys' gym in rear. Depressed roof between gyms covers swimming pool and locker rooms. Small photo above shows clean, unobstructed interior in boys' gym. Photo below shows how shell roof design was repeated in roof over walk connecting gymnasium wing with auditorium. Architect, Eberle M. Smith Associates, Inc.; engineer, Alfred Zweig; contractor, O. W. Burke Construction Co. All are from Detroit.



NORTHWEST ARCHITECT

hospital but the architects feel that not only were all objectives reached but they were accomplished at a figure which is well below the national average. Although areas throughout the hospital are minimal, complete facilities for all phases of hospital care are offered. Provision has been made for general nursing, obstetrics, pediatrics, therapeutic treatments and full surgical procedures.

The operating suite is unusually complete for a small hospital since it includes a postoperative recovery room. The area generally is well planned for sterile procedures, *i.e.*, the doctors enter their dressing room from a general corridor, dress for surgery and emerge in the sterile field without coming in contact with anyone outside the area. Technical services, such as x-ray, physical therapy, pharmacy and emergency, are conveniently located adjacent to the surgical facilities. The central sterilizing unit is located in an excellent spot convenient to both the surgery and the nursing wings. The formula room, adjacent to the maternity wing, forms a part of this operation, thus eliminating the need for separate services.

"The nurses' station is strategically placed to control the entire nursing area and is planned so that it will continue to do so adequately when a future wing is added. Kitchen facilities are placed well away from the nursing wing to avoid disturbance and a floor pantry provides for final checking of trays before distribution. Maternity services are unusually complete with full facilities for obstetrical procedures. A subnurses' station controls the nursery, labor and utility areas from one central point and can be adequately handled by one person if necessary."

ADLER AND SULLIVAN'S CHICAGO AUDITORIUM TO BE RESTORED

Forty-three architectural experts from across the nation have agreed to serve as an advisory committee to Roosevelt University on its plans to restore Adler and Sullivan's Chicago Auditorium Building, which the university now owns and occupies.

Formation of the committee was authorized by the university's board of trustees in its decision to do all it could to effect the restoration of the famous architectural landmark. The committee members were announced in a brochure prepared by the university to describe the goals of the total restoration project.

Included on the committee are architects Walter Gropius, Mies van der Rohe, Eero Saarinen and Frank Lloyd Wright. Leon Chatelain, Jr., AIA president, and John R. Fugard, Jr., president of the Chicago AIA chapter, are both members, as is Earl H. Reed of Chicago, chairman of the AIA committee on preservation of historic buildings. Many other architects are also on the committee.

Nine of the nation's top museums are represented on the committee, all by their directors, and included is Richard S. Davis, director of the Minneapolis Institute of Arts.

Leading architectural schools heads are represented on the committee and include Ralph Rapson, head of the School of Architecture, University of Minnesota.

MINNEAPOLIS SCHOOL OF ART GETS NEW STUDIO SPACE

What is reportedly this area's first hyperbolic paraboloid roof will cover the new addition to the Minneapolis School of Art, now under construction after design by Magney, Tusler & Setter.

Four "square umbrellas" will form the roof of the main studio of the addition. The Minneapolis Society



of Fine Arts said the new \$158,900 addition to the school will increase classroom space 50 per cent. MTS's partner Stowell Leach is the architect in charge.

Construction crews already are at work pouring the concrete "umbrella" sections. Mr. Leach described them as lightweight, fireproof umbrellas of thin concrete, tapering to four slim columns in the interior. Outside, the thin concrete shells will serve as square, shallow funnels to trap and carry melting snow and rain down the hollow interior supporting columns.

A four-foot space beneath the edges of the umbrella roof of the main studio and the lower roof area of the rest of the addition will be utilized for skylights to provide generous natural lighting of the main studio.

Mr. Leach pointed out one of the benefits of an HP roof is economy of construction. School Director Wilhelmus Bryan said the ceiling will give a feeling of exaggerated spaciousness, a "dreamy" vaulting quality to inspire the imaginations of students. The new addition, west of the existing school, is to be 150 feet long and 82 feet wide and will feature the 64-foot square main studio. A graphic arts section will be to the north and an industrial arts department to the south of the main studio.

The new addition will be connected by a corridor to the existing school and a separate entrance also is planned to open into a proposed outdoor sculpture court between the two units. Walls of the new addition will be of a patterned white concrete block to give texture and shadow line to the building. Floor-to-ceiling glass panels will be interspersed around the entire building. Completion of the new units is expected in time for fall term students.

JONES GETS MINNEAPOLIS DISTINGUISHED SERVICE AWARD

An award for distinguished service "on behalf of betterment of community life in the City of Minneapolis" has been made to Robert T. Jones for his work at the University of Minnesota and on the Minneapolis planning commission. The award, signed by Mayor K. P. Peterson, was recently presented to Mr. Jones.

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Tests Conducted by Toledo University Research Foundation
ST. PAUL CHAPTER ELECTS GERALD BUETOW



Chapter, Club and other news...

At its recent annual meeting the St. Paul Chapter of AIA selected Gerald Buetow to be president for this year, succeeding Rober Howe. To serve with him members chose William Shannon of Ellerbe & Co., vice-president, Gordon Comb of Bettenburg, Townsend, Stolte & Comb, secretary, James Voigt of Voigt & Fourre, treasurer, Mr. Howe of Haarstick, Lundgren & Associates, director, Donald Haarstick, director representative on the board of the Minnesota Society of Architects, and Myron Kehne of Haarstick, Lundgren & Associates, state director alternate.

The meeting also heard detailed reports from the chairmen of the various committees which carry on the business of the chapter and Outgoing President Howe thanked those who served in helping him carry on the work of his year as head of the organization.



New St. Paul President Gerald Buetow is shown in the picture at the left above and in the other picture are (seated) President Brooks Cavin of the MSA and Mr. Buetow, (standing) George Townsend of Bettenburg, Townsend, Stole & Comb, and Exec. Director James Fenelon of MSA.

The group of pictures show (top-down, l-r), Secretary Comb, President Buetow and Vice-president Shannon. . . Ed Lundie, Ed Larson, Warren Mossman and an unidentified gentleman. . . Frank Smith, Norman Johnson, William Estebo and Art Haglund. . . Gordon Comb and Bill Shannon. . . Robert Howe and Allan Meinecke. . . Gene Sigvertson, Myron Kehne, Gene Flynn and Frank Clark. . . Dan Fourre, Everett Holes and Carl Buetow.

MINNEAPOLIS AUXILIARY ELECTS

The new officers for the Auxiliary of the Minneapolis Chapter of AIA have been elected and are Marilyn Wasmuth, president; Delphie Clark, vicepresident and program chairman; Jean Johnson, treasurer; Marilyn Hanson, recording secretary, and Margaret Flower, corresponding secretary.



The auxiliary is going to try a four-meetings-a-year policy this year in order to have more interesting programs at each meeting and to increase attendance, Mrs. Wasmuth reported. Members will receive a notice of the meetings in the fall. Minneapolis is host next Christmas to the joint Minneapolis-St. Paul Christmas Party. It will be held Friday evening, December 5, in the Golden Valley Country Club. Jan Skold is chairman of the party this year and will contact members of the Minneapolis chapter for help in the planning.

RUDOLPH WINS ARTS AND LETTERS PRIZE

Paul Rudolph, young American architect who has already achieved an international reputation, has been named to receive the \$1,000 Brunner Memorial Prize in Architecture of the National Institute of Arts and Letters for 1958. The Brunner Memorial Prize was established through a bequest from the widow of Arnold W. Brunner, a former treasurer of the institute, who was a well-known architect and town-planner of half a century ago. As rephrased by the committee of award this year, the Brunner Prize is conferred on a man who shows promise of widening the horizons of architecture as an art.

TWO BECOME WISCONSIN CHAPTER MEMBERS

Marie Langenberg and R. O. Novotny, Appleton, Wis., architectural employes of Maury L. Allen, have been elected associate and junior associate members of the northeastern division of the Wisconsin AIA Chapter.

INCINERATION PROBLEMS AIRED

A new bulletin entitled, "Incineration in Today's Economy" has been released by the Incinerator Institute of America. The bulletin outlines the use of incineration in domestic, commercial, institutional and industrial establishments, indicating its growing acceptance as a basic utility and its ability to reduce, and frequently prevent, air pollution. Copies of this Bulletin E can be obtained from the Incinerator Institute of America, 420 Lexington Avenue, New York 17, N. Y. John Magney of Magney, Tusler and Setter has been elected president of the Minneapolis chapter, AIA, to succeed Winston Close. Other officers chosen at the May meeting were Cecil Tammen as vice-president, A. L. Wegleitner as secretary and Eugene Hickey as treas-



In the picture at left are the new officers of the Minneapolis chapter (l-r) Director Marlin Hutchison, Treasurer Eugene Hickey, Vice President Cecil Tammen, President John Magney, Director to State Society Stowell Leach, Alternate Director Horace Matson and Secretary A. L. Wegleitner.

At right is shown the presentation of the scholarship checks (1-r) Paul Bailly, John Cotton, President Win Close, Bruce Erickson and Milton Leadholm.

urer. Stowell Leach was chosen as delegate to the board of directors of the Minnesota Society of Architects, with Horace Matson as alternate.

During the chapter meeting three students who won national awards through AIA were presented with their honors. Paul Bailly was given a \$1,000 Langley Award for study at MIT for a year, John Cotton received a \$1,200 Rehmann Scholarship for study at MIT for a year and Bruce Erickson received a \$1,200 Langley Award for Study at the University of California for a year.

Mr. Bailly also was presented with the AIA Medal and a copy of "Mont St. Michel and Chartres" for high scholarship and Mr. Erickson won the Alpha Rho Chi Medal for leadership, service and promise of professional merit. James E. Sorenson received a copy of the cathedral book as runner-up to Mr. Bailly.

MINNESOTA STUDENT IN TEXAS WINS INDIANA PRIZE

A student whose home is in Cloquet, Minn., but who will graduate this year from the University of Texas, Harry E. Patterson, Jr., has won the top \$1,000 prize in the contest sponsored by the Indiana Limestone Institute. Mr. Patterson's design was for an ultra-modern medical clinic. He will use this and some other prize money to tour Europe this summer with his wife, studying architectural landmarks in France, Germany, Italy, Spain and Finland.



The numbered montage above shows more scenes from the Minneapolis meeting—1—Retiring President Win Close and Incoming President John Magney... 2—Ken Backstrom of Shifflet, Backstrom, Hutchison & Dickey, and Frank Kerr of Kerr-Johnson... 3— Pete Williams and George Entrikin, both of Lang & Raugland.... 4—R. V. McCann of R. V. McCann Co., and John Magney of Magney, Tusler & Setter. ... 5—Cy Kerschner, John K. Daniels and Bill King of Lang & Raugland.... 6—William Scott of Magney, Tusler & Setter, John Torseth of Armstrong, Schlichting, and Horace Matson.... 7—S. D. Leach

and W. H. Tusler of Magney, Tusler & Setter and V. C. Gilbertson of Hills, Gilbertson & Hayes. . . . 8— Shell Bernstein of St. Paul schools, Newton Griffith of Thorshov & Cerny and Doug Wasmuth of R. V. Mc-Cann Co....9—Bob Hanson of Patch & Erickson, Ken Whitehead of Thorshov & Cerny and James Fenelon, executive director, Minnesota Society of Architects. . . 10—William Scott and James Wilwerding, both of Magney, Tusler & Setter and Harold Andrews of Ray Gauger & Co. . . . 11—John Magney, Joel Slotter of Liebenberg & Kaplan and Earl Fullingim.



FIRST NATIONAL AUTO BANK SAINT PAUL, MINNESOTA

ARCHITECTS: BETTENBURG, TOWNSEND, STOLTE AND COMB GENERAL CONTRACTOR: STEENBURG CONSTRUCTION COMPANY



SIXTY-FI

Flour City Balanced Doors of aluminum and tempered glass are a prominent feature of this sparkling aluminum entrance also by Flour City

1958



NORTHWEST ARCHITECT

THE FLOUR CITY ORNAMENTAL IRON COMPANY

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SCHUCHARDT DIES

Death of William H. Schuchardt at the age of 83 in Los Angeles recently recalled his earlier work in Milwaukee and elsewhere in the Northwest. He was well known as a city planner and was a pioneer in laws governing zoning, street planning, lake front developments and more space for parks and playgrounds.

A graduate of the University of Wisconsin and Cornell, he studied under Cass Gilbert and others of that period.

BREUER AND ST. JOHN'S ARE SUBJECT OF NEW BOOK

The 100-year rebuilding of St. John's Abbey in Collegeville, Minn., on plans developed by Marcel Breuer in conjunction with the abbey's planning group has been made the subject of a new book, "Adventure in Architecture," by Whitney S. Stoddard. The first step along the century-road was illustrated in our presentation of the centennial architectural exhibit in the last issue of NORTHWEST ARCHITECT, the completed monastery wing being shown.

As each unit of the new kind of architecture in the layout is completed, older sections will be taken down and thus the new plan will gradually supersede the old until the project is completed next century.

ROCHESTER HOLDS PANEL TALK ON CENTENNIAL EXHIBIT

In connection with the showing the centennial exhibit, "A Century of Minnesota Architecture," in Rochester, Minn., local architects conducted a panel discussion on the state's architectural progress. The exhibit is the one which was presented as NORTHWEST ARCHITECT'S monograph in the last issue.

On the panel were Harold Crawford, Jack Brengman, Daniel Robbins and Joseph Weichselbaum. William Saltzman, Rochester Art Center director, was moderator. The architectural history was considered in terms of the material and tools which were available at the times of construction of the various buildings shown.

EISENTRAUT, CORN PALACE DESIGNER, DIES

The dean of South Dakota architects, J. P. Eisentraut, died early in May at his home in Hill City, S. D., at the age of 88. Mr. Eisentraut perhaps was best known for his design of the Corn Palace in Mitchell although he had a wide practice which encompassed buildings in 15 states.

Born in Iron City, Iowa, on April 12, 1870, Mr. Eisentraut moved to South Dakota in 1909. In that state he designed buildings in Custer, Deadwood, Rapid City, Belle Fourche, Hot Springs, Hill City and Mitchell. Buildings included the Corn Palace, Blue Bell Lodge, Evans Plunge, Fall River County Court House, Catholic Cathedral in Rapid City and many others.

The states in which he has public buildings range from Minnesota to Texas and Arizona.

SPECIFICATIONS INSTITUTE RECEIVES ITS CHARTER

The Minnesota chapter of the Construction Specifications Institute, whose organization was reported at length in our last issue, has now received its charter from the national organization. Jack Stein, vice-president of the National CSI, presented the charter at the Minnesota chapter's April 25 meeting.

At the May meeting of the group in St. Paul, members heard a panel discuss building inspection and construction control. Questions were answered during the session. Panel members were Jim Clubb, Minneapolis building inspector, Howard Thomas, from the state fire marshal's office, and Mr. Freitag, Fire Underwriters' Inspection Bureau.

During the April meeting R. J. Hendershott of the Minnesota Associated General Contractors gave a résumé of the formation and growth of the Joint AIA-AGC Committee.

CENTRAL REGION COLLEGIANS MEET IN AMES

The Central Region of the Association of Collegiate Schools of Architecture met in Ames, Iowa, recently, with campus tours, exhibits of designs and business sessions on the agenda. Members of the region include the Universities of Minnesota, Manitoba, Illinois, Nebraska and Colorado, North Dakota State College, Iowa State, Illinois Institute of Technology, Washington University, Kansas University and Kansas State College.

The collegians met with the members of the Iowa Chapter, AIA, for a luncheon session and heard a panel of architects discuss the architect-in-training program. Also on the program were workshops on the humanities, business aspects of practice, related sciences, technology and integration of required college courses.

At the student banquet Walter A. Netsch, Jr., of Skidmore, Owings and Merrill told the story of the Air Force Academy.

WISCONSIN FOUNDATION ELECTS

At the last meeting of the Wisconsin Architects' Foundation in Milwaukee Francis J. Rose of Milwaukee was elected president. Karel Yasko of Wausau vice-president and Wallace Lee of Milwaukee secretary-treasururer. The foundation provides scholarships to Wisconsin students in out-of-state universities, makes awards for architectural achievement and is providing the funds for a study of "Improving the Environment of People."

Funds for these scholarships and studies come from donations from members of the architectural profession and from allied business firms. A new project started at the meeting was to gather funds for a study of union apprenticeship awards and community awards for planning and urban renewal.

FEHLBERG JOINS BILLINGS FIRM

Robert E. Fehlberg, who has practiced in Kalispell, Mont., since 1951, has joined the Billings firm of Cushing, Terrel and Associates. He is a graduate of Montana State College.



AIA-PC JOINT COMMITTEE HOLDS FIFTIETH MEETING

The American Institute of Architects-Producers' Council Joint Committee met for the fiftieth time on May 23 in New York City. The first meeting had been held on May 25, 1944. Over the years this committee has worked effectively on problems resulting from the manufacturer-architect relationship. Members have studied and made recommendations on improving manufacturers' product literature and advertising directed to architects, maintenance and guaranty bonds, retained percentages, product information presentations and technical seminars.

This is the oldest of several joint committees maintained by both organizations. Serving as present cochairmen are Marcellus Wright, Jr., FAIA, Richmond, Va., and William Gillett, Fenestra, Inc., Detroit, Mich.

In the picture here are, seated left to right, John E. Haines, Minneapolis-Honeywell Regulator Co., Minneapolis; Elmer Lundberg, AIA, Pittsburgh Plate Glass Co., Pittsburgh, Pa.; Samuel A. Lichtmann, AIA, Chicago, Ill.; Tom A. Windrom, AIA, Memphis, Tenn.; William Corlett, AIA, San Francisco, Calif.; John L. Haynes, managing director, Producers' Council, Inc.; H. Dorn Stewart, Allied Chemical Corp., New York, Co-Chairman Wright; Ted Coe, FAIA, Washington, D. C.; James J. Souder, AIA, New York; Charles J. Nocar, E. F. Hauserman Co., Cleveland, Ohio; D. Kenneth Sargent, FAIA, Syracuse, N. Y.; Harry C. Plummer, Structural Clay Products Institute, Washington, D. C., and Elmer S. Tuthill, AIA, Summit, N. J.

WORK STARTS ON NEW ST. PAUL MIDWAY CENTER

Work has been started this spring on construction of the new \$6,000,000 Midway Center in St. Paul, adjacent to the Montgomery, Ward & Co. building. Ellerbe & Co., St. Paul, are the architects for the project.

The center will lease space to various retail stores and services. Its parking area will accommodate 1,700 automobiles and future expansion is provided for by an already planned underground ramp. Central decorative unit of the center will be a 30- by 120-foot pool, with fish in summer and ice skating in winter.

MINNEAPOLITAN SHOWS DESIGN IN NEW YORK SHOW

A design produced by Richard B. Morrill of Minneapolis, was included in the recent exhibition of architectural work at the New York Chapter, AIA.

McCLURE BECOMES DEAN OF ARCHITECTURE AT CLEMSON

Harlan E. McClure, formerly of the staff of the School of Architecture at the University of Minnesota, has been made dean of the College of Architecture and Allied Arts at Clemson College, Clemson, S. C. When Mr. McClure was in Minnesota he was active in a number of architectural projects.

ST. PAUL CITY ARCHITECT ELECTED BUILDING OFFICIALS OFFICER

Alfred H. Schroeder, St. Paul city architect, has been re-elected as a director of the Building Officials Conference of America. His election came during the recent annual convention of the conference in Atlantic City.

GREAT FALLS FIRM REORGANIZES

Bordleau-Amundson & Hauck is the name of the Great Falls, Mont., architectural firm formerly known as Bordleau-Pannell & Amundson. Phillip H. Hauck, formerly of Butte, replaced Mr. Pannell, who has withdrawn from the practice of architecture. Mr. Hauck was an employe of the original firm in 1954-55 and later was associated with Norman J. Hamill & Associates in Butte.

JAPANESE INFLUENCE CONSIDERED

Modern American adaptation of Japanese architecture was the subject of a talk by Charles M. Brooks, Jr., who holds the M. G. Plantz chair of art and architecture at Lawrence College, before an open meeting of the International Club in Appleton, Wis., recently.

AGAIN . . .

Plan to attend the Regional

Conference in St. Paul on October

2-3.



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AIA-AGC REVISED RECOMMENDATIONS DISTRIBUTED

Three replacement pages for page 10 of the Minnesota AIA-AGC Joint Co-operative Committee "Recommendations" blue booklet are being sent to all holders of the booklet for insertion, according to R. J. Hendershott, secretary. The new section includes pages 10, 10A, and 10B.

The information on Time of Completion and Liquidated Damages was developed by a special subcommittee named to study the problem. Item 2. Completion Time has been expanded to include eight points consisting of the committee report and a liquidated damages clause to be adapted to meet the requirements of the individual project. The new section is as follows:

".2 Completion Time

".1 Time of Completion and Liquidated Damages (May 9, 1958)

MAY 9, 1958 2.2.1

"1. The committee recognizes that liquidated damages provisions may increase the cost of construction, and recommends therefore that they be used only for good and sufficient reason, where "time is of the essence" of the contract.

"2. Legal advice indicates that premium and penalty provisions are not a requirement in such cases, provided that the specified amount of damages bears a reasonable relation to the actual damage which may occur.

"3. It is recommended that the amount of the damages be established for each individual case, in order to maintain the "reasonable relationship" mentioned above. It is further suggested that the "time of completion" be that established for an entire project.

"4. The "time of completion" shall be one of the three options stated in number 8 below and specified in the specifications.

"5. The "time of completion" shall be defined as "substantial completion." On March 23, 1956 (2.14) the Joint Committee defined substantial completion as stated in number 6 below:

"6. The term "substantial completion" shall be taken to mean that "The work" shall be complete to the degree that all such space can be occupied and used by the owner for the purpose intended. Corrective work and the replacement of defective equipment or materials, and the adjustment of control apparatus shall not delay the determination by the architect that the contract is "substantially complete."

"7. That these recommendations are applicable to all prime contractors.

"8. If the architect finds it necessary to use a liquidated damages clause, the following clause is generally acceptable, if adapted to meet the requirements of the individual project.

Time of Completion and Liquidated Damages

MAY-JUNE, 1958

proposal), (specified by the architect), or (as otherwise agreed).

"The contractor agrees, as a part consideration for the awarding of this contract, that, if he shall neglect, fail or refuse to complete the work within the time specified, he shall pay to the owner the sum of dollars, not as a penalty, but as liquidated damages for each and every calendar day that the contractor shall be in default after the time specified for the completion of the work. Liquidated damages are specified herein because of the extreme difficulty of ascertaining and establishing the actual damages which the owner would sustain. The contractor shall not charged with delays occasioned by any of the following =

"(a) Any preferences, priority, allocation order other regulation issued by any governmental body.

"(b) Acts of God or of a public enemy, including **bun** not limited to fires, floods, epidemics, quarantine strictions and weather conditions.

"(c) Acts of the owner, his architect or engineer sacts of any separate contractor performing under contract with the owner.

"(d) Changes in work.

"(e) Any other cause beyond the control and not occasioned by the fault or negligence of the contractor including, but not limited to strikes, lockouts, labor disputes, transportation delays and material shortages

"In the event of any delays occasioned by any suc cause or causes, the contractor shall notify the architec within 10 calendar days after the contractor has notic of the cause of such delay. Such notification shall be in writing and shall specify the cause or causes of the delay. The architect shall ascertain the facts and notif the contractor and owner in writing within 30 days the amount of additional time to be allowed for the completion of the contract work. If the contract and the owner disagree as to the amount of addition an II time to be allowed for the completion of the work the result of any such delay, the matter may be sulmitted to arbitration in accordance with the provision of the general conditions of the contract for the comstruction of buildings (AIA Form A2). Where addition al time is allowed for the completion of any workliquidated damages shall not be allowed except for de lays beyond the new time limit established by suc extension."

SUN BATHERS' BEACH GETS "PROPS"

An 800-foot length of sand discharge hose has been laid across the bottom of Lake Worth Inlet at Palmer Beach, Fla., to keep a sun bathers' beach in place The Goodyear Tire & Rubber Co., maker of the 10 — inch wire reinforced hose, reports it is being used that is disappearing rapidly with outgoing tides.

A suction pump equipped with a suction hose, installed north of the jetty, is being used to pick up saturated sand and drive it through the discharge hose along the ocean floor, releasing the sand and water mixture in front of the depleted beaches. Incoming tides then carry the sand to shore and deposite it. Engineers designed the sand transfer system to move 200,000 cubic yards of sand annually to the eroding beach area.



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Schedule was another important ractor on this particular project Upon checking our records we find that your final shipment was delivered to us almost top days prior to the time set forth in Upon checking our records we find that your final snipment was delivered to us almost ten days prior to the time set forth in our purchase order. Your performance permitted us to carry on a rather respectable operation during the winter months and, for your inform purchase order. Your performance permitted us to carry on a rather respectable operation during the winter months and, for your informarespectable operation during the winter months and, for your inform tion, at this writing, the exterior masonry walls are within a few days of completion. Needless to say, the masonry work could not proceed until the steel erection was substantially completed.

inform you that the material furnished by you came to us fabricate in a manner that made it possible for our erection contractor to proceed with an absolute minimum of field fitting and correction. The manner in which you complied with our unusually rapid delivery Rehedule was another important factor on this particular project. ine manner in which you complied with our unusually rapid delivery schedule was another important factor on this particular project.

Several weeks ago we completed the erection of the structural Several weeks ago we completed the erection of the structural steel on the above referenced project. We are, indeed, happy to inform you that the material furnished by you came to us fabricated in a manner that made it possible for our erection contractor to

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Crown Iron Works Company 1229 Tyler Street N. E. Minneapolis 13, Minnesota Attention: Mr. Kermit 0. Johnson

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ARCHITECT: Cushing, Terrell & Associates, Billings, Montana



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CONTRACTOR: Haggerty-Messmer Co., Bozeman, Montana





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Office Work Flow and Expansion Basis of

Lincoln Building Design



Nearing completion in Lincoln, Neb., is one of the nation's most modern insurance company building, the Bankers Life of Nebraska home office designed by Unthank & Unthank, AIA, of Lincoln. The structure is designed both to accommodate the present interdepartmental flow of work and for expansion so as to handle the firm's business efficiently ten years from now when it is expected to be twice its present volume. The site covers 17 acres.

For an insurance company, a horizontal building is much more efficient than a vertical one when space permits. Bankers Life is a modified T-shaped structure, two stories high, with a ground floor above grade at the rear and an executive penthouse suite. The building is 363 feet long and 72 feet wide. The T-section is 258 feet, including the front marquee. Total area is 110,000 square feet. The structure was designed for a uniform live load of 125 pounds per square foot to allow placing heavy files and equipment on any floor area.

Exterior walls are light gray Kitanning brick and blue-green Mosai spandrel facing. Tinted, heat-absorbing glass set in aluminum sash makes up about 80 per cent of each bay area. The windows will be draped with a woven wood fabric which is being made to order in Germany. Pilasters around the periphery of the building conceal the steel columns.

Most partitions are movable and are based on a fourfoot nodule, as are the lighting fixtures and the acoustical ceilings. Private offices have an interesting provision to keep sound from carrying over partitions above the ceiling line. It consists of a hanging baffle of metal lath, about $3\frac{1}{2}$ feet high, fastened to the supporting steel around the perimeter of the room and sprayed on both sides with vermaculite acoustic one-half inch thick. The remote control lighting system is designed to provide varying light intensities up to 75 foot-candles (maintained) for every working surface. The multiple-

The architect's drawing of the new insurance building.

tube fixtures are four and eight feet in length and are recessed in the suspended acoustic metal ceilings. The electric floor system is set up on a six-inch increment so the cells alternate from electric to telephone to intercom.

Floors in lobbies, toilet rooms and stairways are terrazzo and in work areas plastic asbestos or homogenous vinyl tile. The color scheme on each floor varies with the accent color on partition doors. Permanent doors are ribbed aluminum in aluminum frames. Bankers Life made an extensive investigation of efficient maintenance and selected easily-maintained materials throughout. For this reason also all corners are rounded in service areas, toilet rooms and stairways.

The cross wing at the center forms the main entrance.



This picture shows the completed direct-to-steel fireproofing. The channels will support conduit, ducts and an acoustic ceiling.

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MAIN ENTRANCE

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Architects: Fasth, Hillstrom & Horty, Inc.



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Gracing the east wall of this lobby is a mural created by Millard Sheets, a California artist. It is of a native stone called walnut travertine, which is incised to receive figures of handmade ceramic and glass tile. The first floor is occupied by the policyholders service department to make it easily accessible to walk-in traffic and the accounting department. The ground floor houses the employes' lounge, cafeteria, main kitchen. and an auditorium with an aluminum-clad folding wall that can cut off about one third of the area to use for meetings, conferences and employe training classes. The sales or agency department, underwriting and issue, financial, legal, and actuarial departments occupy the second floor. The third floor penthouse suite consists of three executive and two smaller offices, a board room, a large lounge and an outside terrace. There are also two dining rooms and a serving kitchen with residential-type equipment to which food is brought from the main kitchen on an electric food cart.

Designing vault facilities for future expansion inside a building without changing the vault structure itself poses a problem, particularly when, as in this case, it is coupled with providing a large coupon room which will be developed at some future date. Both needs were met by extending an unlined vault of concrete, 27 inches thick, underground from the cross wing.

The one-service wing extending from the rear of the building contains the supervisory data center, receiving room, boiler room and garage. The supervisory data center with its custom-built electronic service control board is the heart of the mechanical system. This board registers temperatures and humidities at any point in the building, so that one man in one location can know exacty what is happening at any moment. Interior and exterior flood lighting, air handling units, motors, blowers, fresh air intakes, refrigeration equipment and even the underground sprinkler system for the landscaped grounds are all operated from this board. In the IBM room there are supplemental package air conditioners and auxiliary humidifiers to assure correct humidity so the cards go through the machines properly.

The building's frame is welded steel with cellular steel floor units having a flat underside and topped with 21/2 inches of concrete. Since destruction of records would be especially catastrophic for an insurance company, the building has a four-hour fire rating even though it is not in a No. 1 zone. The underside of the floors is fireproofed with vermiculite acoustical plastic, one inch thick, sprayed by machine directly to the steel. This new and economical method made available maximal vertical space for the duct work and cross-overs of the high velocity air-conditioned system and eliminated the need for fire dampers. The underside of the corrugated galvanized steel of the roof is also fireproofed with vermiculite acoustic, sprayed one-half-inch thick below the bottom of the corrugations. Columns and beams are fireproofed with lightweight plaster on metal lath.

This will be the fourth time Bankers Life has moved to larger quarters. It was founded in Lincoln in 1887 in a single room with a staff of three. Now the fifth oldest life insurance company west of the Mississippi River, it operates coast to coast, employs some 200 Specifications: Regional Conference St. Paul, Minnesota October 2-3, 1958 Be There!

persons in its home offices and is represented by 50 agency offices with 700 salesmen. As of January 1, 1958, it had assets of \$110,990,000 and insurance in force totaling \$537,941,000. By 1968 it is expected to be a billion-dollar company. The new building was planned for expansion to handle a volume of this magnitude.

During the planning stage, George Unthank and his partner-brother, John, made inspection trips to insurance company buildings throughout the nation, making note of desirable and undesirable features. The new building is a synthesis of those trips plus a careful study of the company's operations and aims. It is also a building that fits the general architectural tenor and the plains concept of Nebraska.

McKENZIE NAMED PRESIDENT OF CURTAIN WALL DIVISION

Ralph L. McKenzie, designer and advertising manager for Flour City Ornamental Iron Company, Minneapolis, has been elected president of the metal curtain wall division of the National Association of Archi-



Mr. McKenzie

tectural Metal Manufacturers. He succeeded Fred O. Rippel, who continued as a division director. His election took place during the recent convention of the group in Houston.

Mr. McKenzie earlier this year was named as chairman of the publications committee of the Producers' Council, which handles that group's "Technical Bulletin." Named metal curtain wall vice-president to assist Mr. McKenzie in the division's work was J. M. Roehm, director of research and development for the Kawneer Co., Niles, Mich.

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WETZLER ELECTED PRESIDENT OF PRODUCERS' COUNCIL CHAPTER

Members of the Minnesota-Dakota Chapter of the Producers' Council elected Charles L. Wetzler of the Structural Clay Products Institute, Minneapolis, as president for 1958-59 at their recent annual election. Mr. Wetzler succeeded John Hustad, Jr., of the Hustad Company, as head of the group.



Mr. Wetzler

Howard Page of Cooper, Page Company, was selected as vice-president, John Barr of American Radiator and Standard Sanitary Corporation as secretary and William E. Price of Kawneer Company as treasurer. All are Minneapolitans. Messrs. Page and Barr were last year's secretary and treasurer.

Mr. Wetzler holds his engineering degree from the University of Minnesota and has been a field engineer for SCPI for five years. A veteran of World War II and the Korean conflict, he is married and lives in Minneapolis.

HOSPITAL AIR CONDITIONING AT ALL TIME HIGH

Air conditioning of hospitals is at its highest level in history and some two-thirds of the hospitals in the nation either have air conditioning in some form or are planning to install it, according to a recent survey by *Modern Hospital* magazine.

Three major reasons for the increase were cited by C. V. Fenn, Carrier Corporation vice-president-air conditioning can shorten recovery periods in some cases, more patients are requesting air conditioned rooms and, encouraged by these facts, medical centers are speeding up long-range air conditioning programs. This year hospitals will be the fourth largest category of "big" air conditioning installations behind new and existing office buildings and industrial plants, Mr. Fenn said. Today, virtually all new hospital space is air conditioned at the time of construction or designed to include it later. In the case of older hospitals, sections are air conditioned on a priority basis. Operating theaters and delivery rooms are the most important. Patient areas and laboratories vie for attention next. Public areas and administrative offices in this order are usually the last to be finished.



Shown here are (top) President Wetzler (left) being congratulated by President Hustad and (bottom) Treasurer Price, Vice President Page and Secretary Barr.

SCHOLARSHIP LISTED IN NEW INTERNATIONAL DIRECTORY

Publication of a new Directory of International Scholarships in the Arts has been announced by the Institute of International Education. The new guide, the first of its kind, catalogs awards for study abroad offered by government and private organizations throughout the world in architecture, design, painting and sculpture and other arts.

IIE President Kenneth Holland said the directory points up the relative paucity of awards in the arts in comparison to those in other fields. It is hoped that it will stimulate further efforts toward expanding exchange in an area that has proved especially conducive to international understanding.

IIE is the largest private exchange-of-persons agency in the United States, administering educational exchange programs between this and 80 other countries. The institute nominates candidates for the Fulbright awards, under which some 175 young American artists are now studying abroad.

Copies of the directory are available without charge from the Institute of International Education, 1 East 67th Street, New York 21, N. Y.

The Regional Conference and Minnesota Society convention are an important double-header!



CURTAIN WALL CONCEPTS GET SEMINAR GOING OVER

The "Curtain Wall Concepts" seminar held in St. Paul early in May under sponsorship of the Minnesota-Dakota Chapter of the Producers' Council attracted many architects to hear experts discuss this growing technique in the construction industry. In addition to talks by leaders in the field there were question periods when these same men answered some of the posers from the audience.

An exhibit of materials used in curtain wall construction was held in connection with the seminar. The papers presented during the sessions are to be published later as a manual and each person who attended will get a copy of it. This seminar was the first of several the PC plans, others being on plastics, acoustics, modular measure, etc.

In the pictures on this page of those who attended are (left to right), at top, Donald Chapman, St. Paul engineer, Brooks Cavin, president, Minnesota Society of Architects, and Len W. Anderson, AIA, of St. Paul. ... second picture, Sixten Benson, U. S. Plywood, Clair Loretz, NORTHWEST ARCHITECT managing editor, Jack Hustad, president, PC chapter, and Jack Olson, Armstrong Cork. ... Brooks Cavin, Rollin Child, Ceramic Tile Panels, and Burt Flick, AIA. ... H. E. Casey, Owens Corning Fiberglas, Jack Bissell, Inland Steel Products, Jack Hustad and George Gohlke, Valley Metal Products.



GENERAL OFFICE, LE SUEUR, MINN.

nc.

The page montage contains pictures showing-1-Don Fowler, Ceramic Tile Panels, Inc., Canton, Ohio, Rollin Child, U. S. Ceramic Tile Co., Denton White and John Wallner, Drake Marble. . . . 2-Guy Tollerud, Minn. state department of education, Erland Ekberg and Burton Petri, both AIA. . . . 3—James Coulter, Granco Steel Products, J. B. Klug, Fargo (N. D.) Foundry Co., R. A. Chapman, Minn. Mining & Mfg., Chicago, and John Paul, Casewin Co. . . . 4—Tom van Housen and Harry Schroeder, both AIA, and Lawrence



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NORTHWEST ARCHITECT

J. Hruzo, engineer, all of St. Paul. . . .5—Herb Schrantz, Granco Steel, C. A. Pratt, Western Mineral Products, David Gesler, Perlite Institute, New York, and Allan Loux, Minnesota Perlite. . . .

6—Don Evans, Armco Steel, Middleton, Ohio, and Ted Hurt. . . . 7—W. B. Willy, Brin Glass Co., White Bear, Minn., Ed Hanson, AIA, and V. T. Brunsell, Crown Iron Works. . . . 8—Bob Paul and Tom Kirwan, both Chicago, and Bill Price, Minneapolis, all with the Kawneer Co. . . . 9—Fred Traynor, AIA, St. Cloud, and Otto Wenzler, Libbey, Owens Ford Glass. . . . 10—Chuck Wetzler, Structural Clay Products Institute, T. R. Hunt, Portland Cement Association, and Willard Dickenson, SCPI, Washington, D. C. . . . 11— R. D. McLeod, MacArthur Co., Jim Horn, AIA, and C. L. Bell, Fenestra, Inc. . . . 12—John Kalkbrenner, AIA, Phil Jensen, Fargo (N. D.) Glass & Paint Co., C. I. James, Mosaic Tile. . . . 13—Vern Larson, Kimble Glass, Glenn C. Vantine, Sam Farnum and Gaylord Williams, all of Vantine Paint & Glass, Bismarck, N. D. . . . 14—R. T. Wist, Truscon Steel, W. L. Uglem and Ed S. Struble. . . .

The last, smaller montage shows—15—Charles Walberg, AIA, Al Johnson and Carl Stone, Asbestos Products. . . . 16—Bill Theis, Brin Glass, Jerry Hirtz, Crown Iron Works, George Entrikin, and Bob Hanson, both AIA. . . . 17—Burt Flick, AIA, Clint Fladland, Zonolite Co., Lee Dahlen, AIA, and Edward H. Witt, AIA, Austin, Minn. . . . 18—Chris Christofferson, Duff Longtin, Paul Decker and Jim Shields, all Celotex Corp.



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ARCHITECTS' OPEN HOUSE IS FARNHAM SPECIAL EVENT

An architects' open house was held by Farnham's, Minneapolis office equipment and school furnishing company, recently at which many Twin Cities and area designers were shown latest ideas in layout and equipment for offices, schools, etc. Our pictures show some of those who took advantage of this opportunity to learn more of new things, in each case identification being from left to right.

In the two pictures here (top) are Frank Meisch of Thorshov & Cerny, Fred Grube, manager of Farnham's school contract department, and George McPheeters, manager, Farnham's custom engineering division, and (bottom) Dorothy Johnston of Farnham's design de-



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partment, Beverly Wachsmith, head of the design department, and Knute Griffith, Thorshov & Cerny.

The full page montage opposite shows—1—Bruce Abrahamson, Hammel & Green, Dick Zedlik, Thorshov & Cerny, High Peacock, Hammel & Green, Almer New-



strum, manager, Farnham's furniture contract department, and Shelden Anonsen, Thorshov & Cerny. . . . 2—W. G. Fabrega, Olie B. Tichick, Tom Fuller, state architect's office, Richard Larson, Farnham's, and Carl Vorlander, state architect's office. . . . 3—Fred Grube, Farnham's High Peacock, Hammel & Green, Frank Meisch and Lyle Enstrom, Thorshov & Cerny, and Howard Johnson, Bissel & Blair. . . . 4—Norman Sessing and Robert Nelson, both AIA, Ron Osterberg and Richard McLean, both state architect's office, and Beverly Wachsmith, Farnham's. . . . 5—Lyle Landstrom, Thorshov & Cerny, Dorothy Johnston, Farnham's, Sheldon Anonsen, Thorshov & Cerny, and Clark Briggs, manage, Farnham's office furniture department. . . .

6-Chuck Wahlberg, Bergsted & Hirsch, Hadley Miller, Farnham's, John Torseth, Armstrong & Schlichting, and George McPheeters, Farnham's. . . . 7-Art Dickey and Marlin Hutchinson, both of Shifflet, Backstrom, Hutchison & Dickey, and Jim Reeger, Farnham's. . . . 8-Clark Briggs, Farnham's, Ken Buetow, St. Paul schools, and Tom Tipper and Gordon Matson, both Magney, Tusler & Setter. . . . 9-Roy Utne, Farnham's Reynold Roberts and Duane Grande, both Hammel & Green. . . 10-Orlen Fjelsted, Rodney Erickson and Wally Johnson, all Thorshov & Cerny, and Jack Lovelace, Bergsted & Hirsch. . . . 11-Roy Utne, Farnham's, Newt Griffith, Thorshov & Cerny, Chuck Whalberg, Bergstedt & Hirsch, and Don Pates, Thorshov & Cerny. . . . 12-Duane Grande, Hammel & Green, Warren Thomas, Farnham's, and Gene Peterson, Patch & Erickson. . . . 13-Gilbert Silverman, Hammel & Green, Henri Humphries, Farnham's, M. W. Hanson, Shifflet, Backstrom, Hutchison & Dickey, and John Morse, Magney, Tusler & Setter.



MAY-JUNE, 1958

MINNESOTA FENCE PRESENTS PRODUCTS AT OPEN HOUSE

Iron products of the Minnesota Fence and Iron Works, St. Paul fabricators of architectural products since 1869, were presented to more than 200 architects, engineers and others in the building industry during a recent open house and dinner at the company's plant.

Our photographer was present annd pictured some of those who were there. In our pictures they are identified left to right unless otherwise noted and include (in the five pictures here), at top, Rogers George, AIA, of Grover Dimond, Gene Lentsch, Minnesota



Fence, president and Stan Tusler, AIA, of Magney, Tusler & Setter . . . second picture, Jack Loveless of Bergstedt & Hirsch, Frank A. Abrahamson, Ed Barber of Lake City, all AIA, and Bill Lee of Minnesota Fence . . . center, Jom McFeetors, AIA, Mike Mitzuk and Harold Klein of Minnesota Fence and Roy Fixsen, AIA . . . Tom LaNasa of Minnesota Fence, Chuck Wahlberg, AIA, of Bergstedt & Hirsch, Gene Flynn, AIA, and Ben Storey, AIA, both of the St. Paul city architect's office . . . bottom, Bob Marquardt and John Rickey, AIA, Gene Lentsch, Minnesota Fence, and Amby Manion, AIA.

In the large montage opposite are shown—1—Dick Schnarr, engineer, Jim Voight, AIA, of Voight & Fourre, Ken Buetow, AIA, City of St. Paul, and Bern Byer of Minnesota Fence. . . . 2—Ken Fullerton and M. Jemne, both AIA, C. J. Erickson of the State of Minnesota, Harold Klein of Minnesota Fence and Gerald Buetow, AIA. . . . 3—Paul Haugen, AIA, of Minnesota Mining & Manufacturing, Diane Inhofer, Janet Severin and Marilyn Plaschko, all of Minnesota Fence. . . . 4—Bert Toensing of Minnesota Fence, Shel Bernstein, AIA, Uldis Treibergs, AIA, and C. J. Wallace of B. J. Knowles. . . . 5—Mearl Peterson and F. H. Mosse, both AIA. . . . 6—C. S. Song, of Jos. Vedeskuty & Assoc., Tom Jordex and Duff Longtin, Celotex Corp. . . .

⁷—Dick Sappa of Minnesota Fence and Don Zahn, Al Nelson and Carl Vorlander, all AIA, State of Minnesota. . . 8—Lloyd Ricka, state architect's office, Lyle Sauers of Hal Fridlund Co., and John Duer. . . . 9— Bob Longcor of Stran-Stell, Detroit, Roy Osterberg, state architect's office, and Bill Stanton of Minnesota Fence. . . 10—John Gray, St. Paul schools, John Whalen of Stran-Steel, Bill Davies of Myron-Kehne and Bert Toensing of Minnesota Fence. . . . 11—J. H. McNutt, AIA, Sil Bertozzi of Minnesota Mining and James Galbraith, assistant state architect. . . . 12— Jim Voigt and Bob McGee, both AIA, and Vern Byer of Minnesota Fence. . . . 13—George Ulvick and C. Durr, both AIA, Bill Stanton of Minnesota Fence and J. Seppanen, AIA.

"CRY HAVOC" HAS ENCOURAGING ECHO

In the midst of all the crying over our educational system and the lack of trained personnel in various vital fields, it is encouraging to read some comments released on this situation in the "Washington Report" of the U. S. Chamber of Commerce.

Citing an increase of 80 per cent in the number of college trained engineers in the last six years, the chambers also cited that:

"Almost three college-age youngsters in 10 now attend college. In Russia, the figure is one in 10 and in western and central Europe it's one in 20.

"Since 1930 U. S. college enrollment has climbed 214 per cent while population climbed 39 per cent.

"An estimated 75 per cent of the most able (upper 25 per cent) students among last year's high school graduates entered college."

These facts were presented at the Senate Labor Committee's education hearings by Dr. John R. Miles, manager of the chamber's education department.



MAY-JUNE, 1958



Twin Cities architects and others in the construction industry recently were guests of Gardner Hardware, Minneapolis, at an open house held for the showing of new products in the building and hardware lines the company handles. The pictures in the montage on the opposite page show some of the many who attended, in each case identified left to right.

1-Doug Wasmuth, AIA, of R. V. McCann Co., Norman Ove of Steel Craft, R. V. McCann, AIA, of R. V. McCann Co., and John Healy of Gardner Hardware. . . . 2-Tilford Moore and Bill Pose, both AIA, Ellerbe & Co., and Al Sharp of Stanley Hardware. . . . 3-John Moorhead, president of Northwestern National Bank, Sig Pearson of Pearson Bros. and L. K. Healy of Gardner Hardware. . . . 4-Ben Francke of Hough Mfg. Co., Vic Gilbertson and Al Fisher, both AIA, of Hills, Gilbertson & Hayes, and Larry Ward, of Gardner. . . . 5-Tom MacKenzie of Johnson, Drake & Piper, Bill Meyers of Minneapolis Builders' Exchange, Roy Sundell of Gardner and Jim Stewart of Stewart Paint. . . . 6-Beatrice Reges of Johnson, Drake & Piper, an unidentified lady, Art Dickey, AIA, of Shifflet, Backstrom, Hutchison & Dickey and D'Arcy A. Leck of D'Arcy Leck Construction. . .

7—Jack Loveless, AIA, of Bergstedt & Hirsch, Fred Stockberger of LCN Closers, Inc., and Charles Wahlberg, AIA, of Bergstedt & Hirsch. . . . 8—Mr. and Mrs. S. W. Dokken of S. W. Dokken & Co. and L. K. Healy of Gardner. . . . 9—John Gardner of Gardner and Frederick Mosse, AIA. . . . 10—H. B. Johnson of Bissel & Blair. . . . 11—Caron Carlberg and L. J. Maday, both University of Minnesota. . . . 12— Tom MacKenzie of Johnson, Drake & Piper, Nels Nelson of Gardner, Al Dalsen of J-D-P and F. L. Holm of Gardner. . . . 13—Harry Whiteley of Russwin, Ken Whitefield, AIA, of Thorshov & Cerny, John Healy of Gardner and Mrs. W. Stramel.

GERMAN ROAD TO ARCHITECT'S DEGREE ROUGH ON GIRL

A footnote to the educational requirements for an architect's degree has been provided by a letter from a former German exchange student who went to a Minneapolis school for a year before continuing her education in her native Germany. Ursala Schallus, who was here in 1956, wrote recently about preparing to go to the university to study for a degree in architecture.

"Each day I had a schedule that kept me busy studying right up to 12 o'clock at night but now everything is over and I'm happy to say I passed my examinations successfuly. It really was tough for we have to pass all sorts of "work" ones . . . then written finals.

"Two days ago we had commencement exercises where we received our last report cards and diplomas, sheets of paper, not elaborate. Wherever I try to get a job I have to show this paper. . . On April 1, I started work for a big construction firm. I was a little afraid, since workmen are not very nice to girls, but it is only for six months that I have to do practical work and then I can start on Darmstadt."

Ursala is planning to take a five-year course to become an architect but had to have the practical laboring work first.

NORTHWEST ARCHITECT

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MAY-JUNE, 1958

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NORTHWEST ARCHITECT

RELIGIOUS ARCHITECTURE SHOW AROUSES CARLETON COMMENTS

When the show assembled by the Museum of Modern Art in New York, "Modern Religious Architecture," was shown at Carleton College in Northfield, Minn., the middle of May it aroused considerable interest both on and off the campus. Included in the show for its local presentation was work by Edward Sovik of Sovik, Mathre and Associates and William E. Broderson, Northfield architects.

The presentation was well reviewed by Albert E. Elsen, assistant professor of art at Carleton, in the Northfield News.

"While only a few churches are shown, and these in a series of good views and details, it is possible for the viewer to sense the pattern of the church construction that has taken place since World War II," Mr. Elsen said. "The pluralistic state of religion today naturally accounts in large measure for the variety in the church structures. The willingness of congregations and church authorities to permit architects to create from their private sentiments is an even more important factor.

"While this has produced outstanding individual works, it has also introduced the problem, articulated by Mr. Sovik in a talk to Carleton students during that college's recent Religion in Action Week, as to whether these edifices constitute an architecture of religion or a religion of architecture! When one studies the photographs of such churches as Corbusier's Ronchamp Chapel, Wright's Beth Sholom Synagogue or Mies van der Rohe's Illinois Institute of Technology Memorial Chapel, the question arises as to what extent the architecture might inhibit or facilitate worship. Photographs do not permit a satisfactory answer, as the church must be used again and again in order to weigh the extent to which it impinges upon or excites religious consciousness.

"For some of these architects, such as van der Rohe, architecture is a religion. They cannot design a church structure in a different way from an office building or a factory. Only the accessories change. For some congregations, and for architects like Mr. Sovik, this continuity of architectural form in religious and secular building implies the seven-day-a-week existence of religious values in their lives. Architects such as Wright, Corbusier and Schwarz return to the medieval tradition of making of the House of God a building apart from mundane edifices through the imaginative creation of new spaces, light effects, textures and forms.

"All of the religious structures in the exhibition share the common feature of controlled light as a contributor to both the form and symbolism of the church or temple. Saarinen's M.I.T. chapel channels light to the altar from a circular opening in the ceiling and the rest of the circular enclosed area is illuminated by light reflected from a pool that surrounds the building. Belluschi's Portland, Oregon, Lutheran church strongly contracts the brilliance of the altar area with the muted luminosity of the nave. Corbusier's light filters into the moulded interior of his cave-fortress-like chapel



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"The stark revelation of the armature and building materials of the churches demonstrates that the aesthetic can be both religious and secular. The practice originated in modern architecture in the designing of industrial and commercial buildings. Its present utilization in religious buildings is sanctioned by the congregations' desire for direct and honest revelations of their beliefs in the form of their houses of worship.

"Architects such as Rudolf Schwarz of Germany, Gillet of France, Vaccaro of Italy and van der Rohe, Belluschi, Harrison and Abramovitz in this country, rely upon forcefully designed walls to carry their spiritual ideas. Niemeyer of Brazil, Böhm of Germany, Corbusier of France, Candela of Mexico and Wright contrive powerful and expressive vaulting systems that are generally unlike those of secular buildings. This last group concentrates upon creating large imaginative and moving interior spaces and rhythms.

"One cannot escape the impression that the museum's selection favors somewhat the severe and militant churches. There is a feeling of tension about the new German churches. Perhaps the intended effect was that of self-effacement and denial to contrast with the luxurious tastes of modern societies. We feel that the God worshipped in many of these churches is the Old Testament Jehovah and that, once again, the church sees itself as in the twelfth century, an aggressive institution in a hostile world.

"Perhaps the noticeable lack of painting and sculpture in most of the works exhibited by the Museum of Modern Art contributes to this reaction. It is refreshing to see in Sovik's work a thoughtful and extensive use of painting, sculpture and stained glass."

"WORLD OF MOSAIC" FILM MADE AVAILABLE

A new 16 mm color motion picture, "The World of Mosaic," has been made available by University Extension, University of California (Los Angeles). To condense 4,000 years of history into 28 minutes was the problem faced by writer-director N. H. Cominos and after nearly three years the result is the first documentary film ever made which traces the relationship of mosaic art to architecture from the earliest civilization down to the present time.

Narrated by film star Richard Widmark, the history of this ancient art is woven into a fascinating commentary on the cultures of each era, as seen through the eyes of their artist. Like the builder and achitect of our time, artisans of the past were apparently impressed with the utilitarian qualities of mosaic. The earliest known use of the medium was as pavement and the lining in water cisterns. Then small designs and crude pictures were worked out. Remnant examples of early Sumerian war scenes are shown which date back more than 1,000 years before Christ.

After tracing mosaic's fascinating history, the film reaches a climax with creation of a monumental mosaic mural by contemporary artist Joseph Young, seen from its inception to installation in the Los Angeles civic center. The film is 16 mm, color, sound, runs for 28 minutes, has a sales price of \$295 and a rental charge of \$12.50. For further information contact Educational Film Sales Department, University Extension, University of California, Los Angeles 24, Calif.

BUILDING COSTS RISE TWO PER CENT IN YEAR

Building construction costs, notwithstanding market weaknesses general across the United States, have managed to squeak up another two per cent for the 12 months ending in March, according to an early May report from the Dodge Corporation. All of this came about in the first half of the period. Since then there has been enough price deterioration in retail quotations to slightly more than offset the impact of higher wage rates to building trades craftsmen.

Commenting upon the significance of information received from several hundred contributors in 48 States, Myron L. Matthews, manager-editor, the Dow Real Estate Valuation Calculator, an F. W. Dodge Corporation service, said:

"As for the future it appears reasonable to expect that the cost to build almost anything from a cottage to a skyscraper will push on upward at a rate of about one per cent every four months, or three per cent for 12 months but things are in such uncertain balance that a moderate drift in psychology could change the outlook one way or the other, almost overnight."

Of the two major components of construction costmaterials and labor-labor has again exhibited the greater strength. This has been enough to overcome the rather severe drops in retail lumber price quotations and the minor weaknesses in other prices.

COMMITTEE TO SEEK BUILDING ACCOMMODATIONS FOR HANDICAPPED

A new committee of interested persons has been formed in Minneapolis to seek design of public buildings to better accommodate the handicapped and several Twin Cities architects have taken an active interest in the project.

Henry Haverstock, Jr., an attorney, was elected chairman of the committee at a recent meeting. Other members include Robert Kerr, Edwin Krafft, Fred Vant Hull, Anders Thompson, Mrs. Lyle French, Mrs. R. L. Anderson, William De Parcq and Mrs. James G. Fullerton.

Mr. Kerr told the first meeting of the committee how in the past building designers have ignored the needs of handicapped persons and much thought went into making grandiose facades and related things. Ideas, he said, had to be monumental to impress the buyers of buildings to house courts, banks, post offices and the like. This led to use of steps, high entrances and split levels, all of which presented serious problems to handicapped persons who had to use the buildings.

The number of persons in wheel chairs, on crutches and just "plain unsteady on their feet" has been growing, W. B. Schoenbohm, executive director of the Easter Seal Society, said. He pointed out there is no functional use for exterior stairs and other architectural frills and that better modern design takes into

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consideration the function of structures, which should benefit the handicapped. The committee hopes to have its ideas incorporated into new structures and revisions made in older structures.

SCHOOL CONSTRUCTION STILL LOOKS GOOD

School construction news still looks good to the U. S. Chamber of Commerce, according to a recent report from that group which said a record 70,300 classrooms appear to be scheduled for construction this school year on the basis of 1957-58 bond sales. This tops the record total for the preceding year of 68,600 classrooms. When compared with the 9,000 constructed in 1946-47 it is clear the United States is trying to catch up to its rising educational needs.

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Jyring Feels Professional

Men Must Be Humane

The humane aspects of life need attention from professional persons, in the belief of E. A. Jyring of Hibbing, Minn., whose trip to the eastern countries was reported in a recent issue of this magazine. Since his return, Mr. Jyring has spoken before a number of groups on his reactions to what he saw in the East.

"Last summer I read about a man who when traveling around the world did something about the lack of

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capital in countries where natural and human resources are available," Mr. Jyring said. "This man is William Graham, an oil man from Wichita, Kansas, who had started many enterprises in America in partnership with ambitious young men, shared the profits with them and gave them the opportunity to buy him out at any time from their share of the profits. In Bangkok, Thailand, he deposited \$25,000 of his own funds in a local bank, and in New Delhi, India, he deposited \$30,000 to start deserving people in \$5,000 size projects in these countries. . . Other Americans gave various amounts until \$250,000 were raised. . . .

"About this time I wrote to Mr. Graham congratulating him on his wonderful attitude towards his fellow man. After a few telephone calls, it was decided that I should go to India with him to help him invest the \$250,000 and to get whatever Government permits were required to invest this money in India. It was agreed that I would make this trip at my own expense same as Mr. Graham and Page Lamoreaux, national director of the Boy Scouts of America, a Cadillac dealer and rancher from San Francisco.

"It had become apparent to Graham and Lamoreaux that if local capital in each country would invest an equal amount to the investment of Private Enterprise, Inc., that the American money would go that much further and that many more projects could be started. . . At the present time there is a regulation (one of many) which does not permit the return of American dollars until 1961, and then only in percentage lots. If this regulation applied to the Private Enterprise, Inc., investments, it would be hard to get American investors interested in Indian projects, if the money could not be returned until 1961. Therefore, we moved to New Delhi, the Capital of India, to see if something could be done about this.

"When we arrived in Delhi, we made an appointment with an undersecretary of Industry and Commerce by the name of Menobai Shah. At our meeting with him, he acted like a small dictator and laid down regulations as to how we could operate and stated that no American monies could be repatriated until 1961. He further stated that we were getting too much publicity and that we should have no more press conferences. He also insisted that our plan name should be changed from Private Enterprise, Inc., to Industrial Enterprises. There were other restrictive measures that he wanted to impose on our work. . . .

"At this stage we met a man who is a member of the Indian Parliament by the name of Minoo Masani. He suggested that we see Menobai Shah's boss who is the Minister of Commerce and Industry, Maraji Desai. Masani made the appointment and the meeting was very successful. Mr. Desai approved everything we were doing and made an appointment for us with the Minister of Finance, T. T. Krishnamachari. TTK, as he is known in India, was very friendly and approved everything we proposed and said that we could repatriate any amount of money up to five million dollars at any time. This under another regulation that is also in effect. Larger amounts would need special permission to be repatriated, but he indicated that this would be possible. . . ."

The group also had a successful interview with Nehru.

"In Calcutta," Mr. Jyring reported in another part of his speech, "I became really aware of under what conditions the majority of the people in India live. Firpos is a large restaurant next to the Grand Hotel where we lived. One morning I walked across the street to the edge of a large park that faces the hotel. A thin, half-starved woman had a large pile of ashes on the ground in front of her and she was going through these ashes with her hands, picking out the small bits of coals that had not burned, separating them from the ashes. She had the concession for the ashes from Firpos restaurant. She had the concession for the garbage from this restaurant, which she separated into neat piles, the uncooked bones in one pile, uncooked meat in one pile, soggy bread in one pile, dry bread in one pile, etc. This food was piled on a dirty burlap sack. She sold the food to the people who hovered around her activities. At all hours of the night, there are scores of six- or seven-year-old boys around the hotel area begging for food and money, or soliciting business for their ten- or eleven-year-old sisters.

"These are conditions which are fertile beds for communism. When a man is starving, he does not question the danger or advisability of becoming a Communist, if communism promises better conditions. There are more than 400,000,000 people in India and, if India falls to communism, all the Far East will follow India. This would give Communism control of the largest portion of the world and our position in the world would become secondary-we all know the economic and spiritual consequences. Communists, of course, preach that theirs is the revolution that can improve the condition of the people and when people are desperate they will believe such propaganda.

"Of course this is not so. Capitalism, that is, good moral capitalism, is the revolutionary, vigorous system that has given us the standard of living we enjoy today. Under our system of democracy a man can make a good living, educate his children and have many luxuries not possible under any other system, by working only 8 hours a day, 5 days a week. Furthermore, the harder worker and the more gifted person can gain independence in less than a lifetime. This is the proof that capitalism is the most revolutionary system in the world.

"How are we going to use this leisure time and wealth that we are blessed with. Are we going to use it in idle relaxation, useless vacations or even harmful habits, as has been the pattern of life for so many, or are we going to devote some of this time and money to the welfare of our less fortunate neighbors and at the same time save ourselves from being engulfed by hostile ideologies? In the feudal times the feudal lord lived in his walled castle and oftentimes, when the crop was poor, the peasants would pound on his gate and ask for grain. Many times he would not listen but would let the peasants starve. The comparison is not entirely a good one, in that conditions are different, but with plane travel as it is today and as it will be in the future, our less fortunate neighbors are not very far away. . . .

"The problem we are faced with is, will a good MAY-JUNE, 1958

moral democracy be available to these people or is some other form of government that presents a vigorous front going to dominate these people and eventually make slaves of them? I don't think so but we must work hard to perpetuate a moral, dynamic, vigorous capitalism that will prove to the world that private enterprise, under democracy, can give individual liberty which will create a better environment for all people. People all over the world are entitled to a free enterprise type of government which gives them personal liberty to improve their conditions and to worship God as they please. . . ."

Remember? The Regional Conference, St. Paul, October 2 and 3.





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STRAWS IN WIND INDICATE CONSTRUCTION INDUSTRY STRENGTH

Several indications have come forth during recent weeks to indicate there is continuing strength in the construction industry and the outlook is good although perhaps there will be no great record setting this year.

That the construction outlook is strong is the opinion of the Business Advisory Council, a group of business leaders who confer three or four times a year with top cabinet officials on the business outlook and business attitudes toward government policies. Top construction executives reported that more construction projects have been cleared for advance planning recently than for several months. This, in effect, guarantees a



substantial construction upswing beginning six months to a year from now when these projects become active.

Construction contracts in the United States showed a "highly encouraging" increase in April, according to complete figures for the United States released by F. W. Dodge Corporation. Dodge vice-president and economist, George Cline Smith, noted that this marked the first break in a series of declines which began last November with practically all categories showing improvement.

The April contract total for the United States was \$2,881,011,000, an increase of 4 per cent over April of last year. The first three months of 1958 had been down 11 per cent below the same period of 1957.

THOUGHTS FROM A NEWSLETTER

The Minnesota Community Planning Newsletter, new publication of the Department of Business Development, recently has contained some well put thoughts which we would like to quote for our readers from its first number. They sort of start thoughts.

"Some Thoughts on a Centennial Year: It's 1958 and Minnesota celebrates one hundred years of statehood. This is a year made for reminiscing and forecasting, for satisfaction and hope. Those of us who are concerned daily with the city and its problems see the future as definitely urban as the past was rural and semi-urban. We would not presume to predict the patterns of living one hundred years hence but we think we can see the trend which began back about two or three decades and can project it forward for another two or three decades. Urbanism is the wave of the future and Minnesota will be an urban state in an urban nation.

"The most important adjustment we can make to a future of city living is to accept it and like it. It's time for us to give up our dreams of a rural or semirural urbanity and begin to build our cities into places of beauty and comfort. To do this we must first accept the city as our permanent home, instead of operating as though we were temporarily stuck with a dubious investment, ready to sell and run whenever some threat arises. To build our cities into satisfying homes for our children we must substitute *fight* for *flight* in our attitude toward our community's problems. Once we have made up our minds that the city is our home we can begin to tackle its problems with the determination required to solve them.

"One of the major tasks we face in adjusting to our urban future is to educate ourselves and our children to live in the city. The child who grew up on the farm with his future fixed in agriculture had to know the ways of the land in order to live on it and from it. We and our children similarly must learn the ways of the city, what makes it function, what its ills are and how to cure them. No man is educated who is ignorant of his environment and the forces that shape it. The environment of the modern man is surely the city; he is an urban creature."

"Planned Towns Hold Key People Better: Some people think that industrialists tend to value community planning primarily as a preventive against costly
traffic delays. A broader vision was demonstrated by W. M. Kelley, president of Reserve Mining Company. The Duluth *News Tribune* reported that Mr. Kelley explained the careful planning of Silver Bay as follows:

"'In processing taconite costs are bound to be high so, in order to be competitive, we must employ the highest caliber men. That is why we have used great care in planning and building the new towns of Silver Bay and Babbitt. We had to make sure these would be good towns in which to live and work so that we would not only attract, but hold, the highest type of people."

MILWAUKEE LANDSCAPERS ACTIVE

The relation of the landscaping of site to the building erected there has been given increased attention lately by architects and others in the Milwaukee area, where a group of landscape architects has been organized and members have held panel discussions.

The old idea of suddenly awakening to the need for landscaping after erection of a building was pointed out by Edward Mallonen, Milwaukee County landscape architect. He said the new idea, which is growing, is to invite the landscape architect to site selection sessions and let him advise on original design so the building and landscaping will make the best out of the site.

Looking at a school site, Mr. Mallonen said that landscape architects agree the structure should occupy 25 per cent of the site, landscaping should cover another 25 per cent and students' recreation should get the other half of the site, at the rate of 100 square feet of play area per student.

In this same field of work the county is planning a new horticultural building which will feature a huge glass dome.

HOME AND SCHOOL SUBJECTS OF AIA ANIMATIONS

The first two in a series of semi-animated movie shorts on architectural subjects have been completed by The American Institute of Architects as public relations aids for chapters and state societies.

"What's a House?" first of these 15-minute cartoon films, traces the evolution of the American house from the "carpenter classic" to the residence of the future. By acquainting the audience with some of the problems of site planning, orientation and building technology the film indirectly points up the essential role of the architect in residential design.

"A School for Johnny" addresses itself to the problem of filling the increasing need for schools without overstraining community resources. The film relates some of the primary factors the school architect must consider in designing for today's education and attempts to clarify some misconception about comparative costs and economy in school design.

Both films are done in simple Disney-like cartoons and charts on a minimum budget. Both include color photographs by outstanding architectural photographers. The films may be either purchased or rented from AIA. The purchase price is \$65 per film.

Future films in the series will deal with churches and business buildings. Intended primarily as discussion aids for adult and youth groups, the films are also suitable for television use.

NOW YOU CAN RENT A PLANE IN 56 CITIES

Hertz, pioneer in car and truck renting and leasing, has inaugurated rent-a-plane service in 56 U. S. cities. The service will rent airplanes to individuals or groups on a "Taxiplane" (charter) basis with the pilot provided, or to qualified pilots on a "Fly-Yourself" basis. Joseph J. Stedem, Hertz executive vice-president, said the company expects to extend the plane rental service to a total of 100 cities by the end of 1958.



ARCHITECT'S "HANDS OF FUTURE" GET INTO THE NEWS



Gerard Jenniges (right) shows his trophy to F. G. Musala, director of apprenticeship for the state of Minnesota, W. T. Holziner, Minnesota industrial commissioner, and D. Whitlock, chairman of the board, Structural Clay Products Institute, Washington, D. C.

Craftsmen who are now in apprenticeship programs are the architects' "hands of the future" and their accomplishments and training have been much in the news lately as a St. Paul bricklayer won the title of International Champion Apprentice Bricklayer and several conferences on the problem of the program were held.

Gerald Jenniges of St. Paul, won the bricklaying title during the tenth annual competition in Cincinnati, competing against 44 other apprentices who were the best in 21 states and Canada. The competition took four days. Symbol of the championship is the Belden Trophy, contributed by the Structural Clay Products Institute. Mr. Jenniges was given special honors during the Fourth Minnesota Apprenticeship Conference in St. Paul on May 1, when Douglas Whitlock, board chairman of SCPI, warned listeners there must be an increase in training to meet demands for skilled craftsmen in the future.

Mr. Whitlock said he was alarmed to read in a report by the department of labor that the number of craftsmen in the United States did not increase during the period of five years from 1951 to 1956.

Even more shocking is the lack of interest which young people are showing in the skilled craftsmen occupations, Mr. Whitlock said. According to the U. S. Labor Department, the number of youths under the age of 25 who are skilled craftsmen dropped 28% between 1951 and 1956. This figure is of greater concern when we consider that 20,-000,000 of the new workers entering the labor market between 1955 and 1965 will be under 25 years of age, he reported.

Economists tell us that our growing population and expanding economy will require the United States to boost its output of goods and services 33 per cent by 1965 and another 50 per cent by 1975. To reach these goals, we will have to add another 10,000,000 jobs to the work force by 1965 plus another 10,000,000 to 15,000,000 by 1975, Mr. Whitlock said further. Despite the record number of young men attending college today, there is still a sizable number who will not, and probably



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"For these men, apprenticeship training in one of the skilled crafts such as bricklaying, tool and die making and carpentry offers a wonderful opportunity," he said. They will better themselves financially and also contribute something vital to our economy, the brick industry leader added.

Mr. Whitlock appealed to both labor and management to impress the young men of America with the dignity and historic pride of workmanship in the skilled trades.

"Today there is a great hue and cry made over the increased demand for engineers and scientists-and certainly we need them-but we also need competent craftsmen to make our scientific progress a reality," he concluded.

MAGNEY TELLS APPRENTICES OF THEIR INDUSTRY'S FUTURE

John Magney of Magney, Tusler & Setter, Minneapolis, told apprentices and others who took part in

the Minneapolis-St. Paul Building Construction Industry's Eleventh Apprenticeship Completion Ceremony at the University of Minnesota recently of their partnership with the architect and others in the building industry's future.

"You and I are partners in the largest industry in America," he said. "It has not always been this way. The farther back you go in the history of civilization the more evidence there is that structures were designed and built by designer craftsmen. The architect in those days frequently doubled as a builder, and a builder often dabbled in design. Nowdays there is some of this going on but the percentage is small. There are several possible reasons. As an architect and a member of the American Institute of Architects my code of ethics prevents me from building or having an interest, financial or otherwise, in any building material. My professional responsibility is wholly in the interest of one man, my client.

"You have given up designing buildings for different reasons. For one thing, the design and detailing of buildings have become very complicated. Furthermore, the construction of a building requires so much skill and knowledge that it is in itself a full-time job. For these reasons, then, you and I are partners and not competitors as we were in the past.

"Let's take a look at my side of the partnership. As an architect, I am no longer concerned merely with the design of an isolated building on a particular site. More and more architects are becoming planners in a broader sense. We are not only designers of buildings but the designers of environment. To do this successfully, the architect and engineer has to solicit the help of sociologists, psychologists, economists and even psychiatrists. To design for people one must understand people and how they behave and react under various environmental conditions. It is fortunate, and very necessary, that architects are finally realizing that they are designing buildings for people.

"Have you ever walked on Fifth Avenue between the buildings in Rockefeller Center in New York



WATER WELLS NATER TREATMENT

A Permanent Staff for RESEARCH

Layne is the only water development company with its Layne is the only water development company with its own research department. Our staff of chemists, physi-cists and engineers are continually developing new products and methods which can improve the quality and quantity of your water and lengthen the life of your well, pump and water treatment equipment. This em-phasis on research is just one of the reasons Layne has become the "world's largest water developers." For the complete story on research, drilling equip-ment, world-wide experience and service . . .

... Ask the Man from Layne --



City where the tall buildings touch each other as they reach skyward? As you were attracted toward the gilded sculpture at the end of the mall, you suddenly find an outdoor skating rink surrounded by ringside cafes. To find such a delightful spot in midtown New York is very surprising and refreshing. All this just didn't happen—it was planned that way, and it was planned for people.

"Or have you ever walked from busy Union Square in San Francisco's downtown into Maiden Lane, a very short and narrow street paved with red brick, with trees in the boulevard and benches on the sidewalk where, if it's your pleasure, you just sit and sit. It is a charming little street, and it, too, is for people.

"Or the first time you walked into the lobby of the St. Paul City Hall-Court House and were surprised or even startled by Carl Milles' onyx Indian. It is a very successful piece of sculpture in itself reminding all of us our heritage and our obligation to the present and the future. I can't begin to describe the feeling I have had as I walked up the many steps into the Lincoln Memorial in the nation's capital. The atmosphere of reverence and respect compels almost everyone to bow his head and thank God for giving us men like Lincoln.

"In a little lighter vein, let's go to Southdale, in the Twin Cities, and walk through the mall surrounded by shops, sidewalk cafes, benches and sculpture by Bertoia. Why did Mr. Dayton and his associates spend a tremendous amount of money for this mall? Very likely because they wanted to create an atmosphere in which people felt good.

"Designing a building is much more than satisfying the functional requirements of the problem, it is designing an environment and creating a climate in which people feel as they should—whether it's a home, school, church, restaurant or retail store.

"Now, let's look at your part of this partnership. First, let me say that without you there would be no building business. My designs and details would be of academic value only unless you were there to translate them into reality. Let's pause for a moment to consider the importance of good design and good workmanship. A bad building is an awful thing. You can't burn it easily as you would a piece of music or a bad book and you can't turn it to the wall as you can a bad painting. It just stands there and outlives our apologies. You can help the exterior by planting a lot of vines but you're stuck with the rest of it.

"Conversely, a good design is not a complete success unless the workmanship is good. You gentlemen are a very important part of this partnership.

"Every commencement speaker has told you, as he has told me, that this is the beginning and not the end. In other words, you have not arrived. It is a fair question then—what is this beginning?

"In the first place you have begun to learn a trade, which in itself is a very honorable and worthwhile achievement. This will give you a respectable standing in your community. You will participate in many community activities, such as PTA, Scouts, church, etc., and in this way you will do a lot of good things



that need doing. When your children are asked what you do for a living they will proudly say you are a carpenter, a plumber, an electrician or whatever is your chosen building trade. To me, this is very important. For all of you, this is the real beginning of learning your trade well. I am sure you have found out by now that you don't learn a trade in a few years-just like architects, they don't learn a profession in a few short years at the university. But they, like you, have learned how to learn and that, I believe, is where you are this evening. So I urge you to develop your skill and increase your knowledge so you will become as good or better than 'the oldtimers' who have done so much to make America great.

"One more thing. Develop a lot of pride in your work so you derive satisfaction from doing a good job. If your only reward is your paycheck you will not be very happy.

"For some of you, and I hope many of you, this will lead to bigger things. Those with leadership, ability and ambition will go on to become foremen, superintendents and contractors. Some of you will become active in union activities. If this is in your future, I hope that you will furnish leadership with intelligence and understanding so labor unions will continue to be an essential part of our society.

"You and I as partners have a tremendous job to do. The work ahead is very large and very important. Our increased population which started in the early forties will soon be making strong demands on the building industry. Urban renewal in almost every city in the nation will have an inestimable amount of construction, not to mention the demands which will be made by nuclear energy and automation. This is the future of our business and our country. With so much work to do here on earth we should wish that trips to the moon were not so close at hand!"

JESTER ELECTED PRESIDENT

Joseph H. Jester, manager of commercial building sales for Minneapolis-Honeywell Regulator Co., has been elected president of the Minnesota Chapter of the Ameri-



Mr. Jester

can Society of Heating and Air Conditioning Engineers. Others elected included Ronald Gridley of Thorshov & Cerny, vice-president, John McNamara of McNamara Sales Co., secretary, and Charles Hastings of American Blower Co., treasurer. All are Minneapolitans.

Mr. Jester is well known in architectural circles in this area, having been a president of the Minnesota-Dakota Chapter of the Producers' Council. He is currently serving on the board of directors of the Minneapolis Builders' Exchange.



PRODUCTS and SERVICES

Cross Section of What's NEW

SHUR-NUFF ENTERS STORE EQUIPMENT LEASING FIELD

Leasing of fixtures and equipment for stores and related businesses so owners will not have to invest large sums of money in these appurtenances has been announced by Shur-Nuff, Inc., Minneapolis.



Messrs, L. I. and S. Chernoff

Louis I. Chernoff, president of Shur-Nuff, said his company has made arrangements with two financing firms to handle both prime risk customers and other-than-prime risks.

"We will be in position to offer a package deal covering everything in the way of equipment from air conditioning, lighting and office furniture to display cases, counters and sales banners," Mr. Chernoff said. He pointed out that cost of equipment always has been a major item in store work, some department stores in average communities having as much as \$75,000 invested in these items.

Shur-Nuff Fixtures and Equipment Leasing Corp. of Minnesota and a sister firm in Illinois will offer contracts running from five or 10 years to as long as 20 years. Lessees will have the opportunity of buying the equipment at a fair market value at the end of the lease period, he said, or earlier if they so desire.

The fixture company has made arrangements with Northwestern National Life Insurance Co. to han-

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dle the prime contracts and Bennett-American Corporation, Chicago, to handle the smaller ones. The Shur-Nuff firm has been in the fixture business for about 15 years, has been a manufacturer for seven. Equipment and fixtures the company does not make itself will be obtained from other sources, the company acting as a broker.

GARDNER NAMED DISTRIBUTOR FOR STEELCRAFT DOORS

Gardner Hardware, Minneapolis, has been made a distributor for Steelcraft Metal Doors and frames, according to John J. Healy, Gardner vice-president. The company will keep a complete stock of the doors and frames in its warehouse and they can be delivered with or without hardware, Mr. Healy said.

FEDERAL CEMENT TILE COMPANY MAKES HARRIS PRESIDENT

T. R. Harris has been named president of the Federal Cement Tile Co., Chicago, and John E. Varlie vice-president in charge of sales. Joseph Buczynski was continued as treasurer of the firm.

Mr. Harris succeeded Cheri S. Freund, who has retired from the presidency. Other retirements announced were those of Leland J. Wilhartz, former executive vicepresident, and Arthur Isherwood, former vice-president.

The Federal Cement Tile Company, manufacturers of precast concrete roof deck and floor materials for 51 years, is a subsidiary of the Holly Corporation of New York City. To keep pace with today's demands for new and better building construction materials, Federal is now actively engaged in an extensive program of products research, improvement and development. Expansion of the company's manufacturing facilities is also planned.

HANSON GOES TO MIDWEST CONCRETE INDUSTRIES

New sales manager for Midwest Concrete Industries, Des Moines, Iowa, is David W. Hanson, Duluth native whose civil engineering degree was taken at Iowa State College in 1952. Midwest manufactures architectural concrete panels and prestressed concrete girders, channels and double tees.

"Midwest, one of the largest panel producers in the Northwest," Mr. Hanson said, "is currently supplying large panels for two hospitals in the Des Moines area, both designed by Brooks-Borg of Des Moines."

ALSYNITE OFFERS SCHOOL BROCHURE

A colorful new brochure, illustrating and describing the varied uses of Alsynite translucent fiberglass panels in school construction, is now available for free distribution. Alsynite is handled in this area by Steel Structures, Minneapolis.

"The 4-page folder shows how Alsynite installations can daylight school buildings to save electricity and maintenance costs. The soft, diffused light which passes through Alsynite, protects the eyesight of teacher and pupil," the maker reported.

"Extensive use of Alsynite paneling has been made in school gyms, study halls and libraries where abundant daylight without shadows is required. Alsynite is used for school canopies, awnings, skylights, ceilings, partitions, fences, screens, doors, chapels and coverings for play areas.

"Featuring Filtron 25 to control heat and light transmission and Chemiglazed surface for lasting beauty, shatterproof Alsynite will not crack or craze. It is available in a wide variety of modern decorator hues to match most color schemes and it never requires painting."

For a copy of the new school brochure (S-358), write Alsynite Company of America, 4654 De Soto Street, San Diego 9, Cal.

OLSON ELECTED PRESIDENT OF NATIONAL METAL GROUP

New president of the non-ferrous division of the National Association of Architectural Metal Manufactur-



Mr. Olson

ers is S. M. Olson, president of the C. W. Olson Manufacturing Co., Minneapolis. He was elected at the group's recent convention in Houston and he succeeded Emil M. Pollak of Chicago. Mr. Olson had been vice-president of the division for the past two years. He is a past president of the Minneapolis Builders Exchange.

MENSIES NAMED TO DEVEL-OP NATIONAL PETRICAL SALES GROUP

Fireproof Products, Cornell, Wis., has named James A. Mensies, Sr., as sales manager to develop a national sales organization for its product, Petrical.

"Petrical is a structural, noncombustible, insulated and acoustical roof deck, non-load bearing side wall and form for pouring aggregate," Mr. Mensies said. "I shall work with architects and sales representatives in all parts of the country on detailing this material for projects, answering their technical questions and in every way serving them with this new product."

Fireproof Products has opened a Minneapolis sales office, where Mr.

MAY-JUNE, 1958

Mensies and James D. Kloster, sales engineer, will headquarter. Mr. Mensies formerly was general manager for The Hauenstein Company, Minneapolis.

PRODUCT LITERATURE AWARDS ANNOUNCED

Awards for the year's most outstanding building product literature and space advertising directed to the architect as a reader will be presented to Kawneer Co., Perlite Institute, Armstrong Cork Co., Structural Clay Products Institute, U. S. Steel Corp., Fenestra Incorporated and Aluminum Co. of America. Each will receive a "Certificate of Exceptional Merit" for an entry in the 10th Annual Building Products Literature Competition.

This yearly literature and advertising evaluation is co-sponsored by the American Institute of Architects and Producers' Council. Purpose of the competition is to provide manufacturers and associations with a standard for appraising their own technical and promotional literature and space advertising, by recognizing excellence in that distributed to



Talmud Torah Hebrew School, Minneapolis, Minnesota Architects: Lang & Raugland

BE SURE YOUR SCHOOLS ARE FIRE SAFE

If you have anything to say about a new school building, keep these facts in mind . . . in 1950 there were 2,900 school fires which caused \$17,000,000 in damages. By 1955 this had jumped to 4,500 fires and \$21,500,000 damage.

It has been proven that the theory that a 1-story building of any type of construction, is safe so long as it has enough doors, is erroneous. A good example is the Cheektowaga, New York fire in 1954, which took 15 lives. You can build a clay masonry school at a lower square foot cost than you can build with other materials, which provide very little or no fire safety.

Send for your copy of FREE book, "A Citizen's Planning Guide To Low Cost School Construction."

Structural Clay Products Institute

Region 6

Ames, Iowa

Minneapolis Office, 401 Wesley Temple Bldg.

architects or carried in publications within the past year.

Among others honored by awards of certificates of merit and honorable mentions were Minneapolis-Honeywell Regulator Company, Architectural Division of Porcelain Enamel Institute, Anemostat Corporation of America, Blumcraft of Pittsburgh, Minnesota Mining & Manufacturing Company, The Mosaic Tile Company, United States Gypsum, California Redwood Association, Ceramic Tile Panels, Inc., United States Plywood Corporation and Overly Manufacturing Company.

MILLER JOINS ZENITH CONCRETE AS SALES REPRESENTATIVE

New sales representative for the Twin Cities and southern and western Minnesota for Zenith Concrete Products Co., Duluth, is M. G. "Bud" Miller. He will handle the company's sales of Spectra Glaze and autoclaved blocks and will spend much of his time in contacting architects to give them technical information on these two new products.

Born and educated in Canada,

Here you see both the back and face of Romany Spartan Quickset . mounted 11/16" x 11/16" Orsan tile. The thin, perforated backing exposes over 46% of the tile back and 70% of the perimeter to guarantee positive bond with setting bed. Because face is exposed, Quickset goes down faster with perfect pattern match. Time-consuming removal of paper facing is eliminated. ROMANY For faster mortar bed setting SPARTAN of ceramic mosaics...use **Quickset-mounted Romany** • Spartan MORTAR QUICKSET BACKING New moisture resistant backing This drawing shows how Quickset mounting permits the mortar to work eliminates sheet distortion, speeds into the joints. setting, cuts installation cost.

Here is an outstanding new development for conventional or thin mortar bed setting of ceramic tile.

The polyethylene-coated backing material on Quickset-mounted tile eliminates separation of tile and backing due to setting bed moisture . . . protects against stretching or shrinking...assures accurate joint alignment.



Northwest Sales Representative

This perforated backing exposes more

than 46% of the perimeter, including corn-

ers, insures positive bond with setting bed.

11/16", 11/16" x 21/8", 21/8" x 21/8" and combi-

nations of these sizes in Faiencettes,

Mosettes, Orsans and Spartex. 11/16" x 11/16"

only on Dresden and Drestex. For details, call:

Quickset is currently available on 11/16" x

927 Excelsior Ave., East

Phone WE. 8-8379

Hopkins, Minnesota
UNITED STATES CERAMIC TILE COMPANY

CERAMIC TILE PANELS, INC.



Mr. Miller

Mr. Miller is well known on the Iron Range as a former hockey player for Fort Francis, Ont. For the past 13 years he has been in the sales field, selling machinery, heavy hardware, lumber and building supplies. He will headquarter in Minneapolis.

USG WILL LICENSE BACK BLOCKING SYSTEMS

The United States Gypsum Company has announced plans to license builders and drywall contractors for the use of the company's patented methods of back blocking gypsum wallboard joints. Licensed contractors and builders will be permitted the use of all USG systems, although the granting of the license will not require the use of USG brand materials exclusively.

"Until back blocking was developed by the company, joint ridging was a major industry problem. It was commonly described as a condition beyond the control of the wallboard manufacturer and the contractor since it's not related to quality of products or workmanship," the company said. "However, more than five years of research on the problem has demonstrated that back blocking will reduce the incidence of ridging to a minimum, improve job quality and consumer acceptance."

ZONOLITE RELEASES NEW COLD STORAGE BOOKLET

A manual dealing with vermiculite for low-temperature insulation has been made available by Zonolite Company. The 8-page booklet gives information on vermiculite refrigeration fill, insulating concrete mixes and asphalt-bound vermiculite for cold storage floor construction. Suggestions for proper vaporbarrier treatment are included, as well as specifications and physical data on various Zonolite products. Copies are available from Zonolite Company, 135 South LaSalle St., Chicago 3, Ill.

ART GLASS GIVES DIFFERENT STYLE TO DOORS

"Newest look" in prefabricated door lights is the Art Glass line recently introduced by Maywood, Inc., building products manufacturer in Amarillo, Texas, shown here.

"Incorporating imported Bavarian cast glass and simulated leaded de-



signs ceramically fired onto clear glass, Art Glass door lights set a new fashion in this field," the maker said.

Cast glass has the advantage of admitting light while minimizing visibility from the outside. In the Art Glass line, cast glass is available in clear, gold or green tints in diamond and round patterns. The girl in the picture holds a piece of cast glass in a diamond pattern.

"The ceramically fired designs accurately duplicate the blue-grey color of genuine leaded designs and are permanently fused to the glass," the report said. "Maywood offers eleven basic designs of this type. Frames for both the cast glass and 'leaded' designs are produced in a variety of shapes and sizes in Tupelo gum, beech, mahogany, maple or oak."

Mention Northwest Architect, please, when writing.

BRUSSELS FAIRGOERS SEE SOUTHDALE PIX BY INFINITY

Four photographs of the Southdale shopping center in Minneapolis made by Warren Reynolds of Infinity, Inc., Minneapolis photographic firm, are being exhibited at the Brussels Fair. Work of Infinity, Inc., is well known to architects in this area as the firm has done extensive architectural work. "The technique used in these photos was a relatively new adaptation of two commonly used techniques," Mr. Reynolds pointed out. "The two techniques which were combined were to do photographs which have the exacting rendition of perspective and building masses required in architectural photographs and a photo reportage style required when photographing the



Specify HAWS! Get Complete Water Cooler specification data from one dependable source... write today, for the new 1958 HAWS Catalog!



A. C. BJERKEN & ASSOCIATES, 2645 University Ave., St. Paul 14, Minn. Ph. Mi. 4-5121 G. D. HAUPT, 5546 No. Berkeley Blvd., Milwaukee 11, Wisc. Phone WOodruff 2-1142 people and personalities who inhabit the building during its normal usage.

"This is the technique employed in the photo journal magazines, such as Life and Look, and has heretofore usually been accomplished by the use of hand cameras. The editors of the Architectural Forum, for which they were made, felt that since the Southdale Shopping Center was a building designed expressly for the use of masses of people, the only way it could be properly presented photographically was to make the architectural photographs also photo reportage photographs, which was done in this series of photographs.

"This technique would not have been possible except in the present time when new extremely fast film has been made available in professional sizes so that a photographer using a view camera, required for architectural photography, could also combine the candidness and documentary style of the photo journalist.

"The series of photographs on Southdale were submitted to the ar-



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Complete files are being distributed to all persons on our mailing list. Call or write if you have not received your personal copy.

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Flexicore, precast beams & columns, lightweight channel roof slabs, special precasting.

chitectural committee for the Brussels exhibition and four of the photographs were selected for the permanent exhibit during the international fair."

KAWNEER COMPANY

Kawneer Company has introduced a new style of push-pull handles for its narrow-stile aluminum doors. Called the "Continental", the new hardware design is a radical departure from present



door styling. Black plastic handle grips are combined with aluminum bars for striking contrast. In the illustration, at left, are two of the four different handle designs in the Continental line long bars that slash diagonally from the side to the bottom rail. At right the other two designs are smaller grips featuring contoured styling.

TEXOLITE COLORS, EXPANDED METAL USE REPORTED BY U. S. GYPSUM

Six new colors of Texolite vinyl exterior masonry paint—turquoise, charcoal, deep flamingo, celestial blue, medium gray and Ming green—have been announced by the United States Gypsum Company. The addition of the six new colors makes a total of 15 "Fashion Rated Colors" in the line.

"Made for painted or unpainted masonry surfaces, Texolite vinyl exterior paint can be applied on dry or slightly damp surfaces," the report said. "It flows on freely with a Baby Dutch brush, roller or spray gun and no priming is required unless the surface is chalky. Brushes, pails and other equipment come clean in warm water with a little household detergent added. The paint leaves no objectionable odors. Even when completely dry it 'breathes,' so unwanted moisture is not trapped within the masonry."

"The George Nelson Sketchbook," a ten-page black and white brochure presenting in sketch form current and projected uses of USG expanded metals, also was announced by U. S. Gypsum.

"George Nelson, AIA, is one of the country's foremost industrial designers," the company said. "His renderings dramatically illustrate new and unique uses that expanded metals offer to architects and product designers. Expanded metals, produced in aluminum or steel, are lightweight yet have exceptional strength. The ease with which they may be finished in color adds immeasurably to their decorative value."

ST. PAUL STRUCTURAL STEEL SCHOLARSHIP WON BY SCHUMACHER

Richard Schumacher, St. Paul Harding High School senior, was named winner of the \$500 engineering scholarship awarded annually by St. Paul Structural Steel Company. Mr. Schumacher will use his scholarship to study engineering at the University of Minnesota.

This year's ninth annual St. Paul Structural Steel Company scholarship winner is president of the National Honor Society at Harding, active in the camera club and student council, a member of the golf team and represented his school at Boy's State in 1957.



4424 EXCELSIOR BLVD. Minneapolis WA. 6-1841

FLOOR-TO-CEILING SLIDING MIRRORS NOW ON MARKET

A new idea, Signet Mobile Mirrors, floor-to-ceiling sliding mirror doors or walls for closets and other storage areas, have been introduced by the Carolina Mirror Corporation.

"By using large panels of mirror that reflect a major portion of a room, builders will be able to create a new dimension in space, giving small areas a feeling of greater height and depth," the company's president, Edd F. Gardner, said. "By reaching flush to the ceiling, the sliding mirror door eliminates the bare, functionless heading over con-



ventional closet doors, forming a reflecting wall area that links floor with ceiling. It transforms an unappealing and useless door area into



NEW!

from NEAL SLATE

... a new sliding-glass-door bulletin board for safe, clean posting of notices and important documents. Surface-mounting (with concealed fastenings) means no special provision need be made in wall—it can be installed anywhere. This Neal "model BB" bulletin board is heavy-duty designed for the tough use encountered in schools and public buildings, and is made of maintenance-free aluminum. Sturdy lock is part of sliding frame. Available with resilient cork tackboard, vinyl tackboard, or slotted felt with white plastic letters. . . Write or call us for details.

W. E. Neal Slate Company



Model "BB" bulletin board

1121 DARTMOUTH AVENUE S.E. MINNEAPOLIS 14, MINNESOTA FEDERAL 9-2783 a large mirror that literally doubles the charm of other accessories and, in many cases, may bring outdoor beauty into the room.

"The door adds to the top storage space in the closet. The large mirror provides additional background for furniture placement, since the sliding door disappears into the wall. It is a packaged product. The mirror door, framed in alumninum—in a choice of mat black, gold, or satin silver for the exposed frame—and equipped with all hardware for hanging, can be delivered to the building site in a single carton. Tests have shown that two workmen require only about 10 minutes to hang the mirror door on the track which would have been installed during the construction of the walls."

Carolina Mirror's address is North Wilkesboro, N. C.



include your convention.

"CHICAGO DYNAMIC" PRESENTED TO METAL MAKERS



Frank A. and Mrs. Austin of Minneapolis are shown here chatting with George E. Danforth, right, noted architect and chairman of the department of architecture at Western Reserve University during the convention of the National Association of Architectural Metal Manufacturers in Houston, Mr. Danforth, one of the principal speakers at the convention, presented the "Chicago Dynamic Story." Mr. Danforth is currently being retained by U.S. Steel to present the "Chicago Dynamic Story" to local AIA chapters. Mr. Austin, 1957-58 secretary of the NAAMM, is vice-president and general manager of Crown Iron Works. Minneapolis.

Members of the St. Paul and Minneapolis chapters will get a chance to see U. S. Steel's film during a showing in the Prom Ballroom in St. Paul on June 24, following an 8 a.m. breakfast for the joint meeting. A "Chicago Dynamic Workshop Manual" will be given those attending the showing and there will be a chance, too, for open discussion following the presentations.

DAY-BRITE ANNOUNCES PLANT EXPANSION

Day-Brite Lighting Incorporated has announced an expansion program for the firm's plant in Tupelo, Miss., to include complete facilities for Alzak processing of aluminum and increased painting capacity. Completely automatic equipment will produce up to 26,000 square

MURALS, PORTRAITS, other paintings. Substantial discounts to architects. Free catalog. Peyton Associates, 3816C Stebner Road, Duluth, Minnesota.

MAY-JUNE, 1958

feet of Alzak processed aluminum per three-shift day. Extensive quantities of Alzak are used in the manufacture of the PARALOU-VER and PARAFLO troffers as well as certain other products.

In expanding its painting facilities Day-Brite will install the company's latest electrostatic painting equipment.



HEBRON, NORTH DAKOTA

The Home of Permanent Building Material





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NORTHWEST ARCHITECT

Burnsville School Dakota County, Minn.

Haarstick Lundgren and Associates, Inc. Architects and Engineers St. Paul, Minnesola

Viking Construction, Inc. General Contractor Minneapolis, Minn.



Another PRIZE Winning Design Utilizes PRESTRESSED CONCRETE

ECONOMY-SAFETY DURABILITY-SPEED

A winner in the better school design competition conducted by "School Executive" Magazine, the Burnsville school near Savage, Minnesota has gained national recognition. PRESTRESSED CONCRETE CHANNEL SLABS of 12" depth spanning 32'-0" were used for 20,000 sq. ft. of roof area over the primary and elementary grade classroom wings. By this wise choice of a structural material, the architect provided his client with many advantages. The permanence of concrete construction, with its low maintenance and high fire protection, coupled with the low depth, light weight and high strength of Prestressed Design furnishes great economy, as well as construction speed. For "Prize Winning Construction" use PRE-STRESSED CONCRETE on your future structures.

PRESTRESSED CONCRETE, IN

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2582 LONG LAKE ROAD, ROSEVILLE ST. PAUL 13, MINNESOTA



Cinderella Chooses Redwood

Robert W. Sellen, Designer and Builder

Nestled in a wooded area of North Oaks is this charming Brittany Farmhouse—a touch of Provincial France combined with a sketch out of a book of fairy tales. Designer Sellen has mastered the technique of combining creative design and reasonable cost.

The housing market is starving for new design that is striking in appearance, yet warm and livable. It is up to the architect and designer to lead the way. Redwood is your most versatile and economical tool for creative design. Redwood bevel siding prices have been reduced 20% from last year's level to make it your best siding value.





BUILD WITH REDWOOD

The exterior of this home features a rough textured Redwood with rough battens that vary in width and spacing. ³/₄ x 12 bevel siding, rough side out, was used on the gable end.

I x 6, and I x 8 rough boards and I x 10 "3-Way Rustic" v-joint (one rough face), all with a fresh sawn face, are now stock items in many retail yards and out of our Minneapolis wholesale distribution yard. We also carry a complete stock of Redwood Plywood—ask for samples.

CANTON REDWOOD SALES CO.

Wholesale Distributors of Palco Redwood 221 West 78th St., Minneapolis, Minnesota BUILD WITH REDWOOD—THE WOOD ETERNAL

