Faceted Glass Window — Congregation ANSHEI SFARD, Louisville, Kentucky
ARCHITECT: Joseph & Joseph, A. I. A.
GENERAL CONTRACTOR: A. Dornstein, Inc. A. G. C.
EPOXY CONSULTANT: H. B. Fuller & Co.

Exterior Color Design for the First Time
in a Faceted Glass Window

Faceted and Leaded Glass Windows
by the
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Louisville, Kentucky
Kentucky Society
Schedules
Meeting Jan. 23

A meeting of the Kentucky Society of Architects is scheduled for January 23, at the Frankfort Country Club.

Festivities will include a cocktail hour, beginning at 6:30 P.M., followed by a dinner at 7 P.M. Included in the program will be the presentation of 1963 Kentucky A.I.A. Honor Awards to the membership.

Guest speaker for the evening will be Mr. Ralph Rapson, professor and head of the Institute of Technology, School of Architecture, University of Minnesota.

Professor Rapson is a graduate of Alma College, Alma, Michigan; holds his Bachelor of Architecture Degree from the University of Michigan and has completed graduate study in urban and regional planning with the Cranbrook Academy of Art.

Professor Rapson is a member of the American Institute of Architects; the International Congress of Modern Architecture; held the Distinguished position as vice president, Minneapolis Chapter of the A.I.A., serves on the board of directors, Walker Art Center and is past chairman of the editorial board of the Northwest Architect, official publication of the Minnesota Society of Architects.

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A New Concept in the Use of Glass

The faceted glass window for the new Anshei Sfard Synagogue reveals an architectural approach in construction which makes the window unique in its field.

The glass, portions of which were imported from France and Germany and portions furnished by Blenko Glass Company, Milton, West Virginia, is conventional dalle. These dalles come in inch-thick slabs that are furnished in sheet sizes 8 X 8 inches and 8 X 12 inches.

The beauty and appearance of leaded and faceted glass windows from the exterior view has always been a problem for the architect. A leaded glass window presents tones of only gray and black. Faceted glass has been somewhat better with the white background behind the glass, however, the exterior appearance has still been limited to whites, varying shades of gray and black.

Mr. Alfred S. Joseph, Jr., the architect, felt that the ordinary treatment usually given faceted glass was not enough. His needs were expressed to the Louisville Art Glass Company, Inc., and to the H. B. Fuller Company, supplier of the epoxy.

After much experimentation and discussion, a stunning effect has been achieved. The large Menorah, which is the theme of this window, has been backgrounded with gold epoxy, and the Lamp of Knowledge and the Star of David, or candelabrum, have been silhouetted in an orange-red and the smoke from the Lamp of Knowledge is bright blue.

The epoxy from the exterior has been colored a warm, beige limestone. The results are very satisfactory, and the window from the exterior appears to be a mosaic, whereas the beauty of the glass, as viewed from the outside, at night, and from the inside, in the daytime, is unimpaired.

The epoxy was placed in the window by pouring the color first. The color was held in position with soft plexiglass strands and was poured to a thickness of ½-inch. Upon the curing of the first pour, the dams were removed and the final pour of beige limestone color was accomplished.

A faceted glass window uses either concrete or epoxy as a carrying agent for the glass, in lieu of the lead came that have been used in the past. The glass itself is faceted after being cut by knocking off the edges, thereby lending to the glass, a jewel effect, varying in color density. After the design and coloring have been decided on, full size patterns are made and each piece of glass is cut to conform to its individual space in the window. The binding agent in this field has traditionally been concrete, but due to the limitations, epoxy, as was used in this instance, is rapidly being adopted as the carrying agent for faceted glass windows. Epoxy has a percentage of shrinkage which is not worth considering in work of this type. It does not crack, does not effervesce, and is so extremely dense that condensation is negligible. And because of the inherent strength of the epoxy, it can be used in ½-inch to 5/8-inch thickness, as opposed to the inch or inch and one quarter required by the use of concrete.

Mr. Edwin Penna of the Louisville Art Glass Company advises that, to his knowledge, this is the first time an effect of this nature, revealed in the beauty and appearance of the Anshei Sfard Synagogue, has been accomplished in either faceted or leaded glass.

Central Region Council

The Kentucky and Ohio Boards have invited representatives from other state boards in the central region to meet in Cincinnati early in February to discuss a "Central Region Council." It is hoped that such a council, if formed, might offer common examinations and expedite reciprocal licensing between member states.

You are cordially invited to attend our First Annual Gallery Show at Hubbuch in Kentucky, January 11 through January 30, 9:00 A.M. til 5:00 P.M. weekdays.

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Second Kentucky Concrete Conference

"Today, the structural engineer should have an appreciation of the architectural approach, and likewise, the architectural designer should appreciate the structural engineering approach."

So said Mr. H. Griggith Edwards, a fellow of the American Institute of Architects and member of Edwards & Portman architectural firm in Atlanta, Georgia, who spoke before the second Kentucky Concrete Conference at the University of Kentucky Dec. 6 and 7.

The conference was sponsored by the University of Kentucky departments of extended programs, architecture and civil engineering. A third conference is planned for 1964.

Attendance was good at this year's conference and many subjects of importance and interest were presented as part of the two day program.

Many representatives in the fields of architecture were present, not only from Kentucky; but Georgia, Texas, Illinois, Wisconsin and Ohio.

A brief resume of the subject matter presented before the conference included pictorial and verbal discussions on architectural ideas and forms; precast and prestressing uses of concrete; winter concreting and proper methods of use during periods of low temperature; specifications in relation to contractor; ultimate load design and the working load design methods used in structural engineering; design and construction of parking areas and sidewalks; concrete floating slips, bulkheads and launching ramps and many others.

J. F. Noffsinger, associate professor in the University of Kentucky Department of Architecture, gave the concluding presentation with an illustrated discussion of significant concrete structures in the United States.
First Elliptical Parabolic Shell

Kentucky's horizon in architectural form continues to expand as the first elliptical paraboloid concrete shell in the state is built on the campus at the University of Louisville.

The new structure is the physical education building located on the east side of the campus and within sight of the north-south expressway.

This striking addition to our architectural scene has all of the spectacular beauty which has become associated with the variety of new shell forms that are taking shape around the Bluegrass State. With increasingly simplified design procedures and letters forming techniques, there is every indication that this phase of architecture will continue to be more prevalent.

Drawings for the new building, with an elliptical parabolic concrete shell over the gymnasium proper, were prepared by the former firm of Hartstern, Louis and Henry. Lawrence J. Leis of the new firm of Louis and Henry, Architects and Associates, was the chief architectural designer, with Osman H. Senler of the new firm of Hartstern, Schnell and Associates providing the structural engineering services.

Shells derive their strength, and consequently part of their economy, from a basic principle of statistics that -form- is an important factor in the development of strength.

Design of the shell was based on a paper "Hyperbolic Paraboloids and Other Shells of Double Curvature" by Alfred L. Parme, Portland Cement Association, Chicago.

The forming technique was designed by Wehr Contractors of Louisville.
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Permanent display - Architects Building, 101 Park Ave., New York, N.Y.
The newly completed Administration Building of Kentucky Southern College is the first permanent structure of many, planned for the two hundred acre campus. At present, the building houses all the many functions of a liberal arts college; administration, classrooms, laboratories and library. As the college grows and each department moves to its own complex within the campus, this building will become entirely administrative offices and general classrooms.

The first floor is raised approximately eleven feet above original grade, compensating for natural land slope, and the two masses which form the building are connected by an open corridor. The binuclear form was chosen, to accomplish separation of administrative from classroom function, and the use of earth podium or berm served as the method in compensating for land slope. For year-round comfort, a double duct heating and air conditioning system has been installed.
The new Bert Combs Building, recently completed on the campus of Eastern Kentucky State College provides a warm backdrop which represents a respect for the classic architecture of the past, expressed in terms new building technology, combined with the contemporary nature of the present. The building contains lecture halls, equipped with the latest in projection and sound equipment, in addition to housing fifty nine classrooms, offices and suites for department heads. Year round air conditioning utilizes available steam, with associated chillers and fans placed in strategic locations. Long span reinforced concrete, utilizing tubes to form the joists, is employed in the structure. Walls are reinforced concrete, outer and inner core, with an exterior covering of machined Indiana limestone.
Morehead State College's new Administration Building has been skillfully situated between two of the college thoroughfares, taking full advantage of the park-like terrain and a fifteen foot land slope. The first floor floats above the recessed ground floor, giving the building a two-story appearance from the lower level and a one-story effect along the high ground. The pattern of steel members suspended from the concrete overhangs serves to fore-shorten the long boulevard elevation, recall the rhythm of the fenestration and to provide the vertical continuity needed to tie in future additions. A concrete flat plate with 20' X 20' bays were used in the structural system, designed to receive a future third floor.
The Agricultural Sciences Building is a prominent part of the University of Kentucky’s Agricultural Science Center. This predominantly research building is designed around a core of laboratories which, in turn, cluster around a utility core spinal cord of vital consequences for the unpredictable future.

As conceived, it is reasonable to expect the buildings proposed for the Science Center to serve a hundred or two hundred years. It is, therefore, understandable that the architects and engineers have incorporated the maximum built-in flexibility possible; wide spacing of columns, utility cores, demountable partitions, access type ceilings, mechanical services taps, electrical power availability, to mention but a few. The future will prove these examples of architectural foresight and planning to be of unquestioned reliability.
Producers Council Meeting

The Producer Council's annual Christmas party at the Louisville Boat Club on Wednesday, December 4, proved to be a thoroughly enjoyable evening for everyone who attended.

The theme for the evening was "Our thanks for the splendid cooperation this last year" and included a social hour, followed by a delicious dinner.

Jean D. Farley of Luckett & Farley, A. I. A., was the proud winner of the estimating contest and carried off the prize bottle of champagne.

East Chapter Meeting

The November meeting of the East Kentucky Chapter of A. I. A. was highlighted by a talk on the planning development in Washington, given by Mr. Donald E. Jackson, urban design architect with the National Capital Planning Commission.

The East Kentucky Chapter has presented a proposal to the local planning commission to assist them in the building and campus development studies pertinent to the University of Kentucky.

Recently elected officers of the chapter are: President, K. V. L. Miller, Vice President, Charles P. Graves and Secretary, Byron F. Romanowitz.

New Public Face For Bank Branch

The Middletown branch of the Liberty National Bank and Trust Company is an interesting study in economical and efficient modernization.

The $60,000 conversion project was completed in just five months with no business shut down.

Exterior alterations included a new entrance, vestibule, and a new night depository.

Interior changes presented the greatest challenge to August C. Baker, A. I. A., Middletown architect. The original building, vintage late 1940's, is reinforced concrete with center supporting columns.

Judicious use of the plastic laminate Micarta enabled Mr. Baker to "wrap" a serpentine counter around the existing columns, and at the same time increase the lobby by 35 percent.

For those interested in Micarta, its uses and applications, information is available through U. S. Plywood.
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First Gallery Show

In the interest of promoting an awareness of good contemporary art, Hubbuch in Kentucky is sponsoring a first annual gallery show at their store, 324 West Main Street, in Louisville, through January 30. This will be a jury show of fine art, with cash awards.

Entries are limited to 125 works and the exhibit is open to artists located within 125 miles of Louisville.

There will be $150.00 in awards made for paintings in any media. Line drawings are scheduled for $50.00 in awards; sculpture, $100.00 and ceramics, $25.00 in awards.

Hours are to be nine to five on weekdays. All exhibits must be original works, completed within the last two years. An artist may submit three works in any of the four classes. The jury may accept three works in one class or one work in three classes. Total entries of one artist are to be no more than three. No entry fees are being charged.

The Judges are Mr. Robert Luck, director of the American Federation of Arts in New York City and Mr. Jack Cartwright, professional designer and painter, from North Carolina.

Every effort will be made to sell these original works and no commission fees will be charged.

Students from the University of Kentucky School of Architecture are invited to be "special guests" for one day during the exhibit.

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West Kentucky Chapter Meeting and Elections

The pre Christmas meeting of the West Kentucky Chapter of A. I. A. was held December 11 at the Brown Hotel's Louis XVI Room, in Louisville, and as customary, the ladies were invited guests.

The meeting began with the usual handling of chapter business and was followed by a cocktail hour and dinner.

The theme for this meeting was portrayed by a most interesting discussion presented by guest speaker, Mr. Earl Ziegler, manager of construction material for Dow Chemical Company, whose subject was the "Growing uses of Plastics in Construction." Mr. Ziegler's presentation was accented with illustrations, and the subject matter was both interesting and informative.

Recently elected officers are: President, A. Bailey Ryan, Vice President, Bergman Letzler, Secretary, Donald Schnell and Treasurer, A. Dean Huff.
Student Council News

Donald Jackson, architect, National Captiol Planning Commission, Washington, D. C., presented a slide lecture on "Tale of Four Cities" to the assembly of architectural students and members of the chapter of November 22.

Carl Ressor, structural engineer, Portland Cement Association, presented a slide lecture on concrete to the assembly of architectural students and members of the chapter on December 6.

Plans are underway for the field trips in March 1964, second year students to go to Chicago and advanced students to go to New York.

The first annual students Beaux Arts Ball, is tentatively scheduled for early April.

Rapson to Speak to Students at U. of K.

Ralph Rapson, professor and head of the Institute of Technology, School of Architecture, University of Minnesota, will be speaking to the students at U. of K. Dept. of Architecture on Friday, January 24 and there will be an exhibition of some of his award winning painting concurrent with his visit.

Important reminder - the department has on exhibition through January 26 one hundred original sketches by Eric Mendolsohn. The exhibit is open to the public during the day and can be made available for groups at other times if the department is notified in advance.

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<tr>
<td>School &amp; Office Furn. &amp; Equip.</td>
<td>Blumcraft of Pittsburgh</td>
<td>460 Mellwood St. (MU 1-2400)</td>
<td>Pittsburgh</td>
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<td>Sound &amp; Communication</td>
<td>Ray Nolan Roofing Co., Inc.</td>
<td>4606 Illinois Ave. (454-4659)</td>
<td>Louisville</td>
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<tr>
<td>Sprinkler Systems</td>
<td>Standard Office Furniture &amp; Supplies</td>
<td>220-230 S. 1st St. (584-8211)</td>
<td>Louisville</td>
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<tr>
<td>Telephone Planning Service</td>
<td>Technical Service Corp.</td>
<td>917-19 S. 3rd St. (587-8476)</td>
<td>Louisville</td>
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<td>Termite Control</td>
<td>Fire Protection of Louisville, Inc.</td>
<td>3717 Downing Way (451-0700)</td>
<td>Louisville</td>
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<td>Terrace, Tile &amp; Marble</td>
<td>Southern Bell,</td>
<td>521 W. Chestnut (584-9011)</td>
<td>Louisville</td>
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<tr>
<td>Water Heaters</td>
<td>Kentucky Terminix Co.</td>
<td>611 E. Broadway (587-8675)</td>
<td>Louisville</td>
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<tr>
<td>Woodworking</td>
<td>Rosa Mosaic &amp; Tile Co.</td>
<td>4023 S. Brook St. (368-5893)</td>
<td>Louisville</td>
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<td>Ruud Water Heater Sales Co.</td>
<td>840 E. Chestnut St. (583-7629)</td>
<td>Louisville</td>
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<td></td>
<td>Anderson Woodworking Co.</td>
<td>1381 Beech (774-2371)</td>
<td>Louisville</td>
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CURTAIN WALL

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<th>complete service</th>
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<td>estimates erection</td>
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<td>kawneer wall systems</td>
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<td>glass panels</td>
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TROPICLAS ...by Russell
ARCHITECTURAL PANELS

TYPES OF TROPICLAS

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<th>CATHEDRAL HONEYCOMB</th>
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