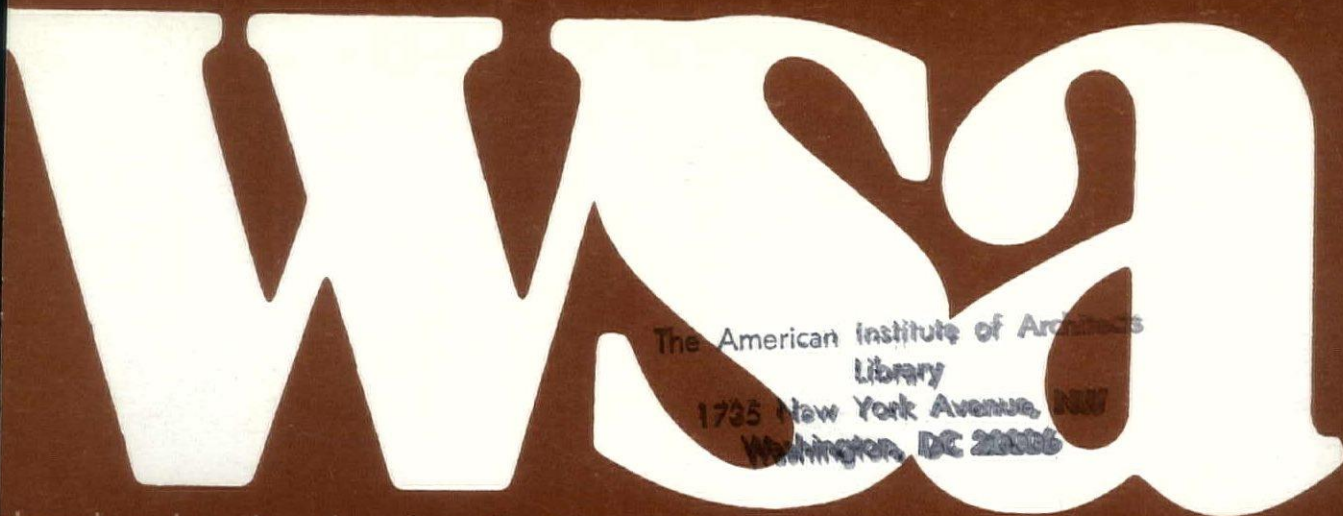




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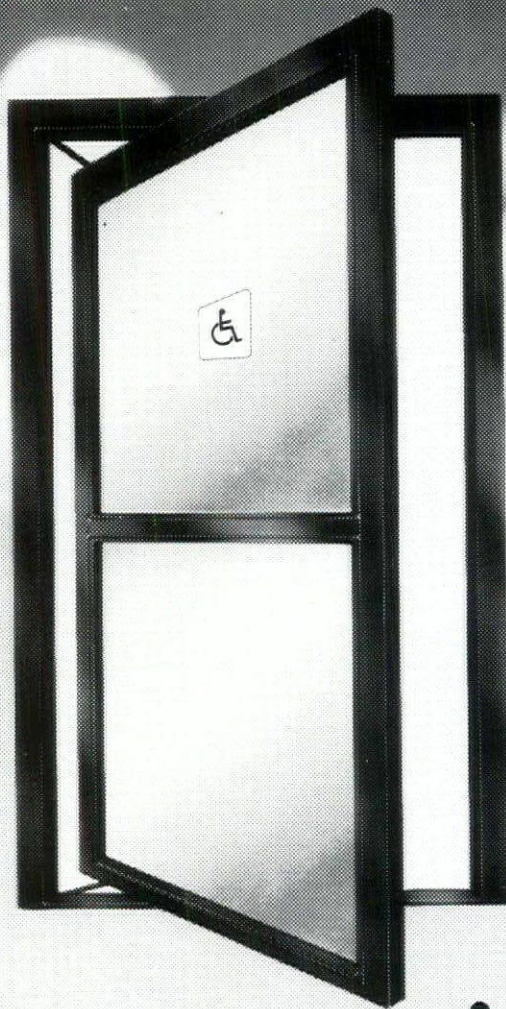
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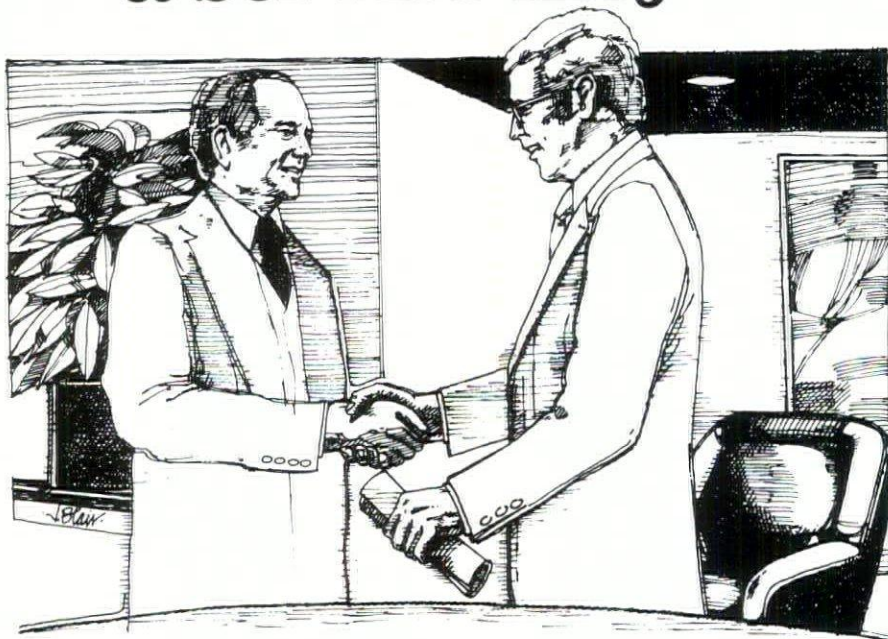
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October and November Issues

By Dan Murrish, AIA.

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Are You Covered By Your Firm's Professional Liability Insurance Policy?

By Eric Englund

The recent increase in malpractice claims against all professionals has resulted in professional liability insurance becoming an increasingly important part of modern-day practice. While there appears to be an increased awareness by architects of the importance for professional liability insurance, the specific nature of the coverage that they ultimately obtain is sometimes not fully explained or understood. A perfect example is the determination of the scope of coverage provided by the policy as it relates to individual employees and their past, present and future activities. In other words, **who is covered?**

In order to determine whether any individual is covered by the insurance policy, a review of the policy is mandatory. Typically, the determination of who is covered is provided by the definition of the "insured". **Check the wording of the individual policy.** The definition of the "insured" normally includes the firm and may also include those principals specifically named on the policy. Employees are usually provided protection under the policy for professional services performed for or on behalf of the "insured".

Be aware that in many instances **no coverage** is provided to principals or employees for activities they undertook when they were not within the employment of the current firm. For instance, if the ABC Company is the named insured and partner A had previously been a partner or employee of the XYZ Corporation, which is now dissolved, partner A would have no coverage for any errors or omissions that occurred during his tenure with the XYZ Company.

This situation can easily be remedied. Partner A should be identified as a named insured on the

policy which is in full force and effect for the ABC Company.

A similar situation can arise when a principal or employee leaves the employment of the "named insured" (the ABC Company). A specific endorsement of the policy should be requested to protect the principal or key employee from claims which might arise out of professional services which were rendered while they were a member of the firm.

Don't wait for merger, disillusion, death, corporate reorganization, or a claim to give you cause to undertake a detailed review of your insurance coverage. Take the time to review the policy **now** to determine the full scope of coverage and to satisfy yourself that you as an individual are covered. If your agent tells you not to worry and assures you that there is a full scope of coverage which covers prior employment, prior acts, retirement, etc., confirm that assurance by a letter to the agent.

A claim against a professional alleging liability is bad enough, but it can be severely compounded when the insurance company denies coverage because the alleged error is not within the scope of the insurance policy. Unfortunately this situation arises more often than it should and it is incumbent upon each architect to fully understand the scope of the coverage that is being purchased in order to satisfy themselves that they are indeed fully insured.



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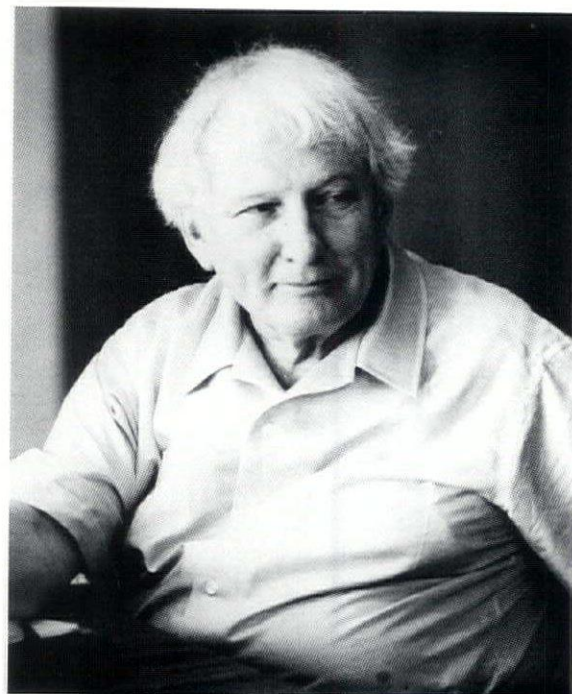
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1980 Awards For Excellence In Architecture

In the October issue the Wisconsin Architect presented nine of the eighteen Awards for Excellence in Architecture. This issue includes the other nine Awards. These eighteen projects were judged as best solving the design problems presented by the owner.

Pictured are the three members of the jury. They are Charles Herbert, FAIA, Des Moines, Iowa; James D. Ferris, FAIA, Chicago, Illinois; and Louis R. Lundgren, FAIA, St. Paul, Minnesota.



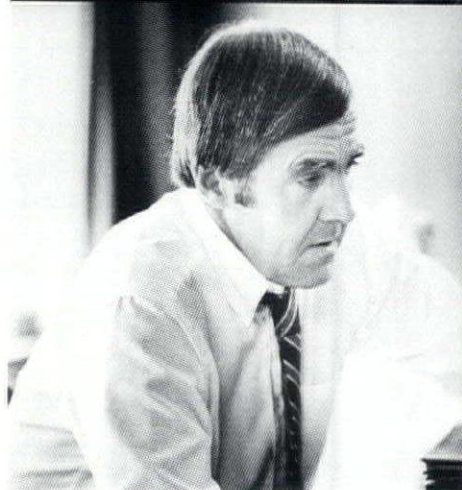
In commenting on the quality of all of the 70 entries, the jurors noted the following:

"The Wisconsin Architects who have submitted entries are to be congratulated, one and all. We saw projects that were large and complex, as well as very small with low budgets. For both extremes the projects were handled generally with skill and with taste. The great number of entries dealing with rehabilitation of existing projects reflects a new direction in American Architecture and an ability on the part of Wisconsin Architects to meet this new direction and need."

The Awards Certificates were presented to the architects, owners and contractors by WSA President Noble Rose, AIA and Robert Yarbrow, AIA, Chairman of the Awards Committee at the Honor Awards Dinner which took place October 8, 1980 in Milwaukee.

The Honor Awards Boards and the oak display standards will be on exhibit in Milwaukee, Madison, and Eau Claire. This display is also available for exhibition in other areas of Wisconsin. Contact the WSA office in order to make the appropriate arrangements.

wisconsin architect/november, 1980



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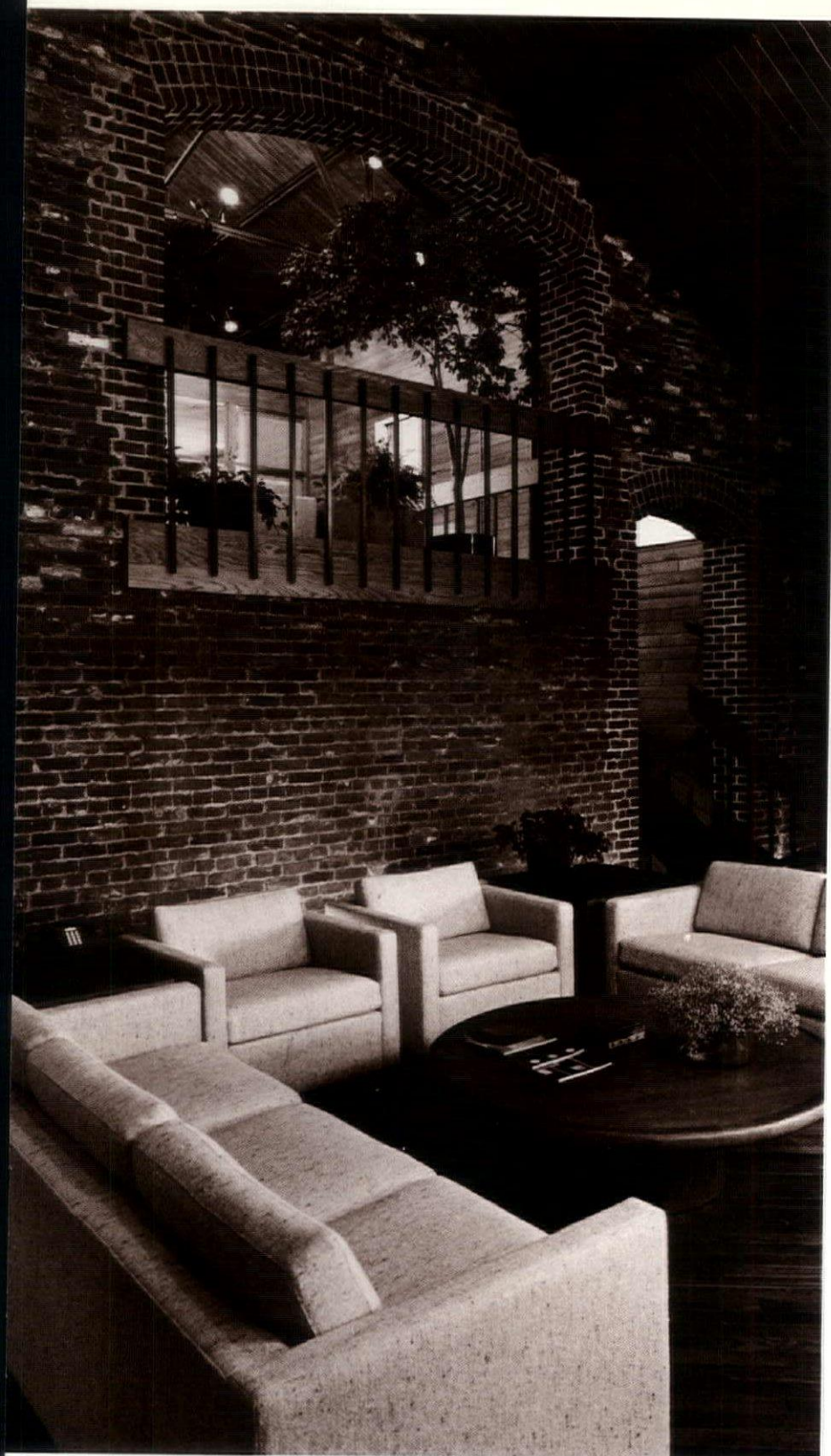
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Jury Comments:

An excellent example of rehabilitation and restoration of an existing building. Interior walls, floors, and high loft spaces all nicely coordinated into the final design solution. A very sensitive renovation of an aging landmark.

Architect:

Brust-Zimmerman, Inc.
7707 Harwood Avenue
Milwaukee, Wisconsin 53213

Project:

Wausau Paper Mills
Headquarters
One Clark's Island
Wausau, Wisconsin 54401

Owner:

Wausau Paper Mills
One Clark's Island
Wausau, Wisconsin 54401

Consultants:

Electrical —

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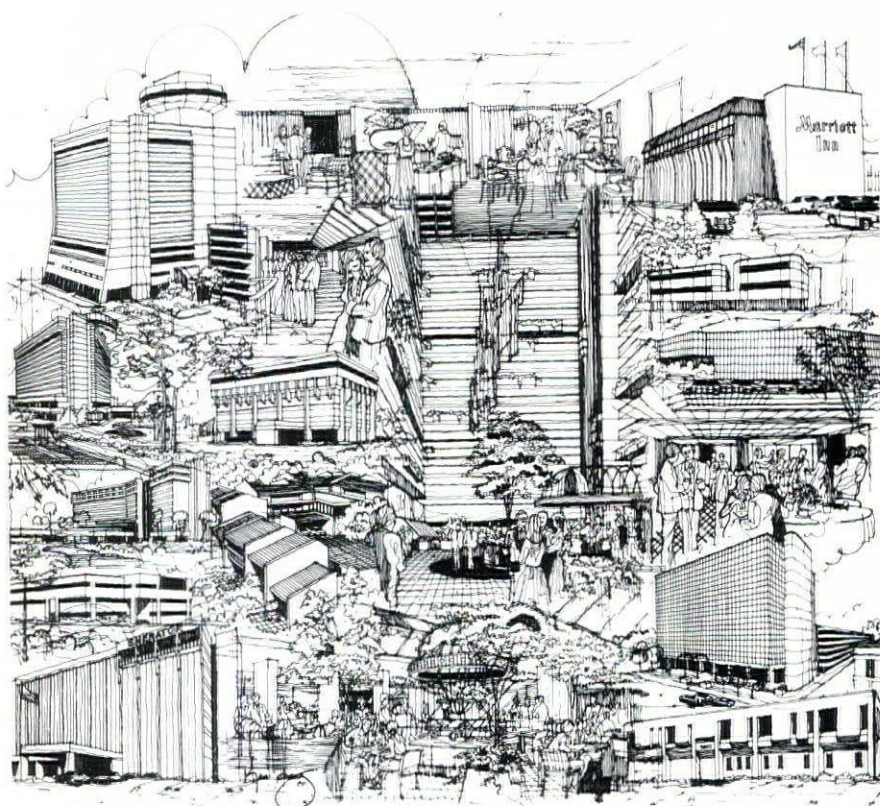
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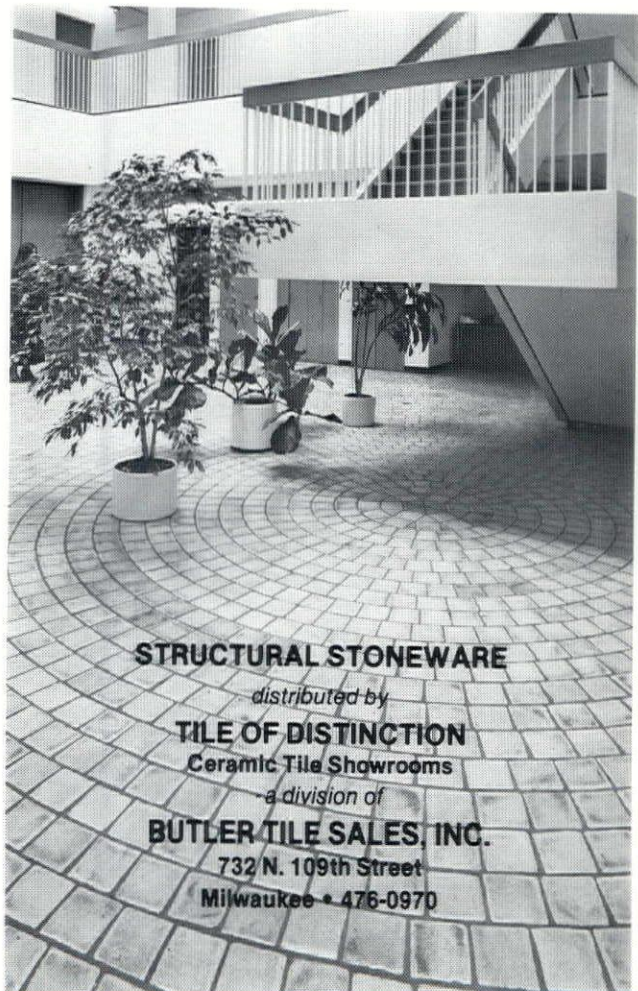
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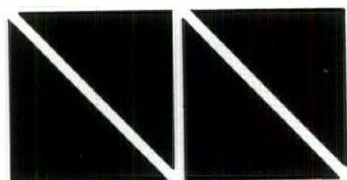
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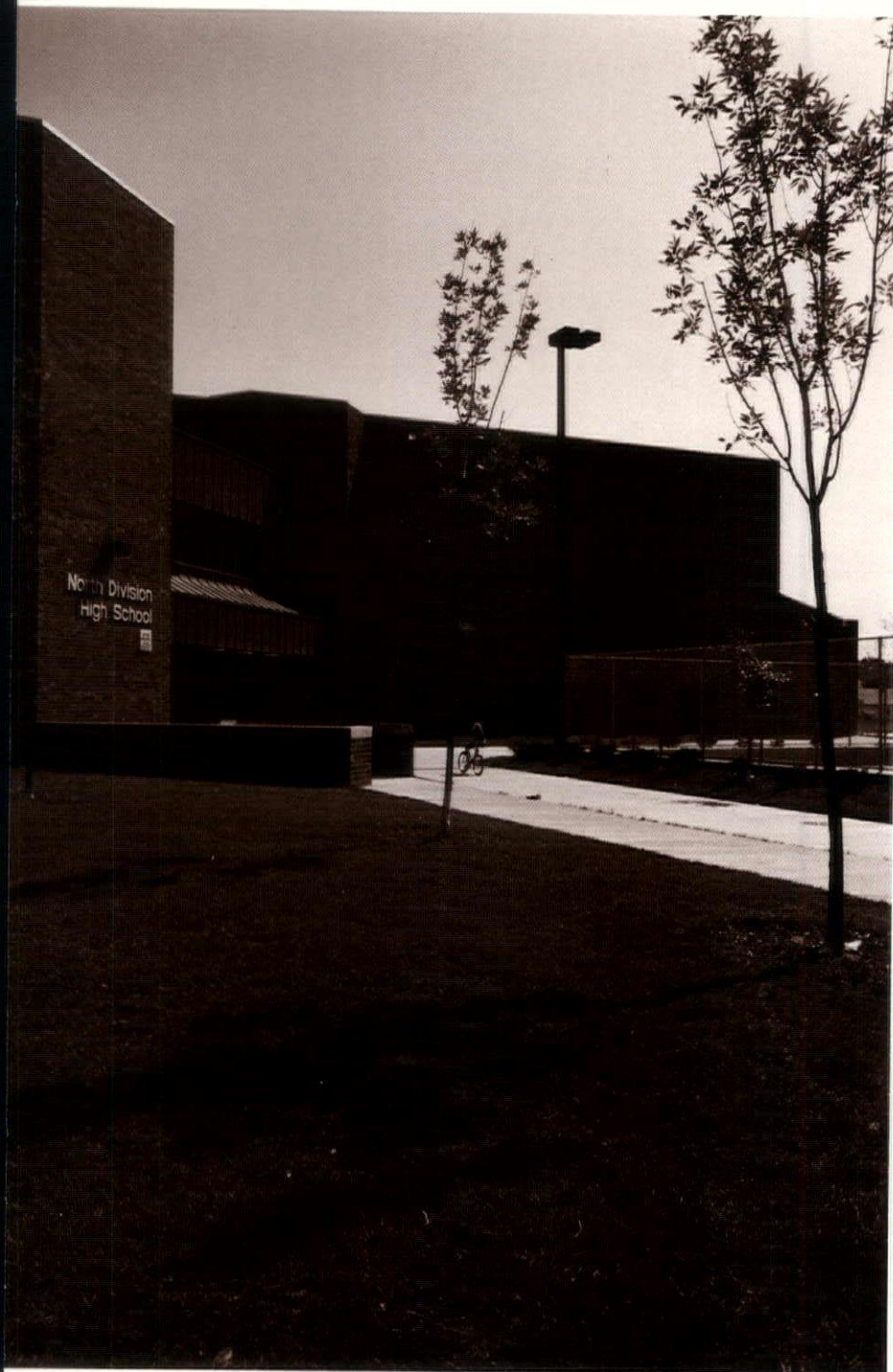
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Jury Comments:

Multi-level high school in an inter-city neighborhood exhibiting a multi-level closely integrated floor plan. An admirable perception of the parts of the building, given the compact site. An excellent school in terms of its overall tight plan. An actual implementation and working out of the various areas of volume and use.

wisconsin architect/november, 1980

Architect:

Flad & Associates
Madison and Milwaukee,
Wisconsin
Gainesville, Florida

Office Responsible For

Project:

Flad & Associates - Milwaukee
825 N. Jefferson Street
Milwaukee, Wisconsin 53202

Project Manager:

Glenn M. Johnson, AIA

Project Architect:

Samuel D. Eppstein, AIA

Project:

North Division High School
Milwaukee, Wisconsin

Owner:

Board of School Directors
Milwaukee Public Schools
Milwaukee, Wisconsin

Consultants:

Structural —

Graef, Anhalt, Schloemer
Milwaukee, Wisconsin

HVAC —

Holland & Kurtz
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Plumbing —

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Electrical —

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Jury Comments:

The use of the existing structure was done in an excellent way. The brick exterior was straight forward and added positively to the overall presentation of the building. The building showed considerable structural ingenuity. An excellent adaptive reuse of an existing structure with a judicious use of glass and an excellent use of passive solar techniques such as overhangs all which add to the practicableness of an otherwise delightful little building.

wisconsin architect/november, 1980

Architect:
Zwack Associates, Ltd.
222 East Collage Avenue
Appleton, Wisconsin 54911

Project:
Addition & Alterations to the
Hartland Cicero Mutual
Insurance Company Office
Building
Seymour, Wisconsin 54165

Owner:
Hartland Cicero Mutual
Insurance Company
P.O. Box 156
Seymour, Wisconsin 54165

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Jury Comments:

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Architect:

Brust-Zimmerman, Inc.
7707 Harwood Avenue
Milwaukee, Wisconsin 53213

Project:

Village Office
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Milwaukee, Wisconsin 53213

Owner:

Robert E. Lewcock & Susan T. Zimmerman
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Jury Comments:

The use of the site to house and to conceal this data center is a very unique and pleasing effort. Admirably adapted to the site. Inconspicuous, with a design toward longevity, sustained use, and resistance from the elements.

Architect:

Potter Lawson & Pawlowsky, Inc.
2433 University Avenue
Madison, Wisconsin 53705

Project:

Wisconsin Power & Light Co.,
Systems Operation Center
Rinden Road
Town of Pleasant Springs
Dane County, Wisconsin

Owner:

Wisconsin Power & Light
Company
222 W. Washington Avenue
Madison, Wisconsin 53703

Consultants:

Structural & Mechanical —
Arnold & O'Sheridan, Inc.
815 Forward Drive
Madison, Wisconsin
Electrical —
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Contractors:

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Madison, Wisconsin 53714

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wisconsin architect/november, 1980

Project:
The Jefferson Building
825 North Jefferson Street
Milwaukee, Wisconsin 53202

Owner:
Cathedral Square Joint Venture
Milwaukee, Wisconsin

Contractors:
Stevens Construction
Milwaukee, Wisconsin

Architect:
Flad & Associates
Madison and Milwaukee,
Wisconsin
Gainesville, Florida

Office Responsible For Project:
Flad & Associates - Milwaukee
825 N. Jefferson Street
Milwaukee, Wisconsin 53202

Project Manager:
Glenn M. Johnson, AIA

Project Architect:
Frank McNutt

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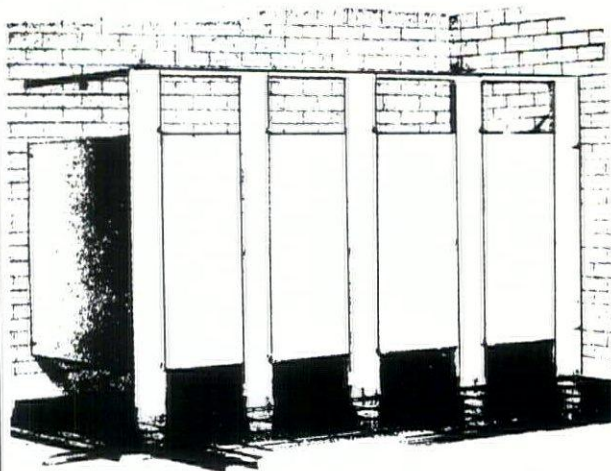
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Darby Mantyh, Engineers-Planners

PROJECT: Milwaukee Industrial Clinic, S.C.
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"The Milwaukee Industrial Clinic located at 500 North 19th Street is a comprehensive occupational health care facility. It's completion in June, 1979 hallmarked it as a forerunning example of the growing concept of decentralized medical treatment and out-patient services.

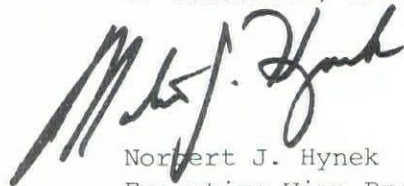
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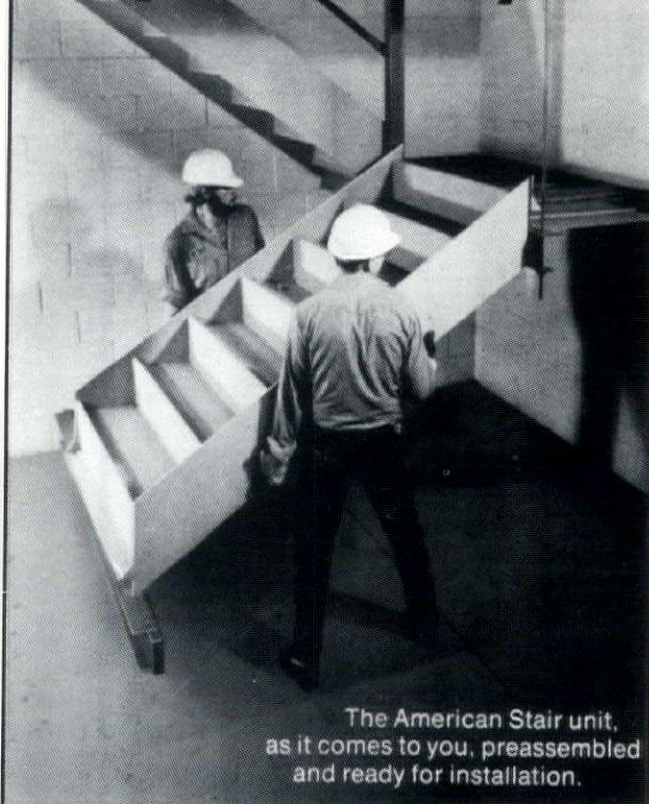
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Jury Comments:

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wisconsin architect/november, 1980

Architect:

Kahler, Slater and Scott
733 North Van Buren Street
Milwaukee, Wisconsin 53202

Project:

Walter Schroeder Library
500 East Kilbourn Avenue
Milwaukee, Wisconsin 53202

Owner:

Milwaukee School of
Engineering
1025 North Milwaukee Street
Milwaukee, Wisconsin 53202

Consultants:

Library —

William Roselle, UWM Library
and Lee Sweifel, UW-
Madison

Structural —

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Brown Deer, Wisconsin 53223

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Goulet-Rigby & Associates,
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2900 N. 117th Street
Milwaukee, Wisconsin 53222

Plumbing —

Lubenow & Gobster, Inc.
500 W. Brown Deer Road
Milwaukee, Wisconsin 53217

Contractors:

Construction Manager —

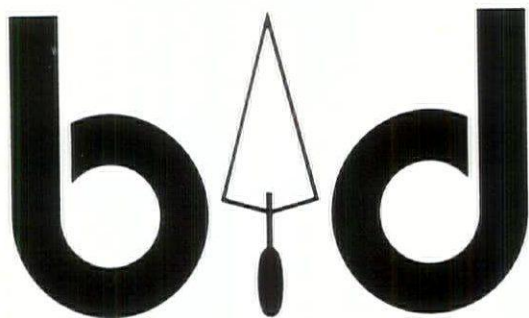
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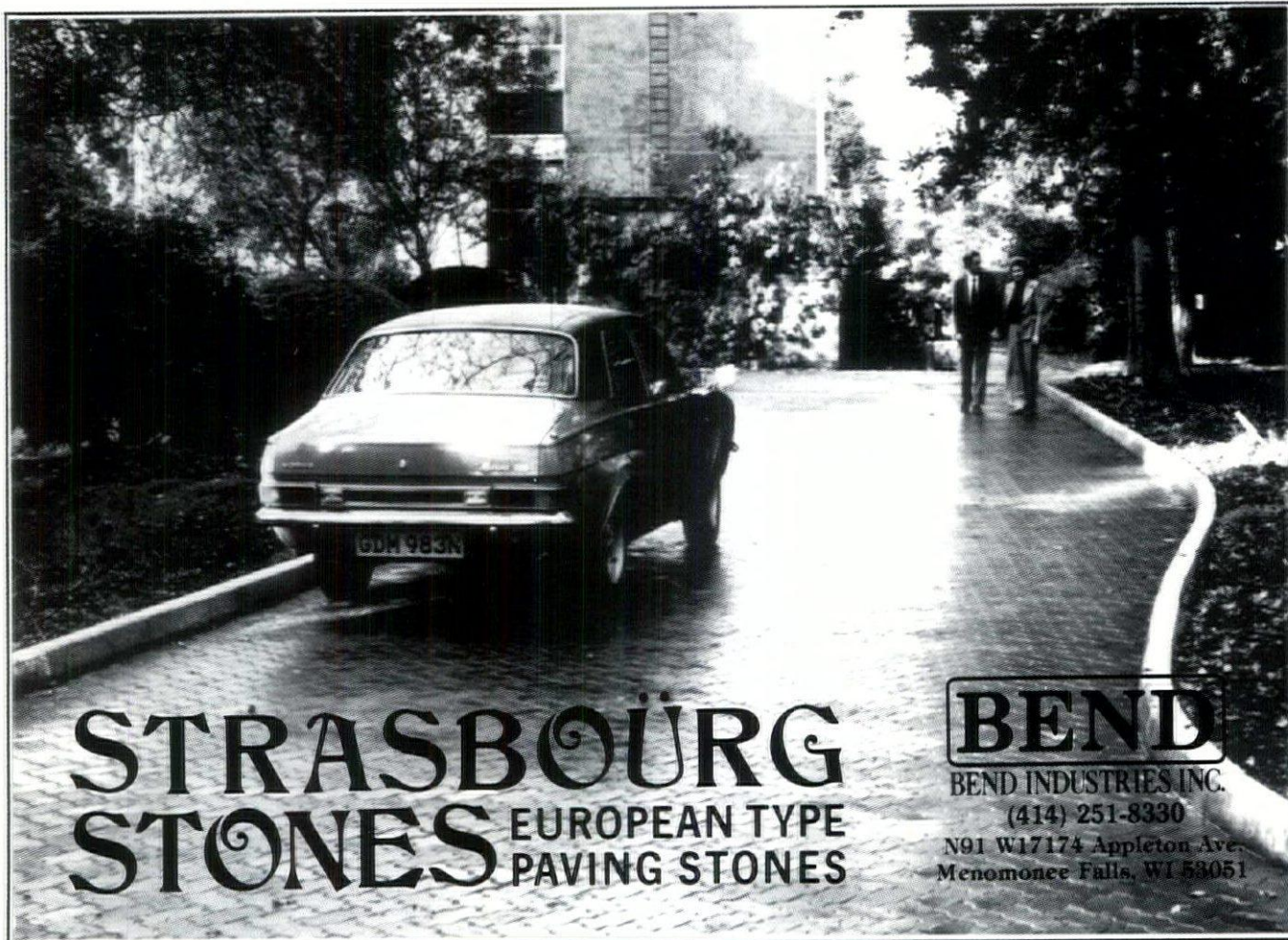
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Jury Comments:

The need for multiple use of the building by students and the general community was reflected in a sensible circulation system. The building is adroitly planned for current use, as well as for future expansion. An impressive school solution reflecting good organization of all of the major components around a major circulation spine. An excellent articulation of each of the major departments. A very strong and good sense of entrance to the school. A positive and strong solution.

wisconsin architect/november, 1980

Architect:

HSR Associates, Inc.
100 Milwaukee Street
La Crosse, Wisconsin 54601

Project:

Logan High School
1500 Ranger Drive
La Crosse, Wisconsin 54601

Owner:

School District of La Crosse
432 Cass Street
La Crosse, Wisconsin 54601

Consultants:

Structural —

Arnold & O'Sheridan, Inc.
815 Forward Drive
Madison, Wisconsin 53711

Electrical —

Goulet-Rigby & Associates
2900 N. 117th Street
Milwaukee, Wisconsin 53222

Food Service —

Thomas H. Jaeschke
4085 N. 137th Street
Brookfield, Wisconsin 53005

Acoustical —

James F. Yerges
P.O. Box 6011
Madison, Wisconsin 53716

Color —

Westburg Design Associates, Inc.
430 Oak Grove, Suite B-3
Minneapolis, Minnesota 55403

Contractors:

Anthony Grignano Company
802 John Nolen Drive
Madison, Wisconsin 53715

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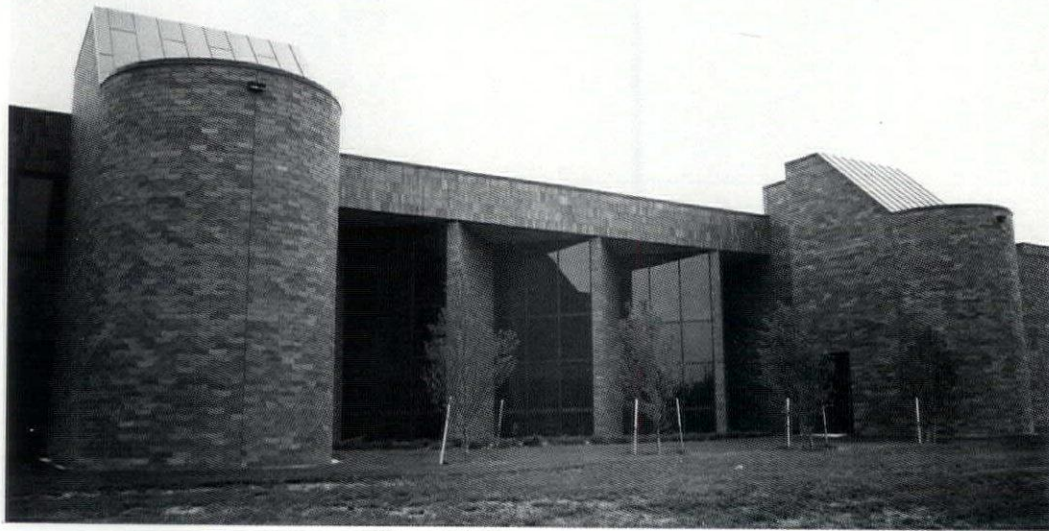
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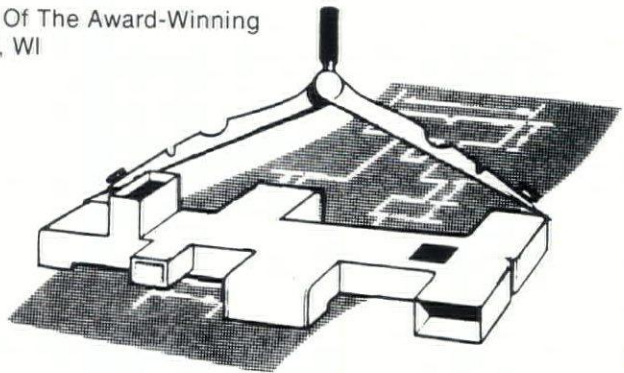
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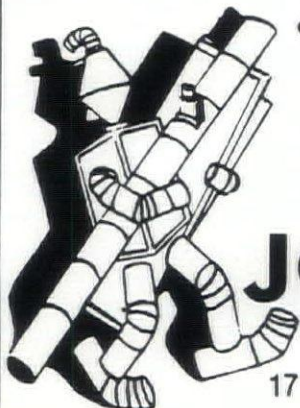
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wisconsin architect/november, 1980

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Project:

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Owner:

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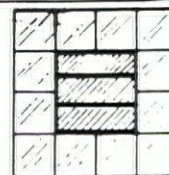


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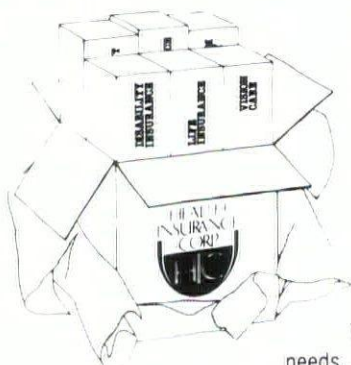
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Milwaukee Lakefront Design Competition

The Milwaukee Lakefront planning and design competition was held to generate comprehensive plans for the use of one hundred and seventy-six acres of land in downtown Milwaukee on the shore of Lake Michigan. The charge to competitors was to submit plans that would develop this area as a special feature of Milwaukee, increase public access to and use of the lakefront, and take full advantage of the opportunity for water related activities.

The response from the planning and design communities was overwhelming. One hundred and forty submissions were received showing ideas and concepts that are new, exciting, and feasible. They offer the opportunity to transform this little used area into something that is distinctively identified with Milwaukee and that is of great service to the citizens of the city, the county, and the state.

In holding the competition, its sponsors displayed an unusual level of coordination and cooperation between local units of government and between the private and public sectors. It is in this spirit that lakefront development must move forward. The tasks ahead require continued cooperation by county, city, state, and private parties with an interest in lakefront development. The challenges go far beyond establishment of a body to oversee lakefront planning; they extend to helping and supporting that body in its decisions and, ultimately, seeking innovative ways to finance major lakefront improvements in fiscally constrained times.

Milwaukeeans have proven themselves capable of meeting such challenges in the past — with projects like the War Memorial and Art Center, the Performing Arts Center, and the downtown redevelopment. The lakefront of-



fers an important opportunity to further enhance Milwaukee's image as one of the most desirable places to live in this country. It is time to seize upon that opportunity.

ABOUT THE COMPETITION

This competition was sponsored by the City and County of Milwaukee and the Greater Milwaukee Committee, a private civic association composed of business, labor, and professional leaders. Mayor Henry W. Maier and County Executive William F. O'Donnell jointly appointed the

Lakefront Design Committee to oversee the competition. Composed of representatives from all segments of the community, the committee's charge was, with the aid of professional advisors, to produce the competition program, to empanel an impartial, professional jury to evaluate designs and award prizes, and to forward the award winning designs to the sponsors.

The competition was open to all registered architects, registered landscape architects, and certified urban and regional planners. Those not registered or certified

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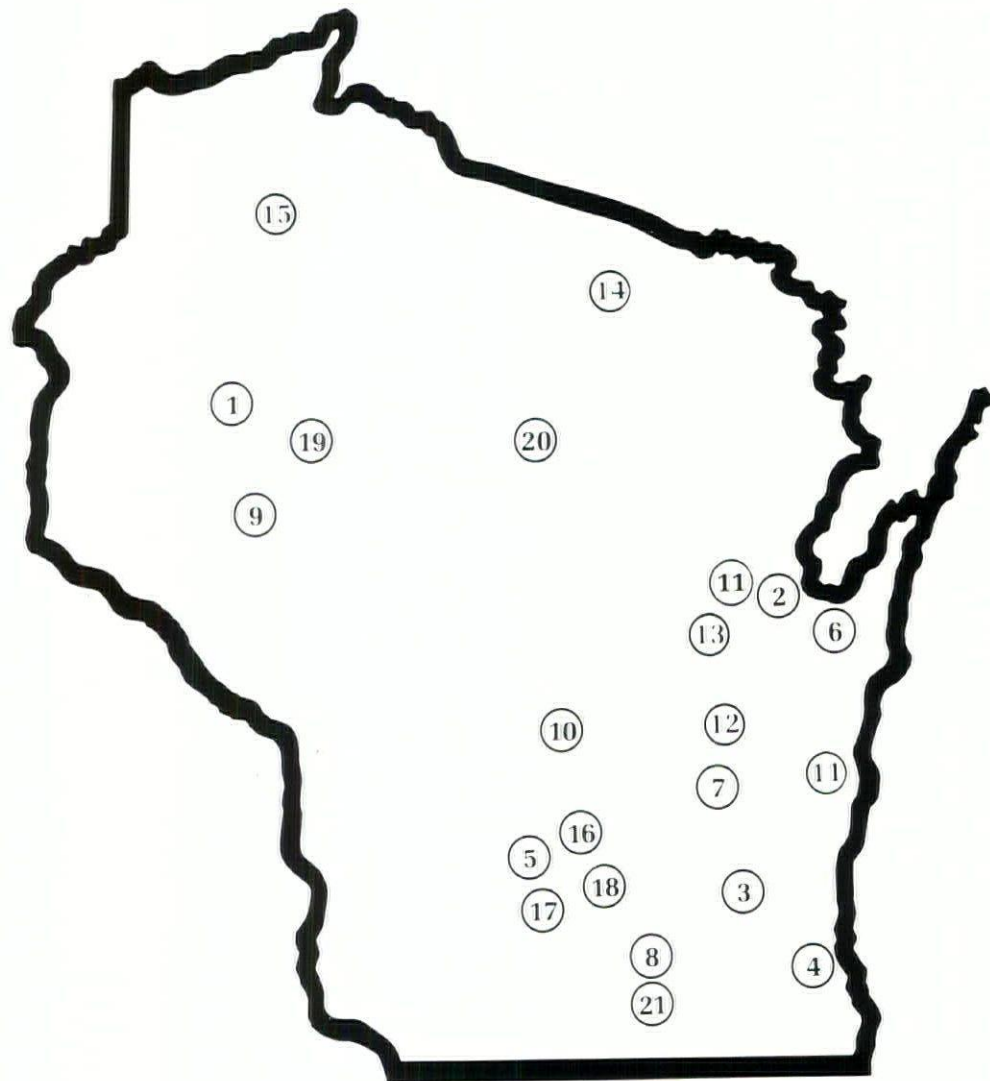
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could enter in association with a registered or certified professional. A three member panel, representing the Wisconsin Society of Architects, the American Planning Association, and the American Society of Landscape Architects ruled on the eligibility of those not wishing to associate with a registered or certified professional.

Four hundred and forty-eight individuals, teams, or firms paid the \$50 registration fee and received the competition program. Of these, one hundred and forty submitted completed entries, each consisting of four boards, 30"x40". Supporting narrative of up to ten pages typed was optional. All submissions remained anonymous until after the jurying.

THE PROBLEM

The competition posed a complex, cross disciplinary problem: to develop a comprehensive plan for the use of a large lakeshore tract in an urban setting. Competitors were asked to make land use and transportation recommendations and then to address particular types of uses, including recreation, culture, industry, and new uses.

The site is very large, 176 acres, and is awkward in shape. It is divided longitudinally by an elevated bridge and freeway ramps. The predominant current use is parking, although the site is surrounded by a variety of uses — the War Memorial-Art Center and parkland to the north, the central business district to the west, and industry to the south and southwest.

Milwaukeeans have traditionally preserved their lakeshore for public purposes and the competition guidelines reflected a strong community sentiment that the predominant use of the site should be recreational and that public access should be maintained at the water's edge. The problem was further compounded by unresolved controversies concerning a freeway, proposed to run the length of the site, and the possible replacement of a

wisconsin architect/november, 1980

bridge between the downtown and a lakeshore roadway. As can be seen from the photograph of the site at left and from the award winning solutions that appear on the following pages, the competition problem required competitors to address numerous individual problems and then to synthesize their solutions into a consistent, comprehensive plan.

THE SOLUTIONS

The one hundred and forty plans submitted represent a wide variety of solutions to the problem. They can, however, be categorized by the basic approach used in planning for the site. Three approaches predominate: 1) those that use a strong, symbolic, visual image to create a unique identity for the site, such as the First Prize winner; 2) those that extend the city to the water, thereby enhancing the urban character of the site, such as the Second Prize winner; and 3) those that form islands or inlets to create a romantic park setting with a soft, irregular shoreline, such as the Third Prize winner.

Beyond these basic concepts, the plans provide a full complement of solutions to each sub-problem, e.g. what to do with the freeway stub ends, or how to treat the eastern end of Wisconsin Avenue. They thus allow a more complete understanding of both the problems and the alternatives for solving them by those who have not examined each component in detail.

AWARDS

The jury awarded six prizes, totaling \$56,500:

\$25,000 First Prize — Brown Daltas and Associates - Cambridge, Massachusetts - Spero Daltas, Project Architect;

\$15,000 Second Prize — Patty Berkebile Nelson Associates - Kansas City, Missouri - Thompson C. Nelson, Kirk A. Gastinger, Stephen Alan McDowell, Design Team;

\$7,500 Third Prize — Rick Blommer, Cy Fishburn, Jim Sullivan, and Harry Van Oudenallen, Architect - Milwaukee, Wisconsin;

\$3,000 Honorable Mention — Thomas Aidala, Barbara Maloney, Cynthia Ripley, G. James Scoggin, Sheila Brady - San Francisco, California;

\$3,000 Honorable Mention — A. Mark Battaglia, Daniel R. Jones, Daniel B. Burke, James R. DeTuerk - University Park, Pennsylvania;

\$3,000 Honorable Mention — Gerald Gast, Daniel Hillmer - San Francisco, California.

JURORS' REPORT

Date of Jurying: May 14, 15, 16

The site, south of the War Memorial Art Center, was seen as a flat dirt terrace, edged by boulders and steel piling, and dominated visually by the bridge/freeway structure. The elevated Memorial area represents an extension of downtown construction, now isolated by the condemned bridge. The southwest section is occupied by scattered warehouses and a few small industries.

The 140 entries represent a great output of enthusiasm, interest, dedication, hard work, and economic investment. Some of them go beyond this to demonstrate inspiration and reasonable grasp of a complex situation. However, many were unable to organize the various elements of site and program in a convincing pattern.

All of the submissions, of four panels each, were reviewed on the first of three consecutive days by all the jurors. Nineteen were selected for more intensive review, and the six prize winners were selected from these. The jury relied literally on the planning and design guidelines given in the Competition Program and a copy of them is provided with this report. In addition to the program guidelines (General, Movement Systems, Recreation, Festival Grounds, War Memorial Art Center), the jury developed some

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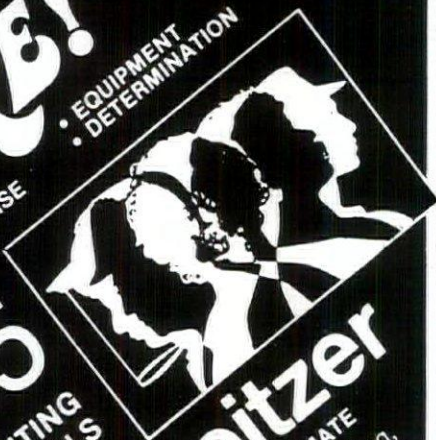
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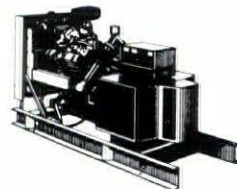
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of their own. These derived largely from their search for proposals that were comprehensive, strong, simple, imaginative, well-organized concepts which could express fundamental relations between urban forms of the city and the natural ones of the park, the lake, and Wisconsin's general ecology. The jury paid particular attention to the ways by which entrants handled the problems and opportunities posed by the edge between urban and natural development, i.e., transitions, contrasts, varieties of scales and the impact on these physical qualities of the diverse cultures, tastes and constituencies in Milwaukee. The jury was also concerned with proposals that could be implemented within likely financial, political, social constraints and that would provide opportunities for small and medium development enterprises.

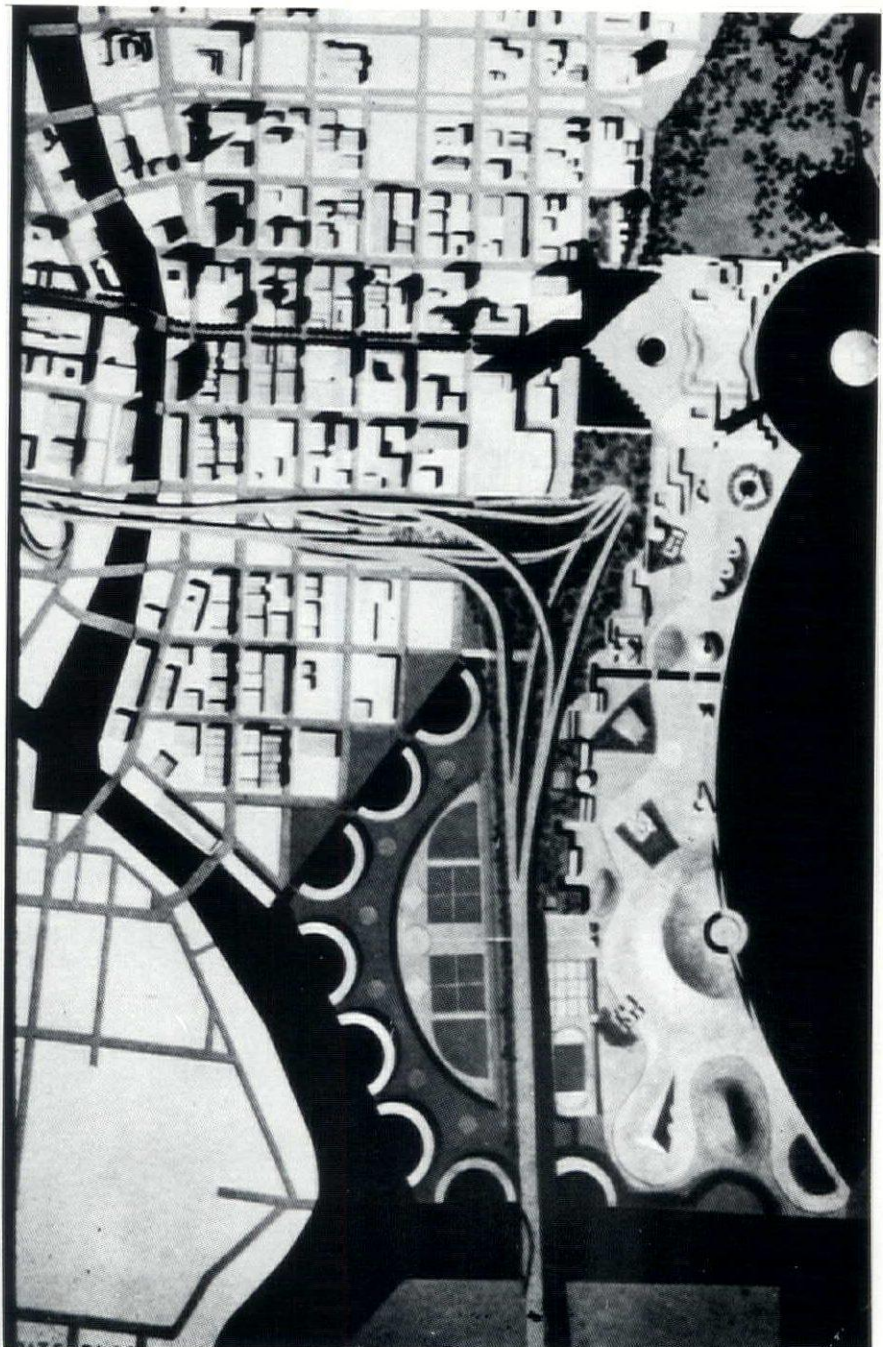
The first prize is relatively abstract and diagrammatic, encouraging a variety of options within a strong overall organization according to circumstances and pressures that will evolve in its development.

FIRST PRIZE — BROWN, DALTAS AND ASSOCIATES

The first prize arranges the land uses — park, recreation, commercial, cultural, parking and residential elements — as more or less parallel zones acting as a series of transitions from lake-shore to downtown at the same time creating a boldly scaled symbolic image in the contouring of the shore line. It is a strong, clear formal organization of the entire site which incorporates all major program elements, yet is not too specific. It allows a good deal of flexibility for further design development and implementation. The forms are sculptural more than structural or natural resulting in a consecutive series of experiences from the "hard" downtown to the vast soft water edge. It contains a variety of scales including a grand symbolic gesture in the form of a waterfront crescent. This curved edge does not overpower but is effective

in identifying and individualizing the character of Milwaukee. The zones in this scheme consist first of a park, generally natural in its imagery, which provides some continuity with the natural landscape of Juneau Park to the north and contrasts vividly with the industrial landscape of the harbor to the south. This element is relatively unstructured except for areas set aside intermittently for the festivals. The next zone is more structured and consists of a pedestrian gallery which faces the natural landscape and the vast lake on the east and on the west faces incremental, small scale and varied commercial and cultural uses. This juxtaposition, like that of

old Atlantic City with its ocean, beach, boardwalk and hotels and shops, can be very effective in providing for mass uses and natural amenity. The permanent commercial and cultural spaces support the changing festivals. Below and behind this structure is extensive parking with easy, multiple access to the gallery or the park. In the early stages of development, this design could allow on-grade parking below the freeway. This architectural "spine" acknowledges, employs, and camouflages the freeway structure simultaneously and makes it less offensive. This design accepts the freeway and uniquely accommodates it, using and screening it at the



same time. The last zone, which contains residential and recreational activities, uses the Milwaukee River as a focus. The housing faces immediately to the water and thereby continues a dramatic tradition unique to Milwaukee whereas its older industrial buildings literally edge the river in the heart of the city. These medium density residential units with associated parking and supportive recreational facilities replace the low density, light industrial buildings and will encourage the development of the historic Commission Row area. Preservation and recycling of the old lofts for commercial as well as residential uses could follow and provide a vital area along Milwaukee's River from the lake to downtown.

A necessary counterpoint to these parallel zones between lake and town is the important cross axis generated along Wisconsin Avenue to the lake to make a visual, pedestrian and vehicular connection between Lake and City and to counteract the wall of the freeway. The circulation at the end of the axis involving connections to Lincoln Memorial Drive to the north and access to parking, to the museum and to museum service above and below grade is not entirely clear, but we feel it is workable. The visual connections along the axis to the lake and the War Memorial Art Museum complex and the park we think are strong. However, despite its strong overall organization we think this design is capable of incremental development and change.

We have already described its capacity to accommodate modification and development of richness of detail. We think the slightly modified shore line in the form of a crescent is particularly effective as a means of achieving maximum effect with a minimum means; it achieves a generosity of scale by its consistency and by the implied extension of its geometric form into the lake as a segment of a very big circle. Its concavity suggests a hospitable welcome as a port city along the lake and can create a symbol unique to Milwaukee suggesting an identity for the city as a whole, much as the Arch does in St. Louis — although in a simpler and certainly more economic manner. It combines generosity of scale in its form with symbolism and works as a fine counterpoint to the circumstantive, small-scale quality of the recreational, cultural and commercial elements inland.

This can be a plan that works for the individual Sunday-morning jogger, for masses of visitors at other times, especially during festivals. It seems responsive to mass needs in the handling of parking — accessible but not intruding and in its multiplicity of uses, accommodating a variety of markets or what Herbert Gans, the urban sociologist, has called taste cultures. It can contain and contrast mutually stimulating and lively natural **and** urban environments, commercial **and** cultural activities, museum exhibitions **and** summer festivals, boutiques **and** honky-tonk, all in close proximity to each other. These elements should make up a truly urban and urbane whole because they are accommodated within a clean and valid structure sensitive to the place which Milwaukee-on-the-lake is.

Modern Architecture: An Outline Of A Point Of View

By Larry Booth, AIA

Mr. Booth was one of the speakers at the 1980 WSA Convention.

Reconsideration of Theory of Modernism
Reconsideration of Practice of Modernism

5 Keystone Points of Modern Architecture

1. Architectural forms avoid historical reference in favor of simple, pure abstract planes and volumes.
2. Ornament eliminated in favor of flush surfaces.
3. Satisfaction of functional program determines form.
4. Technological, industrial spirit of the age takes a moral imperative and replaces traditional humanistic values.
5. Rational analytic approach emphasized over a poetic synthetic approach to the building occasion.

Theory should guide practice to the "better" building. The "better" building being the one containing qualities that enrich the many aspects of human experience . . . visual, associative, social, cultural, and moral.

Many current theoreticians have taken a single aspect with a narrow focus to establish a unique (mostly personal), point-of-view. This often produces buildings that appear thin in dimension . . . like cardboard. Or, as in most cases, a certain insensitivity develops toward critical aspects of a more complete architecture.

Palladio's villa appears to be more complete than Terragni's Casa del Fascio.

wisconsin architect/november, 1980

Compare Two Buildings @ Keystone Points

Villa Emo/Fanzolo
Andrea Palladio 1555-60

1. Historical forms employed to express cultural values of clients as the nobility settled the lands around Venice.
2. Ornament limited to column capitals and bases, heraldic device in pediment. Construction details generate ornament.
3. Form determined with systematic proportions based on apriori rules; satisfies function in a direct, efficient manner.
4. Long-lasting, cost efficient old technology of brick walls covered with plaster typical of Italian farmhouses. Society served with technology that supports traditional values.
5. Rational and poetic synthesized.

Casa del Fascio/Como
Giuseppe Terragni 1932-36

1. Historical forms avoided. Neutral abstract forms employed.
2. No ornament, construction joints flush; material provides detail.
3. Form determined by structural frame; function satisfied in a direct, efficient manner.
4. New technology of repetitive ferro-concrete frame; technology dominates traditional forms with revolutionary transformation.
5. Rational emphasized with analytical approach expressed.

Simplistic Revision of 5 Keystone Points

1. Architecture supports continuing civilization by refreshing historical forms, transformation of traditional forms with continuous creative efforts is morally imperative being a truthful expression of the necessary cultural continuity required to maintain civilization. Practical sense makes it clear that the past is filled with valuable examples that deserve imitation. Our age includes the past.
2. Ornament is necessary for the construction of buildings that allow water to drip, that

allow joints to be concealed after inevitable movement of the structure, that allow more perfect realization, and that provide variation of visual delight. No good argument has been made against ornament.

3. Function is only one aspect. The quality of human experience is more important. People must, or should, develop some feeling for buildings.
4. Technological invention should be tempered with a strong sense of propriety and of the appropriate. Invention and imitation should continually be employed.

5. Architecture may be impoverished by emphasis on rational thinking. The poetic/subjective side of our nature must be recognized and receive equal attention with the rational.

Modern architecture will continue to:

6. Result from thoughtful solutions to the building occasion without being constrained by the past.
7. Express common social and cultural values as opposed to individual, idiosyncratic preferences.
8. Structure buildings in efficient methods, integrating mechanicals.

9. Be based on cost-efficient methods and materials as we enter an age of hard choices for a mass society.

10. Employ modular, repetitive construction techniques, and

11. Reduce energy consumption.

Modern theory must be sorted out to eliminate the misconceptions that have left us with an incomplete architecture so much of the time. Recent revisions to architectural history will only become meaningful when complemented with revisions of philosophy and theory.



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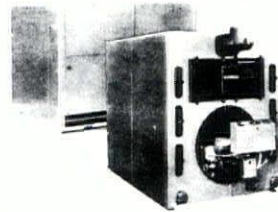
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General Considerations in Determining Subsidy Levels — Subsidy levels will be determined by the Bank's Board of Directors within the framework of certain statutory restrictions. In determining these subsidy levels, the Bank is to consider the following factors:

- prevailing mortgage interest rates
- the availability of other federal incentives and subsidies for energy conservation and solar energy, including Federal tax credits
- the costs and efficiencies of nonrenewable energy resources and systems
- the level of subsidy needed to induce owners and tenants from various income groups to purchase and install solar energy and energy conservation improvements

Bank Structure — The Bank will be established as a separate entity in HUD. Its President will be appointed by the President of the United States and confirmed by the Senate. Other Bank officers will include a Vice President for Solar and a Vice President for Conservation, both of whom will be appointed by the President of the Bank.

Governing Board — The Board of Directors for the Bank will be composed of the Secretary of HUD (designated as chairman) and the Secretaries of Energy, Treasury, Agriculture and Commerce. The President of the Bank will serve as Secretary of the Board.

Advisory Committees — Separate 5-member advisory committees will be established for solar energy and energy conservation. The members of the advisory committees will be appointed by the Board of Directors of the Solar Bank.

Eligible Financial Institutions — Financial institutions eligible to participate in the Bank's programs will include private lenders and public and non-profit entities that the Board determines meet qualifications established for FHA Title I lenders. State and local governments that operate rehabilitated loan programs will be eligible if they meet Title I standards. Utilities participating in the Residential Conservation Service under the National Energy Conservation Policy Act (NECPA) will also be eligible to operate as lenders for the Bank.

Rules and Regulations — The Board will issue final regulations for the Bank's single-family solar and conservation programs not later than 180 days after enactment (by December 27, 1980). It will issue final regulations for the multi-family, commercial and agricultural programs not later than 270 days after enactment (by March 27, 1981). These regulations will be subject to the Section 7(o) legislative review provisions of the Department of Housing and Urban Development Act.

Interaction with Energy Tax Credits — Section 203 of the Windfall Profits Tax Act, PL 96-223, prohibits taxpayers from claiming energy tax credits for improvements financed with loans subsidized by the Bank. The Bank will be required to report annually to the Internal Revenue Service any information IRS determines is necessary to comply with the provisions of Section 203. The value of any federal assistance provided by the Bank will not be considered taxable income for tax purposes.

SOLAR ISSUES

Eligible Solar Improvements — Solar systems eligible for subsidies will include any addition, alteration or improvement to an existing or new structure which is designed to utilize wind energy or solar energy either of the active type based on mechanically forced energy transfer or of the passive type based on convective, conductive or radiant energy transfer. Eligible solar systems will also include wood burning stoves, fireplaces that are an integral part of a qualified passive solar system, and earth sheltered buildings where such sheltering substantially reduces the energy requirements of the building.

While photovoltaics and solar electric devices will be eligible for subsidies, the statement of conference managers will indicate that the conferees recognize that solar electric devices are not yet commercially viable in all applications. The conferees expect that the Bank will, during its early years of operation, focus on subsidizing commercially viable solar technologies and will specify the circumstances under which products now under development will be eligible for subsidies in the future.

Passive Solar Elements — The statement of managers will indicate that a solar system will be considered passive if it contains the following elements: a solar collection area, a hard absorber surface, a storage mass capable of retaining heat, a heat distribution method and a means of regulating heat to prevent overheating and solar energy loss.

The statement of managers will also state that any regulations identifying a passive system shall explicitly not exclude systems which do not include these five components but do comply with such criteria and standards as the Board may determine.

Subsidy Structure: Single-Family Housing — A solar subsidy limit of \$5,000 per unit will be established for single-family housing. Within this \$5,000 limitation, the depth of the subsidy will vary with the income of the borrower, according to the following schedule:

- 40% of the cost of solar improvement for people with income above 160% of area median;
- 50% of the cost of the improvement for people with income between 80% and 160% of area median;
- 60% of the cost of the improvement for people with income below 80% of median.

Where the subsidy determination is based on energy efficiency rather than on the cost of the system, the \$5,000 per unit subsidy limit will apply.

No income limits for borrowers will be imposed for new construction. No income limits will be established for existing housing, as well, until January 1, 1986, when an income eligibility ceiling of approximately \$50,000 a year will be applied for this housing type.

Subsidy Structure: Multi-family and commercial buildings — A subsidy limit, equal to 40% of the cost of the solar improvement, will be established for multi-family housing according to the following schedule:

- two units, \$7500 per structure;
- three and four units, \$10,000 per structure;
- five or more units, \$2500 per unit.

The solar subsidy for commercial buildings will be limited to 40% of the cost of the solar improvements, up to a maximum of \$100,000.

Loan Terms and Conditions — Solar loan repayment terms will not be less than 5 years nor more than 30 years for single family housing (40 years for multi-family, commercial and agricultural buildings) with no penalty imposed for prepayment.

Shorter repayment terms may be established at the request of the borrower. Security for the loan will meet requirements established by the Bank's Board of Directors. The Bank may require the lender to repay any subsidy that may accrue to the lender when the borrower defaults on the loan. This repayment may be applied in individual cases and where the Bank determines that a pattern of "bad" loans is developing in a given area, with certain lenders or with particular technologies.

Energy Efficiency — An energy efficiency standard will be applied in determining subsidies for passive systems. Starting on January 1, 1983, the Bank will vary subsidies for active systems according to the energy saved by the system unless the Board determines that the implementation of this energy efficiency measure is impracticable. In determining whether an energy efficiency standard should be applied to active systems, the statement of managers will state that the Board should consider whether a reliable industry-wide efficiency system is in place and whether a simple and uncomplicated method can be developed to apply this system.

Priority for Space Heating and Cooling — The Bank will provide a priority for space heating or cooling in new or substantially rehabilitated buildings except where this priority will constitute a disincentive to the market penetration of solar-hot water systems, or where heating and cooling systems would be impractical due to regional climatic conditions or other factors.

Cost-Effective Energy Standards — Newly constructed and rehabilitated buildings receiving solar assistance must meet cost-effective energy statements. The statement of managers will indicate that HUD's Minimum Property Standards, in effect on the date of the loan application, will constitute an appropriate cost-effective standards.

Builders Subsidies — Solar subsidies can be provided directly to builders if the Board determines that builders subsidies are necessary to maximize the use of solar energy and provide adequate penetration of the housing market. The maximum subsidy available to the builder and any subsequent owner can not exceed 40% of the cost of the eligible solar improvement.

Warranties — Eligible solar systems must be covered by a warranty that the installer or manufacturer, or both, will remedy any defects in materials, manufacture or installation of the system without charge and within one year from the date of installation. The Board may require installers or manufacturers to provide on-site inspections free of charge within 15 days of the expiration of the warranty, if the Board determines a pattern of defects in the manufacture and/or installation of specific systems.

Utility Financing — Utilities will be eligible to qualify as lenders and receive subsidies which

(Continued on Page 53)

wisconsin architect/november, 1980

WSA

SOCIETY NEWS

DEGREE REQUIREMENT ANYONE??

As reported in a recent issue of the WSA's HOT LINE, the National Council of Architectural Registration Boards (NCARB) voted at their recently concluded annual meeting to mandate a degree requirement for NCARB certification after 1984. This new policy has been discussed for some years and in a few states has already been implemented as a requirement in order to receive registration.

At the August Executive Committee meeting of the WSA this matter was discussed and a straw vote was taken. Two-thirds of the architects present indicated their objection to a mandatory degree requirement in order to obtain architectural registration. This opinion was based upon an expressed appreciation for the traditional route to registration which allows registration without requiring a professional degree. What do you think? If you have an opinion and want it published, write the Wisconsin Architect. If you don't want it published, contact one of your chapter officers. If you do have an opinion, it should also be voiced to the Registration Board.

WSA CASSETTE LIBRARY

The WSA has established a library of tape cassettes for use by its members. At your request, the requested cassettes will be shipped to you for your use, with the condition that they be returned within 14 days. Your only expense will be the cost of the return postage.

We are interested in increasing the cassettes which we have on file. Should you have any cassettes which you would like to donate or to provide to us in order that we can make a duplicate copy, please contact Karen at the WSA office.

The following is an alphabetical list of cassette tapes which are available for your use:

CHAPTER 63: A portion of the UW-Extension 1980 Wisconsin Administrative Code Seminar dealing with BEPS.

DOING BUSINESS WITH THE STATE: The 8/13/80 program sponsored by the WSA (4 volume).

HETTLER'S LUNCHEON: Dr. Bill Hettler's 1980 WSA convention presentation on "Your Lifestyle - Healthy?"

NEW MARKETS AND METHODS: From the Library of Architectural Cassettes.

OPPORTUNITIES IN CORRECTIONAL ARCHITECTURE: Two volume cassette series from the Library of Architectural Cassettes.

DR. JOHN OTT: Two volume series of the presentation made by Dr. John Ott at the 1980 WSA convention on "The Effect of Artificial Light".

SELLING ARCHITECTURAL SERVICES: Two volume series prepared through the Library of Architectural Cassettes.

BLAME THE COMPUTER

wisconsin architect/november, 1980

all systems appeared to be A-OK in the construction of the Lutheran Brotherhood's 17 story office building until a computer ordered 12,056 glass windows . . . all the wrong size.

Three walls of the \$30,000,000 building are covered with glass panes. Unfortunately, the panes shipped by Pittsburgh Plate Glass won't fit.

Each of the glass panels is three inches too long. To further complicate life they are made from a tempered mold and can't be cut.

The foul-up was blamed on a computer error. It's sure nice to have those computers to blame the errors on.

PEOPLE & PLACES

THOMAS K. NISBET was approved for AIA membership in the Southwest Wisconsin Chapter.

JOHNSON, WAGNER, ISLEY, WIDEN, & HIPPI, INC. has moved their office to 9076 N. Deerbrook Trail, Brown Deer, Wisconsin 53209 (1-414-355-8800) and effective November 1 will be JOHNSON AND WIDEN, INC.

ROSE AND ENGLUND WOW THEM IN БЕЛОИТ

WSA President Noble E. Rose and Executive Director Eric Englund recently were the main course for the Beloit Lions in a program captioned "WHAT IS ARCHITECTURE". The essence of the presentation was to provide better public awareness of the role of the architect in assisting clients in resolving building problems, with emphasis on the fact that the architect is the sole professional available to completely coordinate the entire building process. The program was extremely well received.

The WSA Executive Director is available to work with you in presenting a similar type of program.

EXTERIOR PLUMBING

Wisconsin laws require plan review on both exterior and interior plumbing for public buildings regardless of the size. Exterior plumbing includes private sewage systems. This means that if you are involved in a project which contains or utilizes a private sewage system that plans for that system should be submitted to the Plumbing Bureau of DILHR for their review.

Prior to any installation of a private sewage system, a sanitary permit must be obtained. These permits are obtained from the county, with the exception of State owned work, in which situation the permits are to be obtained from the Plumbing Bureau of DILHR.

For further information, contact Jim Sargent at DILHR (608) 266-8984.

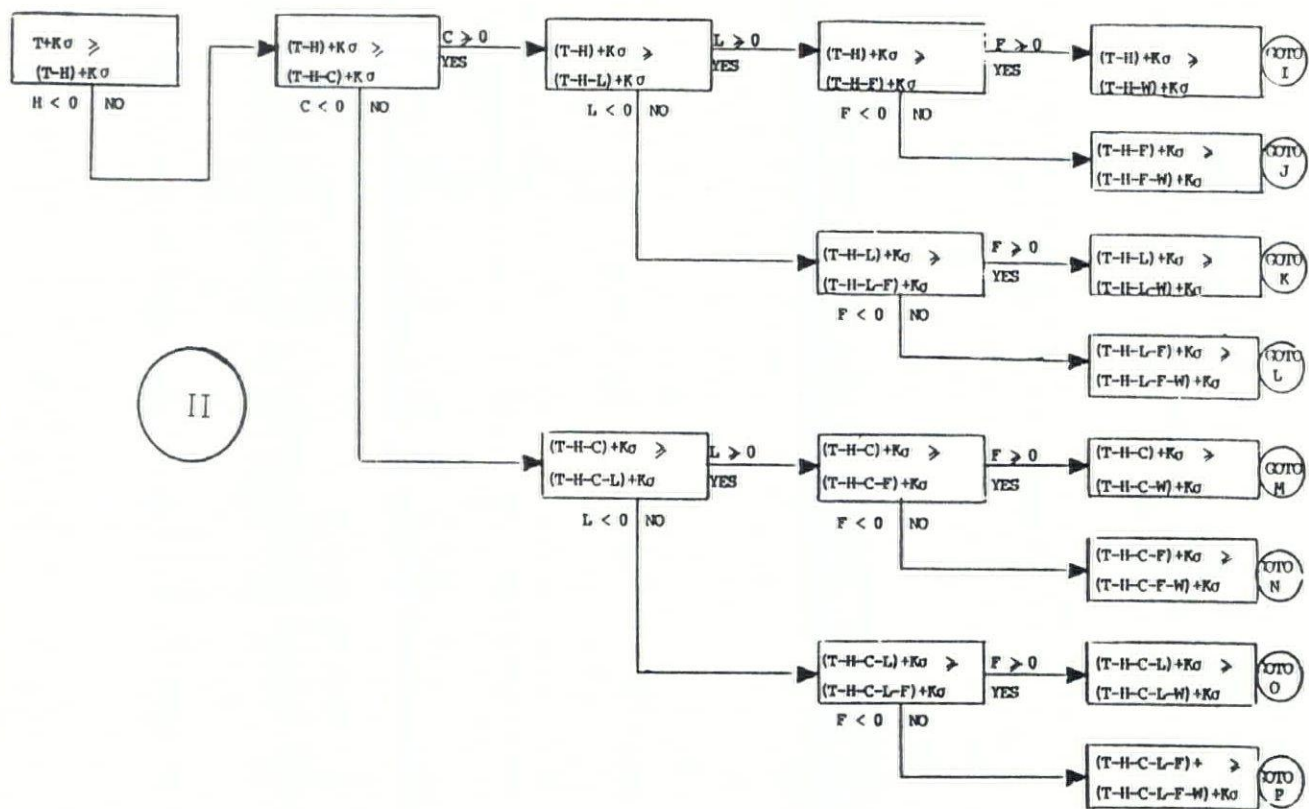
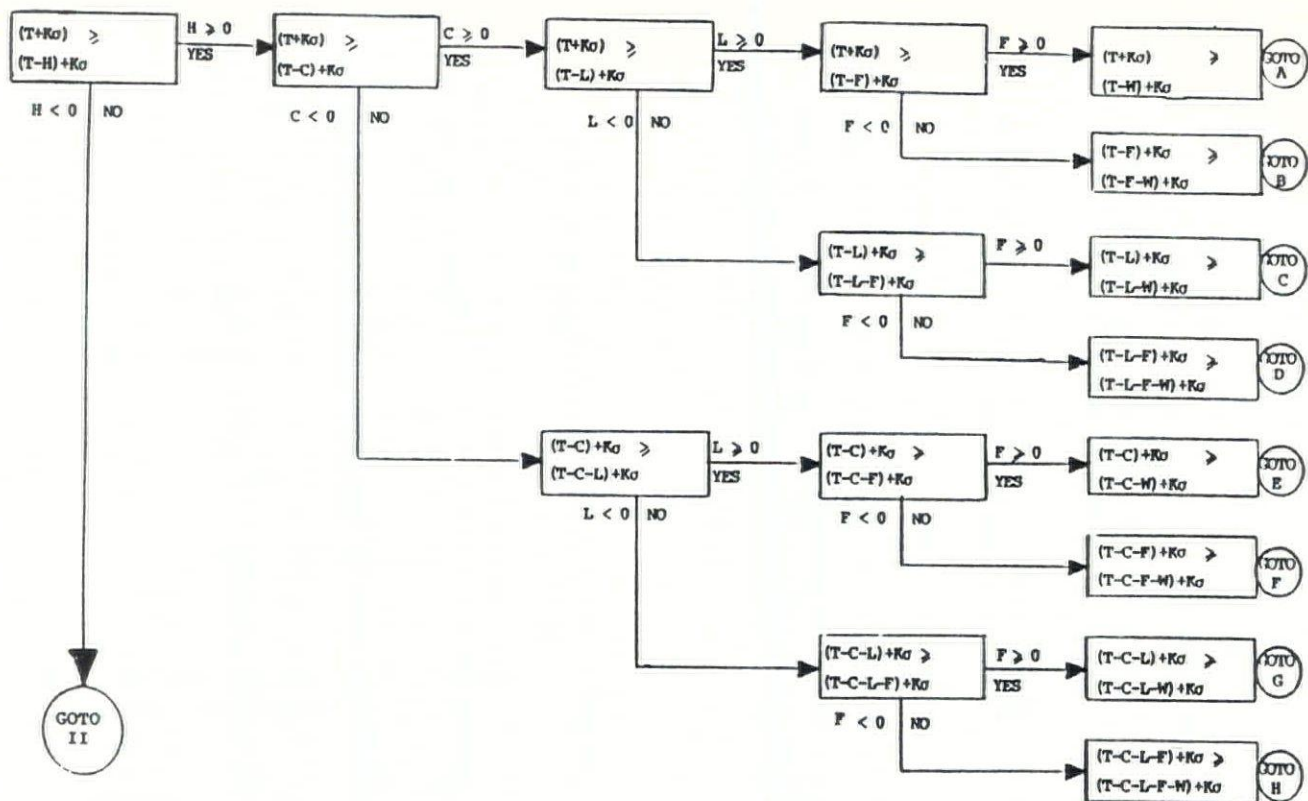
THIRTEEN POUNDS OF ???

As any AIA member knows who opens their mail from Washington, the AIA is a strong supporter of the Building Energy Performance Standards (BEPS). Recently the Department of Energy requested that the U.S. Congress approve a delay in final promulgation of BEPS until August, 1981. This request apparently pushes back the implementation of BEPS to August of 1982.

As reported in a recent issue of the WSA's "HOTLINE", background material and the technical support documents being generated by the Department of Energy are available to interested persons.

A recent telephone call produced by return mail literally **thirteen pounds** of printed material generally termed "Technical Support Documents of the Notice of Proposed Rule Making for the Energy Performance Standards for New Buildings".

If the sheer volume of these documents doesn't slow you down, consider the fact that a representative page of that mailing included the following words of wisdom:



The where, when, and what of BEPS is still being debated. Neither its content, timetable, or enforcement provisions are finalized. It may ultimately be that equivalent prescriptive standards may be allowed. It is too early to tell. However, you might consider getting on the mailing list and starting to digest the information in order that when this matter ultimately resolves itself it can be incorporated into your practice.

TIMELY PAYMENTS

When are you billing your client for payment of services rendered? Are you letting your client owe you money after he doesn't need additional services?

The Standard Form of Agreement Between Owner and Architect (B141) specifically provides that payments from the owner to the architect shall be made monthly. This contractual right can obviously benefit the architect in terms of cash flow and reduction of receivables. Additionally, timely billing for your services can be a factor in proving timeliness of the completion of phases of the project should questions ever be raised.

NEW PUBLICATIONS FROM WSA/AIA

Marketing Architectural Services, a newly-revised chapter for the Architect's Handbook of Professional Practice, is now available. (HBC/B-8, \$1.50 for AIA members, \$2.25 for non-members.)

AIA Metric Building and Construction Guide, edited by Susan Braybrooke, is a practical primer on the International System of Measurement for building construction. This guide includes detailed drawings, charts, conversion tables and conversion factors. (Hardcover #3M426, \$17.75 for AIA members, \$19.50 for non-members; Paperback #3M436P, \$13.25 for AIA members, \$14.50 for non-members.)

Project Delivery Approaches for Health Care Facilities is a new booklet prepared by AIA's Architecture Health Committee for health care administrators. The booklet explains the advantages of acquiring an architect's services early in the planning process, and it shows how an architect's expertise can help in developing the proposed facility's space program and functional requirements. (#4N 302, \$.75 for AIA members, \$1 for non-members.)

The AIA Committee on Architecture for the Arts and Recreation has just published **Art in Architecture**, a pamphlet that advocates the integration of art in both public and private building projects.

The pamphlet can help inform clients about the desirability of art in architecture, and it can help educate architects to encourage clients to include art as part of the project budget. (#6N828 free.)

Financial Management for Architects, by Robert Mattox, AIA, will be available in September 1980. This "umbrella" book of the AIA Financial Management System covers basic theories and applications appropriate for any design firm. It examines financial goals, profit planning, the interrelationships of accounting reports and financial controls, and the board view of managing firm finances. (#M724, \$22 for AIA members; \$27.50 for non-members.)

Project Management in the Architect's Office, the first of four segments of the Project Manager's Workbook by David S. Haviland, will be available in October.

To order any of these AIA publications, call Karen at the WSA Office (1-800-362-3912).

STATUTORY PROVISIONS . . .

(Continued from Page 48)

they, in turn, will pass on to consumers. Not more than 10% of the total funding available for solar subsidies will be available to utilities, unless the Board determines that additional utility funding is necessary, in which the limit can increase to 20% of available solar funding.

Agricultural Buildings — Agricultural buildings will be eligible for solar systems provided that these buildings are used primarily for processes that occur on the farm, such as crop drying. Buildings used in the manufacture of agricultural products will not be eligible for subsidies.

Linkage with Conservation Subsidies — Borrowers will be able to receive conservation and solar subsidies in the same loan if they meet the eligibility standards established for both programs.

Funding levels — A three year authorization will be provided for the Bank's solar program. Solar funding, which will come from general revenues, will be authorized at the following levels:

Fiscal 1981 — \$100 Million

Fiscal 1982 — \$200 Million

Fiscal 1983 — \$225 Million

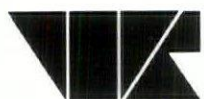
Solar Promotional Funding — Up to \$10 Million in Fiscal 1981 and up to \$7.5 Million in subsequent years, out of the total funding available for the solar subsidy program, will be available to fund the Bank's solar promotional activities.

For more information contact the Mid-American Solar Energy Complex (MASEC), 8140 26th Ave. South, Minneapolis, Minnesota 55420 — (612) 853-0400.

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Meeting - Madison**DEC****3**Seminar on Passive Solar in the 80's
(Sponsored by the Masonry Institute
of Wisconsin)**4**WSA Executive Committee Meeting -
Villa Terrace - Milwaukee



Gary Zimmermann, WPSC Industrial Application Engineer, left. Chuck Bartel, Wausaw Concrete, right.

"Architects should find out about fly ash. I think it's important." — Chuck Bartel
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"So, of course, we use fly ash to reduce costs. But it's definitely a case of getting more for less. And ecologically we're recycling an otherwise wasted by-product."

Find out more about why you should specify fly ash as a concrete or concrete products additive. Write to WPSC for a FREE fly ash information kit.

WISCONSIN PUBLIC SERVICE CORPORATION

managing energy today...for tomorrow

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