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NORTHWEST ARCHITECT

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JANUARY-FEBRUARY, 1958

VOLUME XXII
NUMBER ONE

ANOTHER
Blue Ribbon
INSTALLATION

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ELECTRICAL CONTRACTOR: *Harris Bros. Plumbing Co.*
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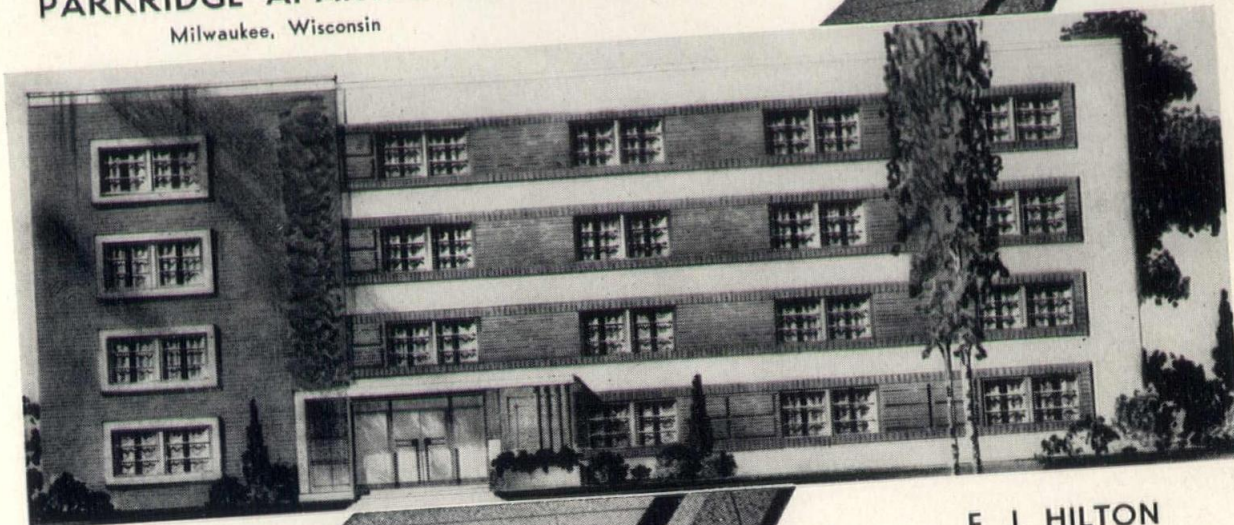
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FOR SPEED IN CONSTRUCTION AND ECONOMY

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MANUFACTURERS

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106 WEST BROADWAY

ST. PAUL PARK, MINNESOTA

JANUARY-FEBRUARY, 1958

NORTHWEST ARCHITECT

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VOLUME XXII
 NUMBER 1

1958

NORTHWEST ARCHITECT

... at FARNHAM'S ...
TWO NEW DEPARTMENTS
Specializing in Commercial and
Institutional Interiors

CUSTOM
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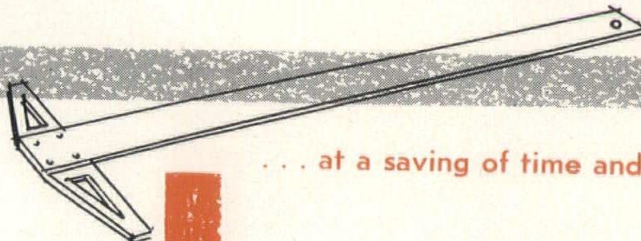
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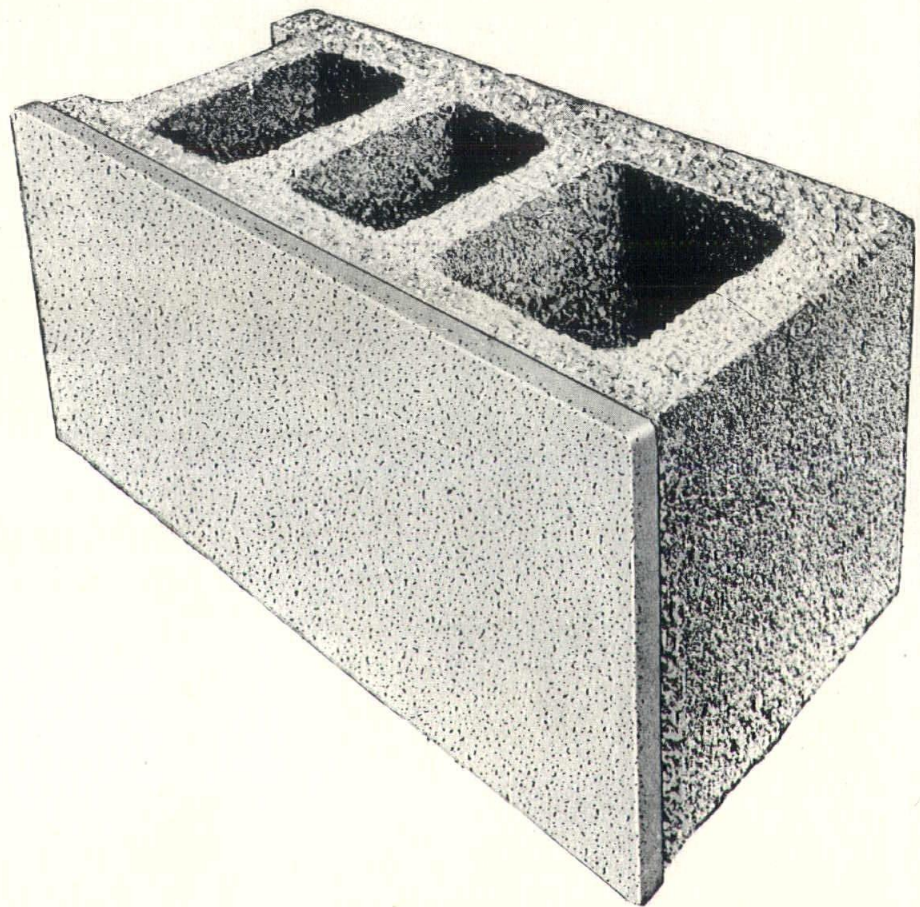
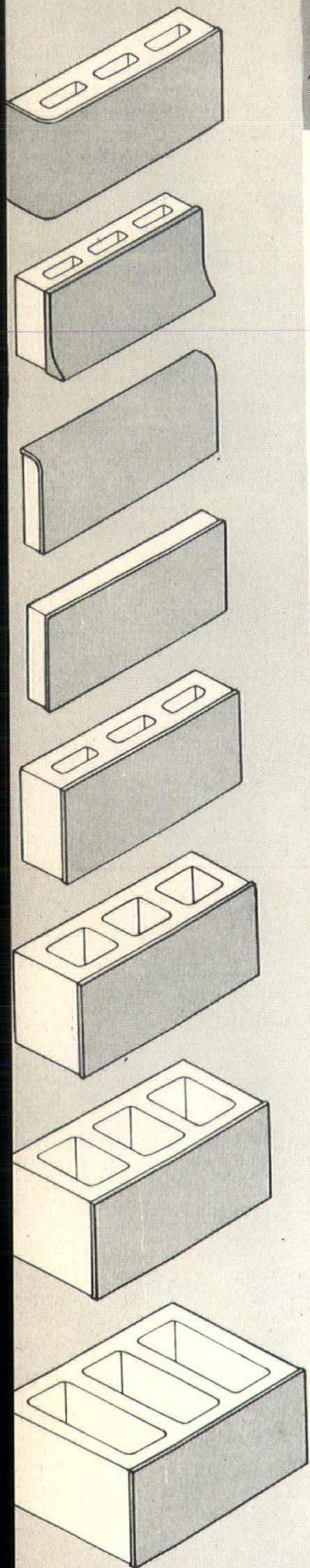
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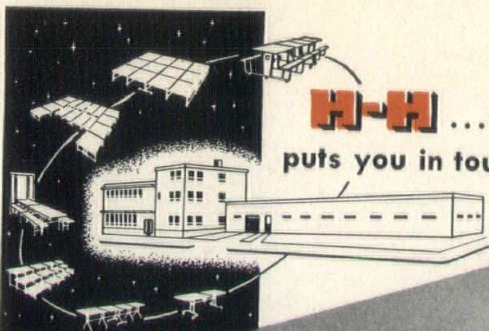
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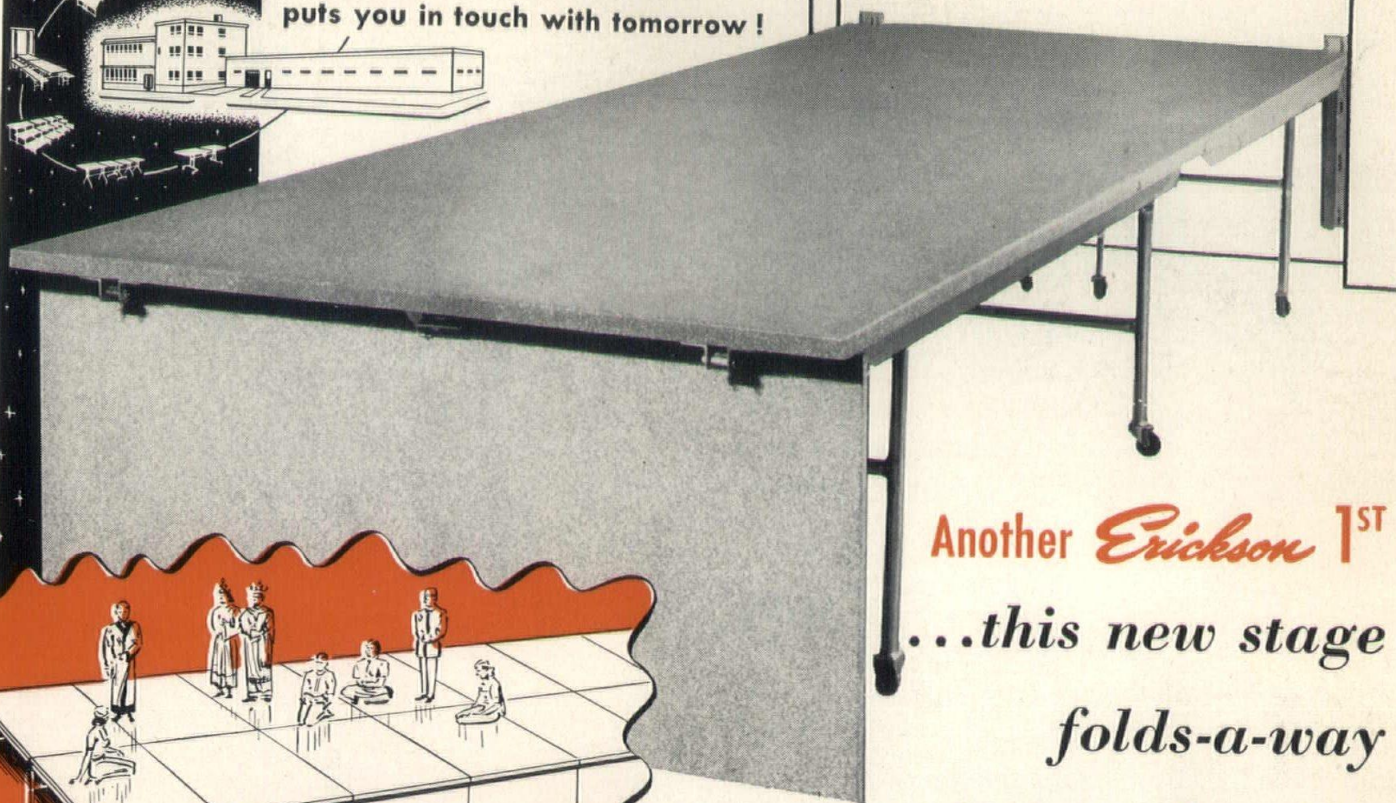
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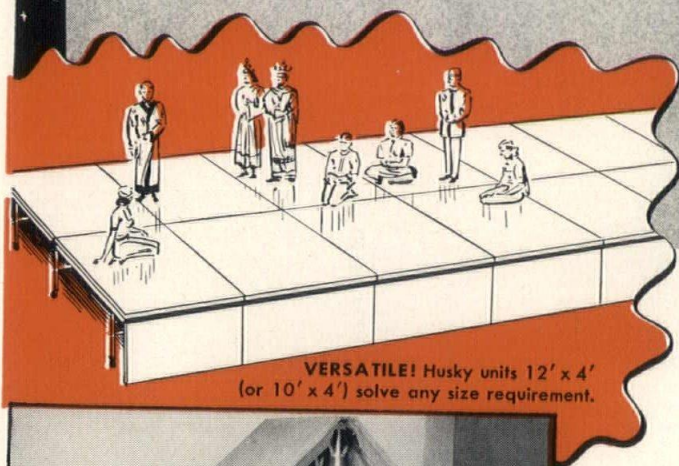


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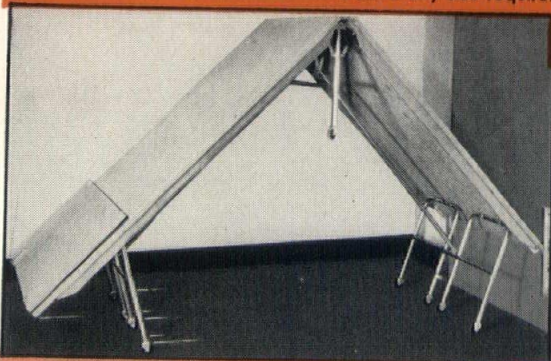


Another *Erickson* 1ST

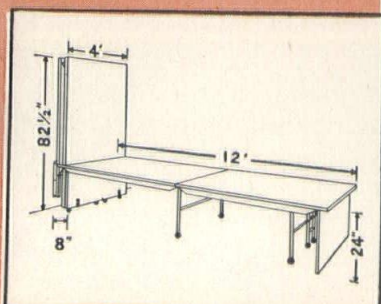
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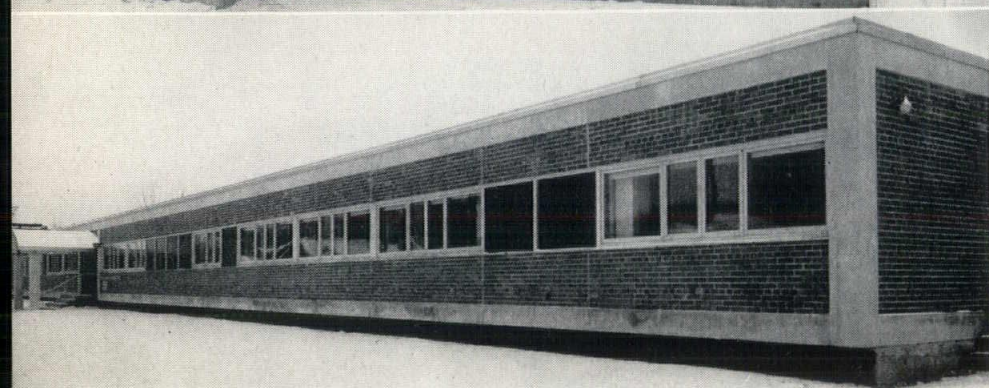
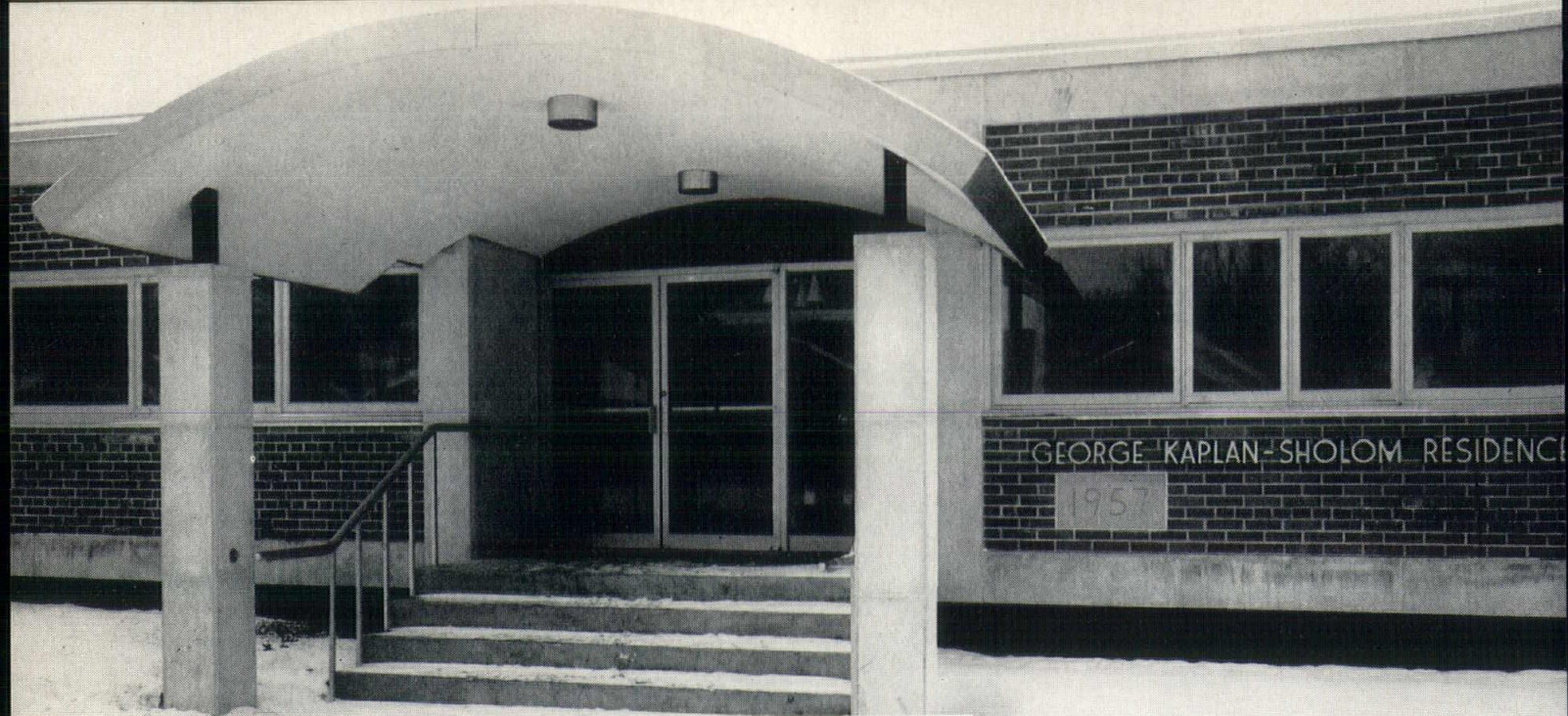
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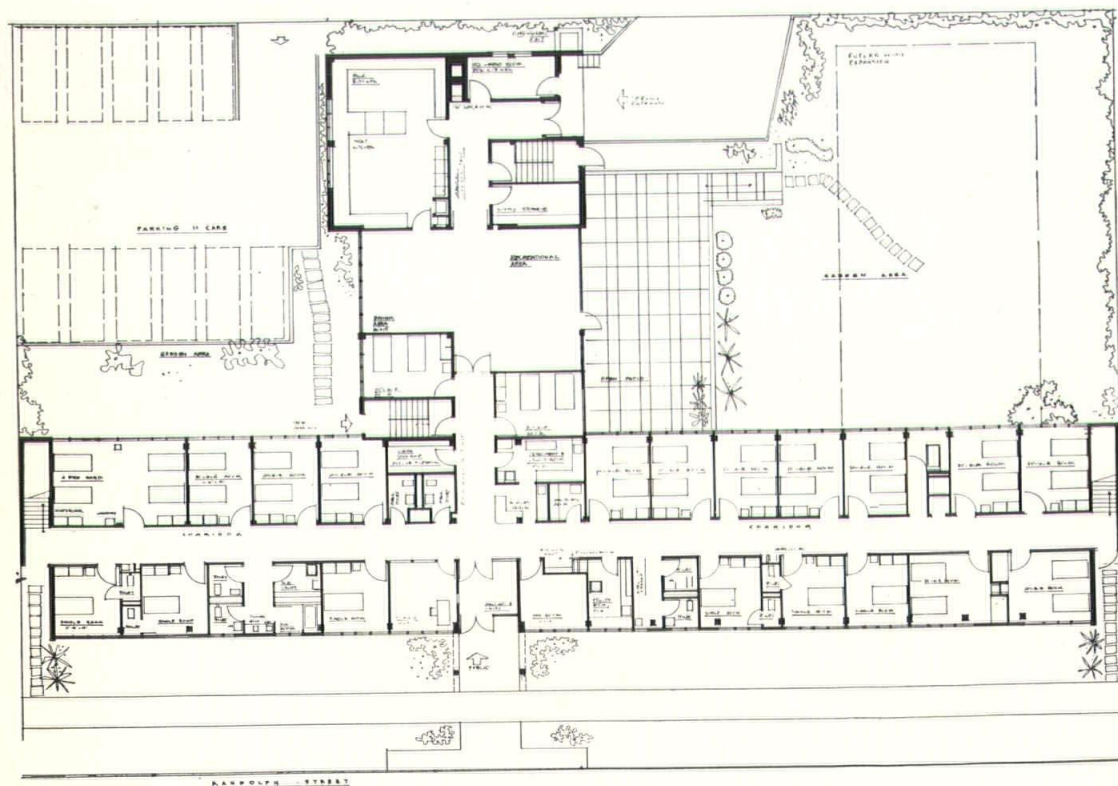
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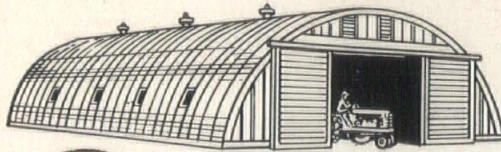
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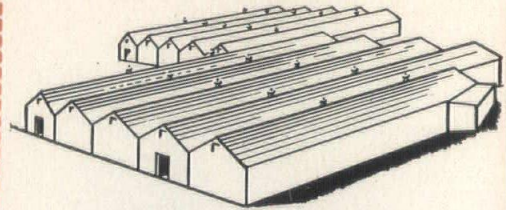
**WOOD CASEMENT
WINDOWS**

**WHERE
TO
GO
FOR
THE
NAMES
YOU
KNOW**

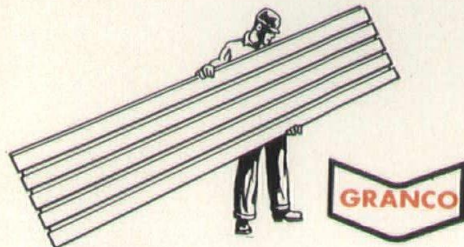


LOK-RIB STEEL BUILDINGS

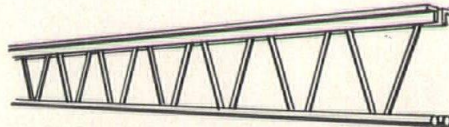
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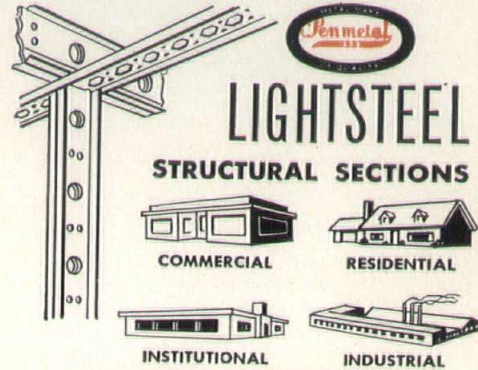
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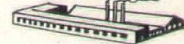
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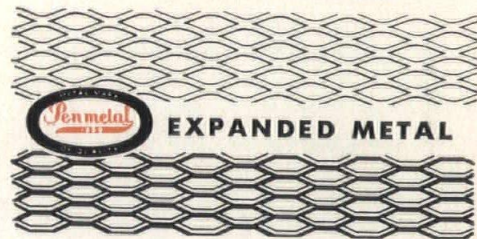
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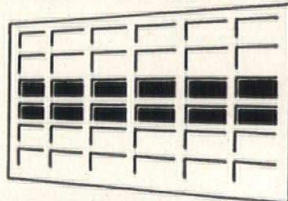


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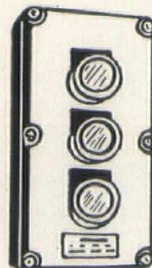
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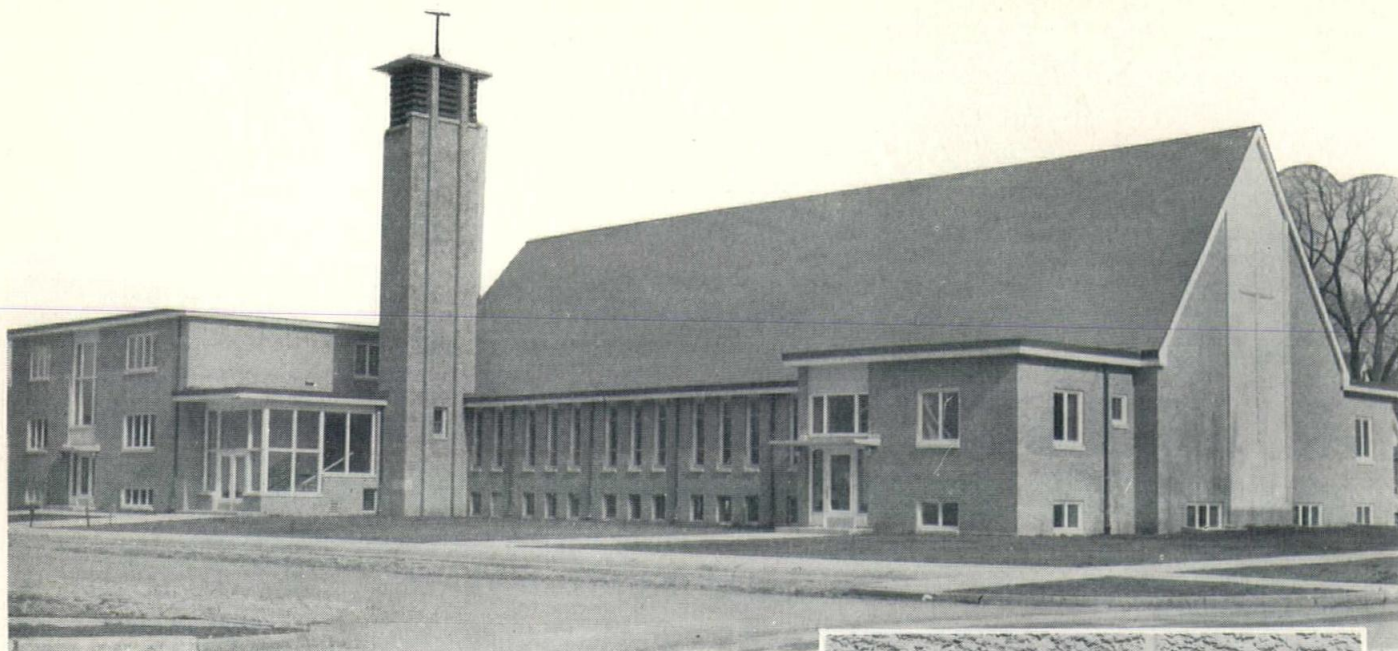
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Buff Hackberry Adds Distinction and Beauty

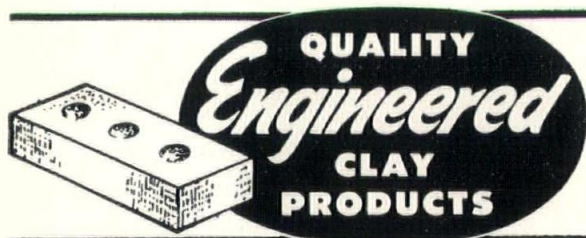


This new, graceful First Methodist Church is a model of design and beauty built of Ottumwa Chiefs, a lovely buff brick with its rugged, hackberry texture.

Any of these companies will be happy to send you color reproductions of Ottumwa Chiefs or any of the many other colorful brick and tile which they produce, including back-up tile, partition tile, face tile and acoustile.

Ottumwa Chiefs are a brick of surpassing beauty. This nature-colored buff face brick has a texture similar to the Hackberry Tree. It is coarse enough to provide the desired depths of horizontal shadows, yet fine enough to be self cleaning.

You'll find in the wide selections of striking color and textures in the brick and tile, made by these companies, the clay products for your new building.

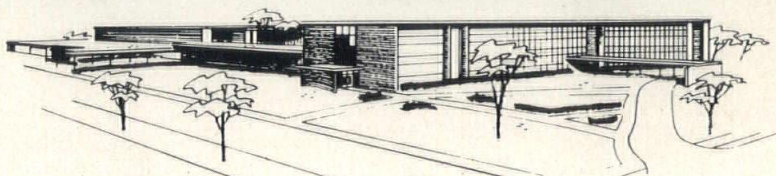


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"**Schooldays, schooldays**, good old golden rule days." But yesteryear's *reading, 'riting* and *'rithmetic* are now being replaced with *roominess, relaxation* and *radiance*. That's what one of the craftsmen at Crown Iron Works—who fabricated the building's structural steel—discovered about the new Bloomington High School, Bloomington, Minnesota.

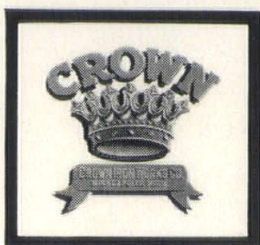
Today, going to school is almost nice. Roomy, functional shops, gymnasiums and laboratories—relaxing, colorful cafeterias and study rooms—radiant, well-lighted classrooms and offices, beckon to both students and faculty.

New materials and fresh concepts have "opened up" schools, as architects have discovered the functional beauty of exposed structural steel.

And at Bloomington High, as in many other of the area's schools, the structural steel was fabricated here in the heart of the Upper Midwest by Crown Iron Works.

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Architect: Armstrong and Schlichting, Minneapolis



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The Flour City window opens only by the window washer's key, to maintain controlled ventilation in air conditioned buildings, yet allows emergency ventilation should the need arise.

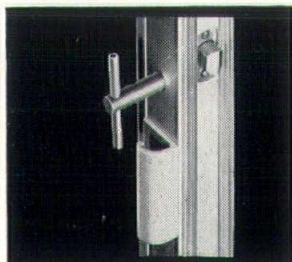
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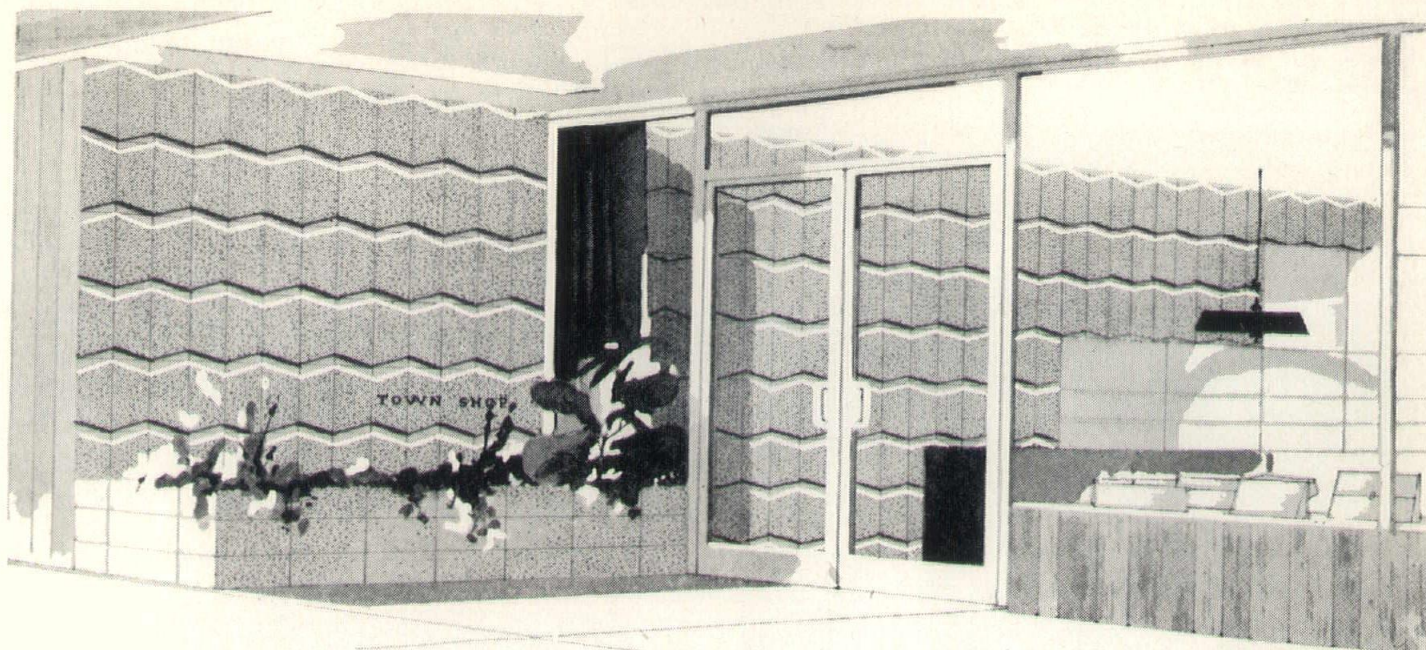
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SIXTY - FIFTH ANNIVERSARY

1958





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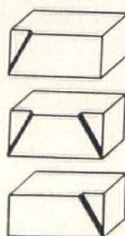
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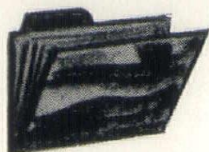
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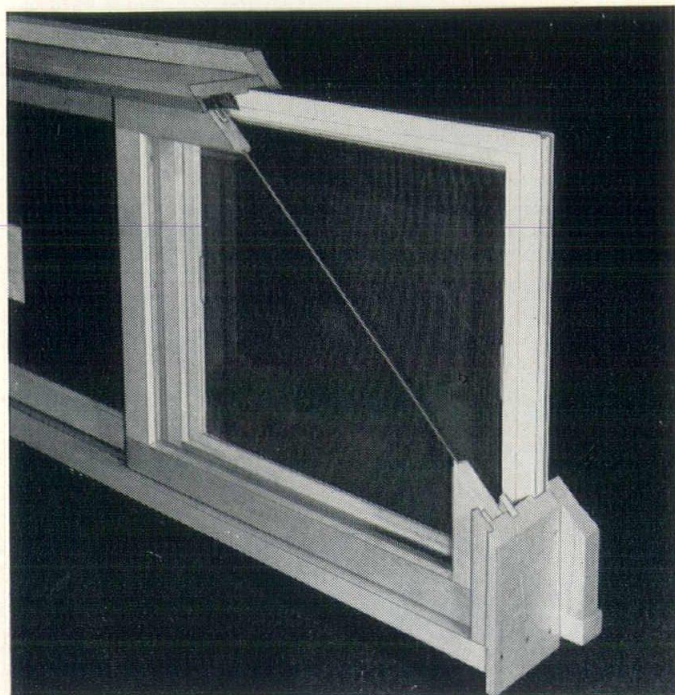
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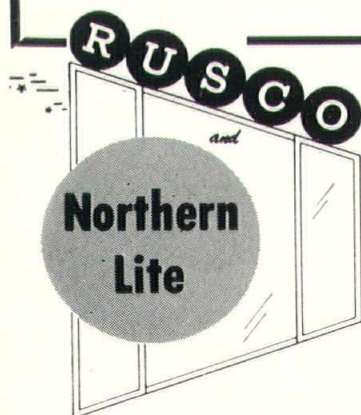
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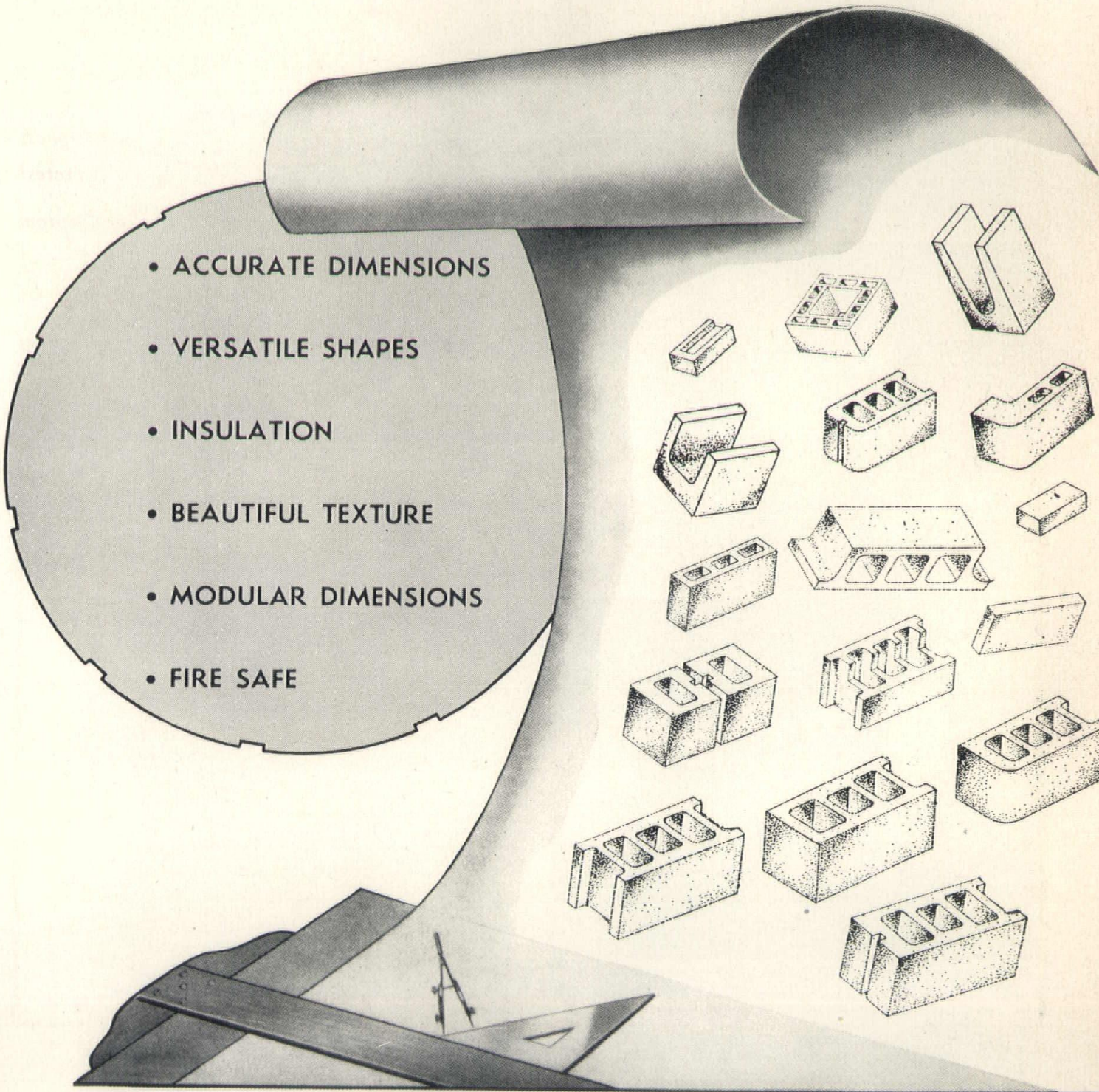
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WEst 9-6794

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NORTHWEST ARCHITECT

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 - MODULAR DIMENSIONS
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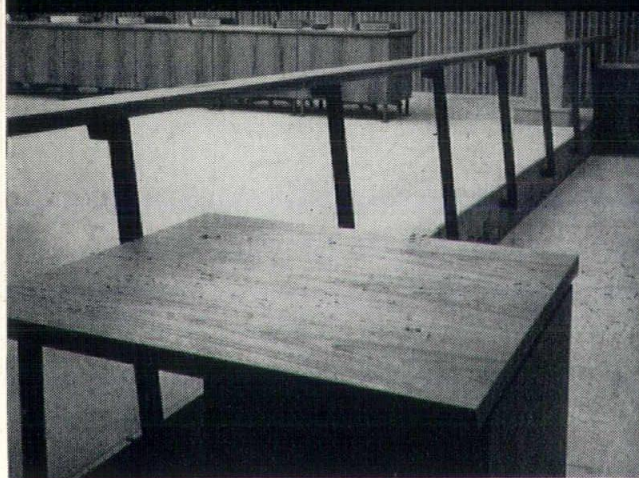
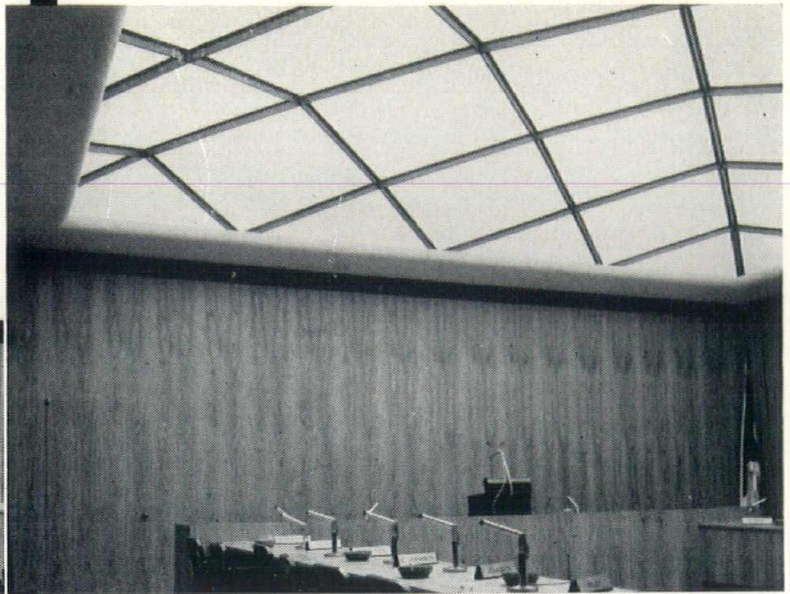
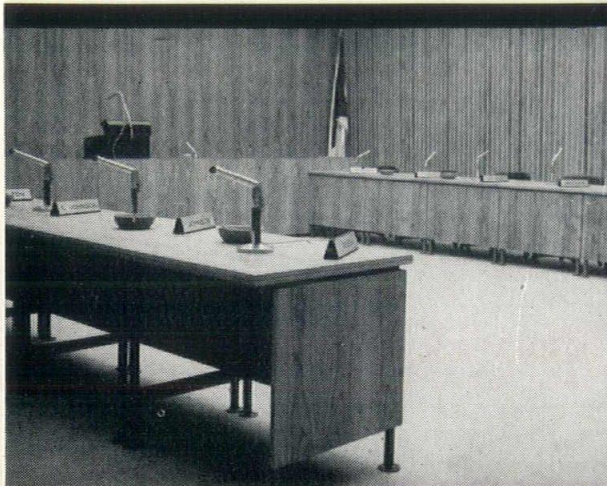
Minnesota Concrete Products Association

South Dakota Concrete Products Association—An Affiliate

JANUARY-FEBRUARY, 1958

Good Design Looks Better—Always!

The Council Chambers of the Minneapolis Court House have gained added dignity in the design of the rail posts, desk frames, grills and skylight members done in a statuary bronze. This is another example of the fine craftsmanship done by Minnesota Fence & Iron Works. Throughout the years this firm has served the architects, engineers and contractors of the Midwest in meeting all of their requirements.

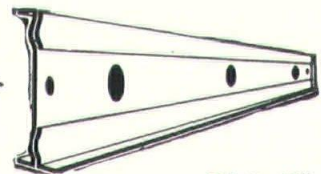
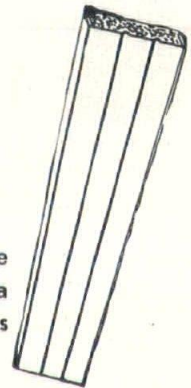


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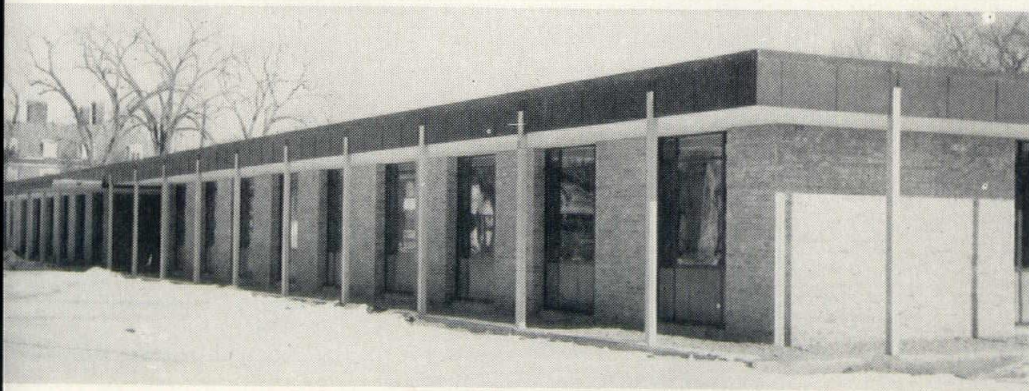


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ARCHITECTS
MINNEAPOLIS,
MINNESOTA

G. Clair Armstrong, AIA, Gordon A. Schlichting, AIA, John C. Torseth, Kenneth L. Skold.

The architectural firm of Armstrong & Schlichting was formed in 1944 by G. Clair Armstrong and Gordon A. Schlichting. Since that time the practice has grown and the staff has been augmented gradually until at this time it numbers approximately 20 persons. Engineering services are handled by consulting engineers outside the architect's office.

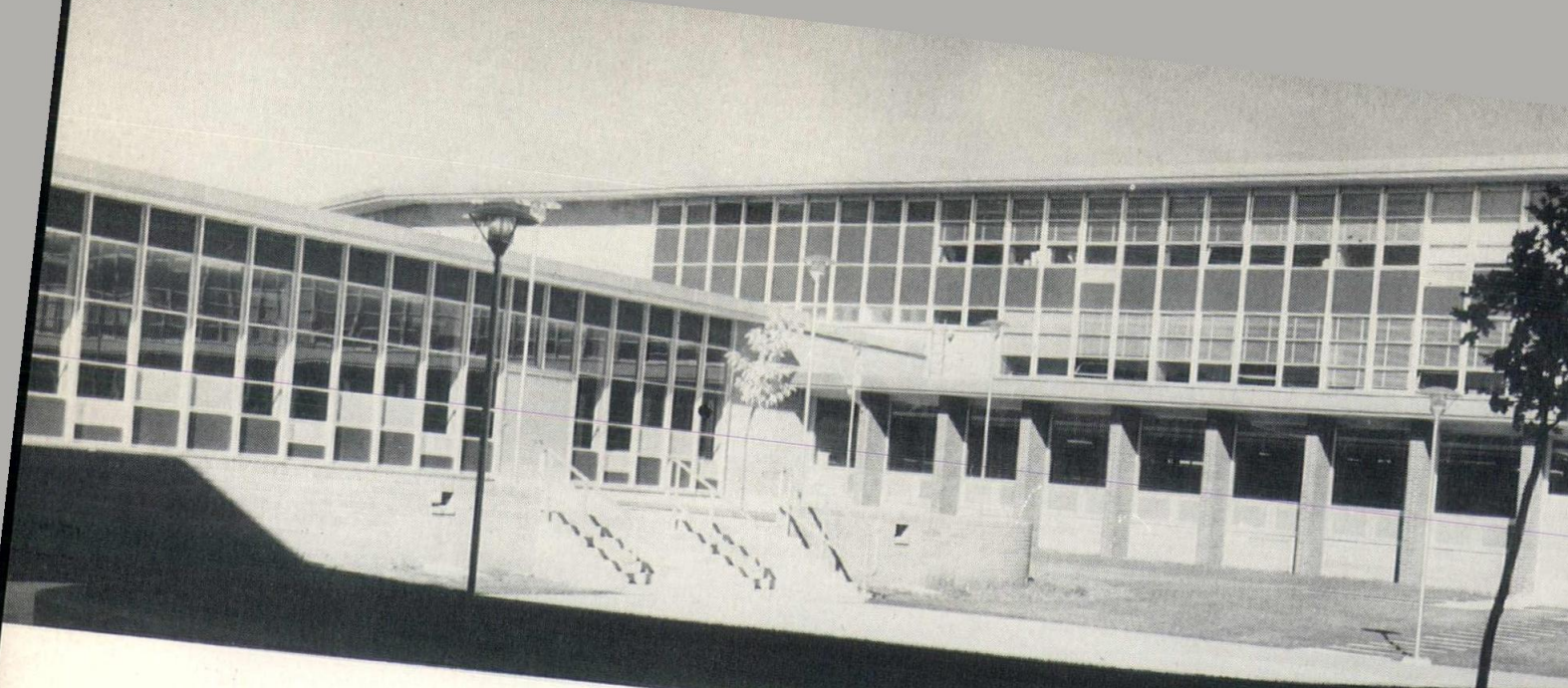
In 1956 the organization was altered by the addition of John C. Torseth and Kenneth L. Skold as associate members. The original partners and these two associate members now constitute the principal members of the organization.

The firm's practice is a general one but concentrates largely on institutional buildings, including churches, schools, hospitals, etc. The most important recently completed structure is the new Bloomington High School, containing approximately 3,300,000 cubic feet and covering about 230,000 feet of floor space. This project has been accepted for exhibit at the convention of the American Association of School Administrators

in St. Louis in February. Working drawings are underway for a new Junior High School for this same school district to be completed in 1959 for an enrollment of approximately 2,000 students. Scheduled for completion within the next few months are a new clubhouse for Golden Valley Golf Club, a hospital building in Warren, Minnesota, an addition to the old people's home in Mankato and church projects in Cambridge, Willmar, Litchfield, Hutchinson and several such structures in the Twin Cities' area. Also contemplated for beginning construction within the next few months is one of the housing projects in the Glenwood Redevelopment Area of Minneapolis, containing 278 housing units.

Since its inception, this firm has followed the principle of providing personal architectural service to all its clients and has maintained its personnel and size of staff on a scale that will permit this kind of service. The headquarters are in the firm's own building at 2722 Park Avenue in Minneapolis which is occupied entirely by the firm and provides spacious, quiet, convenient facilities for its practice.

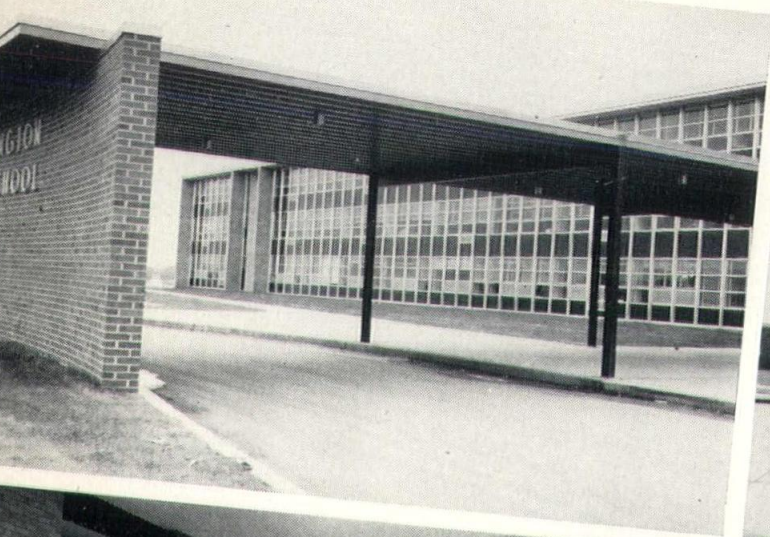
The material presented on this and the following nine pages is our monograph for this issue.



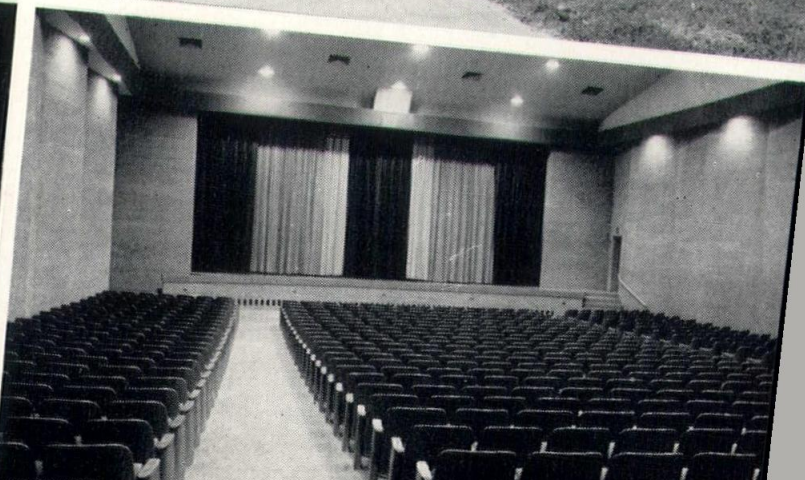
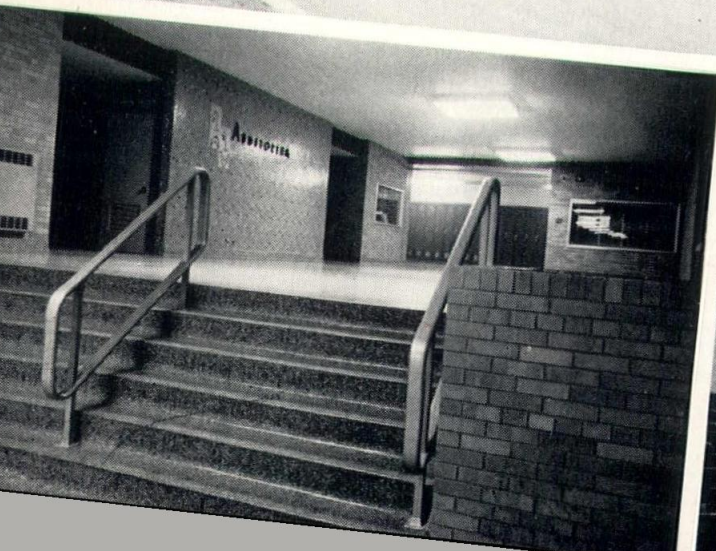
Interior Court

HIGH SCHOOL
BLOOMINGTON, MINNESOTA

Student Entrance
Auditorium Lobby



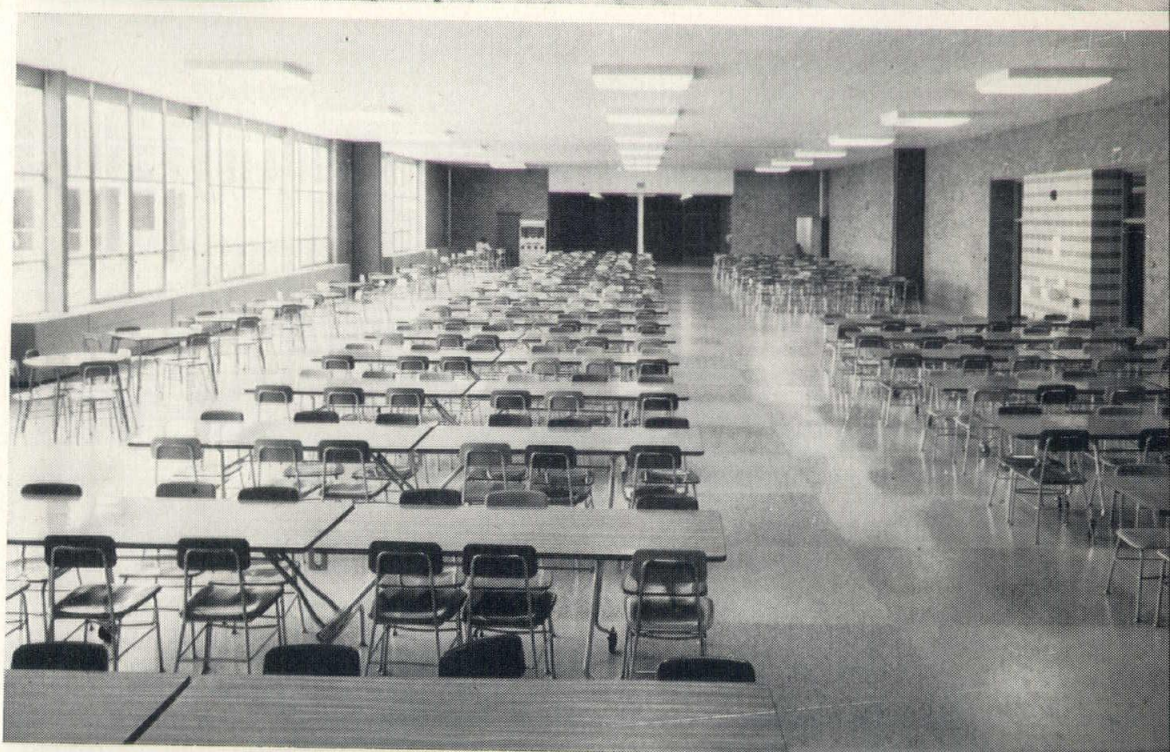
Main Entrance
Auditorium



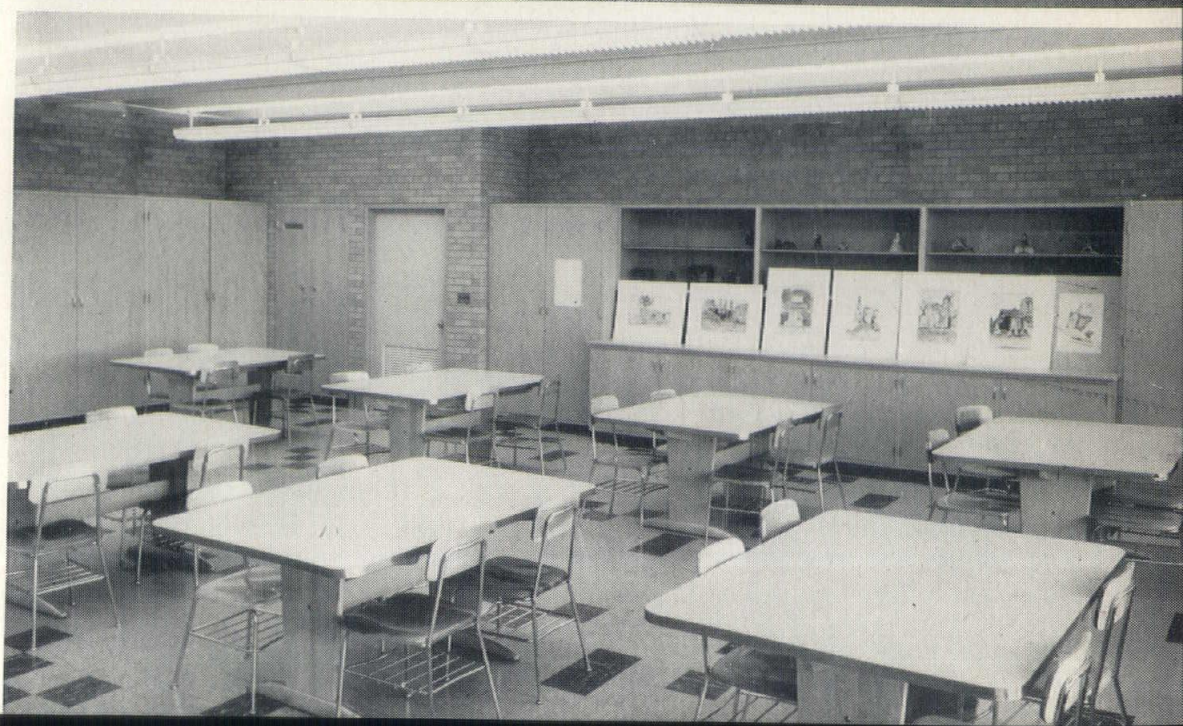
Gymnasium



Lunchroom



Art Room



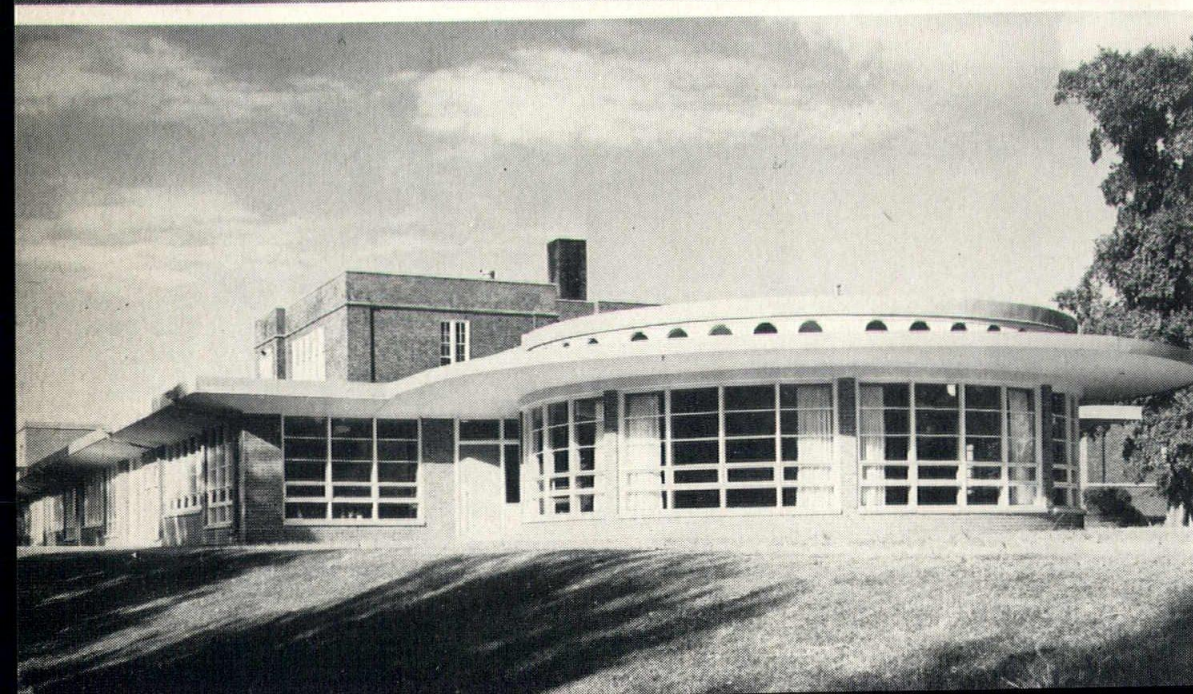
ELEMENTARY SCHOOL
BARNESVILLE, MINNESOTA



Entrance



Main Corridor



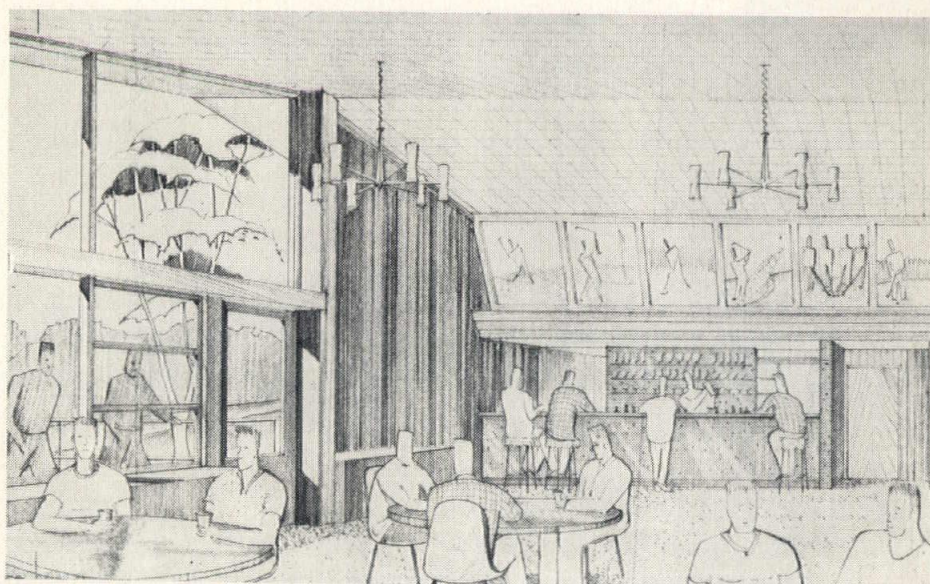
ADDITION TO
JOHN ERICSSON SCHOOL
MINNEAPOLIS, MINNESOTA

Exterior



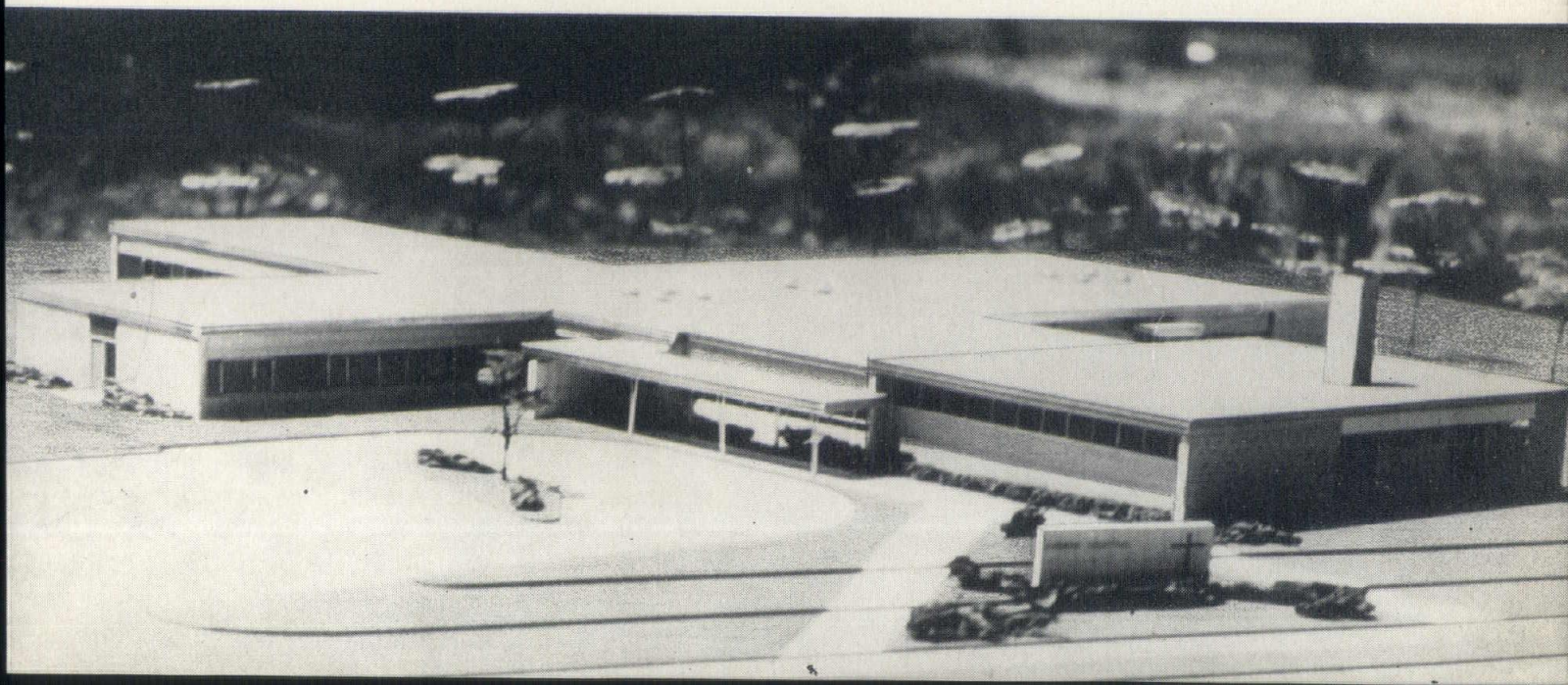
View from 18th Fairway
(Building under Construction)

GOLDEN VALLEY
GOLF CLUB
MINNEAPOLIS, MINNESOTA

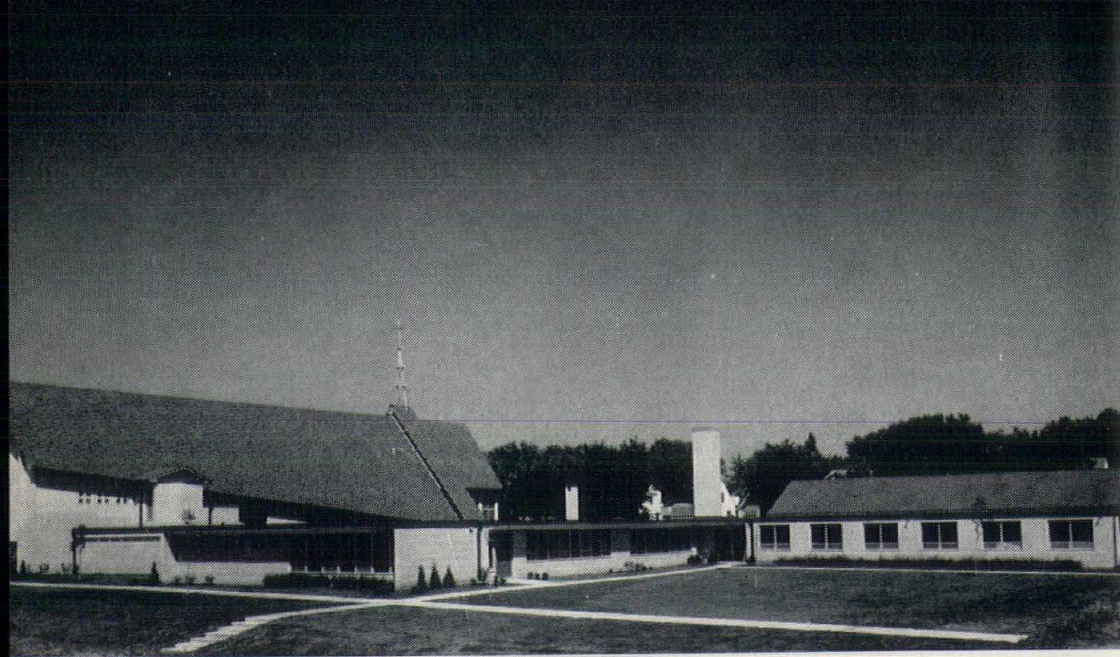


Men's
Grill

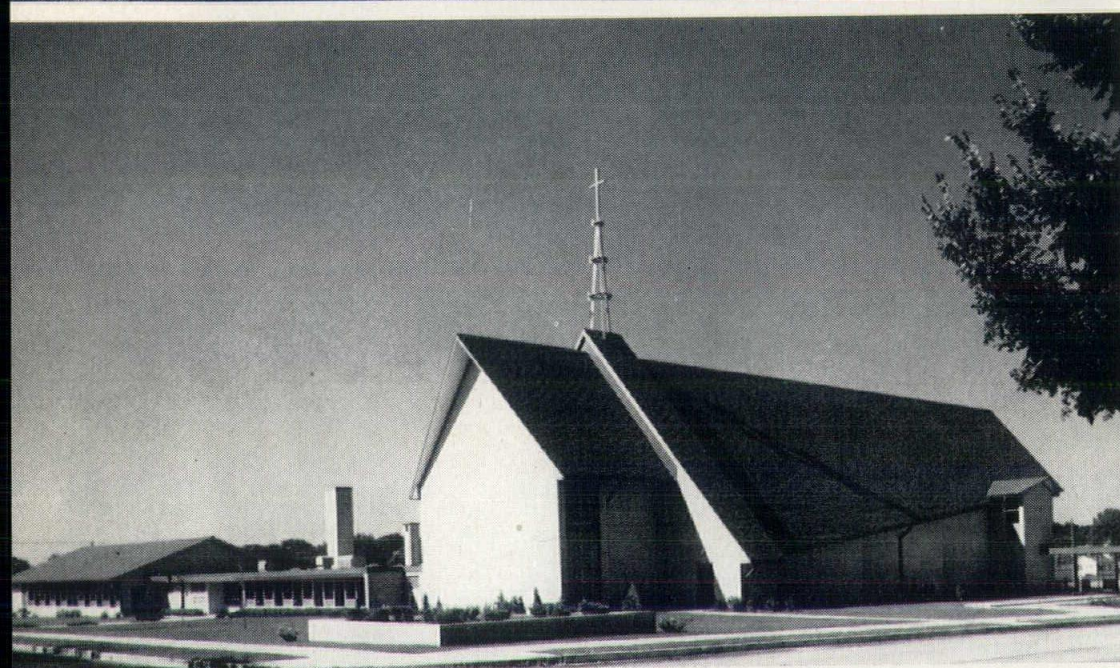
HOSPITAL — WARREN, MINNESOTA



BETHEL EVANGELICAL
LUTHERAN CHURCH
MINNEAPOLIS, MINNESOTA



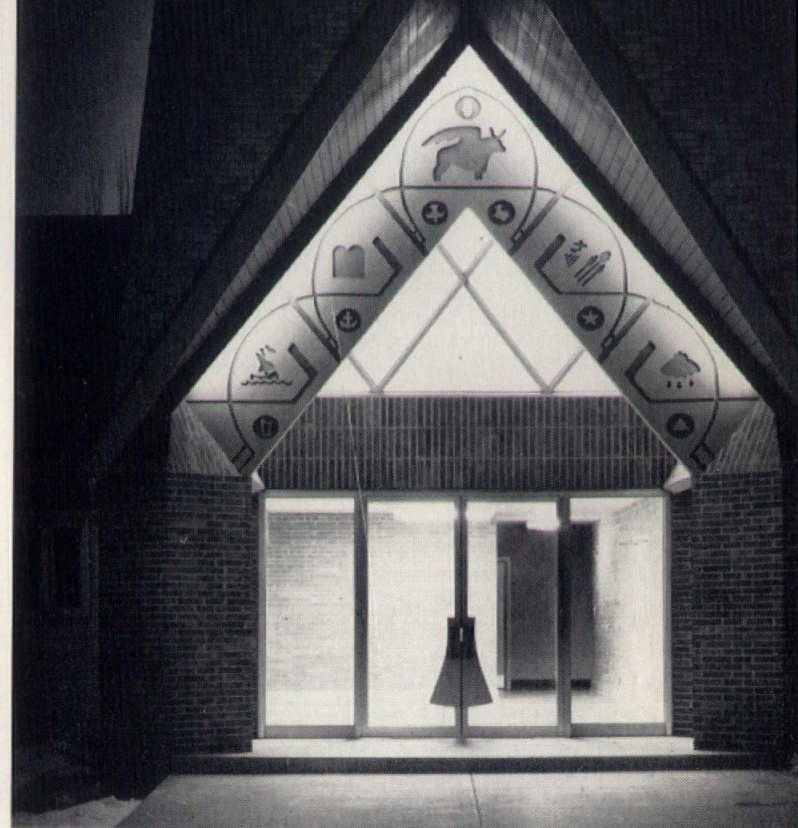
From Southwest



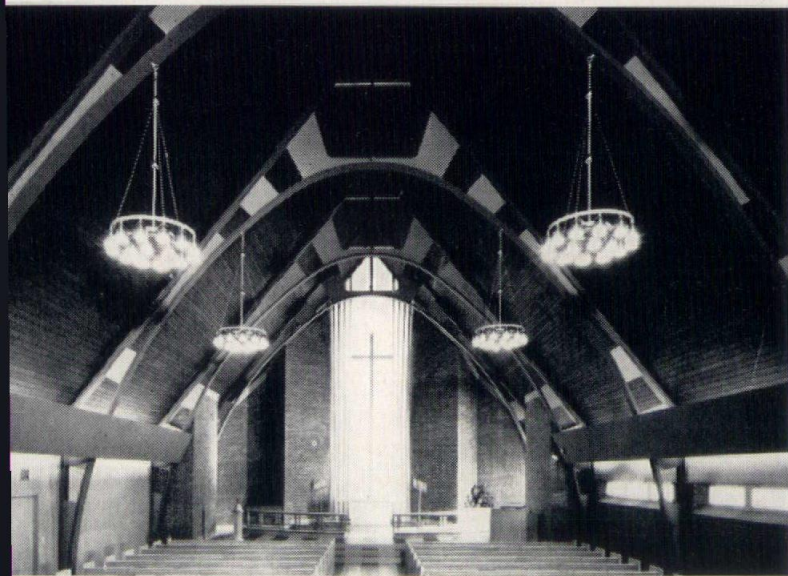
From Northeast



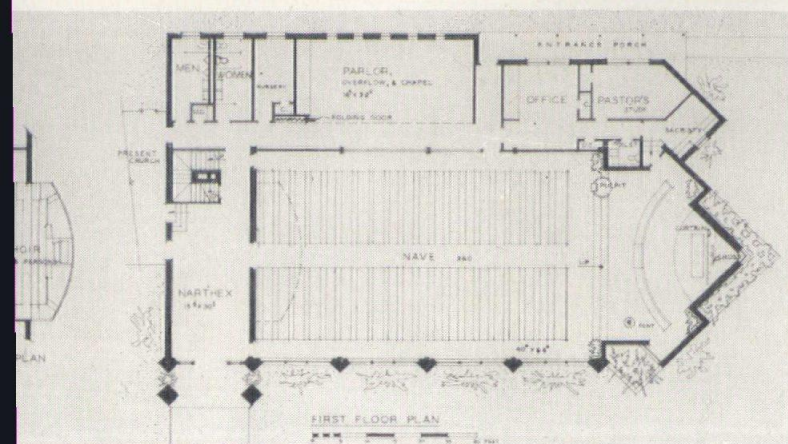
Sanctuary



Entrance

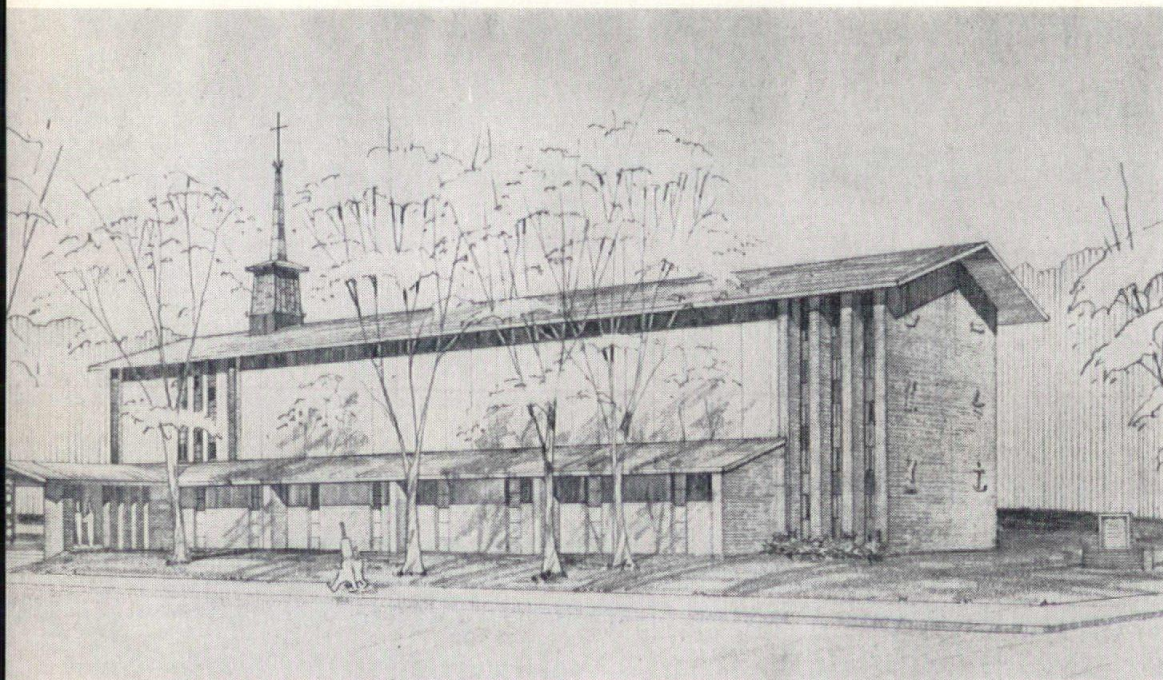


ST. LUKE'S
LUTHERAN CHURCH
ST. LOUIS PARK
MINNESOTA



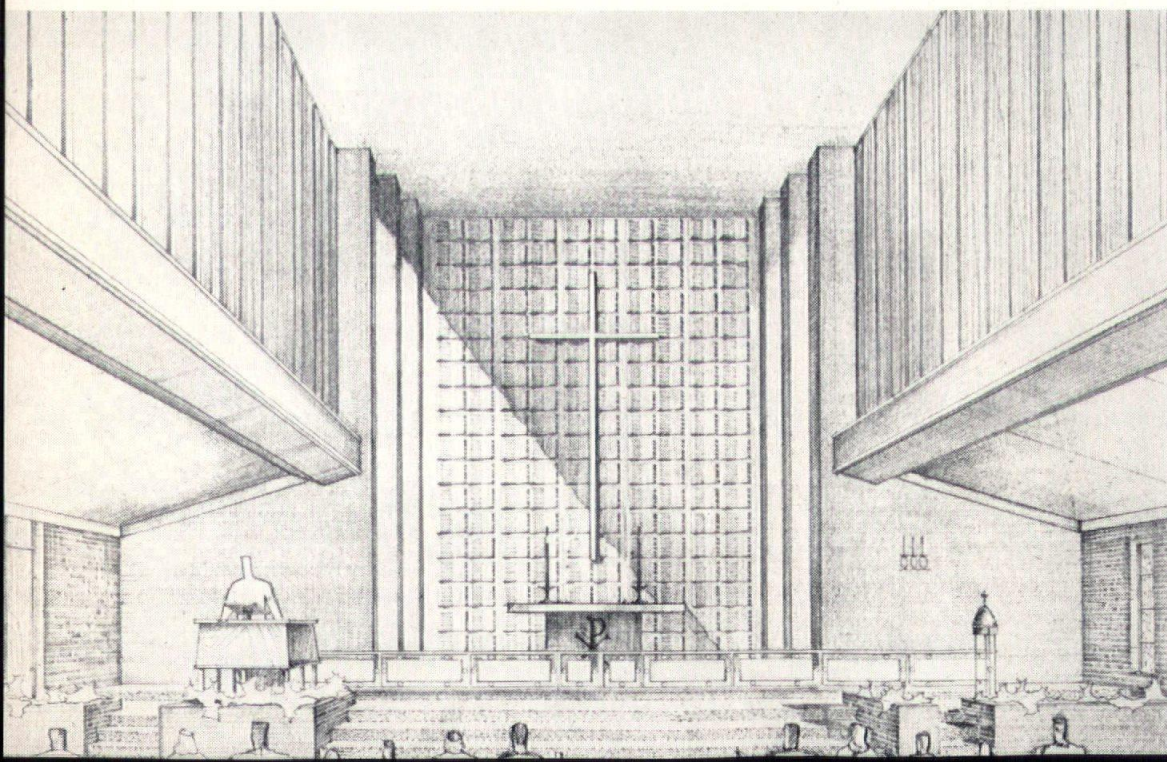


ZION LUTHERAN CHURCH
ANOKA, MINNESOTA



FIRST EVANGELICAL
LUTHERAN CHURCH
LITCHFIELD, MINNESOTA

Exterior



Chancel

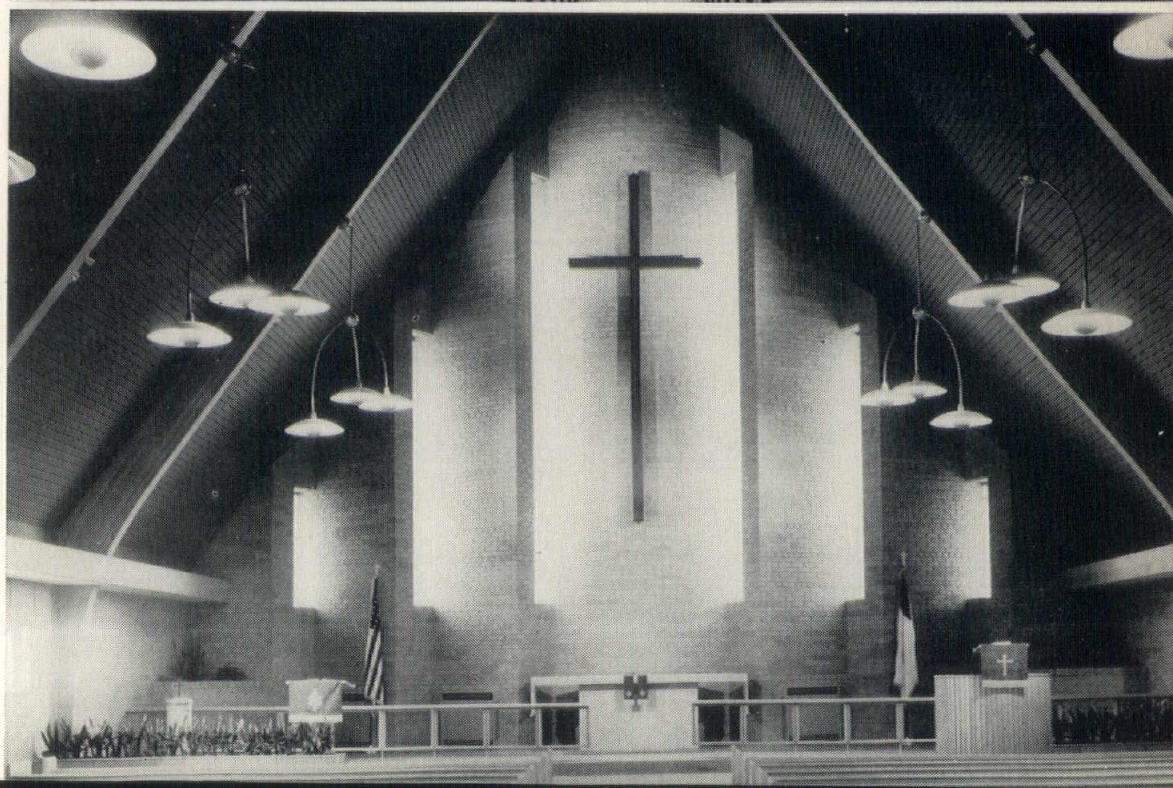
CALVARY LUTHERAN
CHURCH
ALEXANDRIA, MINNESOTA



FIRST METHODIST
CHURCH
HOPKINS, MINNESOTA



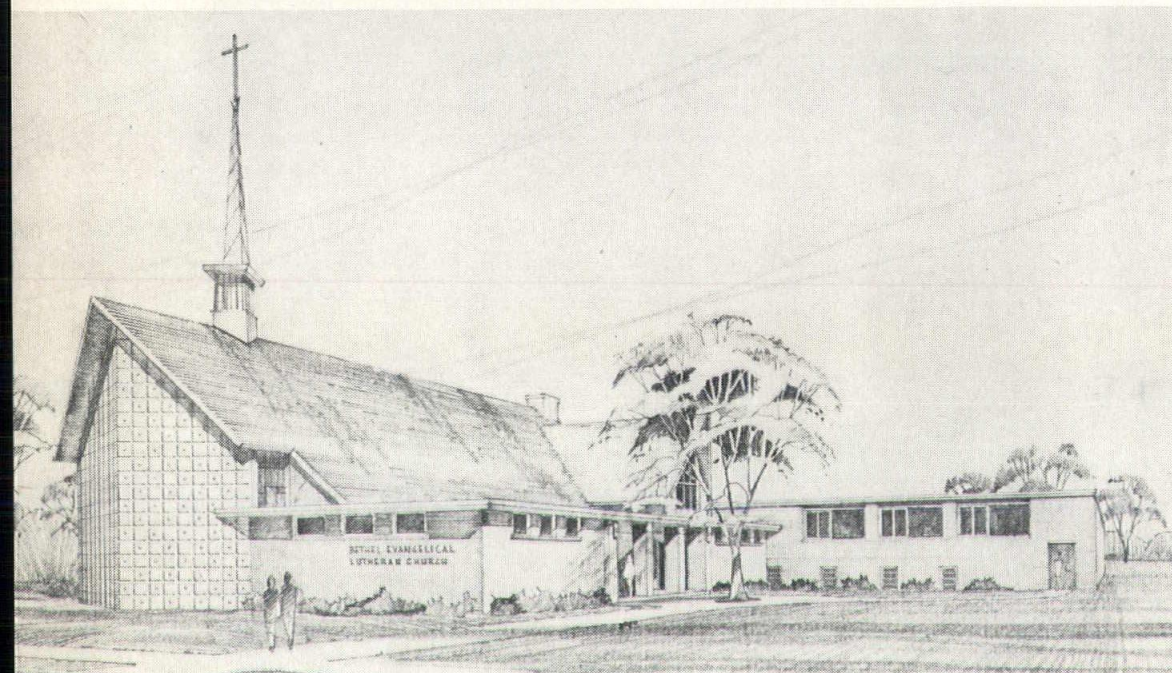
ZION LUTHERAN
CHURCH
COLOGNE, MINNESOTA



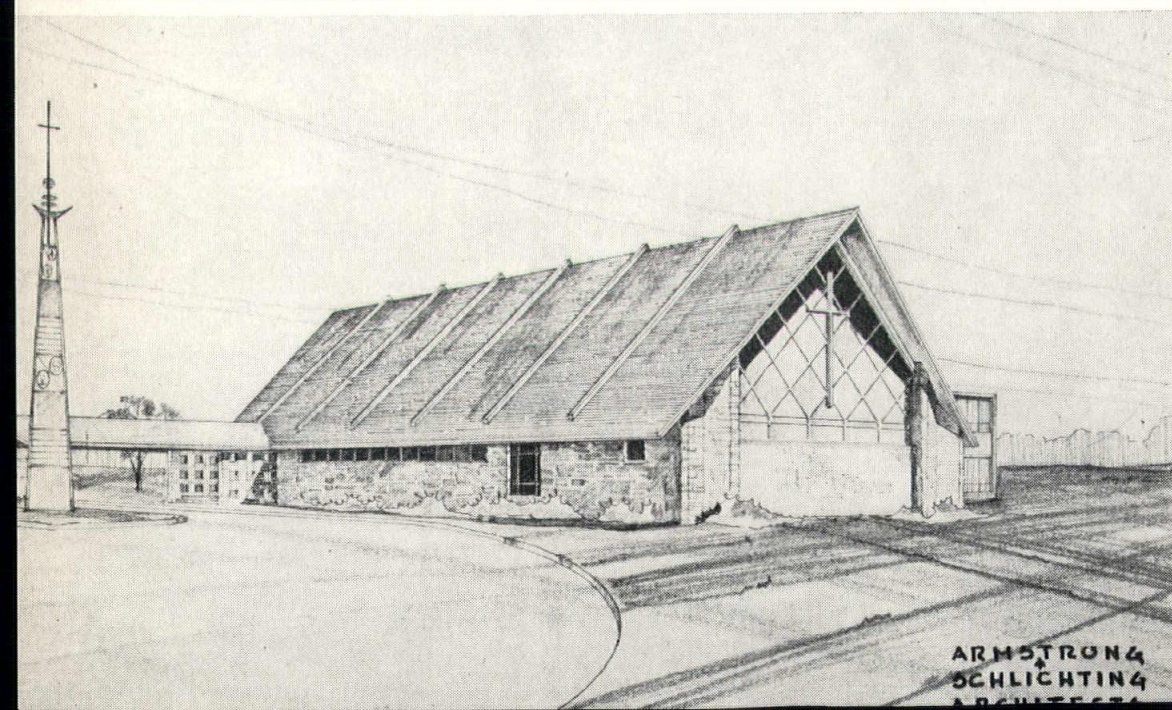
MT. ZION LUTHERAN
CHURCH
MINNEAPOLIS, MINNESOTA



BETHEL LUTHERAN
CHURCH
HUDSON, WISCONSIN



CROSS LUTHERAN
CHURCH
ST. PAUL, MINNESOTA



ARMSTRONG
SCHLICHTING
ARCHITECTS

GARGOYLE CLUB of ST. PAUL

By Ralph E. Smalley



Here are some of the Gargoyle Club's leaders (l-r) Ken Fullerton, 1928 president, Holger Mortenson, 1955 president, Tilford Moore, present president, and Ralph Smalley, club's first secretary (1913) and a past president.

In the summer of 1912 a young architect by the name of Herber A. Sullwold had considerable leisure, as most young architects do, to apply his talents to the social and cultural aspects of his profession. He gathered a small group of the then not too numerous draftsmen, including his friend, Beaver Wade Day, head draftsman in the Reed and Stem office, and discussed the idea of creating a club for architects and draftsmen. There was then, of course, and for several years more no chapter of the American Institute of Architects extant.

The idea crystallized in a meeting on November 13, 1912, in the Magee Hotel on the southeast corner of Fourth and Robert streets. The building remains although the hotel has long since vanished. At that meeting of the still unnamed organization were the following men, all of them later becoming architects except Smalley, who kept chiefly to the teaching end of the profession: Frank A. Abrahamson, Beaver Wade Day, Magnus Jemne, Hiram H. Livingston, Edwin H. Lundie, Fred A. Slifer, Ralph E. Smalley and Herbert A. Sullwold.

A second meeting was held in December and by the first of the new year a name had been decided upon and an organizational meeting took place on Monday, January 13. The name decided upon was "The Gargoyle Club of St. Paul" and the first officers were as follows:

President.....	Clarence H. Johnston
First Vice-president.....	Thomas G. Holyoke
Second Vice-president.....	Herbert A. Sullwold
Secretary.....	Ralph E. Smalley
Treasurer.....	Fred A. Slifer

Among others present, besides those attending the first meetings, were Guy E. Wiley, Edward Mohn and Carl H. Buetow.

The first press notice showed a customary variety of errors in spelling, the club itself being introduced under the extremely uneuphonious title of "The Gargogle Club." Of the years 1914 and 1915 no record remains other than a press clipping relative to a lecture by

Ralph Adams Cram in October, 1914, on the destruction of Rheims Cathedral.

In 1916, officered by T. G. Holyoke, E. L. Masqueray, Guy E. Wiley, George M. McCracken and Oliver Larson, the records begin to show an active interest in civic affairs. By 1917 the club had survived the throes of early infancy sufficiently well to consider incorporating and expanding. Articles were drawn up combining the offices of secretary and treasurer and naming four other members to constitute, with the officers ex-officio, a board of governors. The officers named were Beaver Wade Day, president, Guy E. Wiley, vice-president and Clayton C. Avison, secretary-treasurer. The other members of the board were Herbert A. Sullwold, Edwin H. Lundie, Oliver Larson and Orion Winford.

The reason for incorporating was to make feasible the owning of property, with the view of obtaining a clubhouse. This was sparked by the opportunity to acquire Cass Gilbert's charming little Bethlehem Presbyterian Church at Oakland and Pleasant Avenues and this was happily accomplished.

Another activity in 1917 was participation in the Winter Carnival. A competition was first held for the design of the club's entry, a dragon a hundred and twenty-five feet long. This "Crawling Wimpus" was made of fabric and light wooden hoops and duly wound its devious way in the carnival processions. Other activities were planned but the gathering war

This story of the origin and life of the Gargoyle Club arose out of a discussion between a member of our magazine's staff and Mr. Smalley during a meeting of the club on January 13. Mr. Smalley called attention to the coincidence of this date, January 13, 1958, with that of the first meeting of the club on January 13, 1913—45 years to the day!

clouds began to dim the horizon to the detriment of mere cultural undertakings.

Nineteen-twenty saw a release from war conditions and the returning veterans took up normal life again with a greater awareness of its desirability and with a renewed vigor. This was evident in the amount of press publicity during this and the following year or two. There was even a Gargoyle Club "Corner Devoted to Brevities Concerning the Members of This St. Paul Club of Architects and Draftsmen" in one of the local magazines. One of the brevities mentioned the nuptials of Alan Fleischbein and of Roy Haslund. A press clipping also reports how Art Hansen of A. Moorman and Company proceeded with his bride down the church steps following the ceremony to "the strains of 'Just Before the Battle, Mother,' played on a coronet by Jack Moore with Eddie Meindl and R. F. Palmer directing the orchestration with batons."—No mention was made of just how Jack performed on the "coronet."

Amusing incidents of the period were not all matrimonial. To quote a bit from the respectably long article gracing the front page the following morning, "Thirty prominent St. Paul businessmen fell into the clutches of the police when the Gargoyle Club, an organization of architects, was raided shortly before midnight. The police found a gambling game in full swing." The "gamblers" were building up a Christmas presents fund for the Good Fellowship movement. "... Patrolman Vall ordered everyone into the patrols waiting at the door. Following a ride around the block they were unloaded at the club again and a few minutes later it began to dawn on someone that the whole affair was a joke." Thirty years later the story appeared in the "News of Yesterday" column but only

the first quotation above was copied. The mitigating circumstances were omitted.

Nineteen-hundred-twenty-two, with Ed Noth heading a lively board, was another banner year productive of considerable publicity. The famous local cartoonist, Frank Wing, was even inveigled into attending a couple of meetings where his facile pen and nimble typewriter combined to give an amusing and vivid description of some of those participating in the event.

This ends the era of prolific newspaper publicity. The club continued on its happy, unpublicized way with no more brushes with the police until 1925, when it had its first and only serious internal disturbance. At the annual meeting the president, E. H. Lundie, had no sooner asked if there was any new business when Gerald Anderson jumped to the floor. He had heard rumors, he said, that certain members "had it in mind to violate the sacred bachelor refuge of the Gargoyle Club by the proposal of the name of a female for membership. He hoped that no such dilemma would occur." No comment ensued so Mr. Lundie proceeded with the business of the meeting. He stated that such an application had indeed been received and that the board of governors wished to have the reaction of the club before deciding for or against the lady.

Mr. Day then arose abruptly and made a few heated remarks which aroused Mr. Noth's ire and he took the floor. The fire in his remarks met with the disfavor of Mr. Sullwold, who gained the president's recognition. This conflagration ignited further fiery eloquence among the members, none of whom, however, was detrimental to the character of Miss Laura Weaver, the "female" applicant.

The unfortunate president, sans Robert's Rules, was



At the Gargoyle meeting our photographer took the pictures here, which we identify left to right in the numbered groupings—1—Jack Witherspoon, W. LaMont Kaufman and Bill Loomis . . . 2—Gerald Buetow, Gene Flynn, Orrin Field and Curly Roberts . . . 3—Ingolf Friswold, Del Corwin, Ken Fullerton and Mark Nelson . . . 4—R. A. Gmeinder, Bill

Ingemann, Ben Anderson and Herb Fogelberg . . . 5—Norbert Heldt, Dick McLean, Art Bryce and Harold Raak . . . 6—Ralph Smalley, Tilly Moore and A. L. Manion . . . 7—Arnold Melius, Carl Staeger and Tom Fuller . . . 8—Don Denzer, Tom Ellerbe and Dick Reinecke . . . 9—Tom Lynch, Don Wright, John Rickey and Rod Henslin.

caught unhappily in the verbal crossfire which continued unabated with increasing warmth and acrimony. Finally it was decided that each member should state then and there whether he thought that Miss Weaver should be admitted or not. Since many of the members were draftsmen in the office of Toltz, King and Day, where Mr. Day was the architect and Mr. Noth the head draftsman, they were in a most uncomfortable situation.

Finally it was proposed and, to the relief of everyone, agreed upon to table the motion for acceptance until the next meeting. Miss Weaver never did hear the result of her application for she existed only in the fertile imaginations of Mr. Day and Mr. Noth.

In later years there were more competitions and lectures by such eminent architects as Charles B. Magin- is, Electus D. Litchfield and Cass Gilbert. There were also many memorable and enjoyable meetings such as the one in the Como Park Conservatory under the coconut palms, these stately trees probably being astonished at having coconuts wired onto them. Then there was the instance when Mr. Kaufman was host at his hide-away on Grey Cloud Island, and the show was stolen by the rice filled Rock hens, one to each customer.

Then there was the atelier inspired by Mr. Mortenson, complete with ecole, library and instructors, including the beloved Monsieur Arnal, but, like many another such gallant attempt, this was found to be a bit too onerous following a busy day spent in professional drafting.

Possibly the club has become too comfortable in its unique position of comparative wealth and has settled down to the enjoyment of its purely social advantages. After all, forty-five years of continuous activity should permit some degree of decrepitude. It is to be hoped, however, that the ideals and ambitions of forty-five years ago remain untarnished and undiminished and will find new and more vigorous expression in the fine young men who are privileged to become members of such a fortunate organization.

NATIONAL SCIENCE FOUNDATION GIVES AIA CONFERENCE FUNDS

The National Science Foundation has given the American Institute of Architects funds to conduct a conference to identify neglected areas of basic research in architecture.

Plans for the workshop-conference, to be held in Washington next fall, are being prepared by a steering committee composed of authorities in fields most directly related to architectural requirements, the headquarter's announcement said. Members are Dr. Robert King Merton, Columbia University sociologist, Dr. Albert H. Hastorf, Dartmouth College psychologist, Dr. C. P. Yaglou, Harvard University School of Public Health, Myle Holley, MIT structural engineer, and Walter E. Campbell, AIA, Boston architect and chairman of the AIA research committee.

Steering Committee Chairman Campbell reports this important three-day, interdisciplinary conference to be the result of initial investigation by the AIA depart-

ment of education and research, which will also coordinate the program with a meeting on building science research, to be conducted by the Building Research Institute.

Approximately 30 experts from all parts of the U. S. will be invited to participate in the AIA workshop-conference "to determine the relationships of the physical, biological and social sciences in the problems of optimum created environment for human activities." Areas of needed research, present facilities and extent of present basic research, methods of financial support for composite study as well as independent fields and methods of sharing findings, are among the objectives of the conference.

Du PONT GRANTS INCLUDE NORTHWEST SCHOOLS

Grants totaling nearly \$1,150,000 have been awarded to 135 universities and colleges in Du Pont's annual program of aid to education, the company has announced. The total for the next academic year is about \$100,000 more than Du Pont contributed for this school year. Most of the increase and more than half of the entire program are grants to colleges and universities for strengthening the education of scientists and engineers. These grants will support the teaching of science and mathematics as well as other subjects. At the same time, grants for fundamental research are being continued, as are grants for fellowships, which once made up the entire plan. Du Pont's program dates from 1918.

Among the grants made were a number to universities and colleges in this part of the country. They included—\$15,000 grants for fundamental research in science to the universities of Minnesota and Wisconsin—postgraduate fellowships in chemistry to the University of Minnesota and State University of Iowa, in chemical engineering to the Universities of Minnesota and Wisconsin and biochemistry to Wisconsin—postgraduate teaching assistantships in chemistry to the University of Wisconsin and Iowa State College—and a grant in chemistry to Iowa State College.

PORTLAND CEMENT ASSOCIATION GOES ELECTRONIC

The Portland Cement Association has put into operation a two-unit electronic computer in its Chicago headquarters. The "electronic brain" is being used to prepare programs for design of concrete pavements, structures and material for design manuals. These will in turn be made available to engineers and architects, enabling them to save time and manpower in design, officials said.

The computer will enable PCA to speed development of comprehensive design charts and manuals on a variety of problems in design of structures and highways. Such manuals in the past have required many months and even years of computation by Association engineers. The computer is expected eventually to reduce such work to a matter of weeks.

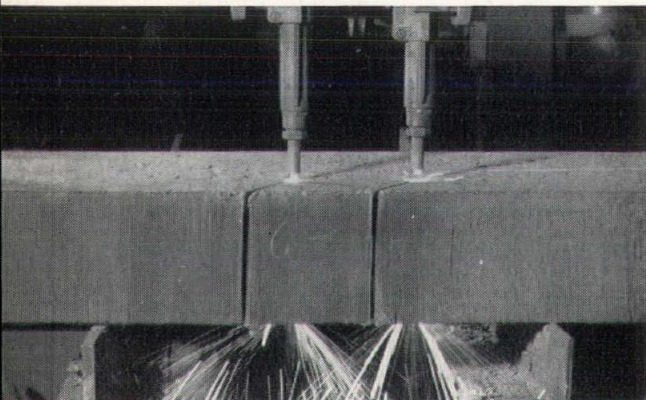
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3. NEW JUNIOR HIGH SCHOOL RISES IN COON RAPIDS. This new Junior high school in Coon Rapids, Minnesota will fill a vital need for more classroom space. Due for completion in September, 1958, the school will accommodate 1,000 students. The structure will include a library, lunchroom and gymnasium as well as classrooms. PACAL supplied more than 300 tons of structural steel for the Coon Rapids Junior High. It is one of many midwest schools being constructed with PACAL steel.

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UNIVERSITY OF MINNESOTA CAMPUS PLANS STIRRED UP BY VISITING ARCHITECT

Comments criticizing the proposed "1970 Plan" for the University of Minnesota's main campus by visiting architect Serge Chermayeff, who teaches in Harvard's graduate school of design, coupled with rebuttals by Winston Close, university advisory architect, President J. L. Morrill and Malcolm Willey, chairman of the committee which helped develop the new campus plans, pulled the expansion plans for the university out into the spotlight recently. All-in-all, it brought the plans to the attention of a lot of people and perhaps Mr. Chermayeff's gad-fly value lay in clearing up some points for some citizens.

The exchange of words started when Mr. Chermayeff, in Minneapolis to give several lectures on and off the campus, commented on the overall plan that it was "lamentable. . . . It divides what it should consolidate." In an interview with the Minneapolis *Star* the architect elaborated his critique of the plan. Roughly, the basic plan calls for extra campus to the west of the Mississippi River, where land is cheaper, with the present campus and the expansion area linked by a double-deck bridge where the ancient Washington Avenue Bridge now stands. The new bridge would have a pedestrian level, perhaps with moving sidewalks to hasten traffic, and a lower, vehicular level. Classes in the buildings on both banks would be planned so the large College of Science, Literature and the Arts would serve not only its own thousands of students but also those of other colleges who take special work in its classes.

"A non-profit institution can not afford the luxury of a mechanical sidewalk," Mr. Chermayeff was quoted. "To make a walk and then eliminate it is an extraordinary thing to do." He said he would rather see such money spent on a professor's salary for teaching. Pointing out that he considered the Minnesota campus already is enormous and the between-class "pull" is great, he suggested that "it would be very much better to make the campus as crowded as possible rather than stretch it." He recommended that the campus buildings be placed to the east of the principal section of the campus as it now stands, where athletic buildings now occupy the land.

In dealing with campus traffic the architect said that by-passes were important and that the proposed bridge might bring right into the campus a lot of unnecessary and very undesirable traffic. "We suffer from this at Harvard," he said. "Twice a day everybody who doesn't belong there takes a shortcut through the Harvard campus." He also proposed utilizing the lower lands on each side of the river near the campus "for people." On the west that would lead to construction of towering apartment buildings where the coal and other river docks now stand for the view along the river would be outstanding. These would house students and faculty.

The new classroom and office buildings suggested by Mr. Chermayeff for construction in the area of the athletic buildings would be tall, with circulation, much of it covered, confined to the lower levels and offices, classrooms and laboratories, etc., on the upper floors.

Response to Mr. Chermayeff's comments in the newspaper were prompt and pointed. Win Close, as advisory architect to the university, commented that the Chermayeff rough plan was similar to several which had come out of a student problem at the university several years ago and which had not proved feasible.

"For economic reasons it is not possible to destroy usable buildings, including the stadium, and further concentration on the east side of the river is inadvisable in any case. Local street capacity in this area is already overtaxed." He pointed out that Mr. Chermayeff did not have an opportunity to talk with any of the actual planners of the 1970 campus projects before he made his comments for publication.

Continuing the access discussion, Mr. Close said that the river and railroads eliminated many traffic channels which might otherwise be constructed and therefore "the access problems can be solved only by placing a segment of the university family on the west side of the river."

Educational considerations were placed first in working up the present plan, Mr. Willey pointed out, saying that "we know today there are approximately 25,000 student stations (classroom seats or lab spaces) on the campus and by 1970 we must have another 25,000. In a general way that means about 31 additional buildings like Ford Hall."

Mr. Willey warned that the additional students will be on the campus in only 12 years, cutting short the planning and construction time.

"Time is of the essence," he said, "and plans must be quickly translated into buildings so students can be instructed."

"It must also be remembered that ultimately some 40 acres are to be used on the west side of the river for development there of the educational facilities, exclusive of dormitories. The area of the stadium and practice fields to the east of the present instructional zone totals only 17½ acres. Prof. Chermayeff does not make it clear how the gap is to be bridged.

"On the west side land is available sufficient to provide space by 1970 equal to 14 Ford Halls and to do it so that the flow of students from class to class will be as quick and easy as possible. Such flow can not be achieved if buildings for instruction are over four stories high. That is why proposals to build tall structures on the east side of the river for instruction were rejected."

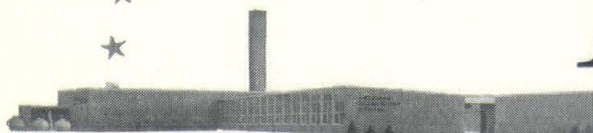
The plan also calls for a reduction in traffic congestion on the campus, Mr. Willey said, with use of



Forest Lake School



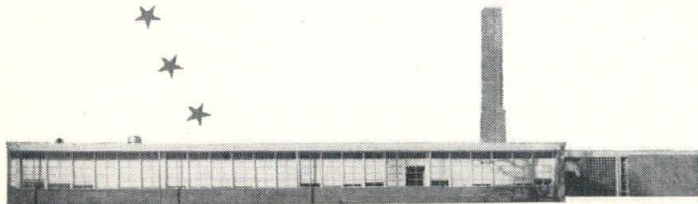
Edina School



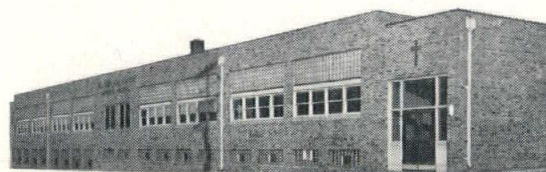
Sheridan School
Minneapolis



Sunnyside School
New Brighton



Circle Pine School



St. John the Baptist
Superior, Wis.

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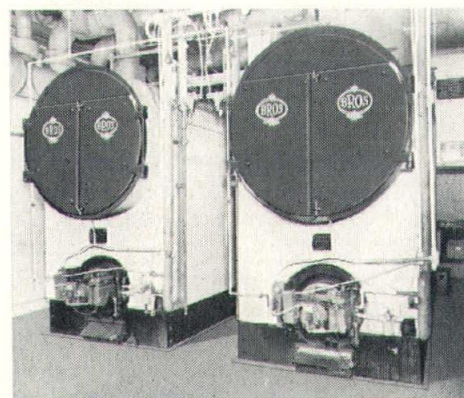
These strikingly modern Northwest schools provide the well-ordered atmosphere where learning comes easy... a triumph of inspired planning, versatile new building materials and, of course, a boiler plant balanced to the modern design.

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new freeway facilities to route the cars around the campus proper.

"Basic in the committee's thinking was the need for drawing together into contiguous areas, even if not under one roof, the functions and activities of the individual colleges. This 'principle of concentration' can not be overlooked," Mr. Willey continued. "The College of Science, Literature and the Arts is today the most scattered college on the campus. The new plan will pull it together within an area that students can encompass in a normal interval between classes. It will provide the closer contacts between students and staff that are so important in the education of young people. It makes the arts college central in the campus and not peripheral, as Prof. Chermayeff seems to propose."

In concluding his remarks, Mr. Willey said that "all expert planning and engineering opinion available to the committee was unanimous that to double the number of students in the area of the present restricted campus would create congestion that would approximate slum chaos." Again pointing to the values of land on the two sides of the river, Mr. Willey finished with, "Couple this with the fact that educationally the arguments favor the west side development and it becomes clear why the committee, made up of men thoroughly familiar with the university's educational problems, reached the unanimous conclusion that it did."

Following the above developments Prof. Chermayeff released a follow-up statement which we quote following:

"I have just had the opportunity to read the comments on my interview with the Minneapolis Star by President Morrill, Mr. Willey and Professor Close. I very much appreciate their forbearance with what evidently was an exactly opposite view to their own. It is quite true that I did not have either the time, or indeed was I invited to examine the details discussed in those thousands of hours of conference. For that reason I confined my remarks to some general principles in which I absolutely believe as these applied to the main concepts behind the university plan.

"All those economic and detailed considerations with which I am not acquainted could perhaps be made to fit into another overall plan without sacrifice of any essential. It seemed to me, however, that the plan was the result not so much of a far-seeing concept as opportunistic in the sense that the land across the river is available and is relatively cheap at this moment. Can it be, however, relatively cheaper than the land already owned by the University? And can the argument of the cost of a usable building—namely the stadium—not be offset in the long run against other advantages? Should not the stadium be elsewhere; and would this action be relatively cheap in terms of the university's future?

"If one accepts in principle so gigantic a university, then there could be alternative solutions worth study. Particularly if the university may double again in size in the foreseeable future. Possible different views of university and colleges in form and function in decentralized locations may prove advisable in the immediate future, in which case the University campus might

shrink and take on a more humane scale and the colleges go much further afield than just across the river.

"Whatever may be that future pattern, I want to emphasize the three main principles uppermost in my mind not recognized by the present University plan, upon which my criticism of it is based.

"The first, the recognition of the threat of the automobile which is being allowed to thread its way into our most sacred precincts everywhere and to which we are now making all sacrifice.

"Second, as a result of the first, recognition of the prevailing spread based upon our newly increased and misunderstood mobility, the farspreading blight of suburbs which, with their pseudo country houses, are strangling our cities and devastating our country sides.

"Third, the provision as an antidote to the above of the essential need to re-constitute the pedestrian dignity, scale and communion. What more appropriate place for a demonstration of the latter principle could one find than a great university.

"We must not forget that Mr. Cass Gilbert's 'Processional Mall' is but an echo of vanished pomp and circumstance we no longer find useful either as a place or as a symbol. It is indeed already subservient to through traffic on Washington cutting across it and the Union Building cutting it off from the river. If possible, Minneapolis should, like all great universities, provide a new and more appropriate symbolic core for the future.

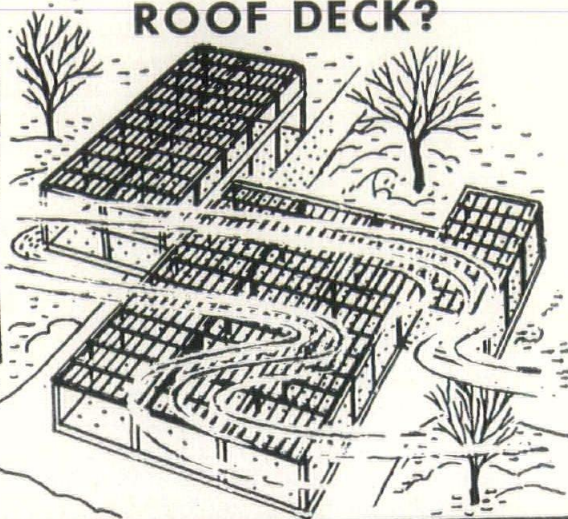
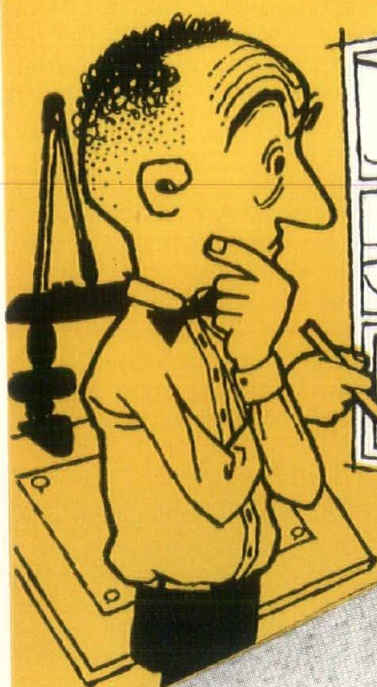
"A point of correction for President Morrill's statement evidently contains a misunderstanding of what I had intended. It is not my suggestion, of course, that classroom space should be served by elevators. On the contrary, I visualize several levels—the lowest, vehicular circulation and servicing. Next, on grade or close to it, a pedestrian circulation level both open and sheltered. Immediately above that the instructional and congregational spaces such as library, classrooms, assembly halls, theatre, eating facilities, etc. Above that—inevitably with elevator service, because we are running out of ground space where we need it—administrative and faculty offices and special facilities for research, etc. I do not advocate, as Mr. Matherson interprets me as saying, high buildings in the practice-field area. On the contrary, all types of buildings, appropriate to their purpose, should be built wherever needed on old campus and new. There is plenty of room for judicious distribution of even high buildings between existing ones. For instance, some could with advantage bridge over existing streets. It is hardly credible that the existing dumbbell plan is uniquely suited for the accommodation of different study groups as described by Mr. Matherson.

"To summarize, I feel we must set up a new hierarchy of mobility to accommodate with integrity the automobile and public transit facilities at one end and a more logical and pleasant circulation and rest areas for pedestrians at the other. At this moment, we have no such pattern and if all expedient and purely practical plans are carried out we shall postpone for more years than I dare think of, because of the dimensions of the investment, the essential start to build a different and healthier environment for later Americans.

"The university plan, furthermore, appears to ignore the very special amenities of its position. The Mississippi

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is invisible and the immediately adjoining banks are at the moment given over to oil tanks and parking. I believe it would be of benefit to both the university and the city of Minneapolis itself if access to the river were developed at this point and if the western sector bypassed by the new thoroughways were redeveloped at a much higher density than at present in residential housing of all types. This housing would then serve the purposes of both the university and the medical facilities, both obviously growing in the immediate future, and benefit the city."

HISTORIC STATE ARCHITECTURE FEATURED IN CENTENNIAL EXHIBIT

As a Centennial Year feature the Minneapolis Institute of Arts has prepared and will exhibit during February photographs of some of the outstanding buildings in the state, from the oldest—the Round Tower at Fort Snelling—to the present. The exhibition was prepared under direction of Dr. Donald Torbert of the University of Minnesota, well known among architects for his work on the history of building.

The Round Tower, reconditioned in the thirties, was the first building in Minnesota, being constructed in 1820 as part of the original fort. It is of Trenton limestone and continues to be a tourist attraction.

All the famous names concerned with architecture in Minnesota crop up in the centennial observance. Most famous, of course, is Louis Sullivan and his Owatonna bank has a place of honor in Dr. Torbert's selections. Contrasting with its design is the picture of the Metropolitan Life Building in Minneapolis, included as an outstanding example of the Romanesque style. Designed by E. T. Mix, the red sandstone, 12-story structure was erected in 1889. It has been noteworthy because of its large window areas despite the heavy type of stone construction.

Buffington's iron-frame skeleton construction, for which he obtained patents back in the 1880's, comes in for mention in the collection.

As befits a state where agriculture has played such an important role in its hundred years as a state, the exhibit is well peppered with grain and similar structures. The advent of reinforced concrete is noted in the first grain elevators made of this material and the Mendota Bridge is also pictured as one of the outstanding structures of the hundred years. While the lumbering industry did much to help build the state the structures of this industry were mostly of a temporary, camp nature and so there was little to include in the exhibit.

Commercial and business buildings, of course, are plentiful. Earliest among these shown is one which Dr. Torbert considers a fine example of that period when architects broke with the idea that they must follow the great patterns of the past, the Minneapolis Flour Exchange, which was from a design by Long and Kees and was influenced by a Sullivan structure in St. Louis. Industrial architecture really began following the Civil War and it remained simple and direct even though commercial and residential buildings became overly fancy and "fashionable."

Leroy Buffington was commissioned to design the

Pillsbury "A" Mill in 1880 and this was the first time in the state that a mill owner became concerned with the style in an industrial plant. Many of the state's milling structures have been honored by inclusion in the listings of noteworthy buildings.

Among miscellaneous structures Dr. Torbert included what he considers is the finest masonry design of the eighties, a 1900-foot stone bridge over the Mississippi constructed by Col. C. C. Smith in 1881-84. Of this Dr. Torbert said that "among masonry constructions in Minneapolis the bridge is unique in the degree to which each stone is sized, shaped and placed to express its structural role and contribute to an over-all sense of vitality."

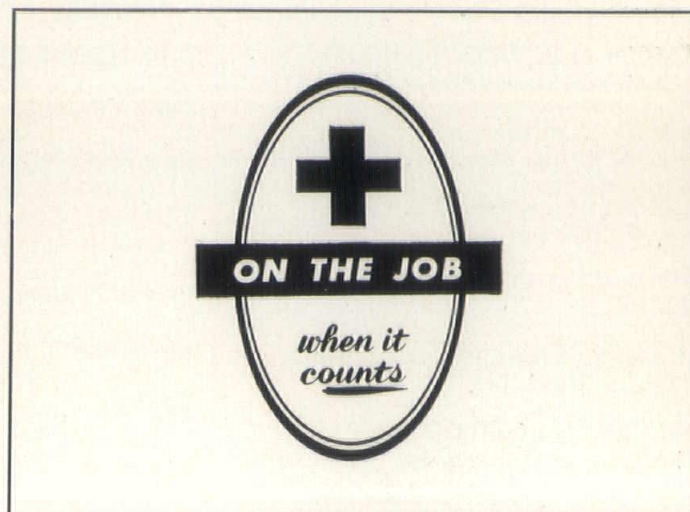
BOSTON'S SHEPLEY TO GET GOLD MEDAL

Henry R. Shepley of Boston, ranking American architect and designer of the New York Hospital-Cornell Medical Center, has been chosen to receive The Gold Medal for Architecture of the National Institute of Arts and Letters for 1958, it was announced recently by Malcolm Cowley, president of the Institute. He will receive the honor at the Joint Annual Ceremonial of the National Institute and the American Academy of Arts and Letters in May.

The Gold Medal of the Institute is conferred annually in each of two categories of literature and the arts, ten categories being designated over a five-year period. This year the awards go to an architect and a poet. Among the previous recipients of The Gold Medal for Architecture are Frank Lloyd Wright, Frederick Law Olmsted and William Adams Delano.

SIX-TON MACHINE IS WORLD'S LARGEST PLASTIC VENTILATOR

Successful high-speed tests have been completed on the biggest plastic ventilator in the world, according to the publication, *France Actuelle*. Constructed for a French chemical plant, the 6-ton machine can handle 150,000 cubic meters per hour of mixed acid gases, including hydrofluoric. The 1,540-pound turbine, directly in contact with the gas, is made entirely of vinyl chloride.



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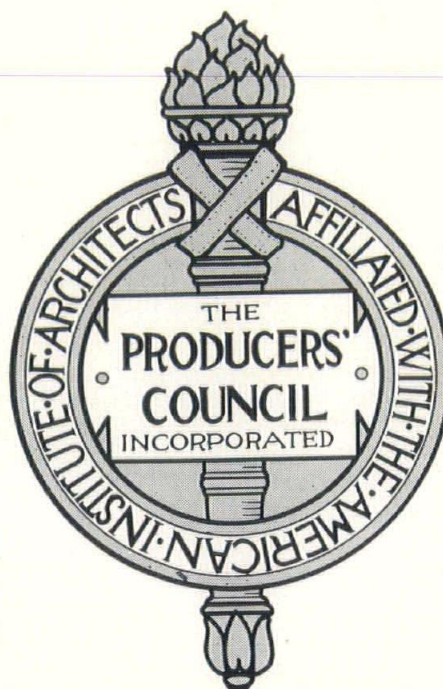
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AIA PRESIDENT CHATELAIN TELLS CONGRESS STAND ON URBAN RENEWAL

In January Leon Chatelain, Jr., president of the American Institute of Architects, appeared before the House sub-committee on banking and currency to talk of slum clearance and urban renewal. After the usual introductory remarks, he said:

"At its Centennial Convention in May 1957, The American Institute of Architects passed the following resolution:

"RESOLUTION ON URBAN RENEWAL

"WHEREAS, The Urban Renewal Program has been enacted by the Congress as a national policy in the public interests; and

"WHEREAS, The American Institute of Architects made a signal contribution to the formulation of the original legislation through an A.I.A. Committee headed by Louis Justment, F.A.I.A.; and

"WHEREAS, Members of The American Institute of Architects are directly concerned with the clearance of slums, the redevelopment of cities, and the building of better American communities; therefore, be it

"RESOLVED, That The American Institute of Architects declares its full support of the national urban renewal program now in danger of being curtailed by reduced authorizations; and be it

"RESOLVED, That The American Institute of Architects endorses the further authorization of \$250 million for each of the next two years as recommended by The President of the United States in his budget message; and be it

"RESOLVED, That the Officers of The American Institute of Architects transmit to the appropriate committees in Congress copies of this Resolution."

"A national A.I.A. committee on community development last year promulgated a policy statement on community planning and housing. That statement was approved by the board of directors of the A.I.A. at its annual meeting in February, 1957, and appears in the current edition of Policy Statements of The American Institute of Architects as follows:

APPENDIX D

Community Planning and Housing

"Community Planning. The architect has been associated with the design of cities throughout history.

"The growth of communities in this era of rapid expansion, social advance, and technological progress presents particular challenges and new opportunities to the architect. The face of the country is undergoing drastic changes as a consequence of urban renewal, the mushroom development of new communities, and the building of roads under gigantic construction programs. All design professions and the entire building industry share a common responsibility in planning and building a better environment to human life.

"Architects are called upon to offer services on

projects of increasing magnitude and growing complexity. They are confronted with large and more involved tasks in their practices and a consequent demand for a broader range of services. Cooperation within the design profession by architects, planners, landscape architects, engineers and other specialists is required to offer the kind of broad professional services the magnitude and ramification the projects of this age demand.

"The American Institute of Architects believes in such cooperation and encourages inter-professional discussions aimed at defining the role of the architect in community planning.

"The Role of the Architect. The American Institute of Architects holds the position that architects are essential to the creation of improvement to the human environment within the cities, towns, and countrysides. The American Institute of Architects maintains that its members have an obligation to bring appropriate architectural services and the benefit of their professional competences into the whole field of urban renewal, community and regional planning. The American Institute of Architects urges its members and chapters to fill the foregoing responsibility, and through them and its national organization, to collaborate with governmental agencies, public groups, and the construction industry. In this endeavor it will be guided by the ideal of bettering social and economic conditions and will direct its aims toward improvements in the efficiency, livability, and appearance of communities, neighborhoods, and buildings.

"Slum Clearance and Urban Renewal. The American Institute of Architects recognizes the Housing Act of 1954 and subsequent amendments the financial and legal mechanism need to aid slum clearance and urban renewal, and the opportunity for the replanning of cities. The American Institute of Architects looks to an effective partnership between private enterprise and local, regional, state, and national agencies in creating American cities which are more desirable both as centers of production and places for living, and which make adequate use of the resources in men, materials, technology, and creative ability.

"The American Institute of Architects feels that a regard for social and cultural values, obtainable through urban renewal, is at least equal to or even greater than a high return on the land cleared and is definitely a matter of sound public interest.

"Advance Planning. The American Institute of Architects favors programs for the advance planning of public works which are a definite part of community or regional plans. The Institute believes that architectural services for advance planning should be rendered by private architects and should be compensated for. The Institute would, therefore, support the theory of loans to communities and political subdi-

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visions to enable those agencies to acquire comprehensive planning services prior to the voter's decision on the bond issues.

"Housing and Home Building. The American Institute of Architects recognizes its obligation to concern itself with all aspects and issues of housing and home building. It will develop its policies as the issues arise and hold itself ready to support in Congress housing legislation which is consistent with its policies or oppose measures which are contrary to its aims. The American Institute of Architects is opposed to any temporary housing except as may be constructed as defense housing under the greatest emergencies to overcome otherwise insoluble housing problems.

"The American Institute of Architects recognizes its responsibilities in the field of homebuilding and, therefore, will pursue and intensify its efforts for architectural service in all parts of the homebuilding field. The American Institute of Architects believes that in all instances a home of any size should be professionally designed, soundly built, and attractively placed on a well planned site. This is in the public interest and in the interest of maintaining the economic and social value of a community.

ST. PAUL AIA OFFERS ASSOCIATES JOURNAL SUBSCRIPTION

The Saint Paul Chapter of the American Institute of Architects has announced that it is making available to those associate members of the chapter whose dues are fully paid up a one year's subscription to the A.I.A. Journal, according to Robert E. Howe, chapter president.

"The cost will be borne by the chapter as a means of encouraging interest in chapter and institute affairs," Mr. Howe said. "Additional Journal subscriptions are available to junior associate members at a cost of \$2.00 per year. After the initial year's subscription to associate members, the Journal will be available to all associate and junior associate members at half-price rates at their own expense."

GRISWOLD AND ASSOCIATES IS NEW NAME FOR MINNEAPOLIS FIRM

David J. Griswold and Associates, Inc.-Architects is the new name of the Minneapolis firm formerly known as Abbett & Griswold in which the late Merle Abbett and Dave Griswold were associated. The firm will continue in the same offices and the staff remains the same as it has been.

BETTENBURG RELINQUISHES COMMAND OF 47th DIVISION

Philip C. Bettenburg, senior partner in the St. Paul firm of Bettenburg, Townsend, Stolte and Comb, has relinquished command of the 47th (Viking) Division of the National Guard and has been placed in inactive status. Richard Cook of Redwood Falls, Redwood County highway engineer, succeeded Gen. Bettenburg

"The American Institute of Architects reaffirms the following policies adopted in 1949:

"1. The Institute advocates a study of all of the factors including costs and long range financing which might produce a workable alternative to subsidized housing.

"2. The Institute favors subsidized low income housing, urban renewal, and rehabilitation until such time as a workable alternative is found.

"3. The Institute believes that cost limitations on low income housing should be reappraised from time to time.

"Road Building Program. The American Institute of Architects sees in the Federally aided road building program an opportunity for improving congested urban areas and creating relief from traffic difficulties. Mindful of the need for adequate planning and controls, the Institute will take an active interest toward achieving an integration of the road building program with urban renewal programs and community planning efforts.

"The Institute firmly opposes the installation of billboards and other advertising matter adjacent to highways."

Chapter, Club and other news . . .

to command of the 7,500-man military unit. Gen. Bettenburg had been active in the guard for more than 40 years, enlisting as a private in 1918. He entered active war service with the 34th Division in World War II, served in north Africa and Europe and returned to civil status in 1945. He was made division commander in 1954 after serving from 1946 as assistant commander.

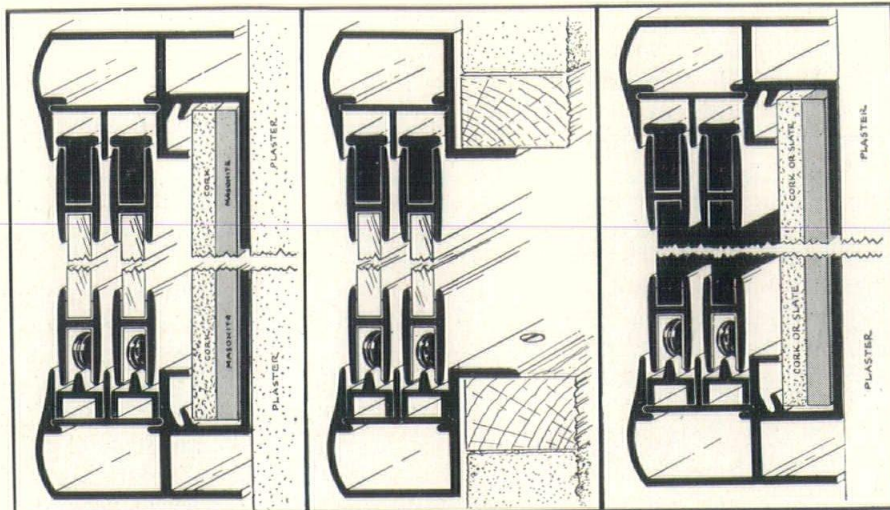
MINNESOTA AGC ELECTS VERANT OF DULUTH AS PRESIDENT

In sessions marked by some lively discussions the Associated General Contractors of Minnesota elected new officers and made its plans for the coming year. The annual convention of the group was held in St. Paul in January.

Joseph Verant of Duluth was elected president to succeed R. O. Ashbach of St. Paul and to serve with him during 1958 the following were also elected—Alvah Libbey of Minneapolis, vice-president of builders' division; C. W. Herbison of Brainerd, vice-president of highway division; A. A. Sehlin of Minneapolis, vice-president of the heavy division; and Vance A. Johnson of Minneapolis, secretary-treasurer. Directors elected included John E. Ganley and J. R. Ritchay of

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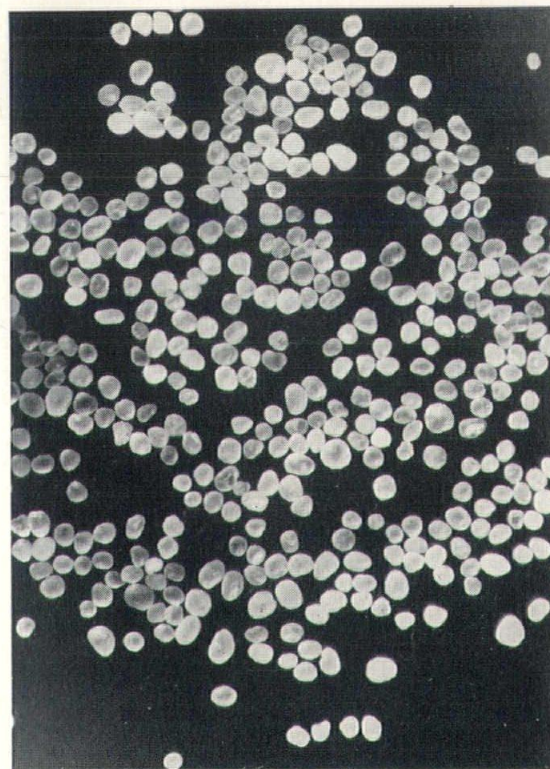
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The group reported convention attendance set an all-time record and plans for the state group's participation in the national AGC convention in Dallas, Texas, in February were discussed.

DULUTH'S BERT SMITH HONORED ON RETIREMENT EVE

On the eve of his retirement C. H. "Bert" Smith, well known architect and a past secretary of the Minnesota Society of Architects, was honored by the Duluth Chapter, AIA, for his long career in the profession. Mr. Smith's career in the state goes back to 1907, when it was not necessary under Minnesota law to have a state license to practice here.

The chapter gave a dinner in his honor attended by many area architects at which Mr. Smith was presented with a radio as a remembrance from the chapter. Mrs. Smith received a corsage of honor.

Many prominent buildings in the Arrowhead bear the Smith touch and Mr. Smith said he is proudest of his work on the Congdon Park School because the residents of the area did not want the structure erected there. To offset this antagonism, he designed the building so it blended perfectly with the homes in the section.

"I put a sloping tile roof on the building so it would look like a clubhouse or an old English castle," Mr. Smith recalled. "When the drawings were completed and presented they were accepted without further objection." The school was built in 1929. Other examples of his work cited by Mr. Smith in recollecting his long career were the WEBC Building in downtown Duluth, the Hibbing High School and additions for Glen Avon, Lakeside and First Presbyterian churches in Duluth.

"I've had a very nice life in architecture," he said. "Now perhaps I'll just go around and criticize everyone else's jobs."

He plans to go to California after his full retirement to visit his original partner in Duluth, William T. Bray, who retired in 1925.

DULUTH BUILDERS ELECT KLIPPEN AS 1958 PRESIDENT

Herb Klippen of Klippen Holm Construction Co., has been elected as 1958 president of the Duluth Builders Exchange. Others elected were Joseph Wille of Kileen & Wille, vice-president; Howard Hagen of Zenith Dredge Co., treasurer; and Walker Jamar, Jr., of Walker Jamar Co., Neil McGirl of St. Germain Bros, Arthur Erickson of Erickson Lumber, Nick Talus of Modern Home Mfg. Co., and Bill Tomlinson of Frank Tomlinson Co., directors.

ERRATA

In our last issue we inadvertently misspelled the name of one of the directors elected to guide the 1958 destinies of the St. Paul Builders' Exchange, John Wallner, well known in that city's construction industry, whose election came earlier this year.



Presentation of the chapter's gift (l-r) Bert Smith, Mrs. Smith, Mrs. Otto Olsen and Mr. Olsen.

ADKINS AND JOHNSON ANNOUNCE NEW ST. PAUL FIRM

Lonnie O. Adkins and O. Reuben Johnson have formed a partnership for the practice of architecture and professional engineering in St. Paul, Minn. The firm will serve the metropolitan area and the state, offering service in the design of a variety of building types, site planning and related engineering facilities, according to the principals.

Mr. Adkins is a graduate of the University of Illinois, holding bachelor of science and master of science

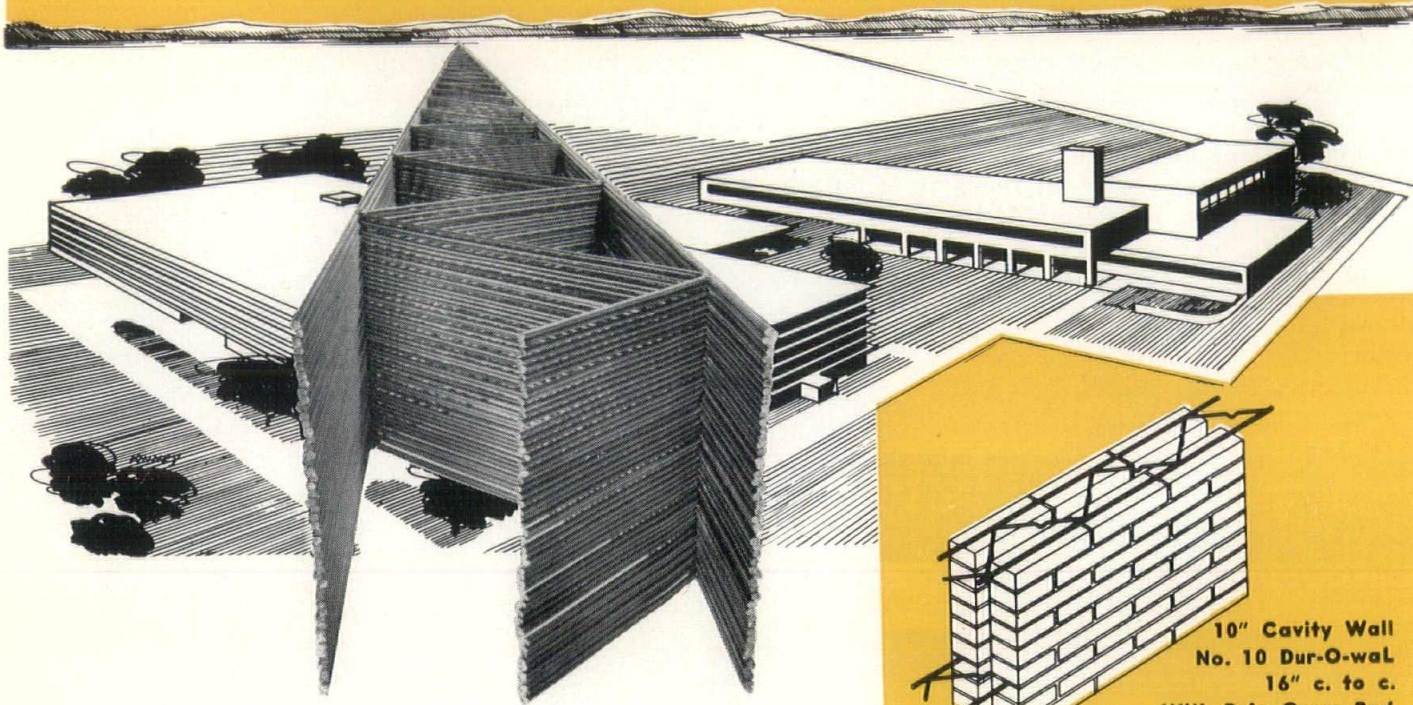


Messrs. Adkins (left) and Johnson

degrees in architectural construction. He is a member of the American Institute of Architects and has seven years of varied experience in architectural design and consulting engineering work. He served one year at Prairie View College in Texas as an instructor in the department of architecture and applied arts.

Mr. Johnson is also a member of the American Institute of Architects. He attended Gustavus Adolphus

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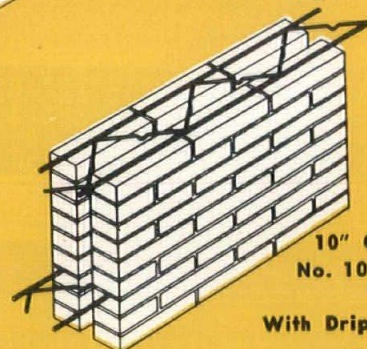


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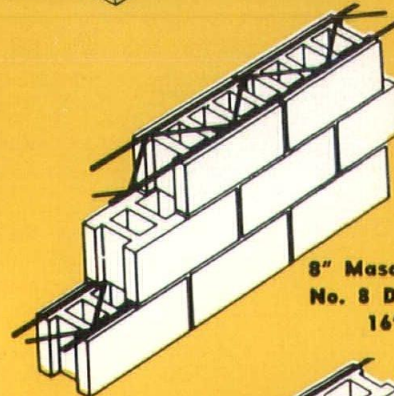
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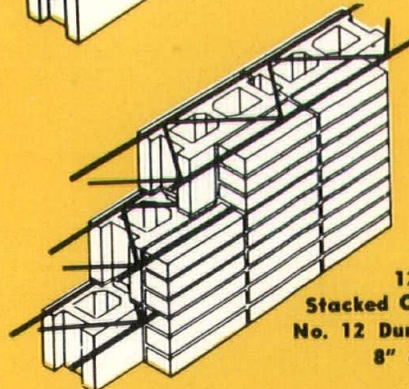
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16" c. to c.
With Drip Cross Rod**



**8" Masonry Wall
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16" c. to c.**



**12" Wall
Stacked Coursing
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8" c. to c.**

NORTHWEST ARCHITECT

College in St. Peter for Pre-Engineering work and is a graduate of the University of Minnesota, holding a bachelor of science and a bachelor of architecture degree. He has a master of architecture degree from the Massachusetts Institute of Technology, with special study in town and site planning and architectural acoustics. He was an assistant professor in the department of Architecture at North Dakota State College in Fargo for four years and has eight years of experience in the design of a large variety of buildings and site planning work.

Both Mr. Adkins and Mr. Johnson are former members of the firm of Haarstick Lundgren and Associates, Inc., of St. Paul.

FRENCH ARCHITECT ASKS FOR HEART HOSPITAL PLANS

An architect commissioned by the French government to build a heart hospital in Paris has asked for drawings and specifications of the award-winning Variety Club Heart Hospital at the University of Minnesota. Tomic T. Romson, administrator of the Heart Hospital, said the architect, Andre Glaser of Paris, and French Vice-consul Gabriel Desdoits of New York recently visited the hospital and were "impressed" with the design and layout.

The 78-bed hospital is the first institution in the United States to function under a program that provides study, investigation and teaching of the best methods of treating heart conditions. The hospital was designed by Magney, Tusler and Setter, Minneapolis architects and engineers, in co-operation with the university advisory architects, Roy C. Jones and Winston A. Close. Construction is currently underway on the addition of a fifth floor to the hospital.

The hospital was awarded the Hospital of the Month citation in November, 1951, by The Modern Hospital Magazine. Award certificates were presented the architects, the hospital and to Minnesota state officials.

W. H. Tusler, senior partner in the Minneapolis architectural firm, said the hospital was designed with particular attention to laboratory and instruction facilities since the hospital serves not only as a treatment center but as a research and teaching unit. Mr. Tusler recalled that the hospital layout was changed during the design stage to allow for a greatly expanded radiographic department as soon as newly developed radiographic techniques were perfected.

The Variety Club of the Northwest is sponsor of the hospital which was dedicated March 20, 1951, at a construction cost of \$1,233,538.

ST. PAUL HOME BUILDERS ELECT

Robert Tilson was elected president of the St. Paul Home Builders Association and Steve Kroiss was named vice-president, Gerald Aichele, secretary, and Harvey Bream, treasurer. Directors are Art Anderson, Walter Gretsfield, Robert Londin and M. McLellan.

**Remember — Spring — Summer — Fall
and the MSA Annual Convention!**

JANUARY-FEBRUARY, 1958

McKENZIE NAMED PC PUBLICATIONS COMMITTEE CHAIRMAN

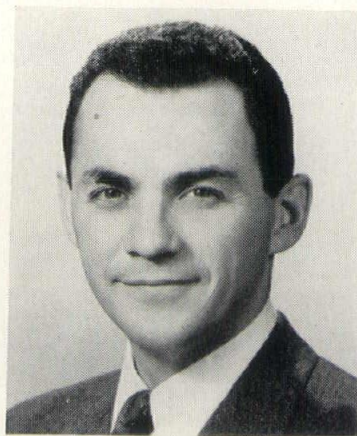
Named chairman of the publications committee of the Producers' Council "Technical Bulletin" recently was Ralph McKenzie, designer and advertising manager for Flour City Ornamental Iron Co., Minneapolis. Other area men who have been named members of the



Mr. McKenzie



Mr. Ammerman



Mr. Randall

committee are C. L. Ammerman of the Ammerman Co., Minneapolis, and Dean Randall, advertising manager of Minneapolis Honeywell.

The new committee has been charged with the responsibility of checking what the architects want to find in the bulletin and suggesting such changes as are necessary to bring the publication up-to-the-minute in serving its readers.

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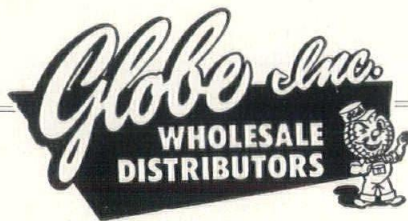
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NORTHWEST ARCHITECT

CHESTER W. BROS, ENGINEERING EXECUTIVE, DIES AT 57

Chester William Bros, executive vice-president of BROS Incorporated, died January 14, at the age of 57. He was known in state and national engineering circles as research and engineering head of the company which was founded by his father in 1882. His death resulted from a cerebral hemorrhage after no apparent illness in recent years. He had just completed arrangements to sail to Australia where a licensing agreement was to be negotiated with a native firm for the manufacture of BROS compaction equipment.



Mr. Bros

He and three brothers shared active management of the company until last year when Ben M. Bros, a vice-president, died while in Florida. Surviving members are Raymond C. Bros, company president, and Kenneth D., a vice-president.

During this management, the company maintained a national reputation for the manufacture of steam generation equipment and, beginning in the early thirties, pioneered many developments in the field of pneumatic tire compaction equipment which has earned worldwide recognition and acceptance among engineers and road builders.

For the past year Mr. Bros had been closely associated with the design and development of several new machines which are regarded as major advances in the construction and performance of primary and secondary roads.

An engineering graduate from the University of Minnesota, Mr. Bros was a member of the National Association of Power Engineers, American Society of Mechanical Engineers, Minnesota Society of Professional Engineers and fraternal groups.

TRADE GROUPS OPPOSE "ANTI-BID-SHOP BILL"

Twelve subcontracting trade associations and unions in the construction industry have taken an official stand in opposition to the bid-shopping bill, H.R. 7168, and have issued a statement of their stand.

"Many of the organizations now asking Congress to defeat H.R. 7168 originally supported the bill in the

hope that it would be amended eventually to make it more acceptable," the group said. "Passage in its original form by the House of Representatives and a favorable report by the Senate judiciary committee has convinced these groups that no amendments to improve the bill can now be expected.

The 12 organizations now opposing the bill have formed an informal group known as the Subcontracting Trades Committee which is devoting its full efforts to bringing about the bill's defeat. The committee is made up of the Contracting Plasterers' and Lathers' International Association, the Brotherhood of Painters, the Insulation Distributor-Contractors Association, the National Acoustical Contractors Association, the National Association of Plumbing Contractors, the National Association of Roofing Contractors, the Painting and Decorating Contractors of America, the Refrigeration and Air Conditioning Contractors, the Tile Contractors Association, the Plumbers International Union and the Lathers' International Union.

The committee announced five principal reasons why its member organizations are opposed to the bill, stating that passage of H.R. 7168 would be worse than no bill at all:

1. The bill does not include all subcontracting trades.
2. The bill actually encourages bid shopping by giving the general contractor 5 to 10 days in which to substitute his subcontractors.
3. The bill does not cover work more than five feet from the building.
4. Money saved by the general contractor in allowable substitutions of subcontractors does not revert to the Federal government.
5. The bill would encourage a single contract system in federal construction work.

MINNEAPOLIS BUILDERS' EXCHANGE ELECTS DIRECTORS

The Minneapolis Builders' Exchange elected new directors recently to replace those whose terms have expired. Elected were Paul C. Carlson of Aaron Carlson Co., who was re-elected, George R. Drake of Johnson, Drake and Piper, John L. Hanson of Bjorkman Bros., and Joseph H. Jester of Minneapolis Honeywell. With the eight directors whose terms continued they make up the group which select the officers of the Exchange.

LAZIER WE'RE GETTING YET?

If we become much lazier about getting out of our automobiles our legs may eventually disappear and wheels grow in their places. Amusing along this line is the recent announcement that there are now available drive-up telephone booths. They resemble the speaker gear at a drive-in theater, that is, post, head and phone with spiral wire. You drive up, crank down your window, reach out and take the phone and you're in conversational business.



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ROCHESTER Art Bannon 808 4th Ave. S.E.		VIRGINIA Kenneth Storm Box 97, Cook, Minn.

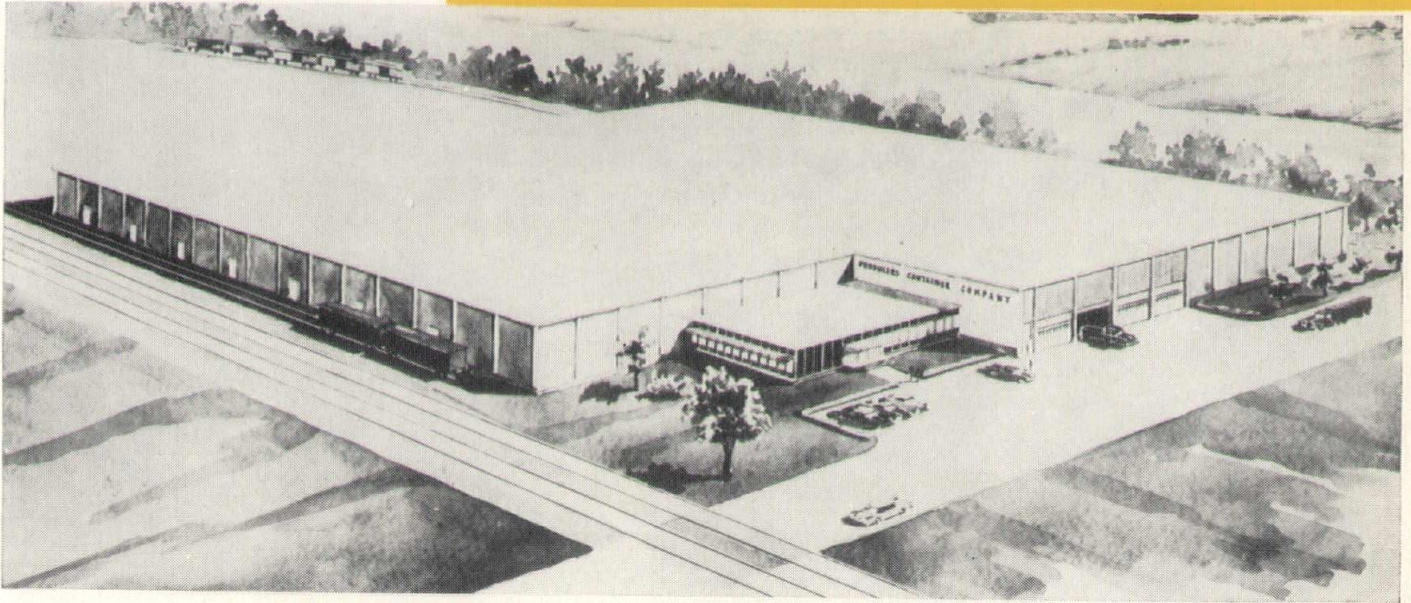
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NORTHWEST ARCHITECT

LONG SPAN ROOF SYSTEM HELPS SAVE COSTS IN SAVAGE PLANT



An economical new long-span roof system that is insulated, fireproof, lightweight and almost maintenance-free has had its first major application on a 140,000 square foot all-concrete can factory in Savage, Minn., designed by Bettenburg, Townsend, Stolte & Comb of St. Paul for the Producers Container Co. Sound control is also provided at no extra cost by the exposed under side of the deck.

The system consists of alternate sections of precast vermiculite concrete roof tile and prestressed channel slabs supported on prestressed beams and precast columns. The lightweight vermiculite tile reduced the cost of the deck 15c per square foot. Total dead load weight was reduced to 38 pounds per square foot, making more practical and economical roof bays of 23 feet by 35 feet. This resulted in a 40 per cent saving in columns. Instead of the 300 that would otherwise have been needed, there are only 180. Beams and columns are slenderized and smaller in size due to the above factors. A further economy was made in foundation costs, since the load on footings is less, designers and fabricators reported.

The deck has a two-hour fire rating. Total cost was about 20 per cent less than equivalent fire-resistive construction.

The vermiculite units are 18 inches wide, 36 inches long, and 3 inches thick. The tile weighs about 10½ pounds per square foot, has a "U" value of 0.22 and can support a total load in excess of 250 pounds per square foot. The ends of the tile rest on a 1½ inch haunched bearing ledge cast in each side of the channel slabs. The tiles are butted tightly against each other at right angles to the load span.

The finished top surface of the tile is 2 inches higher than the top of the channel slabs. This difference is equalized with a fill of lightweight insulating concrete that serves three purposes. It brings the "U" value of the prestressed slabs to that of the tile. It anchors the tile against uplift. It levels the deck which would otherwise be uneven due to the slight variation in camber in the prestressed slabs. These latter units are 36 inches wide, 12 inches deep and span 34 feet. They are spaced 33 inches apart to provide bearing for each end of the vermiculite tile.

Because of its large area the roof is divided into 23 by 35 foot panels by half-inch wide expansion joints. These will hold to a minimum the accumulation of expansion and contraction stresses. The deck is finished with a four-ply built-up roof of pitch and gravel. Red rosin paper laid down before the roofing was applied will allow the deck to move independently of the built-up membrane.

The exposed underside of the tile is the acoustical surface. Vermiculite tile has a noise reduction coefficient of 0.60. In addition, the legs of the channel slabs act as baffles to impede sound reverberations. Ceiling height is 21½ feet to the bottom of the beams, to accommodate the products that are stored and handled.

One of the striking things about the building's interior is its neat, spacious appearance and the absence of massive framing members. The prestressed beams are 12 inches wide and 28 inches deep and span 23 feet. Columns are 10 inches by 12 inches with unsupported length of 21 feet, and spaced into bays 23 feet by 35 feet. The corners of the columns are

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chamfered but are not metal-protected since they are much less vulnerable when so much open space is available in which to maneuver equipment.

The walls of the one-story building are concrete tilt-up panels. The tilt-up method was an economy measure that saved at least 10 per cent, compared with its counterpart in masonry, it was reported. The panels are unusually large—24 feet, 9 inches high and 6 inches thick. The width varies from 16½ feet to 20 feet. The largest panels weigh about 22 tons each. There are 91 in all, 70 in the exterior walls, 15 fire wall units and six partition panels.

The concrete floor around the perimeter of the building was poured and cured first so it could serve as a casting bed for the tilt-up panels. These were cast on the floor beside the spot where they were to be erected. Window frames, door frames, openings, etc., were set into position in the form. When the concrete had hardened, a lifting rig was attached and the panels were tilted into place. In vertical position, the sections were about a foot apart and had reinforcing bars projecting from the edges. Concrete pilasters were cast into these spaces.

The 350 foot by 440 foot building occupies an eight-acre site. The long axis runs east and west. The north 140 feet is a factory area for manufacturing cans. The remaining 210 feet on the south is warehouse space.

Fitting into an "L" at the east end is a 47 by 72



Details are shown in the pictures here. At top is a view of the underside showing alternate sections of channel sales and tiles. In the bottom picture note the difference in levels of the alternate sections of tile and channel slabs, to be filled in with lightweight concrete for leveling and insulation.

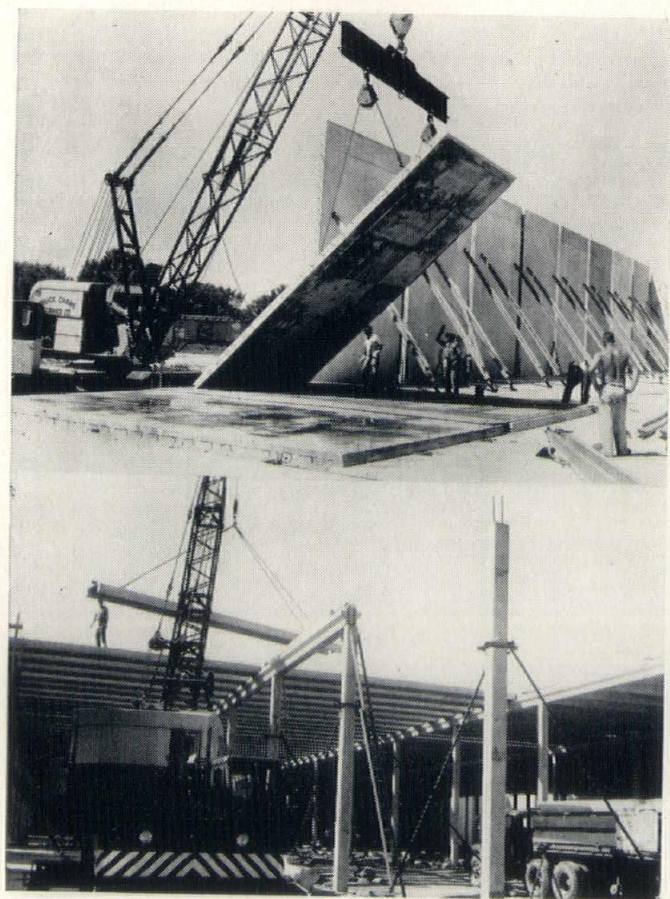
foot air-conditioned one-story office area, which is designed to carry a second story. The two exterior walls are of conventional metal wall panel (skin wall) construction and are handsomely finished outside with jet black porcelain enamel panels set in aluminum frames. An effective background was provided by spraying the tilt-up concrete wall in the rear with blue-gray cold ceramic and the pilasters, white. Windows are insulated plate glass.

Cost of the building alone was \$4.25 per square foot. Total cost, including equipment, was \$1,500,000. Prestressed Concrete, Inc., of St. Paul fabricated and installed the framing members and the channel slabs. The vermiculite tile was produced and installed by Western Mineral Products Co. of Minneapolis, which also placed the lightweight fill. The general contractor was Leaf Construction Co. of Minneapolis.

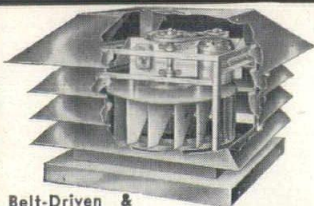
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These two pictures show (top) the erection of the tilt-up panels at the can plant and (bottom) placing the prestressed channel slabs on the prestressed beams.



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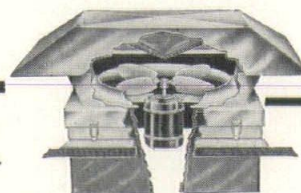
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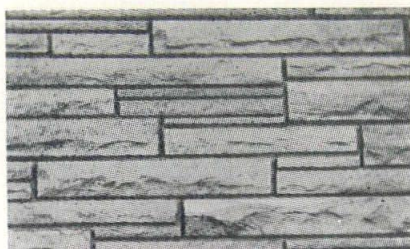


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Dr. Salvadori

CONCRETE CONFERENCE HEARS SALVADORI OTHER LEADERS



Members of the building industry staffs interested in concrete use who attended the Seventh Annual Concrete Conference at the University of Minnesota recently heard leaders in this field discuss their specialties, including Dr. Mario G. Salvadori, who talked on "The Science and Art of Concrete."

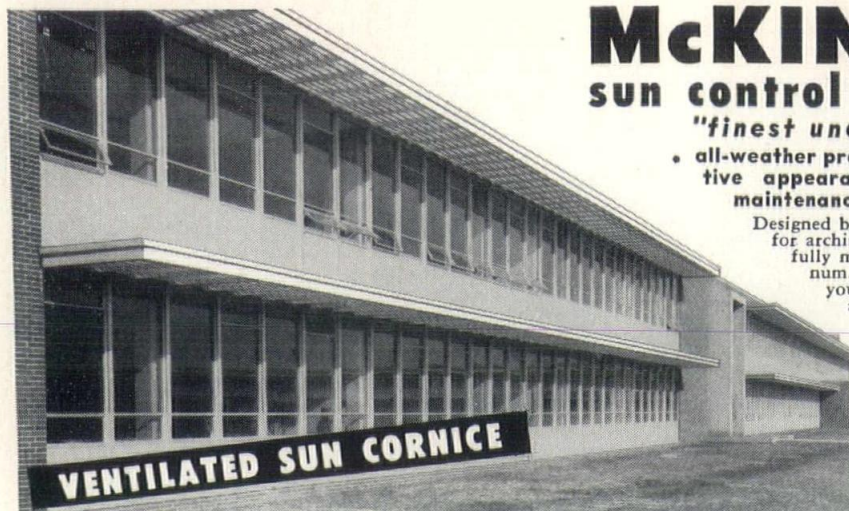
The annual conferences are held to "improve concrete design, workmanship and construction procedures which are vital to the future welfare of the concrete industry." In addition to the talks given, there were question-and-answer periods during which special problems in particular companies' experience could be brought up for special consideration.

Dr. Salvadori, who was the featured guest speaker, is professor of civil engineering at Columbia University, a graduate of the University of Rome, visiting professor of architecture at Princeton, associate of the firm of Paul Weidlinger, New York, and a member of ASCE, ASME, ACI and fellow of the New York Academy of Sciences.

"Pretensioned Structural Members" was the subject of the talk by Norbert R. Soukup; John Jardine spoke on "Post-tensioning for Bridges" and in a symposium on construction Paul Rice talked on "Accelerators and Retarders," Norman Henning on "Air Entrainment" and John H. Banker on "Floors and Finishing."

The conference was sponsored by a number of groups, including the Minnesota Society of Architects, Minne-

Shown in the three pictures here are (top, l-r) Robert Randal, Fred McComb of Portland Cement Association, Minneapolis, John Jardine of Jardine Bridge Co., Fargo, N. D. . . . (center, l-r) Gordon and G. L. Lewis of George R. Lewis Co., Minneapolis, and E. J. Fuller of McCree & Co., St. Paul. . . . (bottom, l-r) Al Fulton of Marshall Concrete, Minneapolis, George Britzius of Twin City Testing & Engineering and Harold Anderson of Inland Supply Co., St. Paul.



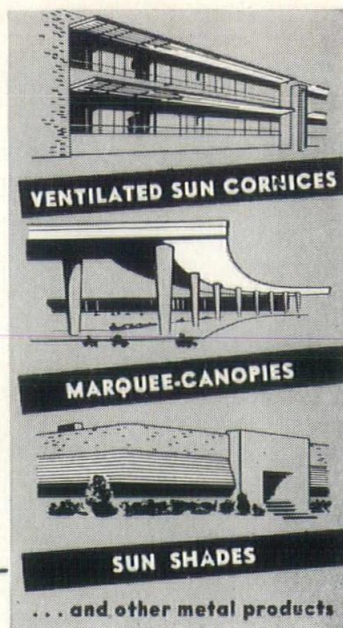
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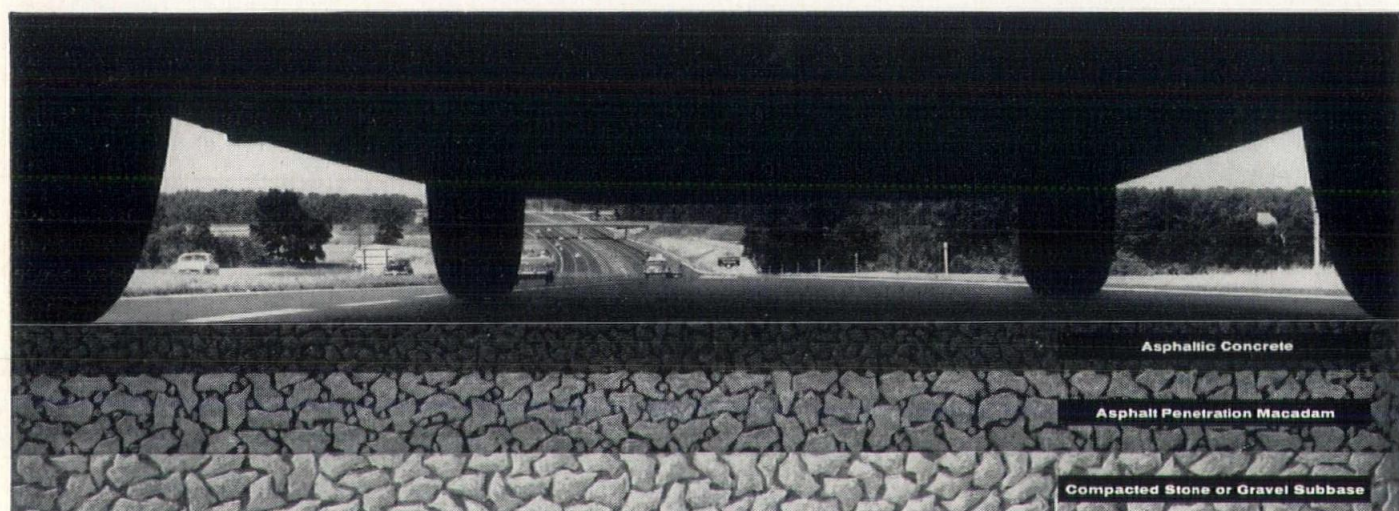
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sota Society of Professional Engineers, Portland Cement Association, Minnesota Associated General Contractors, Northwest Section of the American Society of Civil Engineers, North Central Commercial Aggregate and Ready Mixed Concrete Producers Association and American Concrete Institute.

Our montage here shows (top, left, l-r) Ken Klasey of LeHigh Cement, Minneapolis, John Hufschmidt of Steel Concrete Construction, Milwaukee, C. E. Dahlgren, engineer from St. Peter, Minn., Earl Brink, Prestressed Concrete, Inc., St. Paul, and W. D. Heney, president of North Central Lightweight Aggregate, Inc., Minneapolis . . . (top, center) O. O. Pfutzenreuter of PCA, Duluth, Dan Brown, Minneapolis engineer, and Bert Flick, St. Paul architect . . . (right) Locke Allen of Landers-Norblom-Christenson, Minneapolis, John Banker of PCA, Chicago, and T. W. Thomas, associate professor of engineering, University of Minnesota.

Lower row shows (left, l-r) Stan Swenson, Bill Gerlach of Green Giant Co., Le Sueur, Minn., with W. C. Bridge, Jr., Nasvick Construction, Bemidji, Minn. . . . (center) L. P. Zimmerman, Minnesota state highway commissioner, Paul Rice of American Concrete Institute, Detroit, Mich., and Norbert Soukup, of Prestressed Concrete, Inc., St. Paul, . . . (right) Harry Peterson, Pete Woog, South St. Paul building inspector, and Richard Heyer of Bloomington building inspection department.

BOOK NOTE:

PROBLEMS OF DESIGN

By George Nelson

\$10.00 from Whitney Publications, Inc.,
18 E. 50th. St., New York 22

A goodly dash of challenge to thought is splashed through this well written, finely illustrated collection of essays on design by an architect and designer whose career has been one of taking nothing because someone else said it was so but of thinking through for himself. The group of articles, 26 in number, covers the last 10 years of Mr. Nelson's work. Most of them are reprinted from magazines in which original publication was made.

"George Nelson is unique. He is an industrial designer with a sense of humor," wrote Arthur Drexler in the foreword to the volume. "This allows him—indeed compels him to be candid about the intricate workings of Big Design." Further on he comments on Mr. Nelson's methods—"For George Nelson, I believe, the process has always been most important. What makes Nelson different from other people thus engaged is the range of his curiosity, the variety of facts and beliefs and enthusiasms he seeks to integrate in one continuously evolving structure. Where other designers might proceed by excluding possibilities and limiting the frame of reference, Nelson seeks to expand it. . . ."

This volume is another of those worthwhile items to have on your bookshelf to take down and browse through, read one essay or several, consider and argue with. There is, incidentally, in the makeup an abundance of white paper around the type where the book's owner can jot in his own agreements, rebuttals or other comments.

NO WORK IS NO VACATION

There is no work that is harder than "no work," many an older worker will tell you for "no work" is no vacation for him; and yet, many times he has been forced into his do-nothing life for but one reason—age, The Minnesota TB and Health Association pointed out recently.

"Older workers and rehabilitated workers, too, can be bigger assets to business than many owners or managers realize," the organization said. "Millions of these workers are holding down jobs today. More millions are available but are not being effectively used. Behind these facts are various misconceptions about older people, such as that there is greater absenteeism among them than among younger workers, that they have more accidents, are less productive and retain old-fashioned attitudes.

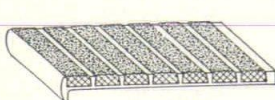
"Recent studies indicate these generalizations are false. Older workers, as well as those who have been rehabilitated after some long-term disease, are often found to be better than the youngsters."

"I saw it in Northwest Architect"

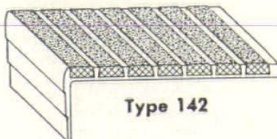
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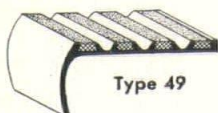


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SAFE GROOVE TREADS

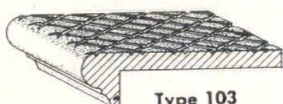


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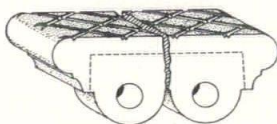


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ABRASIVE CAST TREADS



Type 103

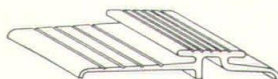


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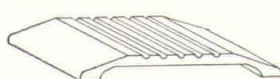


Shown are just a few typical examples. Portfolios of detail plates are available upon request. Our engineering department will cooperate in recommendations and specifications.

EXTRUDED THRESHOLDS



Type 322

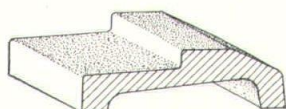


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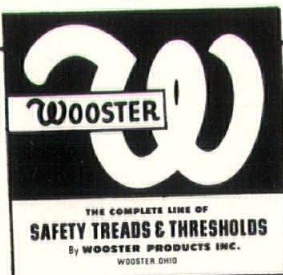
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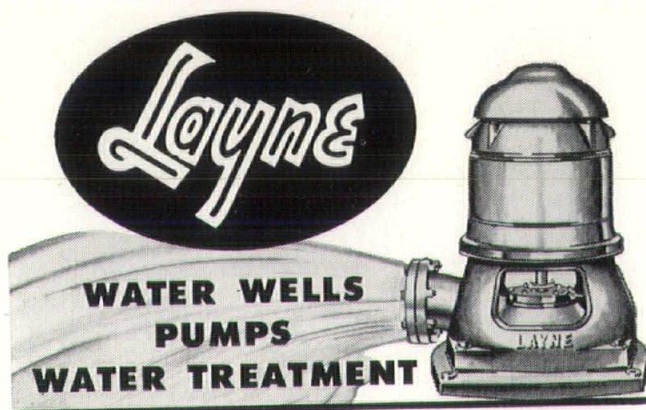
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NORTHWEST ARCHITECT

NAM MAKES MOVIE OF BABCOCK OPERATION FOR TV SHOWING

A special motion picture of the operations of the Babcock Company in Kasota, Minn., where one of the country's most unusual veins of stone occurs, was made recently by the National Association of Manufacturers and appeared locally as a TV broadcast on KTCA-TV, Channel 2, the evening of February 18.

This series is one of the longest continuous service programs available for TV broadcast and the Babcock presentation was the "meat" of a 15-minute program. It was available to 272 stations and the viewing audience was estimated at 18,000,000 persons. There is no commercial plug in these broadcasts, according to the NAM officials in charge, and the series is a contribution to support of the American way of life and its system of free enterprise where hard work and progressive ideas lead to the pay-off.

The unusual angle of the Babcock story which made it of particular interest was the fact that in a small community in Minnesota is this firm which digs, fabricates and sends to all parts of the country for fitting into the facades of many well known buildings an even colored stone which is consistently of the same hue. As far as is known, this stone in the Babcock quarry is the only vein of its kind and its consistency of color is famous.

The Babcock company has done the stone work for a number of recent buildings and the stones are shipped to all parts of the country. Numbered and keyed to a master plan of the building, each one fits within close tolerances. Shipment is so controlled that breakage is practically nil.

The NAM series has received a number of national awards for excellence and has won some five Peabody Awards for public service programs. It attempts to find the unusual to spark the presentation of how industries serve the development of America. After TV availability, films are also placed in libraries of cities and schools. They are also shown in some 20 foreign countries. The subjects are kept fresh and when a film becomes obsolete because of changes in the industry or processes it is removed. The NAM has made close to 400 such films.

CONSTRUCTION CONTRACTS UPPED SLIGHTLY, DODGE REPORTS

Construction contracts in 1957 totalled \$32,173,412,000, two per cent ahead of the 1956 total, according to F. W. Dodge Corporation. While strictly comparable figures are not available for years before 1956, a Dodge official said that 1957 "undoubtedly set a new all-time record."

The 1957 figure was the first annual construction contract total ever released for the United States, since the Dodge statistics prior to 1957 covered only the 37 states east of the Rockies. Back data on the 48-state basis were compiled for 1956, in order to make possible comparisons with 1957.

According to Dodge's vice-president and economist, George Cline Smith, "the 1957 total undoubtedly set a new all-time record for dollar volume of construction



Down through the overburden and into the building stone stratum go workmen at the Babcock quarry.

contracts. While statistics do not exist which would absolutely prove this to be a fact, we do know that 1957 exceeded 1956, on a 48-state basis, and we can judge from the earlier 37-state contract figures that 1956 far exceeded any earlier year."

For the year as a whole, residential building contracts amounted to \$13,039,005,000, one percent ahead of 1956; non-residential building, at \$11,293,149,000, was up one percent; and heavy engineering, at \$7,841,258,000, was up four percent.

WHITE PAINT ON ROOFS HELPS CONTROL TEMPERATURES

The reflective values of white have long been known but a recent study whose results were announced in the magazine *Air Conditioning, Heating and Ventilating* gives exact information on the use of white paint on roofs.

"Records kept of surface temperatures on pitched and flat roof sections for one year of a building at Highett, near Melbourne, Australia, have produced some informative data on the temperature-reducing effect of covering bituminous roof surfaces with aluminum foil, aluminum paint and white paint," the report said. "Plots of mean hourly temperatures for January (southern hemisphere summer) show reductions of 15° F or greater for white paint as compared to black surface for 10% of the time. A maximum reduction of 49° was recorded."

Aluminum paint is not quite as successful, according to the report, but its far greater durability than the white paints used by the experimenters leads to its more general recommendation. Aluminum foil is better than aluminum paint; not so good a reflector as white, however. It is noted that surfaces other than aluminum foil are below air temperatures at night, due to radiation to the sky, but that aluminum foil, because of its low emissivity, equals or exceeds night air temperatures.



HONORS BESTOWED DURING ST. PAUL BUILDERS EXCHANGE DINNER

With more than 500 members of the St. Paul Builders Exchange attending, the annual dinner program of the group was held recently, during which a number of honors were passed out. This was the 52nd annual dinner event.

Highlights of the program were presentations made to exchange board members whose terms had expired at the end of last year and the St. Paul Home Builders' Association's appreciation award made to the exchange for outstanding service to the community and industry. Our pictures on this and following page show some of those who took part.

In the three-picture grouping on this page are (top, l-r) Roy Bertelsen, president, Minneapolis Builders Exchange, Walter Baumeister, St. Paul exchange treasurer, Brooks Cavin, president, Minnesota Society of Architects, Jack Hustad, president, Minnesota-Dakota Chapter of Producers' Council, and Bob Howe, president, St. Paul AIA chapter . . . (center, l-r) Richard Steenberg, St. Paul exchange president, receives the award from the St. Paul home builders' executive director, John Bohman . . . (bottom) Directors with their awards and the home builders' award, Peter Bies, Al Arrigoni, Richard Steenberg, John Bohman, Bob Sandberg, past exchange president Bill Poppenberger and Clem Schmitz.

In the numbered pictures opposite, we identify: 1—Fred Miller of Twin City Brick Co., and Ed Sroder of PaCal Co. . . . 2—W. J. Molin of Molin Concrete Products and Carl Lind of American National Bank. . . 3—John Bush of Anchor Block Co. and R. J. Kohnert of Standard Building Materials . . . 4—Doug Efferman of Employes Mutual, John Bush of Anchor Block, Dode Cedarleaf of Cedarleaf, Inc., and Bob Sandberg of Sandberg Construction . . . 5—C. R. Erickson of state architect's office, Al Nelson, Minnesota state architect, and Jim Fenelon, executive director, Minnesota Society of Architects . . .

6—Al Arrigoni of American Terrazzo and Richard Steenberg in award presentation . . . 7—Rod Hood and H. C. Klippen, president, Duluth Builders Exchange . . . 8—Joe Arrigoni of Arrigoni Bros. and Bob Loeffel of Sheely Construction . . . 9—R. J. Hendershot of AGC of Minnesota, Col. Desloge Brown, St. Paul district engineer, and D. F. Kehne, St. Paul exchange vice-president . . .

10—Dick Steenberg, William Poppenberger and H. C. Klippen . . . 11—Jack Cross and Jack Hagstrom, J. P. Hagstrom Construction . . . 12—Bob Baumeister of William Baumeister Construction and Jim Gagan of Lehigh Cement . . . 13—Albert Plagens, Jack Gross of Hagstrom Construction and Lyle Monson of Corning-Donohue . . . 14—Don Selfe of Grant Construction and Ray Thibodeau, exchange secretary.

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Haldeman-Homme Holds Annual Open House



Architects, school officials, building contractors and others in the building industry were guests of Haldeman-Homme, Inc., St. Paul, during the company's annual two-day open house held recently. Our pictures here show some of the many persons who accepted the company's invitation to see the latest in the special tables, stages, etc., handled by it.

In the smaller grouping are shown (top, l-r) Harry Rumpel, Harold Enestvedt and L. H. Tanglen, school superintendents, Duke Haldeman and Hubert Olson, another school superintendent . . . (center) Brooks Cavin, Minnesota Society of Architects president, Lew Cook of H & H, Frank Jackson, architect, and Bill Krueger of H & H . . . (bottom) Architects Ray Gauger, Ken Buetow and John Rickey with Newell Risdall, sales manager for H & H.

Our numbered montage shows (l-r): 1—Jack Homme with Mrs. and Clarence Carlo of Coil-Wal Co., Dubuque, Iowa . . . 2—Myron Kehne, A. E. Tichich, George Townsend and Bob Magney . . . 3—Herb Larson, Clark Rambo, Joe Hartman, Glenn Cording, George Normandin and Gil Bauer . . . 4—E. D. Corwin, Al Nelson and Ron Ellsworth of H & H . . . 5—Jack O'Connor, Bob Pope of H & H, Frank Deig, athletic director of St. Thomas College, and Dale Blomness of H & H . . . 6—Gordon Matson, Chuck Magney and Merl Peterson with Will Hamilton of H & H . . .

7—Jack Homme, Bob Howe, president of St. Paul chapter AIA, and Myron Kehne . . . 8—Gerald Buetow and Sid Stolte . . . 9—Bill Vievering, George Peterson, Art Baumeister, George Wojcik and Gene Sigvartsen . . . 10—Warren Durr, Merl McGrath and Urban Abendroth . . . 11—Keith Ironsides, Bill Coumbe, Bert Storm and Walt Hajicek of H & H . . . 12—Guy Treibergs, Dave Peterson, John Biza and Chris Christen.

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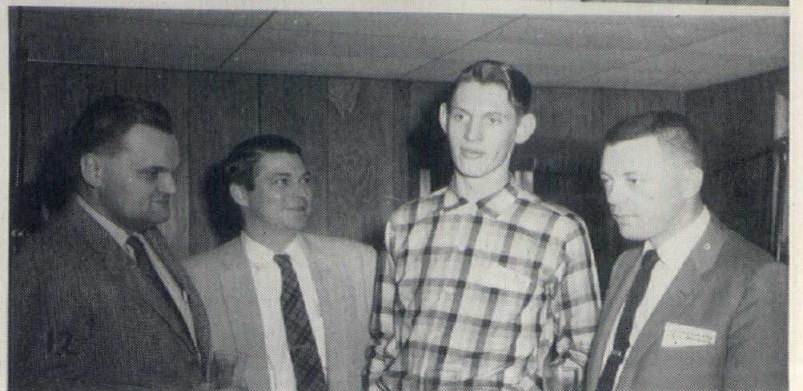
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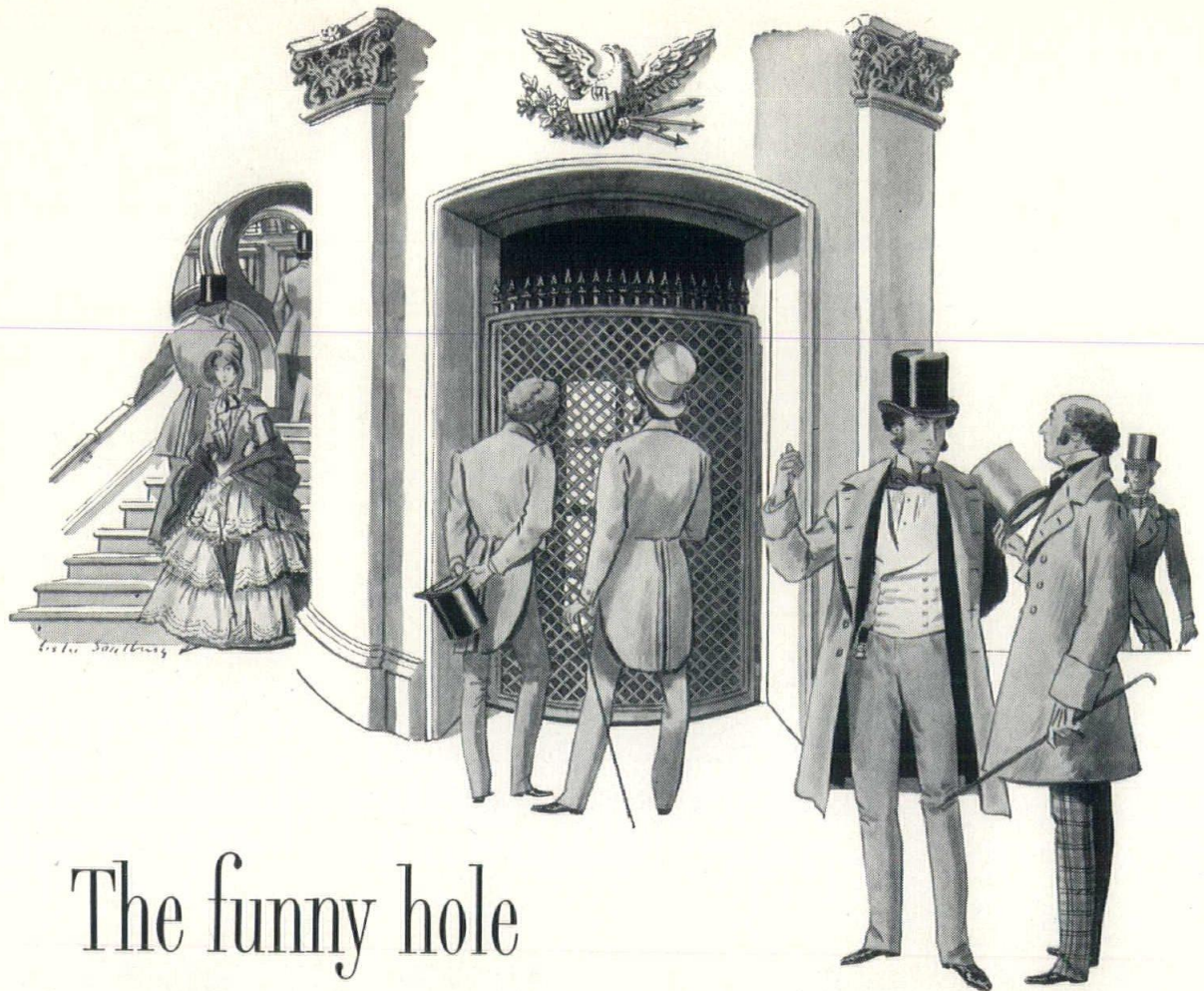
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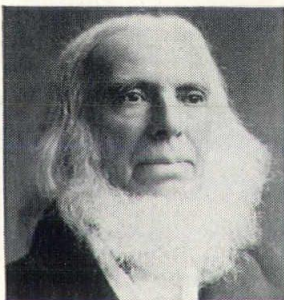
If a man is known by the company he keeps an architect is known by what he reads so tell them "I saw it in Northwest Architect!"

NORTHWEST ARCHITECT





The funny hole in Mr. Cooper's building



MANY a New Yorker shook his head, and not a few snickered, when they saw the "hole" in Peter Cooper's new building.

But to the benign gentleman with the ruff of graying whiskers it was all so simple: Some day someone would perfect the passenger elevator.

The mere fact that there wasn't one in 1853 would mean little to a man who, with his own hands, had built and driven the first American locomotive. Whose money, and faith, were to help see the Atlantic Cable through all its disasters to final success. And who would "scheme out" a Panama Canal plan fourteen years before DeLesseps.

But Peter Cooper's belief in the future ran in a vein far deeper than simply the material. For his "building with a hole" was Cooper Union, the first privately-endowed tuition-free college in America. A place where young men and women of any race, faith, or political opinion could enjoy the education which he, himself, had been denied. Peter Cooper's

dearest dream—which has continued to grow dynamically for nearly a century and today enriches America with thousands of creative thinkers, artists, and engineers.

There is plenty of Peter Cooper's confidence and foresight alive among Americans today. It is behind the wisdom with which more than 40,000,000 of us are making one of the soundest investments of our lives—in United States Savings Bonds. Through our banks and the Payroll Savings Plan where we work, we own and hold more than \$41,000,000,000 worth of Series E and H Bonds. With our rate of interest—and the safety of our principal—guaranteed by the greatest nation on earth. You're welcome to share in this security. Why not begin today?

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TEXANS STUDY MODULAR-TYPE OF SCHOOL STANDARDIZATION

The United States has been mass producing schools on a custom built basis and scientists are now seeking a means of applying mass production technique so more schoolrooms can be built for less money. The Texas Education Agency is beginning a study to explore the possibility of using standard and correlated dimensions for material components used in school construction. The study does not imply the use of pre-fabricated or standard buildings but contemplates the development of standard dimensions that will permit present flexibility of design and construction.

The work is made possible by a research agreement with the United States Office of Education whereby the United States office furnishes \$166,265 and the Texas Education Agency contributes staff personnel time and services. The Texas Education Agency will be assisted in the research study by architects and engineers from Southwest Research Institute, a not-for-profit scientific organization with headquarters in San Antonio. In addition, assistance will be rendered by a statewide advisory committee, appointed by the state board of education, composed of school architects, superintendents, engineers, contractors, school board members, and representatives from other groups concerned with the manufacture and distribution of school building components.

"School construction costs have become of increasing concern to taxpayers and the problem will increase in the next few years," the agency said. "The National Citizens Committee for the public schools estimates that in 1965 there will be 48 million children of school age. This figure represents an increase of 12 million over 1954. The greatest percentage of increase (58 percent) will be in the high schools, which represent the most expensive plant construction. At the present time, there is no nationally accepted flexible set of dimensions used in school construction. For example, the usual standard in ceiling tile is one set of dimensions while the usual standard for floor tile is another set of dimensions. In most cases, one or both must be fitted at the site and the surplus discarded."

Through an examination of different schools and in consultation with the many interested groups, the researchers hope to assist in evaluating a concept of modular shapes and sizes for school building parts which will effect savings in design and construction and still will insure the all-important element of flexibility in design. They will attempt to set up standard modules which will be the basic three dimensional frame of reference for the design and construction of schools.

"This does not mean that all components would necessarily come in those dimensions. A component might be either a fractional part or a multiple of the basic unit. Such a system would permit the use of various materials—wood, aluminum, masonry and clay products, plastics, concrete, steel, etc.—for each of the com-

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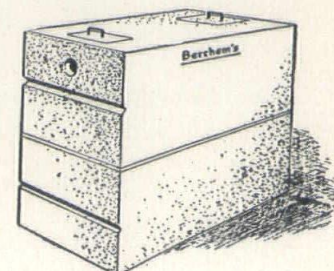
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ponents, thus giving the widest variety of possible choices for the architect. We hope that it will result in the development of a system which will permit manufacturers to mass produce walls, floors, roofs, framing, windows, doors and other components in a variety of materials but in sizes and shapes which are compatible with site assemblages as well as other components.

"This has been done for several years in England and we plan to make use of the pertinent findings they have made. We will also take advantage of the material developed in studies by the European productivity agency of the organization for European Economic Cooperation which has already published information on the use of modular components in the free countries of Europe. In addition we will utilize to the fullest the research results accomplished by those groups in the United States who have had a great interest in the subject of modular coordination."

MAKE A PLUS OUT OF THE LULL

Many persons can take advantage of the present lull by looking ahead "at the plus factors in the economic picture" and planning for the progress which lies ahead, Philip M. Talbott, president of the Chamber of Commerce of the United States, said recently.

This is the time to accelerate research, eliminate loss items, get costs under control, drive for new clients, improve production scheduling, review purchasing policies and resist unecomonic wage demands, he said.

Warning against discouragement, he added:

"This is not 1929. It is only realistic to say that anyone who is in the stock market today feels poorer than he did a few months ago but hundreds of thousands of our people are not up to their ears on margins as they were 28 years ago. . . . There is the Federal Deposit Insurance Corporation. Our deposits are safe. The factory worker who is temporarily laid off draws unemployment compensation. . . . Although I sometimes shake my head in wonder at the uneconomic extremes at which we have progressed with the various kinds of subsidy programs . . . the farmer is at least protected from the natural hazards that have always surrounded agriculture. . . .

"The most important plus factor . . . is the movement

toward easier credit availability and declining interest rates . . . sensitive commodity prices have already reached an eight-year low and producers are bringing production into line with demand at these lower levels in a number of commodity markets."

Mr. Talbott predicted that some of the key economic indicators will start moving up before the end of this year.

"RECORD HOUSES" INCLUDE ONE IN MINNESOTA

The twenty finest architect-planned houses of 1958 have been selected by the editors of Architectural Record for presentation to architects and engineers in "Record Houses of 1958," the annual mid-May issue devoted to outstanding new achievements in house design. Included is one from Minnesota.

Criteria used for selection of the houses included appearance, spatial organization, structural design and design of electrical and mechanical systems. The houses represent the work of twenty different architects in thirteen states and range in price from \$16,000 to over \$100,000. They were designed for both merchant builder and individual owner-clients.

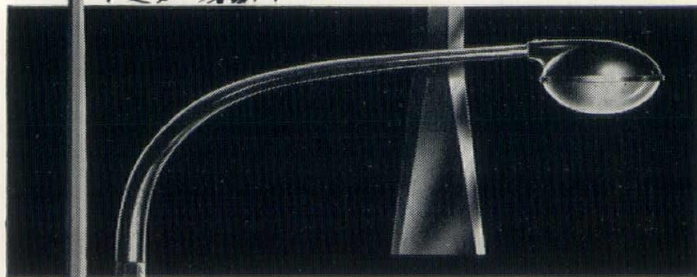
The Minnesota house is that of Mr. and Mrs. Robert Starkey in Duluth, designed by Marcel Breuer.

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Come fall and convention

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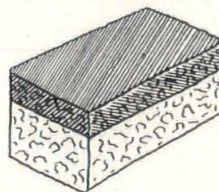
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Your public relations are YOU.

You are the man who looks back at you from the shaving mirror every morning, knowing your real abilities and your honest attitudes about all you do.

What your professional capabilities are, and what kind of a man you are before your fellows, particularly before clients and any close friends, they will soon come to know very well. They pass along the good word about your skills and your social assets. Or they tell another sort of story.

At your public relations' worst you can be the fellow whom other men, when at lunch, would prefer to sit down at another table. When fishing, they would hope to have you on another party or boat. Most architects, like doctors and lawyers, have attractions as able gentlemen. Unless you have missed your respected calling, you become qualified in the profession, you like people and know how to conduct yourself at all times and hours.

If you are young in the profession, and properly ambitious, you can make the mistake of thinking good public relations can be accomplished through publicity and promotion. Certainly the public can be impressed by seeing in the press examples reflecting the high quality of your work.

Here a caution for you is that, because a newspaper accepts from you and uses a few of your renderings of schools and churches, this does not mean you have become accomplished in publicity. Publicity and public relations work that gets results is done by trained, experienced people, who at their best have professional skill in their field matching your own in yours. You may find it disappointing, even dangerous, to your interests and those of your clients to attempt to handle the news and picture releases for your more important projects.

Your public will like to read of your being active in your Institute—the American Institute of Architects. Within reason, and to the extent it does not take you too much away from your creative profession, your public will appreciate your taking an active part in the affairs of your community, in the leading civic and social organizations. It will be nice if the community's leaders are saying you are a man who responsibly "gets things done!"

Your public will give the man looking back at you from the shaving mirror time to wake up and to know what day it is. Clients will allow you a day now and then to get up on the wrong side of the bed. You need, though, quite consistently to be the architect and man you can get along with yourself and with little kidding of yourself involved. If you can make this grade honestly, then your share of the public will go along with you in the friendly-to-you manner you hope for.

And when you see yourself as others see you, and the inventory stands up, then you have attraction and good public relations. It follows that a chapter composed of men of similar character will enjoy the highest esteem.

Gene Glasgow in the "Potomac Valley Architect"

MIDDLE INCOME FAMILIES TO GET HOUSING HELP

A bold move is shaping up for this session of Congress to subsidize housing for middle income families, according to the Chamber of Commerce of the United States. Public housing subsidies at present are restricted to low income families, whose incomes do not exceed \$3,800 per year.

"Bills already introduced in the Senate would make available U. S. Treasury funds for middle-income housing loans at the below-market rate of 4 per cent,"

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the Chamber reported. "The principle measures are those by Senators Joseph Clark (D.-Pa.) and John Sparkman (D.-Ala.). The bills would place the government in direct competition with business in a vast new sector of the housing market. Further, the government would be attempting to force national solutions to problems that are basically local.

"National Chamber studies show that in cities where there is a middle-income housing shortage, the root of the problem lies in inequitable taxes, lax enforcement of housing codes, rent controls and other faulty policies best corrected by local leadership. . . . Testimony designed to convince Congress that housing problems are best resolved by responsible local leadership will be presented by Chamber spokesmen at the next session."

SUBURBAN MOVES OPEN WAY FOR LIGHTNING DAMAGES

An interesting footnote to the material which has been released on the great American exodus to the suburbs comes in a recent story from the Lightning Protection Institute which warns that developments sticking above the general landscape in the suburbs offer ideal focal points for the strike of lightning and there follows many a fire sparked by the lightning.

Lightning bolts—multimillion-volt shafts of pure electrical energy that regularly bombard some spot on the earth at a rate of 6,000 times per minute—cause 37% of all fires in outlying areas, the institute reported. Deprived of the "cone of protection" usually offered by skyscrapers and other tall city buildings, suburban buildings are openly vulnerable to more frequent lightning strikes.

According to the institute, losses in the U. S. from lightning alone in 1956 were 600 deaths, 1,500 injuries and more than \$100,000,000 in property damage. This is a steep climb from 400 fatalities, 1,100 injuries and \$65,000,000 property losses less than a decade ago and the institute estimated there were as much as 20% greater losses through lightning in open country this year, particularly in property damage.

"While height is a factor in a building's vulnerability, as evidenced by the fact that the 1,265-foot Empire State Building is struck on an average of 23 times a year, this factor loses its importance when a building

is isolated in the open," the institute pointed out. "Thus, many owners of low, spreading structures recently built in suburbs or the country are not fully aware of the greatly increased need for lightning protection. . . . The reliance on steel framing as a substitute for lightning rods and grounds is a common error. Actually, while a steel frame will in some cases conduct lightning safely into the ground or into the air, lightning protection installations are needed in conjunction with the frame. The reason for this is that lightning must shatter through roofing, masonry, or wood to gain access to the steel frame. Fire in the combustible material is a common result." Those interested in additional information on lightning protection can contact the institute at 53 W. Jackson Blvd., Chicago 4.

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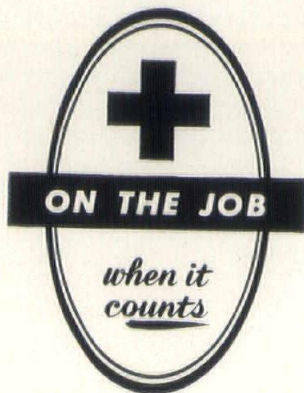


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our money—brighter prospects for the years ahead.

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REPORT GIVES NEW YARD-STICK FOR MEASURING UTILITY SERVICE COSTS

The nation's housing industry, particularly the Capehart housing program now being accelerated to accommodate armed forces personnel, has been provided with a reliable new yardstick for measuring comparative costs of utility services, the American Gas Association reported recently.

"A comprehensive survey just completed answers the long-felt need for authoritative criteria giving the correct amounts of gas and electricity required for cooking, water heating, house heating, cooling and other household purposes," A.G.A. said. "Utility services not only comprise a substantial share of household operating expenses but the correct choice of utility services has a direct effect on the design of housing and the pace of housing construction."

To indicate the national scope of the survey, the report computed costs for housing projects in 35 cities throughout the country. The cost of

gas in these 35 cities ranged from 2.0 cents to 13.75 cents per therm. Electricity rates varied from 0.628 cents to 1.892 cents per kilowatt hour. Comparisons of annual utility service costs in these cities included figures for Minneapolis.

The report is available from the order department of the American Gas Association, 420 Lexington Ave., New York 17, N. Y., at a cost of \$3.00 to A.G.A. member companies and \$5.00 to others.

RUNNER SPAN SPEX ISSUED BY METAL LATHERS

A bulletin on "Maximum Spans for Main Runners" has been issued by the Metal Lath Manufacturers Association and is available on request. It covers suspended metal lath and plaster ceilings, is on standard reference file size and punched for a ring binder to be of ready reference use for the architect.

The bulletin, which is Supplement No. 2 to Technical Bulletin No. 12, can be obtained from the associa-

tion, whose address is Engineers Bldg., Cleveland 14, Ohio.

PLUMBING-HEATING-COOLING INFORMATION BUREAU FORMED

The 38-year-old Plumbing and Heating Industries Bureau and the All-Industry Plumbing and Heating Modernization Committee, have been merged to form the new Plumbing-Heating-Cooling Information Bureau. The new bureau has the job of expanding the market for plumbing—heating—cooling products through co-ordinated promotional efforts at all levels of the industries and has its headquarters in Chicago.

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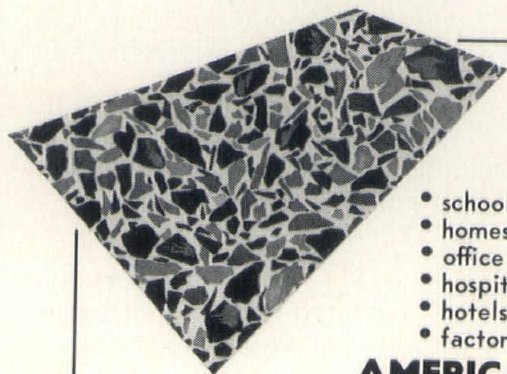


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WOOD AND ALUMINUM COMBINED IN NEW BLUMCRAFT DESIGNS

Wood has been added to aluminum to create a new concept in aluminum railing design by Blumcraft of Pittsburgh, "the warmth and elegance of natural-finished wood being combined with the structure of aluminum to develop the new post style No. 170."

A choice of select birch or American walnut trim is available to the architect to relate the railing design to the surrounding decor and color, the company said. The wood-trimmed post will be furnished to the metal fabricator in rubbed-satin finish. All of the Blumcraft adjustable features are contained in this post, which can be used with any of the stock handrail shapes.

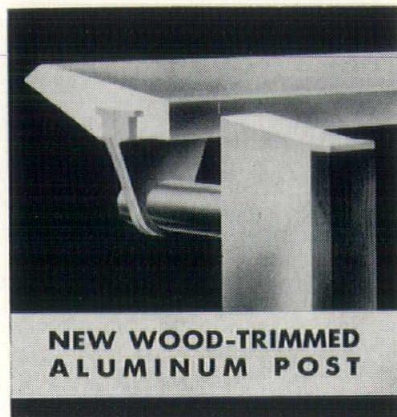
"Blumcraft railings have received enthusiastic reception by architects throughout the western hemisphere for all types of structures. By making our components available to all metal fabricators, Blumcraft has provided the architect the element of competitive bidding that is required for public projects as well as for private work," the announcement said.

"With the advent of the low cost tube-line the architect now has available two price lines of Blumcraft railings. A survey which Blumcraft made among fabricators in various parts of the country indicates that tube-line is in a price range of aluminum pipe railing. The deluxe line, because of its labor saving adjustable features, is less costly than a quality custom-built railing."

Some Blumcraft installations which have been built by local metal fabricators include:

Security Building in St. Paul; by Minnesota Fence & Iron Works, fabricator; James Speckmann, architect.

City Hall & Court House in Minneapolis; by Stanley Iron Works, fabricator; Saul Charles Smiley, architect.



**NEW WOOD-TRIMMED
ALUMINUM POST**

Parish of St. Michael in Gaylord; by Baker Iron Company, Minneapolis, fabricator; A. J. Ross & Assoc., Mankato, architects.

Camden State Bank in Minneapolis; by C. W. Olson Company, fabricator; Brandhorst & Leadholm, architects.

Minneapolis Educational Association in St. Paul; by Crown Iron Works, fabricator; Haarstick, Lundgren & Assoc., architects.

State Highway Office Building in Brainerd; by Minnesota Fence & Iron Works, fabricator; Stegner & Hendrickson, architects.

Minnesota Mining & Mfg. Co. in St. Paul; by Flour City Ornamental Iron Co., fabricator; Private Plans.

Olmsted County Courthouse in Rochester; by Standard Iron & Wire Works, fabricator; D. M. Robbins, Rochester, architect.

William Mitchell College of Law in St. Paul; by George Shetka & Sons, fabricator; Ellerbe & Company, architects.

North Star Concrete Company in Mankato; by Mankato Ornamental Iron Co., fabricator; Wick & Stansfield, architects.

Hennepin County Juvenile Center in Minneapolis; by Artistic Iron Works, fabricator; Liebenberg & Kaplan, architects.

Architects desiring a copy of the new 1958 catalogue M-58 can write to Blumcraft of Pittsburgh, 460 Melwood Street, Pittsburgh 13, Pa.

McQUAY CONDUCTS TRAINING SESSIONS

The first of a series of twelve two-day regional product training sessions will be conducted for representatives of McQuay, Inc., Minneapolis, manufacturers of heating, air conditioning and refrigeration equipment, it was announced by G. G. Workinger, sales manager.

The first two schools have already been held and others are being scheduled. Willard B. Buck, McQuay manager of field sales, and Alvin R. Flynn, sales manager of heating and air conditioning units, will conduct the sessions and discuss the new modification and additions to McQuay's expanding product lines.

SHADOWAL PORTFOLIO AVAILABLE TO ARCHITECTS, OTHERS

A portfolio to aid in design of buildings where the new pattern-making type of concrete block is to be used has been made available to architects and others in the design and construction fields by Marshall Concrete Products, Inc., Minneapolis.

The folio deals with the company's striking Shadowal blocks and designs incorporating them into exterior and interior walls and special site structures. It is available free and can be obtained by writing the company at 2610 Marshall St. NE., Minneapolis 18.

The Shadowal blocks have been used increasingly in recently completed structures in this area and are of particular interest where large expanses of block wall are part of a design, as in a warehouse or factory. The pattern created by the blocks helps brighten the wall spaces.

MMM ISSUES CHECKLIST OF BUILDING PRODUCTS

An eight-page booklet listing more than 50 products for all phases of the construction industry can now be had free from Minnesota Mining and Manufacturing Co., Dept. F7-

NORTHWEST ARCHITECT

406, 900 Bush Street, St. Paul 6, Minn., under the title "Products for Construction."

Profusely illustrated with product-in-use pictures, the booklet is especially designed to help architects, engineers and contractors specify types of construction materials. It is divided for easy reference into type of specification and use areas, architectural, electrical and mechanical. The publication offers general descriptive data on adhesives, pressure-sensitive tapes, reflective materials for signs and markings, non-slip surfacing, sealers, insulative and protective coatings, electrical connectors and splice systems.

PELLA INTRODUCES SNAP-IN MUNTIN BARS

Muntin bars that snap in and out are a new feature of Pella multi-purpose, casement and Twinlite windows manufactured by the Rolscreen



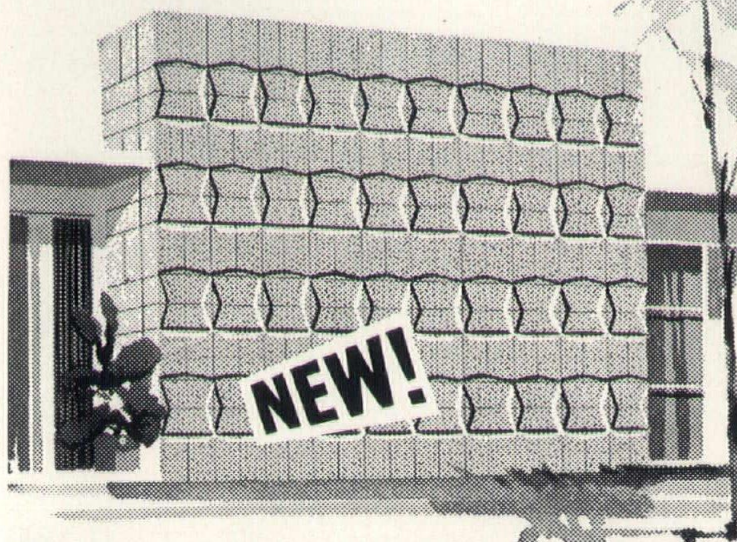
Company, Pella, Iowa. Using only the horizontal bars, contemporary effects can be achieved, while the multi-pane arrangements, which are steel-pinned at intersections, create the often-desired traditional look with new ease of upkeep.

The muntins, made of toxic-treated clear western pine, are set securely into inside sash with hidden ball-and-socket connectors. Protected by the outer glass panel, they can easily be removed for painting and window washing.

The new removable muntin bars are offered as optional features throughout Pella's complete range of window sizes. Particulars can be secured from Pella Products Co., distributors, Minneapolis, Minn.

JANUARY-FEBRUARY, 1958

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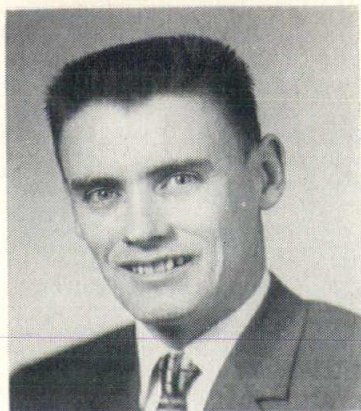
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Mr. McGowan

McGOWAN NAMED VICE-PRESIDENT OF CASEWIN

John S. Paul, president of Casewin, Inc., has reported appointment of Richard J. McGowan as vice-president of the company. Mr. McGowan has been associated with the architectural and engineering industries since 1948, when he worked for the State of Minnesota Conservation Department.

He served two years in the army as an artillery survey specialist during the Korean campaign and received an honorable discharge in

1953. He was employed by Truscon Steel Division in the metal window department before joining Casewin, Inc., in November of 1956.

Mr. McGowan's duties will include governing the company's sales program for metal window, curtain wall and hollow metal products.

GRANCO ANNOUNCES THREE-HOUR CELLULAR FLOOR TEST

A completely electrified cellular floor system made by Granco Steel Products Co. has withstood a standard fire endurance test for three hours, Paul K. Nichols, company general manager, has announced. The fire test, conducted by Underwriters' Laboratories, was made on a floor slab constructed of Granco's Cofar and the new E/R Cofar unit. Cofar is made of deep-corrugated galvanized steel sheets with T-wires (transverse wires) welded across the corrugations. It serves as a tight form for wet concrete and becomes the main positive reinforcement when the concrete sets.

The E/R Cofar units are steel troughs capped to form raceways through which wiring can be pulled to desk and office machine locations. E/R Cofar units are used in conjunction with the Cofar to form the electrified cellular floor system in reinforced concrete floors.

The test floor slab was subjected to the ASTM Specified Fire Endurance Test, Mr. Nichols reported. The floor slab was 4½ inches deep with a design live load of 130 pounds per square foot. The Cofar units were 24 gauge galvanized corrugated steel and the E/R units were 16 and 18 gauge steel.

Fireproofing was accomplished by machines applying Coralux Perlite Acoustical Plaster ¾" to the underside of the entire floor except under junction boxes, where thickness was increased to 2". The CPAP is manufactured by F. E. Schundler & Co., Joliet, Ill., who sponsored the fire test jointly with Granco.

The test slab formed the top of the furnace with the underneath side directly exposed to fire. Temperatures in the furnace reached 1,900 degrees Fahrenheit. The floor withstood the requirements for three hours and the beam supporting the



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Structural Clay Products Institute
Region 6

Ames, Iowa

floor withstood requirements for four hours.

Keelor Steel, Inc., Minneapolis, is the distributor for Granco in this area.

SCPRF RE-ELECTS OFFICERS

The four officers of the Structural Clay Products Research Foundation who headed the organization during the past year were re-elected at a recent meeting in White Sulphur Springs, West Va. Roy A. Shipley, president of Natco Corp., Pittsburgh, was re-elected chairman and William A. Crossan, president of Metropolitan Brick, Canton, Ohio, was re-elected vice-chairman.

The re-elected secretary is Harry C. Plummer, director of engineering and technology for the Structural Clay Products Institute, Washington, D. C. A. C. Frisk, president of the Mason City Brick & Tile Co., Mason City, Iowa, was renamed treasurer. Robert B. Taylor is director of SCPRF with headquarters in the laboratories in Geneva, Illinois.

A 35-man board of management was elected to assist in the direction of SCPRF. M. C. Madsen, Twin City Brick Co., St. Paul, was elected for Minnesota.

Membership in the Structural Clay Products Research Foundation is composed of brick, structural tile and architectural terra cotta manufacturers who have joined their research efforts into one foundation. In the SCPRF laboratories in Geneva, Ill., a staff of clay products researchers are working on processes and products to bring high quality clay products to the public at the lowest cost.

At the same time the Structural Clay Products Institute announced two of their largest traveling industrial shows sponsored by the brick, tile and terra cotta people under the title of "The Hard Sell" for sales people and "Merchandising Magic With Brick" for local home building groups.

Both shows will follow a six-weeks itinerary which will put the "Hard Sell" show in Des Moines, Iowa, on March 10 and Minneapolis on March 11 and the "Merchandising Magic" show in St. Paul on March 12.

AUTO BANK MANUAL COMPLETED BY MOSLER

Completion of a definitive plans manual on auto banking has been announced by the Mosler Safe Company. The illustrated book contains plans, photos and architect's sketches of every type of drive-in installation in present use.

Shown are complete plans for 51 different drive-in installations in banks throughout the U. S. Also included are plans for 12 installations

where banks had special problems due to lack of driveway space. Basic patterns and essential features are shown along with diagrams giving dimensions for various parking angles.

Facilities illustrated are perimeter, bay, island cubicle, island building, island building with overhead connection, multiple cubicle, and drive-thru. All Mosler sales personnel have copies of the manual which are available for examination by bankers, architects and builders.

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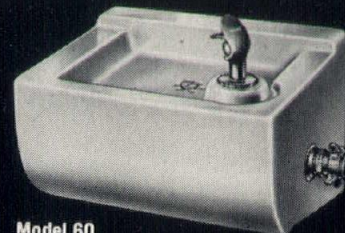


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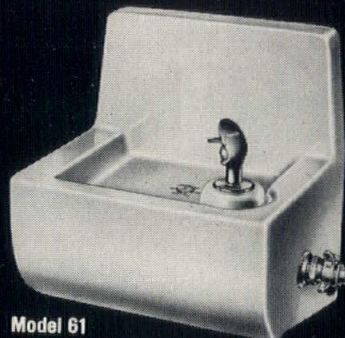


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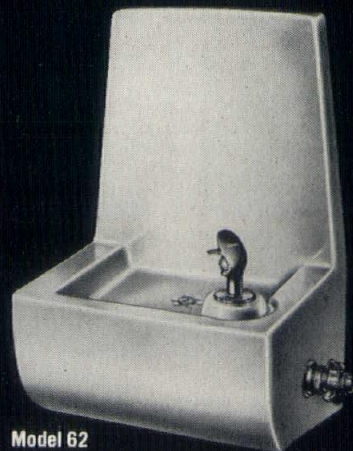
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Model 62



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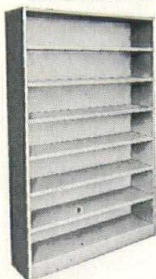
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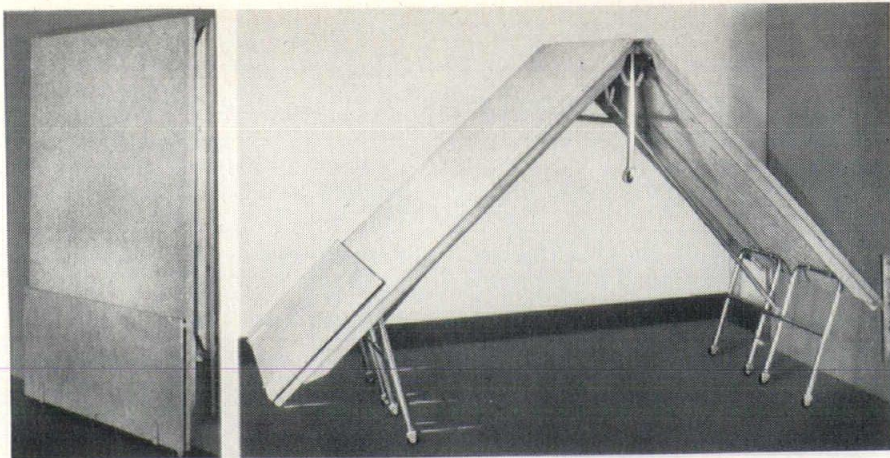
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521 Lowry Ave. N.E., Minneapolis 18, Minn.

HALDEMAN-HOMME AN- NOUNCES FOLD-AWAY STAGE

A new stage that "folds-a-way" into the wall, out of the way, in seconds, has been announced by Halde- man-Homme Mfg. Co., St. Paul. The stage's action and rugged con- struction give the double advantage of a full-sized stage plus immediate availability of all floor space in a gymnasium, auditorium, hall or other gathering area.

The stage is the newest addition to the manufacturer's line of nation- ally distributed Erickson "fold-a-



way" lunchroom tables with benches, in-wall tables, banquet tables, port- able-type stages, band-orchestra stands and choral risers. Erickson products feature a patented "fold-a- way action" that permits full-sized equipment to be folded to a fraction of its size for extreme portability and compact storage, the company said.

"The new stage is versatile," the announcement said. "Any size re- quirement is readily solved by inter- locking basic units. Each unit sets it- self up, at the touch of a latch, by hydraulic action. A specially engi- neered hydraulic cylinder controls unfolding automatically. One man can unfold a typical installation of units in minutes, with no wasted effort.

"Each unit folds into a shallow re- cess only 8 inches deep or it can be mounted on the wall. Heavy-duty 9-ply 1 1/8 inch plywood provides a safe, substantial platform. Under- structure is 1-inch steel tubing to withstand plenty of action on the stage. Platforms have attractive, durable 'speckleton' finish. Un- derstructure is Zinc Irydite plated. Simple mounting secures stage in wall recess or flat on wall."

Further information can be had from Halde- man-Homme Mfg. Co., 2580 University Ave., St. Paul 14, Minn.

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FIXTURE TRADE SHOW SET

Purchases of store, office and bank fixtures are at an estimated level of \$200,000,000 annually, according to R. L. Strauss, executive secretary of the National Association of Store Fixture Manufacturers, in announc- ing the group's trade exposition in conjunction with the third annual convention in the Conrad Hilton Hotel, Chicago, March 27-28.

NORTHWEST ARCHITECT

FISCHER SUCCEEDS BARTLEY IN MINNEAPOLIS FIRM

E. W. Bartley resigned as president and a director of Bartley Sales Co., Inc., Minneapolis, Minn., effective January 31, and his stock was purchased by the remaining directors.



Mr. Fischer

A. J. Fischer was elected president to succeed Mr. Bartley and J. B. Bissell was made vice-president, H. A. Bielke, treasurer, and H. J. DeLay, secretary.

The company was established January 1, 1928, at its present address. The present corporation purchased the business January 1, 1955, having been organized in 1951 for that purpose.

KIMBLE ANNOUNCES NEW GLASS BLOCK CATALOG

The new 1958 catalog describing Owens-Illinois glass block, its uses, functions and installation methods is available from Kimble Glass Company, Toledo, Ohio, an Owens-Illinois subsidiary which manufactures the glass block. The new edition lists the various decorative and functional patterns, including the newest designs in solar-selecting glass block. Details of the functional advantages of both solar-selecting and light-directing designs are also provided.

ST. PAUL IN FIBERGLAS "COMFORT CONDITIONED HOME" PROGRAM

St. Paul, Minn., has been selected as one of 52 major cities where Owens-Corning Fiberglas will conduct its new, nationwide "Comfort Conditioned Home" program, the company has reported.

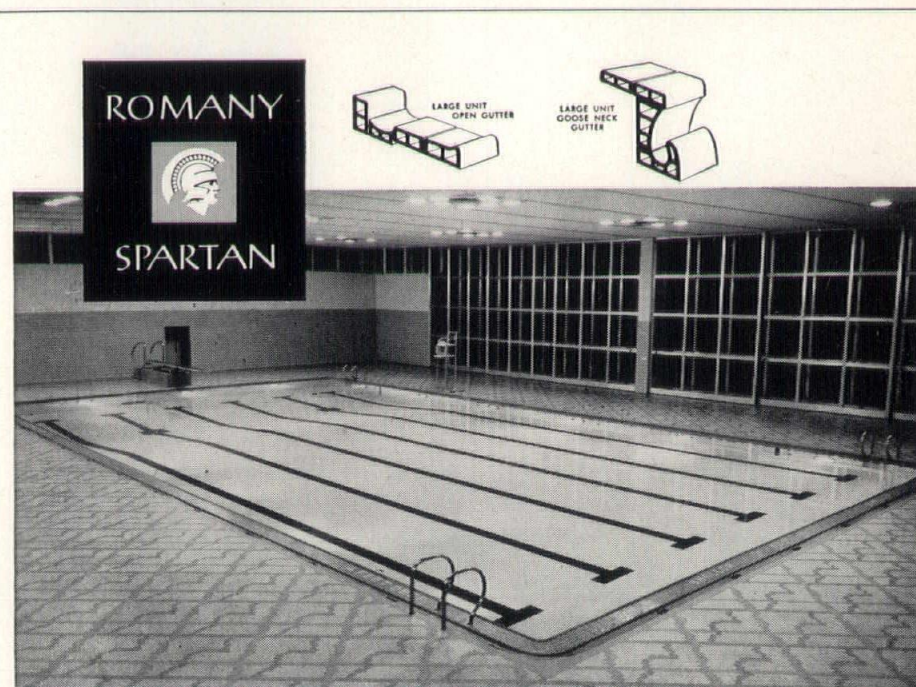
"St. Paul was chosen because its builders have achieved national reputation in the number and quality of the homes they have built in the past years, the announcement said.

"This broad, multimillion-dollar, industry-wide campaign," emphasized Harold Boeschstein, OCF president, "is the greatest and most comprehensive in our company's history and the largest single builder-aid program being undertaken in 1958 by any company in the building industry."

More than 200 of the country's

top builders are expected to cooperate in this industry program, along with utility companies and appliance, heating and air-conditioning manufacturers.

"For the past several years," Mr. Boeschstein said, "the homebuilding industry has been out-promoted by the more aggressive marketing campaigns of other industries. We believe the 'Comfort Conditioned Home' program, which was developed in cooperation with many key builders, is a major step in meeting such competition."



Wyandotte Memorial Pool, Wyandotte, Michigan

For better, more attractive pools specify ROMANY-SPARTAN TILE

In addition to the permanence and low maintenance cost of ceramic tile pools, Romany-Spartan tile offers these distinct advantages:

CLEANLINESS. Because of its extremely non-porous nature, Romany-Spartan tile prevents absorption of impurities, chemicals and body oils.

SAFETY. Runways and decks of Romany-Spartan unglazed units are less slippery. For even greater safety, abrasive may be added.

LOWER COST. New "Quickset" mounting, designed especially for faster conventional

or thin mortar-bed setting of ceramic mosaics, speeds installation, reduces finished cost.

BEAUTY. Romany-Spartan's greater variety of sizes, shapes, textures and colors—glazed and unglazed—offer unlimited latitude in design.

The line is complete, even to goose neck and open scum gutters. For tank linings, runways and decks, and for floors and walls of shower, locker and toilet rooms, there's a Romany-Spartan tile to meet your exact needs. If you'd like more information or design help, call:



Rollin B. Child

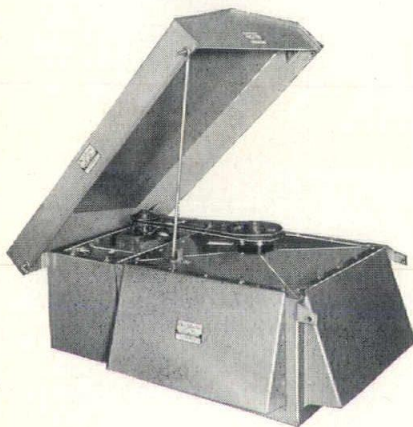
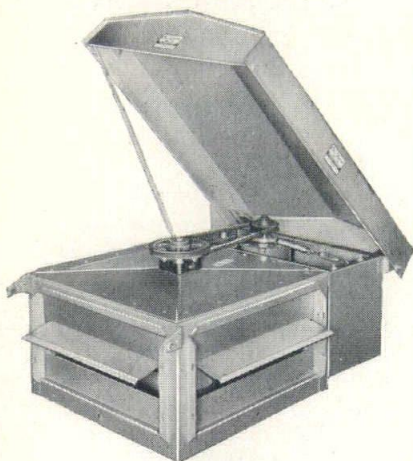
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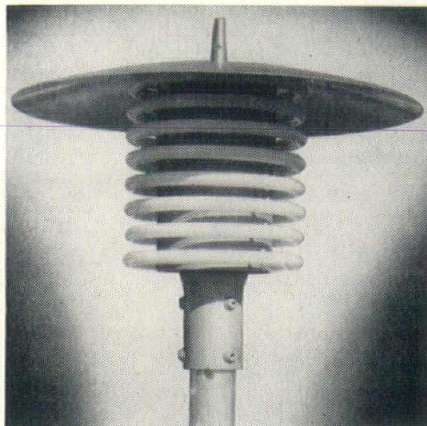
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OUTDOOR FLUORESCENT IS COLOR CORRECTED

Latest addition to the Kenworth line of outdoor lighting devices is the "Circa-Lite" pictured here. This new luminaire utilizes standard 40-



watt circular fluorescent lamps available everywhere. As many as 8 lamp "modules" can be placed on each pole, simply by plugging the modules into each other. Thus the light output can be varied from 2,500 to 20,000 lumens to meet various lighting requirements.

The Circa-Lite provides a high level of light, without glare or color distortion, and has an attractive architectural beauty that blends with any location. It is especially easy to install and to maintain. All components are aluminum, including the poles which are high-strength extrusions up to 20 feet mounting height. Three types of bases are offered—one of which is hinged so the luminaire can be serviced from the ground.

The line is made by The Kenworth Company, Winsted, Minnesota.

CATALOG LISTS AVAILABLE FRENCH ARCHITECTURAL PERIODICALS

A catalog listing French magazines on architecture now available in the U. S. through news dealers, book shops, department stores and direct subscriptions has been issued by Hachette, French publishing house whose U. S. representative is European Publishers Representatives, Inc.

"French design, home styling and furnishings through the centuries have greatly influenced the pattern of gracious living," Machette said. "Periodicals from France will permit a constant appraisal of developments and events in that country. Today as yesterday French ideas contribute to modern architecture and design." A copy of the catalog can be obtained from European Publishers Representatives, Inc., 1475 Broadway, New York 36, N. Y.

U. S. PLYWOOD BROCHURES OFFER IDEAS

Two new, full-color brochures designed as sales aids to help architects and others in the industry advise homeowners on improving or remodeling their rooms have just been published by United States Plywood Corporation. Both brochures have been given awards in the "1957 Ideas for Home Builders" contest conducted by The Producers' Council.

One of them, "Family Rooms in Beautiful Weldwood," gives 100 illustrated specific suggestions for (among other items) remodeled rooms, enclosed waste space, cus-



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tom-built furniture and built-in cabinets and shelves. The other, "Weldwood Prefinished Paneling," is a completely illustrated catalog of the types and species of prefinished wood panels and moldings available from U. S. Plywood, together with information on how to select, install and maintain them.

Both brochures can be obtained by writing to United States Plywood Corporation, Service Bureau, 55 West 44th Street, New York 36.

NEW GRADE OF PLEXIGLAS ANNOUNCED

Production of unshrunk cast acrylic sheet, designated Plexiglas G, has been announced by Rohm & Haas Company, Philadelphia, Pa. The new grade is priced 2 cents per square foot lower than the company's standard commercial sheet, Plexiglas R. Its introduction has been made possible by development of a manufacturing process that eliminates heat treatment as the last step in production, without adversely affecting the quality of the sheet.

"In addition to lower cost, Plexiglas G provides maximum flatness for applications that do not involve forming such as glazing," the announcement said. "It also has the advantage of uniform shrinkage for uses where sheets are silk screened or cut to size in the flat before forming."

Detailed price lists and information on the new unshrunk sheets can be obtained from Rohm & Haas Company, Plastics Department, Washington Square, Philadelphia 5, Pa.

VENT-SILENCER BROCHURE

A brochure describing the new Quiet-Vent silencer which filters out sound from return air vents is available from the Air Conditioning Department, Industrial Acoustics Company, Inc., 341 Jackson Avenue, New York 54, New York.

"These unique silencers, which prevent the transmission of noise without impeding air passage, are finding wide usage in offices, hospitals, hotels, etc., where freedom from disturbing noises and conversational privacy is of utmost importance," the company said.

LOOS ON STAFF OF ST. PAUL STRUCTURAL STEEL

Dave Loos, native of Colby, Wis., and graduate of the University of Wisconsin, has joined the sales en-



Mr. Loos

gineering staff of St. Paul Structural Steel Co., Thomas H. Comfort, president, has announced. A 1950 graduate of Colby high school, Mr. Loos received his bachelor of science degree in civil engineering from the University of Wisconsin in 1954. Two years of Air Force service as a base installation engineer in England followed. Before joining the St. Paul steel fabricating firm, Mr. Loos was engaged in a family machine shop business in Colby.

KENTILE HAS NEW CATALOG

A new, full-color catalog of Kentile Vinyl Asbestos tile has been

issued by Kentile, Inc. Pages of the catalog reveal vinyl asbestos installations in full color, demonstrating how the harmonious tones of this flooring can be used.

"Emphasis is given to the long-wearing, easily maintained surface of Kentile Vinyl Asbestos tile which stays smooth through the years of heavy foot traffic, resisting chipping, cracking or marring, without drying out or becoming brittle," the release said.

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MILL PRIMING OF WOOD SIDING DISCUSSED

Mill priming of siding is receiving much publicity and some of it is misleading, according to John Reno of the Pacific Lumber Co.

"In the first place the term 'mill priming' is being given to mill treatments with water-repellent preservatives. This is not correct since these treatments do not remove the need for priming with paint," he said.

"The most widely used mill treatment is dipping into a clear water-repellent preservative solution like Nelsonite 30P5, Penta WR, Woodlife or Woodtox, or into Lifeprime White which is a liquid somewhat like Woodlife to which a small amount of white pigment has been added. Vacuum impregnation with these products has also been done.

"These types of mill treatment protect the siding against paint blistering and staining caused by rain water which gets back of the siding. Almost equal protection against rain water can be had by generously applying these and similar products by brush to the backs and ends of

siding just before putting the siding on the building.

"As mentioned previously these types of treatment do not take the place of a prime coat of paint or reduce the number of coats of paint needed to do a good paint job. The United States Forest Products Laboratory still recommends three coats of paint whether or not the siding is treated with a water-repellent preservative. The treatment does not add to the life of the paint job, except that it protects against rain-caused paint blistering.

"The next question is whether paint blistering due to rain water occurs often enough to warrant the extra cost of mill treating with a water-repellent preservative? Or, is the promotional value of being able to say that siding is treated against rain-caused paint blistering great enough to cause one to pay more for mill-treated siding?

"Treating with a water-repellent preservative offers very little protection against paint blistering and staining caused by the movement of water vapor through the walls from high humidity inside a house. The

only real protection against this trouble is the use of a vapor barrier on the warm side of the exterior walls.

"Mill priming with a regular paint is very risky. This is so because it is necessary that the second and third coats of paint be of a type that will work satisfactorily with the prime coat. As a matter of fact, the only really safe way is to use a priming paint and a finishing paint made by the same manufacturer. Since there are five popular types of white house paints and scores of paint manufacturers, you can see that mill priming with a regular paint presents a real danger.

"So-called back priming on the job with regular paint as practiced today is a waste of money. However, back and end-coating with a water-repellent as described above is recommended."

SCHOOL LIGHTING PRESENTED

Garcy Lighting has prepared a brief and nontechnical outline of the essentials of good school lighting. The booklet provides a basic under-



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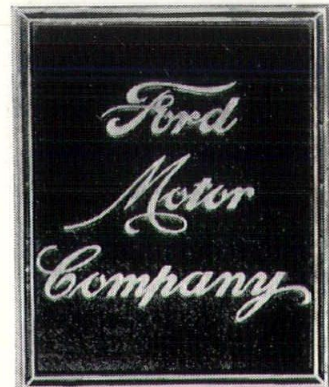
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standing of factors that make for efficient illumination in class room and secondary areas in schools. Questions of how much light is needed, what makes for comfortable lighting and the economics of lighting fixture selection are explained. Copies of "What to look for in school lighting" are available on request from Garcy Lighting, 2475 Elston Avenue, Chicago 47, Illinois.

TOSTESON NOW ON INSULATION SALES ACOUSTICAL STAFF

Richard E. Tosteson has been added to the acoustical division staff of Insulation Sales Company, according to Douglas Dunsheath, president of the company.



Mr. Tosteson

Mr. Tosteson represented suppliers to the building industry in the field of low temperature insulation and acoustical products from 1948 to 1958 and is a graduate of the University of Minnesota in architectural engineering. He will work primarily with architects and contractors on the new products under the brand name of Celotex.

MACHINES ADDS AND SUB- TRACTS IN FEET AND INCHES

Designed for architects, builders and contractors is a special adding machine that adds and subtracts feet, inches and fractions of inches.

"Performing these functions without the necessity of converting common fractions to their decimal equivalents, this versatile machine assures complete accuracy and helps save considerable time in architectural problem solving," according to the maker, Victor Adding Machine Co.

This Victor special feature portable, available in hand or electric models, adds and subtracts any fractional parts of an inch—16ths, 8ths, 4ths, or $\frac{1}{2}$'s. When a total is taken, a true answer of the total feet, inches and fractions of inches is printed. The clear detail tape shows all essential figures of the problem and the answer.

Listing capacity is 99,999 ft. 11 $\frac{15}{16}$ in.; totaling capacity 999,999 ft. 11 $\frac{15}{16}$ in. For additional information write to Special Machines Dept., Victor Adding Machine Co., Chicago, Ill.

FOAMGLAS FOR PERIMETERS BULLETIN ISSUED

A new four-page brochure, "Foam-Glas for Perimeter Insulation for Industrial, Commercial and Residential Construction," has been published by the Pittsburgh Corning Corporation. With the trend toward the use of concrete slabs on grades, perimeter insulation has become an important consideration in building design.

The publication is intended as a

reference booklet for architects, engineers and contractors. It contains complete information on the recommended procedures in the use of FoamGlas insulation for perimeter applications. It presents detail drawings and recommended application specifications for foundation walls and slab borders, and also where installations feature perimeter duct heating.

The brochure is available from the Pittsburgh Corning Corporation, One Gateway Center, Pittsburgh 22, Pa., and may be obtained by asking for Booklet No. FB-103.

EIGHT MILES OF TROFFERS LIGHT NEW INSURANCE BUILDING

Eight miles of lighting troffers, which required nearly 50 tons of aluminum to manufacture, light the principal work areas of the new State Mutual Life Assurance Company of America building in Worcester, Mass.

The new multi-million dollar building is located two miles from downtown Worcester and is creating considerable architectural interest because of its "organizational chart" type of layout. In this concept, executive offices are located in the core areas of the building, enabling executives to confer with each other and also with their own work staffs located in nearby work areas around the periphery of the building.

It is felt that this "organizational chart" type building provides maximum conditions of work efficiency in terms of space, work flow, communications, light and comfort. Lighting fixtures were by Smithcraft.

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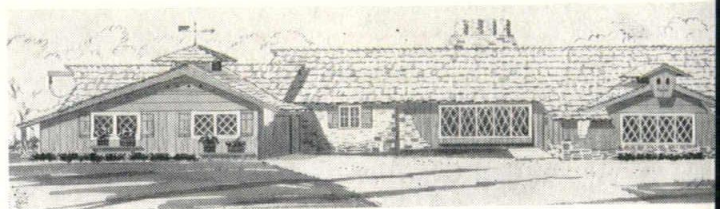


Cinderella Chooses Redwood

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.



BUILD WITH REDWOOD

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

1 x 6, 1 x 8, and 1 x 12 rough boards and 1 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.

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