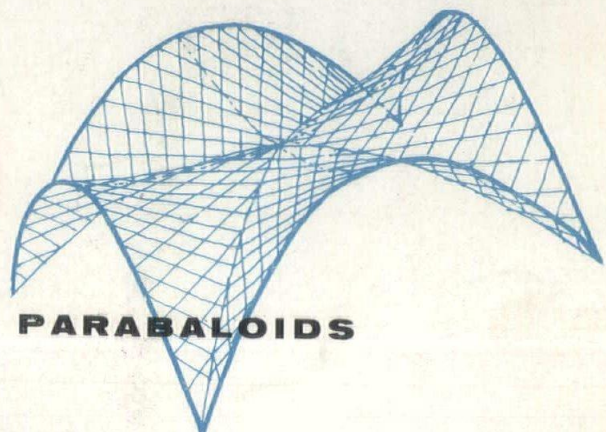
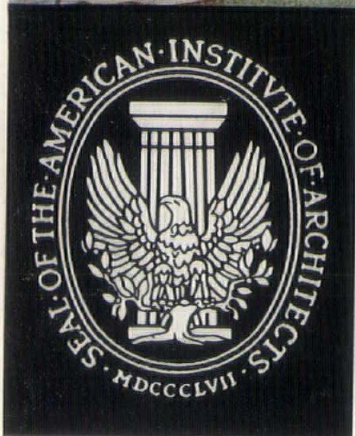
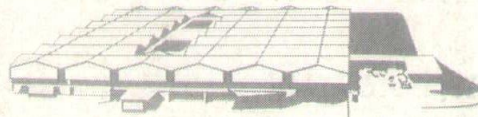


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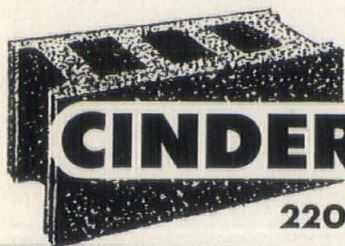
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A CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS

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May, 1960

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May 19-20-21, 1960

CONVENTION PROGRAM

THURSDAY, May, 19, 1960

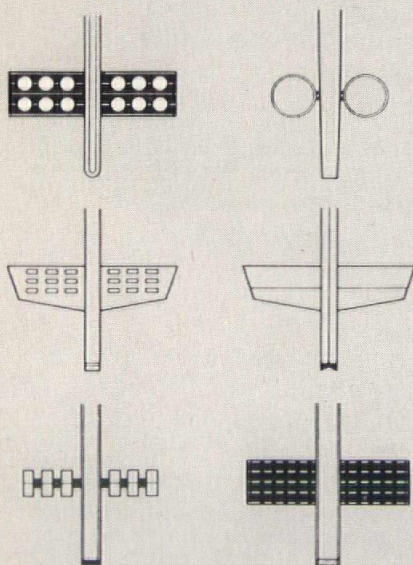
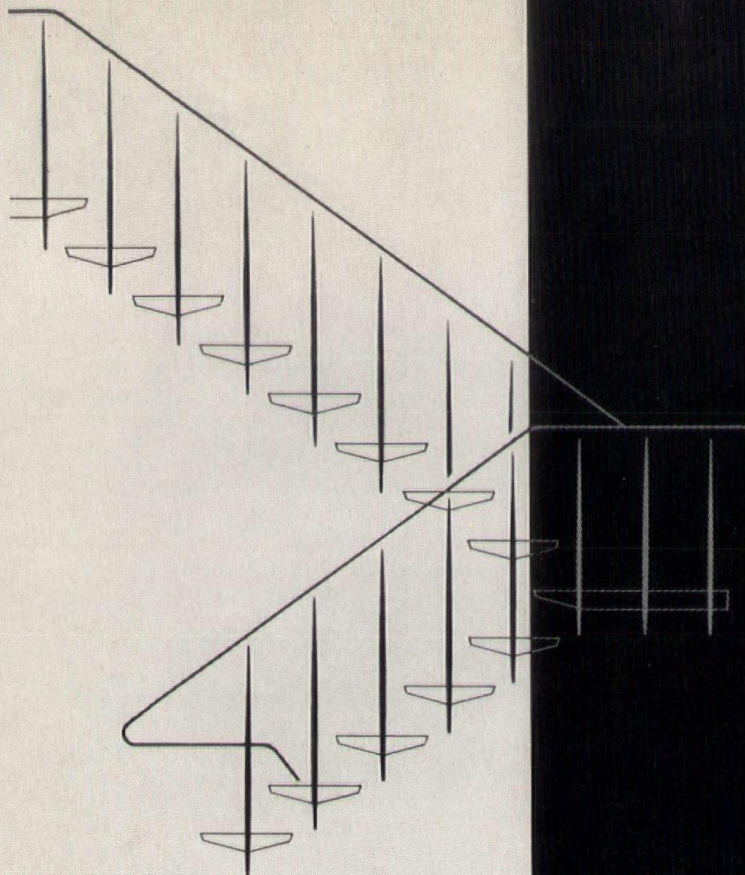
- 12:00 Noon, CDT: "Tee Time", Producers' Council Annual Golf Outing, Hillcrest Country Club. Transportation available from the Washington Hotel. (Men)
- 12:00 Noon to 5:30 P.M., CDT: Registration, Lobby, Washington Hotel, Indianapolis.
- 5:00 P.M., CDT: Cocktails, Producers' Council Golf Outing, Hillcrest Country Club. (Men)
- 5:00 P.M., CDT: Ladies' Dinner at the home of Mr. and Mrs. Calvin Hamilton, 6501 North Amber Crest Drive, Indianapolis. Transportation available from the Washington Hotel. (Ladies)
- 6:30 P.M., CDT: Producers' Council Banquet, Hillcrest Country Club. (Men)

FRIDAY, May 20, 1960

- 8:30 A.M. to 2:30 P.M., CDT: Registration, Lobby, Washington Hotel.
- 9:30 A.M., CDT: Specification Seminar. (Men). Frank William Crimp, AIA, of Boston, Massachusetts, main speaker.
- 10:30 A.M., CDT: Ladies' Brunch, at the home of Mr. and Mrs. William C. Wright. (Ladies)
- 12:30 P.M., CDT: Luncheon, Walnut Room, Washington Hotel. (Men) Lynn Smith, AIA Great Lakes Regional Director, presiding.
- 5:00 P.M., CDT: Cocktail Party, Washington Hotel; Hugh J. Baker & Company, hosts. Dress optional.
- 6:00 P.M., CDT: ISA Annual Banquet, Washington Hotel. James Eldridge, public relations director for Bobbs-Merrill Publishing Company, speaker. Dress optional. Corsages for the ladies provided by Unit Masonry Association, Inc. Dinner and dance music by Tommy Moriarity and his orchestra.

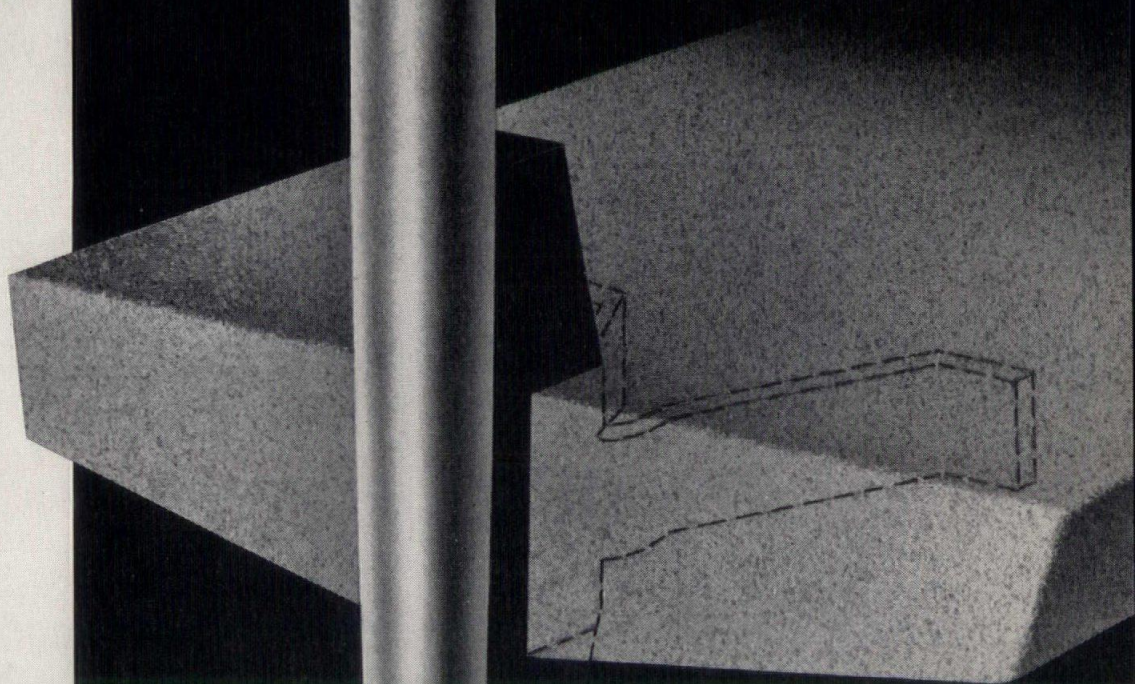
SATURDAY, May 21, 1960:

- 9:30 A.M., CDT: Annual ISA Business Meeting, Washington Hotel. (Men) Charles J. Betts, ISA President, presiding.
- 11:30 A.M., CDT: Busses leave Washington Hotel for Indianapolis Motor Speedway.
- 12:00 Noon, CDT: Speedway Outing, Indianapolis Motor Speedway. Second Saturday of Qualification Trials for the Memorial Day 500 Mile Race. Indiana Chapter, Producers' Council, hosts. Box lunch will be served at the Speedway, and guided tours of the Speedway and the Speedway Museum will be available.
- 6:30 P.M., CDT: Busses leave the Speedway for the Washington Hotel.



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ISA Convention Opens Thursday



The 1960 Annual Convention of the Indiana Society of Architects will get under way Thursday, May 19th, with the staging of the annual Producers' Council Golf Outing sponsored by the Indiana Chapter, Producers' Council. "Tee Time" for the yearly favorite is 12:00 Noon, CDT, at the Hillcrest Country Club in northeast Indianapolis. Transportation will be available from the Washington Hotel.

Registration for the convention also will start Thursday, with the registration taking place in the lobby of the Washington Hotel. The desk will be open from 12:00 Noon, CST, to 5:30 P.M., CST, on Thursday, and from 8:30 A.M. to 2:30 P.M. on Friday, May 20.

This year admittance to all events will be by identification badge only. The registration fee of \$11.25 per person includes charges for all convention functions and meals.

For the ladies, dinner on Thursday will be served at the home of Mr. and Mrs. Calvin Hamilton, 6501 North Amber Crest Drive in Indianapolis. The Hamiltons' home is located near the Hillcrest Country Club, and transportation will be available from the Washington Hotel.

On Friday morning, a Specification Seminar will be produced by the Indiana Chapter, Producers' Council, starting at 9:30 A.M. at the Washington Hotel.

Main speaker for the event will be Mr. Frank W. Crimp, AIA, Boston architect and chairman of the AIA Committee on specifications. Mr. Crimp is a partner in the firm of

Clinch, Crimp Brown & Fisher (for thirty years prior to January, 1959, known as Adden, Parker, Clinch & Crimp), and a charter member of the Boston Chapter, Construction Specifications Institute. He has been vice-president and a director of this CSI Chapter, and currently is a national director of the CIS and co-chairman of the PC-CSI Joint Committee.

Mr. Crimp is a past president of the Massachusetts Building Congress and a member of the Government Center Commission for the construction of a new city hall for the City of Boston. He is also a member of the National Panel of Arbitrators of the American Arbitration Association.

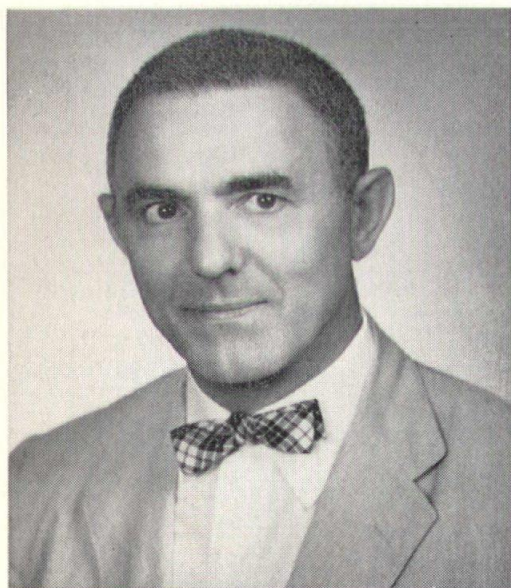
An outstanding national authority on specification problems, Mr. Crimp will outline the progress being made in the field of specification writing and will moderate a discussion on specification writing.

This seminar represents an unusual opportunity for the architects of Indiana to assume the leadership in correcting many of the difficulties presently discussed by the various segments of the state construction industry. Accordingly, it is hoped that the various architectural firms will encourage as many of their architects and technical employees as possible to attend the session.

At 10:30 A.M. on Friday, the ladies will get together for brunch at the home of Mr. and Mrs. William C. Wright. The program is being planned by the Women's Architectural League, an will be followed by the annual WAL business meeting.

The Friday luncheon will be served in the Walnut Room of the Washington Hotel, and will be presided over by Mr. Linn Smith, AIA, Great Lakes Regional Director. Following lunch, Mr. Smith will moderate a discussion on the ethics and practice of the profession of architecture.

(Please turn to Page 25)



*Frank W. Crimp, AIA
Specification Expert
(left)*



*James Eldridge,
Banquet
Speaker
(right)*



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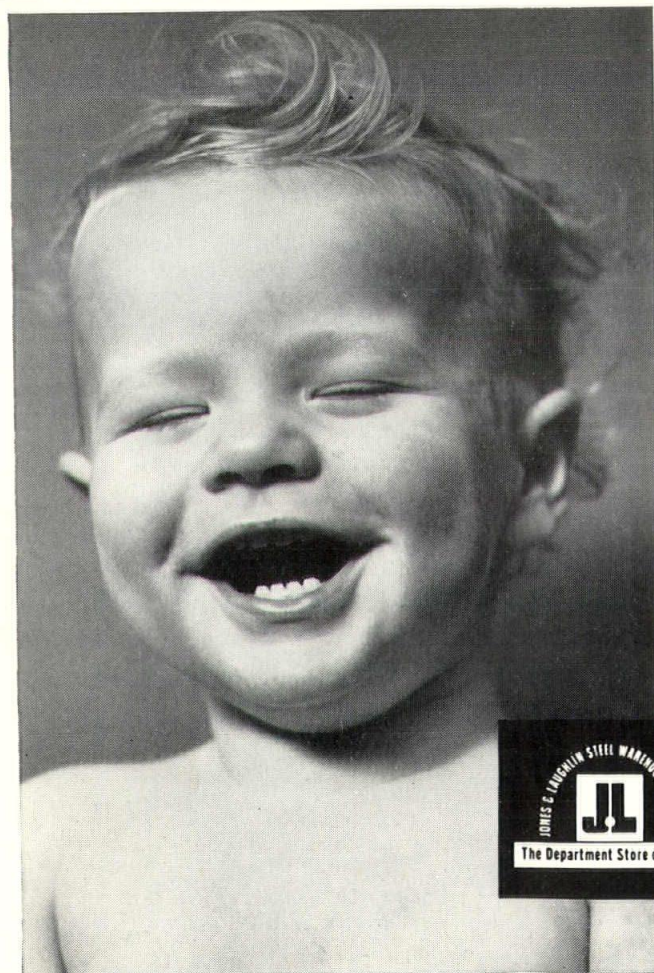
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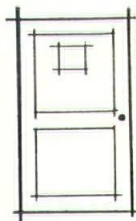
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Philip Will, Jr., Elected AIA President

Mr. Phillip Will, Jr., FAIA, has been elected President of the American Institute of Architects, succeeding Mr. John Noble Richards, FAIA, who retires after two years as AIA president.

Mr. Will, a partner in the Chicago, Illinois, architectural firm of Perkins and Will, had served the past two years at First Vice-President of the Institute and was unopposed in his bid for the presidency.

Born in Rochester, New York, on February 15, 1906, Mr. Will graduated from Cornell University in 1928 and received his Bachelor of Architecture Degree from there in 1930. He had served as a director, second vice-president and president (for two years) of the Chicago, Illinois, AIA Chapter. From 1956 to 1958 he was second vice-president of the AIA, and from 1958 until the San Francisco convention last month was first vice-president.

He has served on numerous national committees including School Buildings, National Capital and the Committee on Organization. He has been chairman of the Committee on Structure (which drafted the reorganization plans considered at the convention this year), Committee on Documents Review, Election Procedures, and Metals and Awards.

Mr. Henry Lyman Wright, FAIA, of Los Angeles, California, was elected without opposition to the First Vice-Presidency formerly held by Mr. Will. Prior to the convention, Mr. Wright had served as Institute Second Vice-President since 1958.

Born in San Diego, California, on February 28, 1904, Mr. Wright attended San Diego State College and the University of Southern California, and in 1929 studied in Europe under the direction of the University of Southern California.

His architectural career started while he was in college, as an office boy in the office of Mr. T. C. Kistner, Architect. Nineteen years later, in 1941, Mr. Wright became a partner

in the firm of Kistner, Wright & Wright, architects and engineers.

Mr. Wright served his Southern California Chapter as director, vice-president and president; in addition, he has been vice-president and president of the California Council of the American Institute of Architects.

He has served on the AIA Committee on School Buildings (for three years its chairman), Package Deal Committee, and several others. He also represented the AIA at the White House Conference on Education in 1955.

Mr. James M. Hunter, FAIA, of Boulder, Colorado, was chosen as the Institute's Second Vice-President, succeeding Mr. Wright. Mr. Hunter was born in Omaha, Nebraska, on April 19, 1908, and studied Architectural Engineering at Iowa State College before receiving his Bachelor of Architecture from the University of Illinois in 1936. He also studied as Allerton Scholar in the United States, Canada and Mexico in 1936.

Following his military service in the Second World War, Mr. Wright formed his own firm, James M. Hunter & Associates. He is a past president of the Colorado Chapter, AIA, past chairman of the AIA Committee on Education and chairman of the AIA Committee on the Profession.

Mr. J. Roy Carroll, Jr., FAIA, of Philadelphia, Pennsylvania, was unopposed in his bid for his second term as Institute Secretary. Born in 1904 in Philadelphia, Mr. Carroll received his B.A. Degree from the University of Pennsylvania in 1926 and his M.A. Degree in Architecture from the same school in 1928. He is partner in the firm of Carroll, Grisdale & Van Alen.

Mr. Carroll is a former president of the Philadelphia Chapter, AIA, and was the first president of the Pennsylvania Society of Architects. For three years prior to his election as Secretary of the Institute he served as AIA Regional Director from the Middle Atlantic State District.

Mr. Raymond S. Kastendieck, FAIA, of Gary, was re-elected Treasurer of the Institute, a post he has held since 1956. Born in Billings, Missouri, on August 31, 1894, Mr. Kastendieck received his B.S. in Architecture from Washington University in St. Louis in 1923. He organized his firm, Raymond S. Kastendieck & Associates, in 1933.

Mr. Kastendieck is a former president of the Indiana Society of Architects and was Great Lakes Regional Director from 1954 to 1957. He has served on numerous Institute and Board committees, including Finance, Public Relations, Professional Insurance and Revenue.



*Philip Will, Jr., FAIA
President, AIA
(left)*



*Ray S. Kastendieck,
FAIA, Treasurer, AIA
(right)*

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AIA Convention Considers "Expanding Horizons"

More than two thousand architects from all over the United States, including nine representatives of the Indiana Society of Architects, convened in San Francisco April 18th to the 22nd and probed the future to see what it may hold for architecture.

The theme for this year's convention of the American Institute of Architects was "Expanding Horizons." Outstanding, thought-provoking talks by four prominent speakers in the fields of sociology, technology, politico-economics and philosophy geared the convention to a high intellectual level, while panels of well-known architects applied the thoughts expressed in the talks to the practice of architecture.

The talk by sociologist Dr. Wendell Bell, professor of Sociology and Anthropology at the University of California, Los Angeles, was followed by architects Harry Weese of Chicago, Illinois; Henry D. Whitney of New York; and William W. Wurster of Berkeley, California.

Dr. J. Robert Oppenheimer, Director of the Institute of Advanced Studies at Princeton, New Jersey, spoke of the "House of Science." Dr. Oppenheimer served as director of the Los Alamos Scientific Laboratory in New Mexico during the war years, while the first atomic bomb was developed and tested there. Later, he became the chairman of the General Advisory Committee to the U. S. Atomic Energy Commission.

Dr. Oppenheimer's discourse was discussed by a panel on "Technological Horizons," consisting of architects O'Neil Ford of San Antonio, Texas; Burnham Kelly, Cambridge, Massachusetts; and George Fred Keck of Chicago.

Dr. C. Northcote Parkinson, British author, lecturer and Professor of History at the University of Malaya, spoke on "Political and Economic Horizons." Dr. Parkinson is the author of "Parkinson's Law" and "The Evolution of Political Thought," and also has written several books on economic, naval and military history.

Architects commenting on Dr. Parkinson's remarks were Walter Netsch, Jr., of Chicago; Maynard Lyndon and Robert E. Alexander, both of Los Angeles.

The final speaker was Dr. Morton White, Professor of Philosophy at Harvard University and author of "The Origin of Dewey's Instrumentalism," "Social Thought in America," "The Age of Analysis," and "Toward Reunion in Philosophy."

Dr. White spoke on "Philosophical Horizons," and the panel included architects Lawrence B. Anderson, of Boston, Massachusetts; Louis I. Kahn, Philadelphia, Pennsylvania; and John MacL. Johansen of New Canaan, Connecticut.

This portion of the convention program was introduced and outlined by Mr. Ralph Winford Tyler, Director of the Center for Advanced Studies in the Behavioral Sciences at

Stanford University in California. Mr. Tyler is an authority on achievement test construction and educational experimentation, and autor of "Appraising and Recording Student Progress," and "Basic Principles of Curriculum and Instruction."

Attending the Convention as delegates from Indiana were: ISA President Charles Betts of Indianapolis; Rollin V. Mosher, Indianapolis; James Turner, Hammond; George N. Hall, Gary; Warren D. Miller, FAIA, Terre Haute; Edward D. James, Indianapolis; Walter Scholer, FAIA, Lafayette, Robert Schultz, South Bend; and AIA Treasurer Raymond S. Kastendieck, FAIA, Gary.

Dunes Park Resolution Referred to Committee

A proposal by the Chicago AIA Chapter that the AIA Convention endorse and support legislation to create a national park of the Indiana Dunes area was defeated by referral to committee for a year's further study.

The Chicago group had attempted to gain the support of the Indiana Society for this proposal prior to the Convention, but the ISA objected strongly to the final paragraph of the proposed resolution, which called for support of legislation introduced by Senator Douglas of Illinois to establish the national park.

The Indiana Society had agreed upon all other points in the proposal, matters to city planning, area planning, and the preservation of natural resources.

The ISA, however, felt that Senator Douglas' bill did not represent the best interests of the citizens of Indiana, especially since its passage was opposed by Indiana's two Senators, one representing each political party.

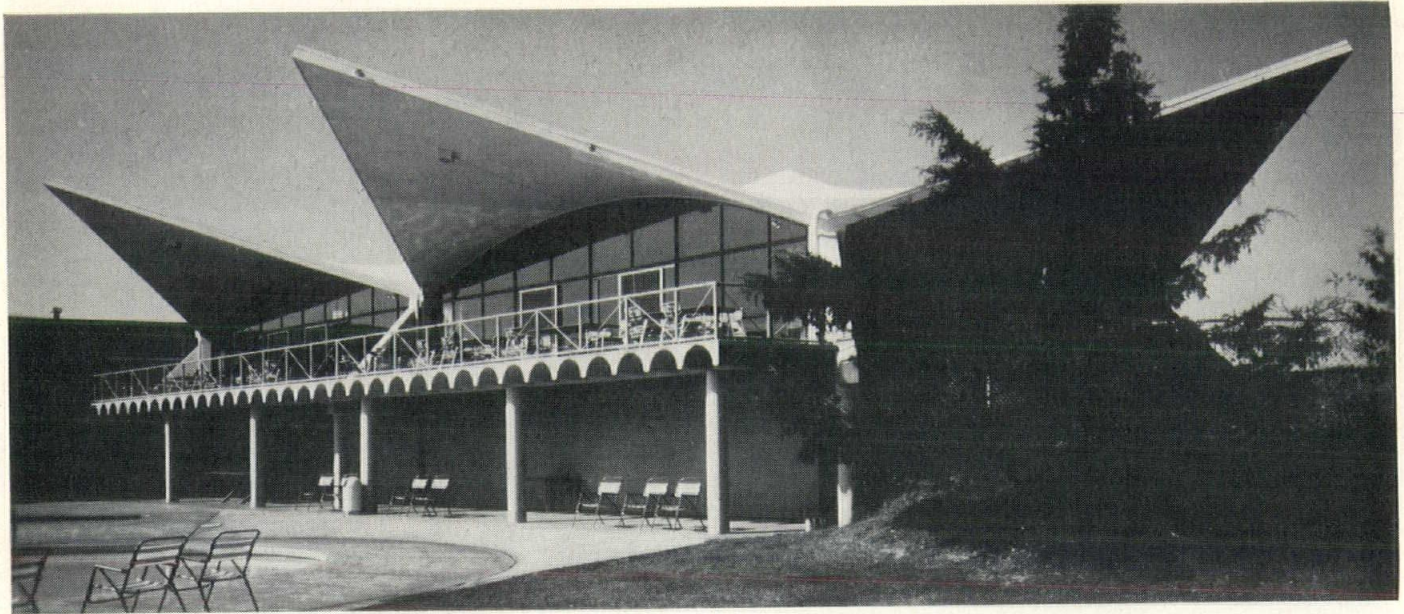
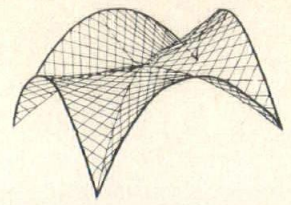
After the resolution was introduced by the Chicago delegation, ISA President Betts spoke in opposition to the proposal and a general floor discussion arose. After arguments had been heard from a variety of delegates, President Betts moved to strike the disputed last paragraph from the resolution.

Before a vote could be taken however, a motion was put forth to refer the entire resolution to the AIA Committee on Historic Buildings. The voice vote on referral was affirmative.

Following the session, various AIA staff members expressed appreciation to the Indiana Society for preventing adoption of the proposal, since the Douglas bill has been shelved in committee and is considered in Washington as a dead issue. The staff members felt the resolution, if passed, would place the AIA in the position of supporting hopeless legislation.

about the cover

Hyperbolic Paraboloids



A hyperbolic paraboloid roof lends drama to the two story clubhouse shown on this month's four color cover of the *INDIANA ARCHITECT*. The upward slanting projections of the shell cantilever over and protect the second-story veranda of the beautiful Elks Club located at Duncan, Oklahoma. The Architect is Cottingham and Cook of Lawton, Oklahoma. The Engineer is Kirkham Michael and Associates, Oklahoma City, and the Contractor is W. C. Shelton Company of Lawton.

The thin shell roof is now a project type in design offices and school workshops across the world. It finds great favor with the architect who sees it as an "exciting" new form. Space frames, hanging roofs and concrete shells are appearing in more and more architectural design offices almost daily.

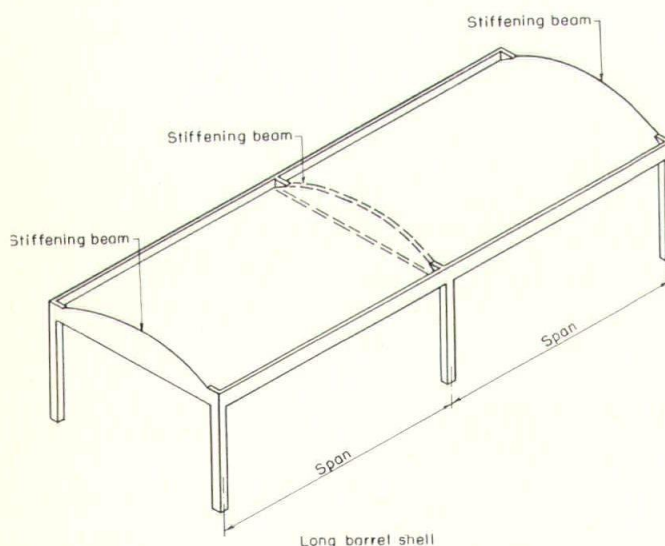


Fig. 1

ROOFS WITH A NEW DIMENSION

With few exceptions, the buildings conceived and executed in the past were two dimensional. Post-and-lintel design and construction seemed the easiest way to fill a man's eternal need for shelter. This type of construction has been adequate and expedient.

However, architects have sometimes chafed under the restraint of such planar limitations. One result has been the domes that dot the architecture of the past. Such variations from conventional design proved prohibitively expensive. In 1923 Carl Zeiss, the famous German manufacturer of optical equipment, designed and had built the first concrete shell roof.

This signaled the opening of a new era of freedom in architectural design. In the few years since the construction of that barrel shell roof, the sizes, types and shapes of concrete shells have grown and multiplied until today there is a concrete shell roof for nearly every type of building. Shell roofs are now used for such divergent structures as churches, service stations, airplane hangers, auditoriums, industrial buildings, water reservoirs and many types of stores.

American Architects and engineers have developed the basic designs, originated by the Europeans, and added their own ideas to create design and construction techniques that are both versatile and practical.

There are four commonly used types of shells—barrels, domes, hyperbolic paraboloids and folded plates. Within each category are many possible variations in shape. They range from the classical purity of the simple long barrel shell (See figure No. 1) to the highly unusual combinations of dissimilar hyperbolic paraboloids (See figure No. 2).

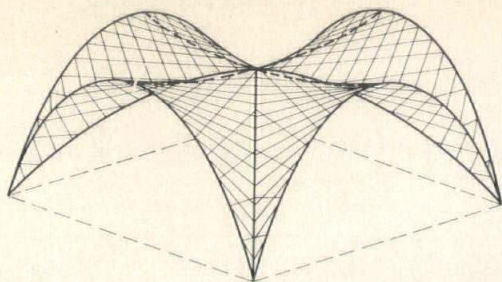


Fig. 2

In a recent article in LIFE MAGAZINE, a feature story was written on the master builder, Felix Candela. In the article entitled "Mexico's Candela Builds Inventive Low-Cost Structures," it states: "Zooming up towards the heavens, the hilltop chapel above is a startling sight for visitors on their way to the Mexican resort of Cuernavaca. For its builder, Felix Candela, it is a simple demonstration of the flexibility of concrete. Over the past decade Candela has poured concrete into equally spectacular shapes for more than 200 buildings in Mexico and the U. S."

In addition to their spectacular beauty, concrete shell roofs often prove to be the most economical means of roofing buildings. Simplified design procedures and improved forming techniques have made them highly competitive with other roof systems long thought to be the lowest in cost.

Shells derive their strength, and consequently part of their economy, from a basic and easily comprehended principle—that **form is an important factor in the development of strength**. Curvilinear shapes make concrete shell roofs the most efficient method known for enclosing space.

A shell roof can be thought of as a long continuous beam of curved cross-section that combines the advantages of trusses, purlins and wind bracing through utmost interaction of its parts. This ultimate achievement of mutual action of all parts creates unusually high lateral stability, which in turn imparts an unusually great capacity to carry unbalanced loads. The continuity, which can be best achieved



Fig. 3

Hyperbolic Paraboloid located at Warm Mineral Springs; commonly referred to as Florida's Parasol Motel.

in concrete construction, adds further to the efficiency of shell design.

Engineers have successfully applied prestressing to add to the structural capabilities of shells. By introducing a prestressing force in the edge beam, in the shell itself, or in both, it has been possible to extend spans and increase load-carrying capacities considerably.

Because of their strength-through-shape, shell roofs in the United States are as little as $2\frac{1}{2}$ inches thick. In many cases even this minuscule cross-section is more than is needed for strength. However, rigid building codes prescribe a minimum cover for reinforcement that usually makes $2\frac{1}{2}$ inches the thinnest allowable shell cross-section. In Mexico, shells as thin as $\frac{5}{8}$ inches thickness have been built.

The hyperbolic paraboloid as shown on the cover and in figure No. 3, is a shape of double curvature; that is, its surface is curved on two planes. Double Curvature imparts improved stiffness to Hp shells that increases their ability to span and to carry unsymmetrical loads.

A seeming paradox characteristic of this complex shape accounts for its construction practicability. Despite its double curvature, this shape is composed entirely of straight lines. It is possible to build forms with straight lumber. Also, reinforcement need not be bent but can be positioned along the straight form boards.

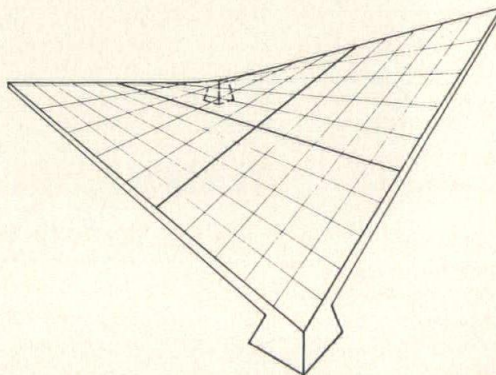


Fig. 4

Two commonly used variations of the hyperbolic paraboloid shell are the saddle (See Fig. No. 4) and the umbrella (See Fig. No. 5) shapes. However, the range offered by

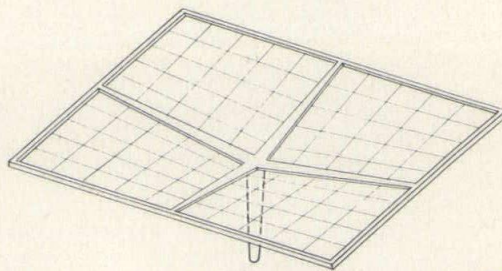
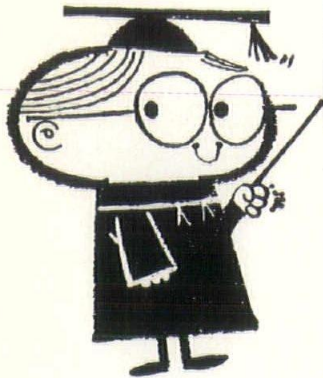


Fig. 5

varying the rise and span of shells and the variety achieved in different juxtapositions of like and dissimilar shells create a truly unbounded choice for any application.

The dual advantages of extreme stiffness and low construction cost, coupled with the beauty and versatility of this shape, make it a potent force in roof design.



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Education and Architecture in Indiana

by the Indianapolis District Committee on Education

It is encouraging to realize that Indiana will continue to play an ever-expanding role in our national productivity—both from the industrial and from the cultural points of view. As our state expands, more and more physical facilities will be required: schools, homes, highways, bridges, shopping centers, apartments, warehouses, manufacturing plants, churches, office buildings, museums, auditoriums, libraries, transit terminals—all the facilities created for and utilized by our society.

The architectural and planning professions naturally must provide much of the civic and creative leadership required to bring about the orderly and beautiful expansion of this man-made environment.

Indiana is a state already providing homes for over 4.5 million people within its 36,205 square miles. Indiana ranks tenth in the nation in population and five major cities of well over 100,000 population—Gary, Fort Wayne, Evansville, South Bend and Indianapolis, the latter with over one-half million residents.

Indiana occupies a key position in the national construction industry, as evidenced by its rank of third in national steel production and by its 80% output of all building limestone used within the United States.

Although agriculture is a large industry, Indiana primarily is a manufacturing state which produces a yearly abundance of fabricated products ranging from aircraft engines and automotive parts to foods, meats and chemicals.

In the field of advanced education, Indiana provides campuses for 34 colleges and universities, four of which are state supported. And fortunately our state abounds in beautiful lakes, forest preserves and state parks.

As professional people, the architects and planners of Indiana have an obligation to the society which they serve. A large part of that obligation is providing first rate planners and architects through an accredited school.

It is strange to note that Indiana's architects desire education prior to registration, but yet make no provisions for this desire within their own state. The medical, legal, business, teaching and engineering professions have all established excellent centers of learning within Indiana, and it is only logical that Indiana's architects and planners should do likewise.

It might be pointed out also that the surrounding states reap many benefits from a professional school of this type, in the form of urban development and re-development studies. The influence of these studies on local business and political leaders is immense.

The young men and women of Indiana who do not enter Notre Dame University* are forced to leave the state for their architectural and planning education. Many of these students often find it beneficial to remain in, and hence offer their talents to, other areas of the country where centers of architectural learning have been established.

These centers offer the transplanted graduates continual intellectual refreshment in their post-graduate days. There they have continual exposure to seminars, renowned speakers, architectural libraries, and above all, opportunities for the interchange of ideas and opinions with the student design community—always a source of stimulation and inspiration.

Our neighboring states of Illinois, Ohio and Michigan all support several leading architectural and planning schools, and Kentucky currently is establishing such a school at the University of Kentucky.

The failure to establish an architectural and planning school in Indiana might be attributed to uncoordinated and piecemeal efforts of the past, led by single individuals or small groups of individuals who did not seek, or at least did not have, the backing of political groups, university administrators, the construction industry, or the allied design professions.

In brief, a school of architecture and planning becomes a means through which the prestige and quality of the entire profession is elevated. The university has always been a symbol of academic endeavor and of the highest cultural achievement. It is encouraging to believe that Indiana's architects and planners will acknowledge this need and will accept the leadership in creating these educational facilities in Indiana.

This is a responsibility that can no longer be overlooked!

(*Notre Dame University, a private, church-supported school located at South Bend, bases its appeal on a national scale, and therefore accommodates few Indiana Students. In addition, those resident students who do attend Notre Dame are unable to enjoy the privilege of lower tuition fees possible at a state-supported school.)

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.....THE OPPORTUNITY FOR ARCHITECTURAL EDUCATION IN INDIANA

EXTRA FINANCIAL AND SCHOOLASTIC HURDLES USUALLY ACCOMPANY ATTENDANCE AT SCHOOLS IN OTHER STATES. 70% OF ALL ARCH. STUDENTS THROUGHOUT THE NATION WENT TO SCHOOL IN THEIR OWN STATE IN 1953.

-THE OPPORTUNITY FOR ARCHITECTURAL EDUCATION AT A PUBLIC INSTITUTION

PRIVATE SCHOOLS ARE USUALLY MORE COSTLY, WHICH CONTRIBUTED TO 65% OF ALL ARCH. STUDENTS ATTENDING PUBLIC INSTITUTIONS IN 1953.

-THE OPPORTUNITY TO PREPARE THEMSELVES TO MEET REGISTRATION AND LICENSING REQUIREMENTS
PRESCRIBED BY INDIANA BEFORE BEING PERMITTED TO PRACTICE AS ARCHITECTS



(A) 88%
(B) 87%
(C) 125%
(D) 103%

Illinois In
of Tech.

U. of Illinois

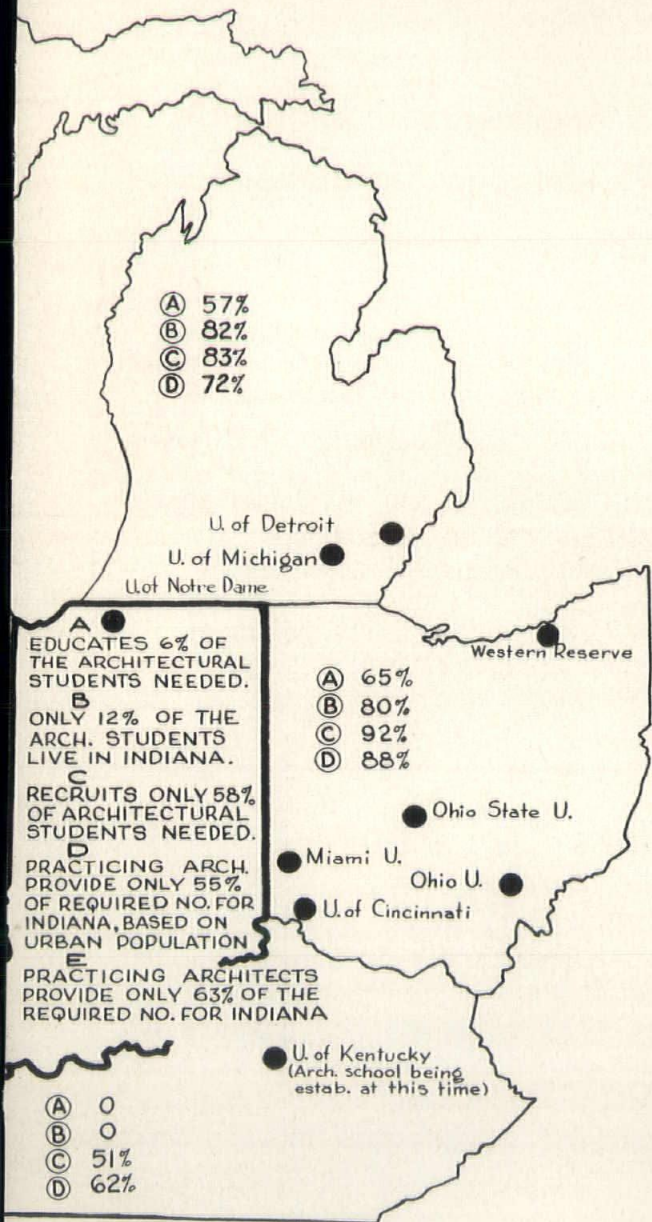
- THE ARCHITECTURAL PROFESSION IN INDIANA NEEDS.....
.....AN ADEQUATE NUMBER OF WELL TRAINED ARCHITECTS



- TO ATTAIN ITS MAXIMUM SOCIAL USEFULNESS, THEREBY EARNING PUBLIC CONFIDENCE
- BECAUSE INCOMPETENT MEN WOULD PRACTICE AND SELL INFERIOR SERVICES FAR BELOW ACTUAL COST OF COMPETENT SERVICES, RESULTING IN GREAT REDUCTION IN THE UTILIZATION OF COMPETENT SERVICES.
- TO ENHANCE COMPETENCE OF ITS MEMBERS BY INCREASING AND SHARING ARCH. KNOWLEDGE

-AN ADEQUATE NUMBER OF HIGH QUALITY STUDENTS, SO SERVICES OF THE PROFESSION WILL CONTINUE TO BE AVAILABLE TO THE PUBLIC ...WHICH WILL INSURE THE FUTURE OF THE PROFESSION.

ARCHITECTURAL EDUCATION INDIANA



A 1959 ARCHITECTURAL STUDENTS % of educational need being met by state			
STATE	Required No. of students based on urban pop. ^{10.6} / _{100,000}	Actual no. of students in school in their own state	Percent of need now being met by state
ILLINOIS	810	710	88
OHIO	700	456	65
MICHIGAN	580	329	57
INDIANA	297	17	6
KENTUCKY	136	0	0

*BASED ON 1953 NUMBER ADJUSTED IN PROPORTION TO TOTAL ARCH. STUDENT POP. CHANGE BETWEEN 1953 AND 1959

B 1953 IN-STATE STUDENTS			
STATE	Total no. of students provided by state	In-state students	% In-state students
ILLINOIS	946	882	87
OHIO	577	461	80
MICHIGAN	422	347	82
INDIANA	154	19	12
KENTUCKY	60	0	0

C 1953 ARCHITECTURAL STUDENTS % of recruitment need being met by state			
STATE	Required no. of students based on urban pop. ^{10.6} / _{100,000}	No. of students provided	% of this need being met by state
ILLINOIS	753	946	125
OHIO	625	577	92
MICHIGAN	509	422	83
INDIANA	265	154	58
KENTUCKY	117	60	51

D 1950 ARCHITECTS % of need met based on urban population			
STATE	No. of architects needed based on urban pop. ^{21.5} / _{100,000}	No. of architects provided	% of need being met by state
ILLINOIS	1393	1433	103
OHIO	1130	995	88
MICHIGAN	880	633	72
INDIANA	472	260	55
KENTUCKY	211	131	62

- E**
- IN INDIANA IN 1959 THERE WERE 351 REGULAR ARCHITECTS (³⁵¹/_{23,500}) OR 1.49 % OF TOTAL FOR U.S.
 - THAT YEAR THERE WAS \$672 M. OF BUILDING CONSTRUCTION IN INDIANA OR (^{\$672 M.}/_{29,536 M.}) 2.36% OF U.S. TOTAL.
 - TO HAVE 2.36% OF NATIONS ARCHITECTS, INDIANA NEEDS 554 ∴ ³⁵¹/₅₅₄ OR 63% OF NEED IS MET.

NOTE: NEARLY ALL DATA WAS OBTAINED FROM "REPORT OF THE COMMISSION FOR THE SURVEY OF EDUCATION AND REGISTRATION OF A.I.A.", VOL. I EVOLUTION AND ACHIEVEMENT, '54

**"MEASURE" INDIANA WITH
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AIA Gold Medal Awarded Mies van der Rohe

Ludwig Mies van der Rohe, FAIA, world famous architect and the retired director of the Department of Architecture and City Planning of the Illinois Institute of Technology, received the 1960 Gold Medal of the American Institute of Architects at the AIA Convention's annual banquet in San Francisco on April 21st.

Mies van der Rohe was born in 1886 in Aachen, Germany, and apprenticed in the office of Peter Behrens in Berlin. Mies' first building, the Kroeller house at The Hague, Holland, which was completed in 1912, caused a sensation in architectural circles for the classic simplicity which still denotes his most recent buildings, including the Seagram Building on New York's Park Avenue.

A first vice president of the German Werkbund, which strove to bring artists and manufacturers together to improve industrial design, Mies became the director of the Bauhaus school of design in Dessau and later Berlin, Germany.

After the Nazis closed the Bauhaus, Mies, who had meanwhile built a reputation as the architect of some of Europe's most modern buildings, emigrated to the United States in 1938 and became the Director of Architecture at the Armour Institute, later the Illinois Institute of Technology, in Chicago.

In addition to the Seagram Building, on which he collaborated with Philip Johnson, he designed a great many of the buildings on the IIT campus, the glass-enclosed apart-

ment houses at 860 Lake Shore Drive in Chicago, and Culinan Hall, an addition to the Houston (Texas) Museum of Fine Arts.

Mies, who learned his first lessons of building from his father, a master mason and the proprietor of a small stone cutting shop, never received a formal architectural education. Nevertheless, his contributions to architectural thought and his influence on young architects quite possibly exceeds that of his building designs. An ardent advocate of simplicity and functional forms, Mies' pronouncement that "less is more" is widely quoted in architectural circles. "Architecture," Mies has said, "is the battleground of the spirit" and must be a true symbol of our time.

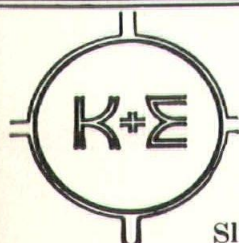
Notice to Applicants, Examination And Re-Examination for Junior Architectural Examination

You are hereby notified that the Junior Architectural Examination will be given Tuesday, Wednesday, Thursday and Friday, June 14, 15, 16 and 17, 1960, at the John Herron Art School, 110 East 16th Street, Indianapolis, Indiana.

Applicants for the written examinations should be on file by May 16, 1960, and must be filed not later than May 31, 1960 (DEADLINE FOR FILING). Applications will be received at the office of the Indiana State Board of Registration for Architects, Room 412, State Library Building, Indianapolis, Indiana.

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Swiss Architect Wins Reynolds Award

Noted Swiss professor of architecture Jean Tschumi was awarded the 1960 Reynolds Memorial Award on April 19th at the AIA Convention in San Francisco. Professor Tschumi was picked for his dramatic design of the "Y" shaped, seven-story Nestle' International Headquarters building, which is located in a park in Vevey, Switzerland, on the shore of Lake Geneva.

The \$25,000 R. S. Reynolds Memorial Award, largest international architectural award, is conferred annually by the AIA on the architect who has designed the foremost contemporary structure in the world whose creative use of aluminum could significantly influence the architecture of our times.

Dr. Walter Gropius, chairman of the AIA Jury, said the Jury unanimously decided, "Jean Tschumi has made

sensitive use of aluminum in a previously little explored manner."

Members of the Jury commented that restraints imposed by the U. S. building codes and insurance requirements, and the ready availability of pre-engineered building components in the U. S., may explain why to date an American structure has yet to receive the Reynolds Award.

Professor Tschumi has taught architecture at the Polytechnic School of the University of Lausanne, Switzerland since 1943. From 1954 to 1958, he served two terms as President of the International Union of Architects, the worldwide organization composed of national architectural associations.

Praising his consistent use of aluminum throughout the Nestle' building, the AIA Jury noted:

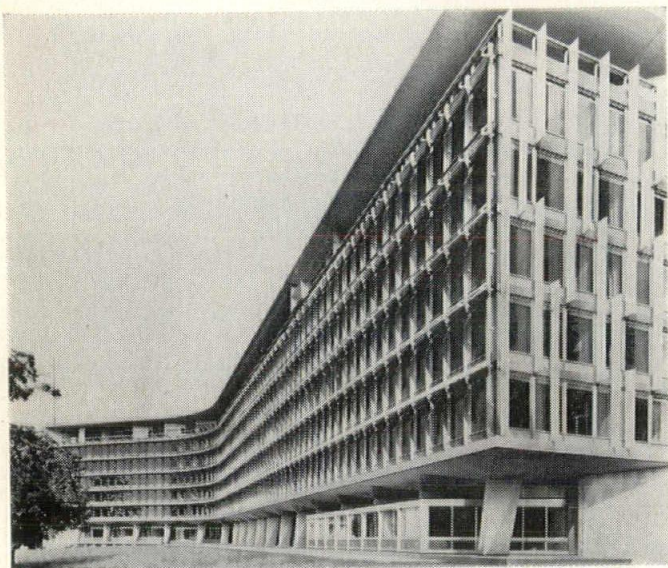
"The novelty of its usage is not of a sensational quality, but one of quietness and serenity which enhances his architectural conception." The Jury further observed that the building is perfectly at home in its park-setting.

Professor Tschumi said aluminum "provides an impression of lightness and works together well with the glass in producing reflections of lake, sky and landscape."

One focal point of the handsome building is a razor-thin tapered aluminum canopy which dramatically soars 33½ feet out from the facade without any visible support. By shaping the building like a "Y," Professor Tschumi sought to give all the offices views toward Lake Geneva or the mountains. As a result of the "Y" shaped floor plan, the outside walls are curved, giving a dash of variety to the large structure.

Delicately designed and restrained vertical baffles and sun shades break up the usual monotony of long rows of windows, yet never hide the impressive view from the offices inside.

The entire ground floor with reception hall has "glass walls" so motorists driving on the main road can look through and see Lake Geneva and the mountains. While the basement and ground floor are constructed from reinforced concrete, the upper floors have a welded steel frame with an aluminum curtain wall.



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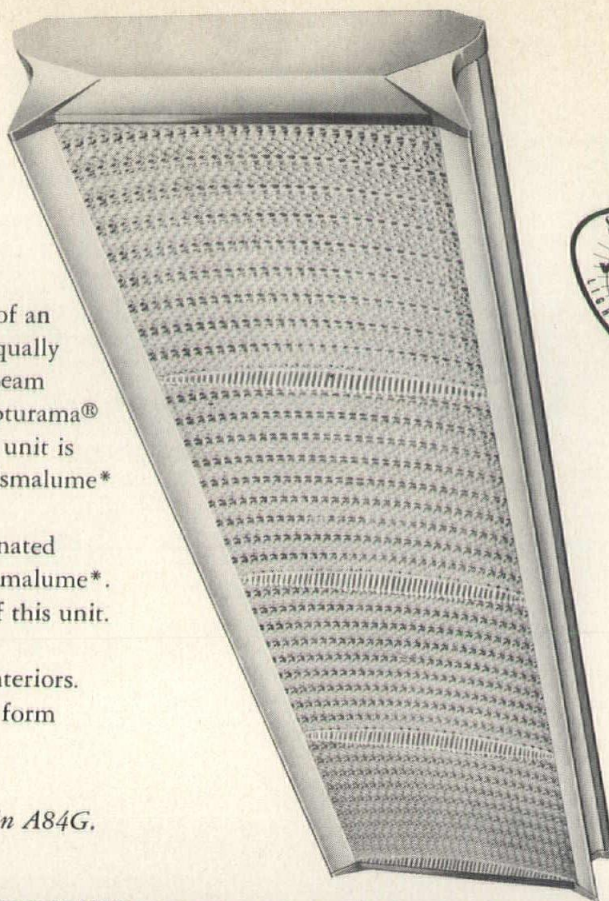


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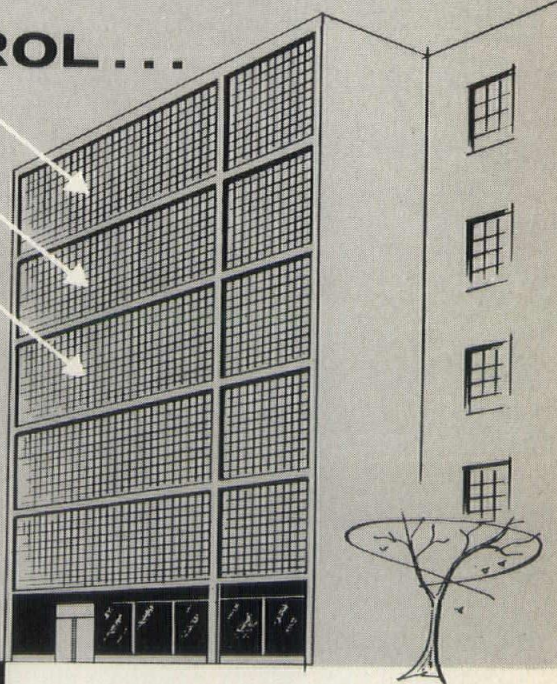
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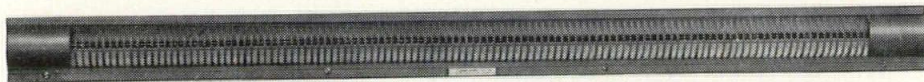
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ISA Convention Opens Thursday

(Continued from Page 8)

At 5:30 P.M. on Friday, convention delegates and their wives will be the guests of Hugh J. Baker & Company of Indianapolis at a cocktail party at the Washington Hotel. At 6:30, the guests will adjourn to the Walnut Room of the Washington for the Annual Banquet. Dress for both affairs this year is optional.

Mr. Charles J. Betts, ISA president, will preside at the Banquet, and music for dining and dancing will be provided by Tommy Moriarity and his orchestra. Corsages for the ladies are being provided by the Unit Masonry Association, Inc.

Speaker for the banquet will be Mr. James Eldridge, public relations director for the Bobbs-Merrill Publishing Company of Indianapolis. Mr. Eldridge is a well-known and widely-traveled lecturer, basing his remarks on the insight gained in twenty years as a student of public affairs. His career includes successful endeavors as newspaperman, lecturer, diplomat, foreign correspondent, writer and publicist.

On Saturday, May 21st, the annual business session of the ISA will start on 9:30 A.M. at the Washington Hotel. The election of new directors and discussions of and reports on the Society's affairs will be made at that time.

At 12:00 Noon, following the business session, chartered busses will leave the Washington Hotel for the Indianapolis

Motor Speedway, where convention delegates and wives will be the guests of the Indiana Chapter, Producers' Council, at the second Saturday of qualification time trials for the Memorial Day 500 Mile Race. The buses will go directly into the Speedway grounds, where a box lunch and refreshments will be served. Guided tours of points of interest in and around the Speedway, including the Race Museum and the Speedway Golf course (scene of this year's 500 Festival Invitational Golf Meet) will be available. A special spectator section has been reserved at the track, and buses will leave the Speedway at 6:30 P.M., returning to the Washington Hotel by 7:00.

Plans for the convention have been under the direction of a joint ISA-PC Committee; program chairman this year is Mr. R. K. Zimmerly of Indianapolis. The Indiana Chapter of Producers' Council is cooperating with the ISA in the convention, and is primarily responsible for making possible the fine program to be presented.

Decorations for the Annual Banquet are being executed by a special committee under the direction of Mr. Raymond Ogle, AIA.

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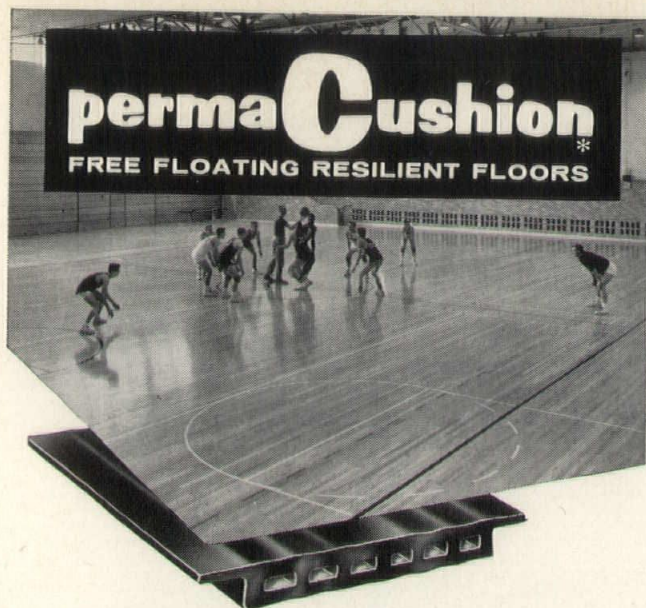
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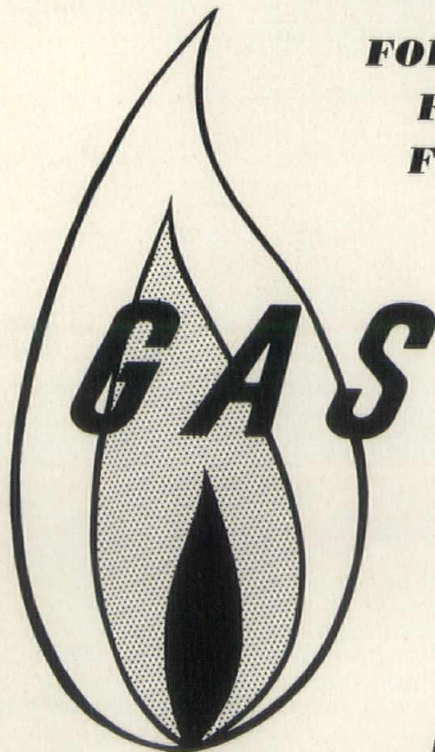
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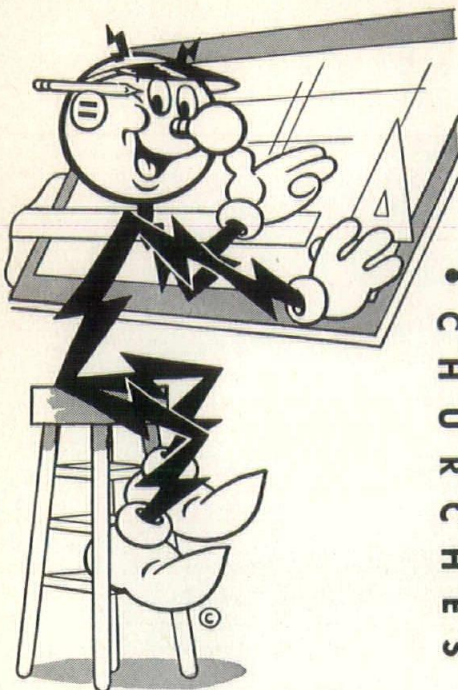
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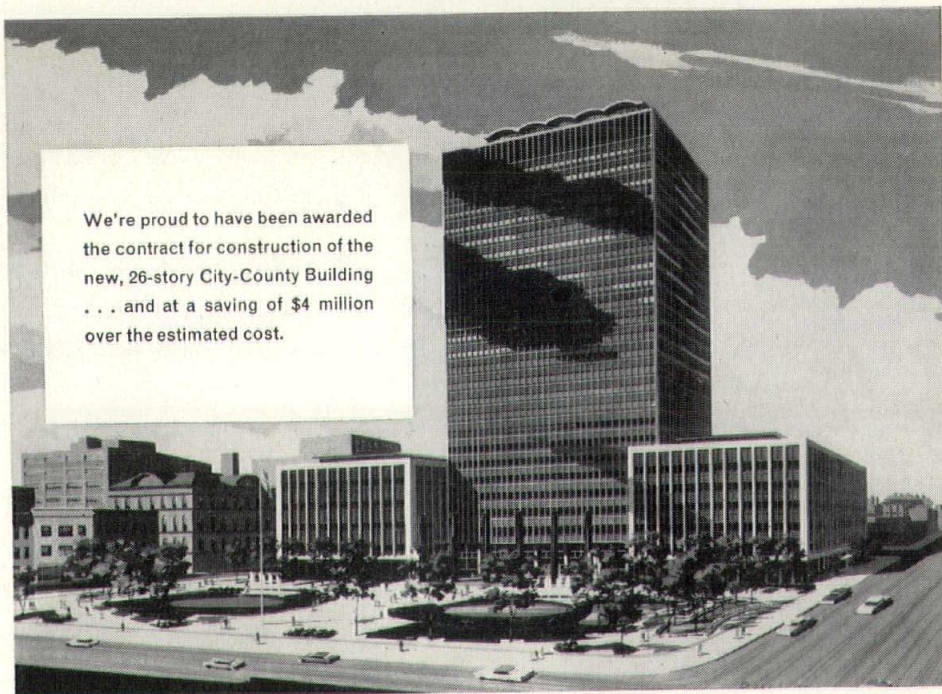
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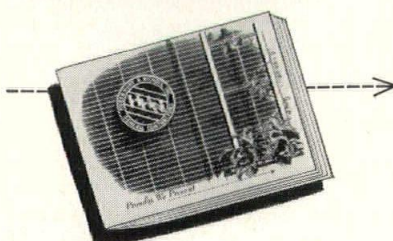
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AIA Reorganization Postponed

The San Francisco Convention delegates failed to ratify the proposed structure reorganization plans drafted by the Committee on Organization. In each vote, the proposed changes were voted back to committee for another year's study.

It was obvious that the overwhelming feeling of the delegates was that the sweeping changes proposed had not been given enough consideration by the Committee and certainly had not been available to the membership in time for sufficient study. In each instance, the convention called for further consideration and for greater liaison between the Institute and the membership.

The reorganization proposals were brought about due to the Institute's present, rather unorganized structure, which is unable to cope intelligently with the growth of the AIA. More and more states are requesting the status of regional districts, and the Board of Directors increases as each state achieves this status. Today the Board is composed of eighteen directors; under the present organization, it would be possible for the Board eventually to have fifty-one directors (including the Washington, D.C. Metropolitan Chapter).

Accordingly, a committee was established under the chairmanship of then First Vice-President Phil Will; the proposed changes constituted that committee's report to the convention.

A motion to adopt the committee's report, approving the changes suggested by the committee and authorizing the Board to proceed with the changes as rapidly as possible, was made by AIA Secretary Carroll at the April 19th business session. During the discussion, a substitute motion to refer the report back to committee for report to next year's convention was made and seconded. After further discussion, the vote was taken on the substitute motion; the voice vote was overwhelming.

The greatest opposition to the reorganization plans came from those states who had already achieved regional status; under the new system, the country would be divided into six districts, and a vice-president elected from each district would form the AIA Board of Directors. Accordingly those state regions would lose their permanent representa-

tion on the Board of Directors.

The second major change in the organization of the AIA concerned membership. It was proposed that Associate Memberships and Student Memberships be made national memberships rather than state or chapter memberships, thereby enlarging the membership of the AIA and shifting a considerable amount of dues from the chapter level to the national level. Also, it was proposed that a new classification of membership be instituted, that of Professional Affiliate. This classification would be open to artists, sculptors, consulting engineers, decorators, etc., again increasing the membership and the income of the AIA.

The first two membership changes, Associate and Student Memberships, were voted down overwhelmingly and absolutely. The convention emphatically believed these two memberships should remain at the chapter level.

The third division, Professional Affiliates, appeared headed for the same action, but Vice-President Will spoke fervently in its behalf, thereby bringing about additional discussion and consideration before voting. One substitute motion was presented and seconded, then a second substitute motion was presented. This second substitute motion would refer the entire question of membership, including the first two classes voted down, back to committee for further study and report to the next convention.

A voice vote was called for, but proved inconclusive. A show of hands was requested by the chair and the affirmative vote counted. Before the negative vote could be counted, a point of order was raised concerning the parliamentary correctness of tabling motions which had already been defeated.

In the midst of the general confusion, a show of hands was requested for the negative vote, a call was made for an explanation of the motion and a recounting of the entire vote. At this opportune moment, and since the hour for adjourning had long past, one delegate loudly moved that the meeting be adjourned. The vote was unanimous.

When the next business session convened on Thursday, April 21st, the motion to refer the membership proposals back to committee was approved, thereby bringing to a conclusion the planned business of the convention.

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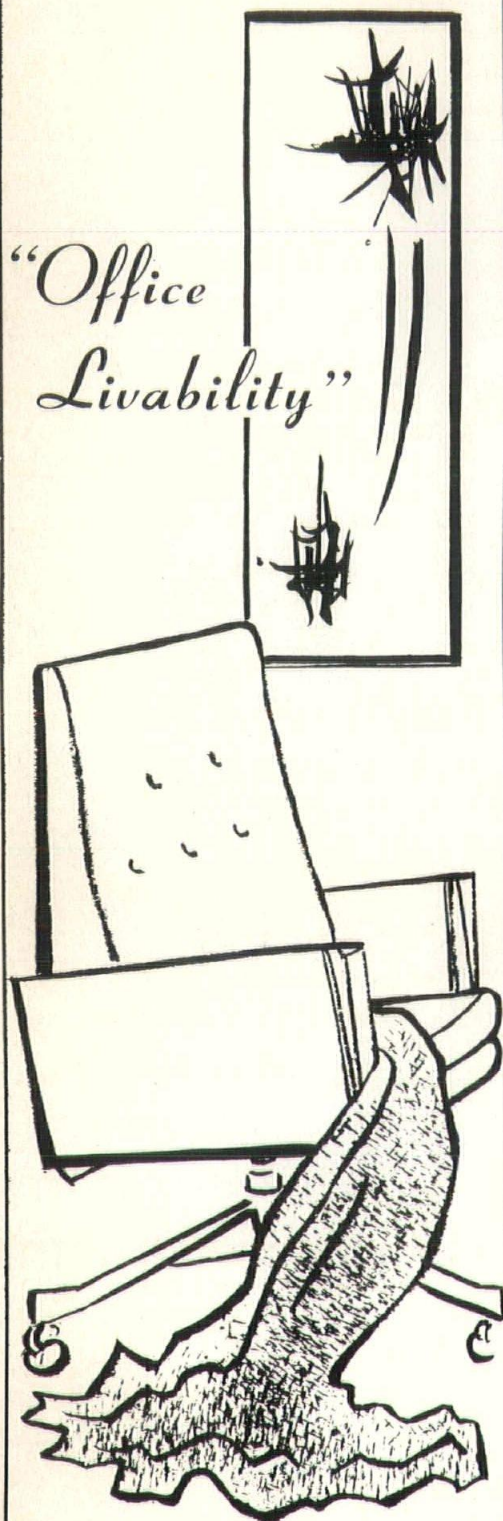
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Fellows Elevated in Impressive Ceremony

Forty-three newly-elected Fellows of the American Institute of Architects were elected to their honorary rank at an impressive ceremony in San Francisco's beautiful City Hall. The ceremonies were held on Tuesday evening, April 19th, during the AIA Convention.

Dignitaries participating in the investiture ceremonies included His Honor Mayor George Christopher of San Francisco, Mr. John Noble Richards, FAIA, President of the American Institute of Architects, Mr. Roy Larson, FAIA, Chancellor, College of Fellows, and Mr. Robert W. McLaughlin, FAIA, Chairman of the Jury of Fellows.

Mr. Walter Scholer, Sr., of Lafayette, was one of the Fellows elevated during the ceremonies. He received the honor in recognition of his outstanding contribution to the profession in the field of public service.

For many years Mr. Scholer has served as architect for Purdue University, and his firm designed Purdue's two best-known structures, the Purdue Music Hall and the Memorial Union Building. The Music Hall, which has the distinction of being slightly larger in seating capacity than Radio City Music Hall in New York, is considered by performers as one of the finest auditoriums in the country.

The California marble and Indiana limestone rotunda of the City Hall was packed to capacity for the ceremonies. The newly-elected Fellows were introduced as they walked down a marble staircase to an elevated platform under the 181 foot high dome. Here they received their Fellowship medallions and were formally presented to the group assembled.

The following Fellows were elevated at this service: George Edward Beatty, Brooklyn, for Public Service; Martin Luther Beck, New Jersey, for Education; John Joseph Carey, Alabama, for Public Service; Mario Joseph Ciampi, Northern California, for Design; Gilbert Harold Coddington, Columbus, for Design; Neil Joseph Convery, New Jersey, for Service to the Institute and Public Service; Charles Francis Davis, Jr., Alabama, for Design; Charles H. Dornbusch, Chicago, for Design; Lathrop Douglass, New York, for Design.

Robert Alexander Eyerman, Northwestern Pennsylvania, for Public Service; O'Neil Ford, San Antonio, for Design; Wayne Solomon Hertzka, Northern California, for Service to the Institute; John Hunter, Jr., Central Pennsylvania, for Design and Public Service; Paul Robinson Hunter, Southern California, for Service to the Institute; Perry Betril Johanson, Washington State, for Service to the Institute and Public Service.

A. Quincy Jones, Southern California, for Design; Ken-

neth Stone Kassler, New Jersey, for the Science of Construction; Bradley Paige, New Mexico, for Service to the Institute and Public Service; Vincent George Kling, Philadelphia, for Design; Louis Bancel LaFarge, New York, for Design; Geoffry Noel Lawford, New York, for Design; Robert Murray Little, Florida South, for Design; Allan Gordon Lorimer, New York, for the Science of Construction; Harold Batchelder McEldowney, Chicago, for Education.

John Wishart McLeod, Washington-Metropolitan, for Design and Service to the Institute; H. Augustus O'Dell, Detroit, for Service to the Institute and Public Service; John Hayes Pritchard, Mississippi, for Service to the Institute; Joseph P. Richardson, Massachusetts, for Design; Lulah Maria Riggs, Santa Barbara, for Design; Burton Romberger, Pasadena, for Service to the Institute; Chester Orville Root, Coast Valleys, for Public Service.



WALTER SCHOLER, SR., FAIA

Robert Watson Schmertz, Pittsburgh, for Education and Public Service; Walter Scholer, Sr., Indiana, for Public Service; Daniel Schwartzman, New York, for Design and Service to the Institute; Solis Seiferth, New Orleans, for Service to the Institute and Public Service; John Walter Severinghaus, New York, for Design; Chloethiel Woodward Smith, Washington-Metropolitan, for Design and Service to the Institute.

Harvey Partridge Smith, San Antonio, for Public Service; Robert Fitch Smith, Florida South, for Public Service; Hugh Asher Stubbins, Jr., Massachusetts, for Design; Robert Law Weed, Florida South, for Design; David Reichard Williams, Dallas, for Design; and Minoru Yamasaki, Detroit, for Design.

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The Passing Seen

By *DON GIBSON*

People often, and perhaps tritely, have referred to San Francisco as the city of all things to all persons. Certainly, with its outstanding cuisine, its colorful Chinatown, its jewel-green parks, its famous Bay with its Golden Gate, its luxurious hotels, even its impassable (that is, impassable to us from the plains) hills, it is a city of never ending delight to the visitor.

Similarly, the recent AIA Convention in San Francisco represented many different opportunities for enjoyment and enlightenment to those delegates who attended. Most definitely, the addresses by Messrs. Oppenheimer, Bell, Parkinson and White were an inspiration to all who heard them, the various architectural tours provided an education in California architecture, the social events enabled old friends to renew discussions curtailed by time and distance. In short, the convention afforded many different opportunities for each to expand his own horizons.

This month, another convention will be available to the architects of Indiana. It, too, will afford many different opportunities for the architects of Indiana. It is the 1960 Annual Convention of the Indiana Society of Architects.

Wherever one tunes in on a conversation between members of this state's construction industry, one is bombarded by expressions of the problem of architectural specifications. One architect feels he has found the perfect solution, but he complains that builders just don't build like they use to. Universally the general contractors complain that specifications contain too much bulk; then suppliers complain that specifications are too open or too restrictive; the sub-contractors complain they are not considered in the specifications.

Clearly, the specification seminar can be of great merit to the vast majority of ISA members, if indeed not at all.

Of course, the discussion on the ethics of the architectural profession is an old saw which would be of little interest to any architect; judging from the quantity of phone calls and correspondence which crosses this writer's desk, however, it's an old saw which needs a little more application.

Certainly the Annual Banquet and Dance will provide a certain amount of entertainment for all concerned; especially since it is preceded by a free cocktail party.

And what the business session might lack in excitement, the 500 Mile Speedway Qualification Trials should supply.

Every effort has been put forth by the persons responsible for this year's convention, and every means available has been employed to keep the cost to the affordable minimum.

Now it's up to the members to decide if it's worth their while to attend. For their sake, your writer hopes they decide it is worth while. It can be, and it will be, a wonderful opportunity for expanding horizons.

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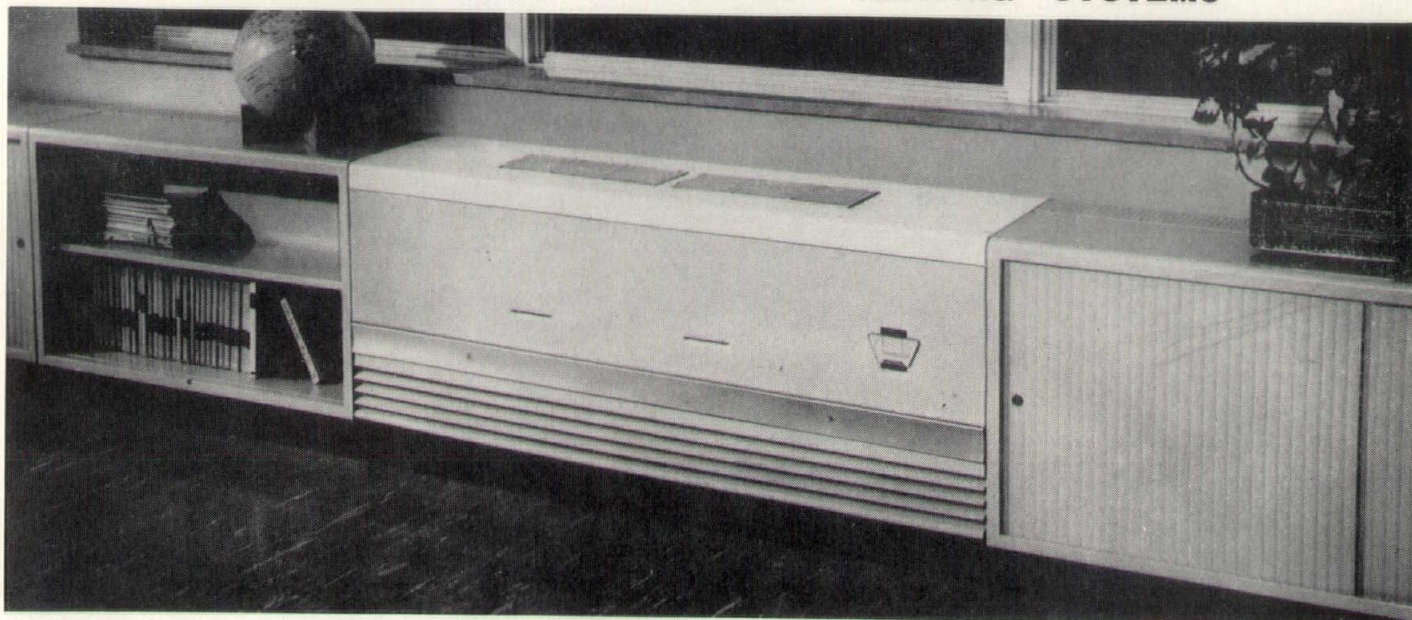
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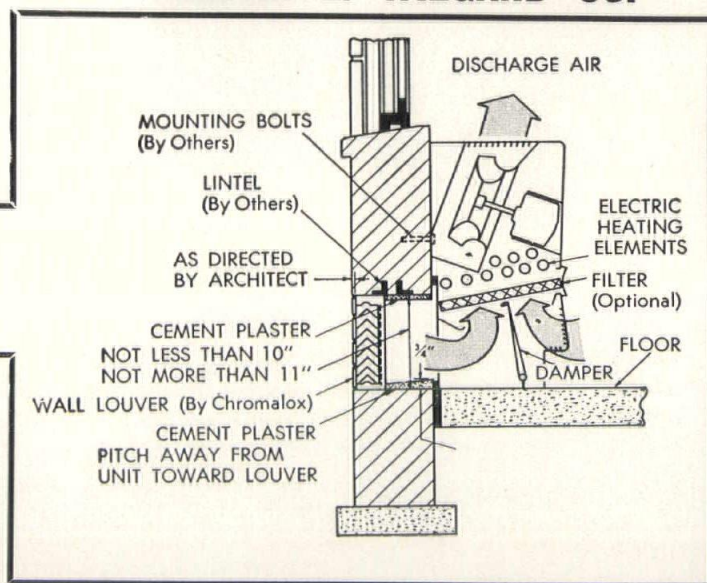


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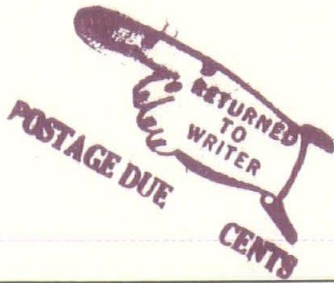
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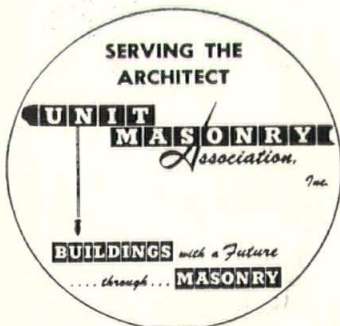
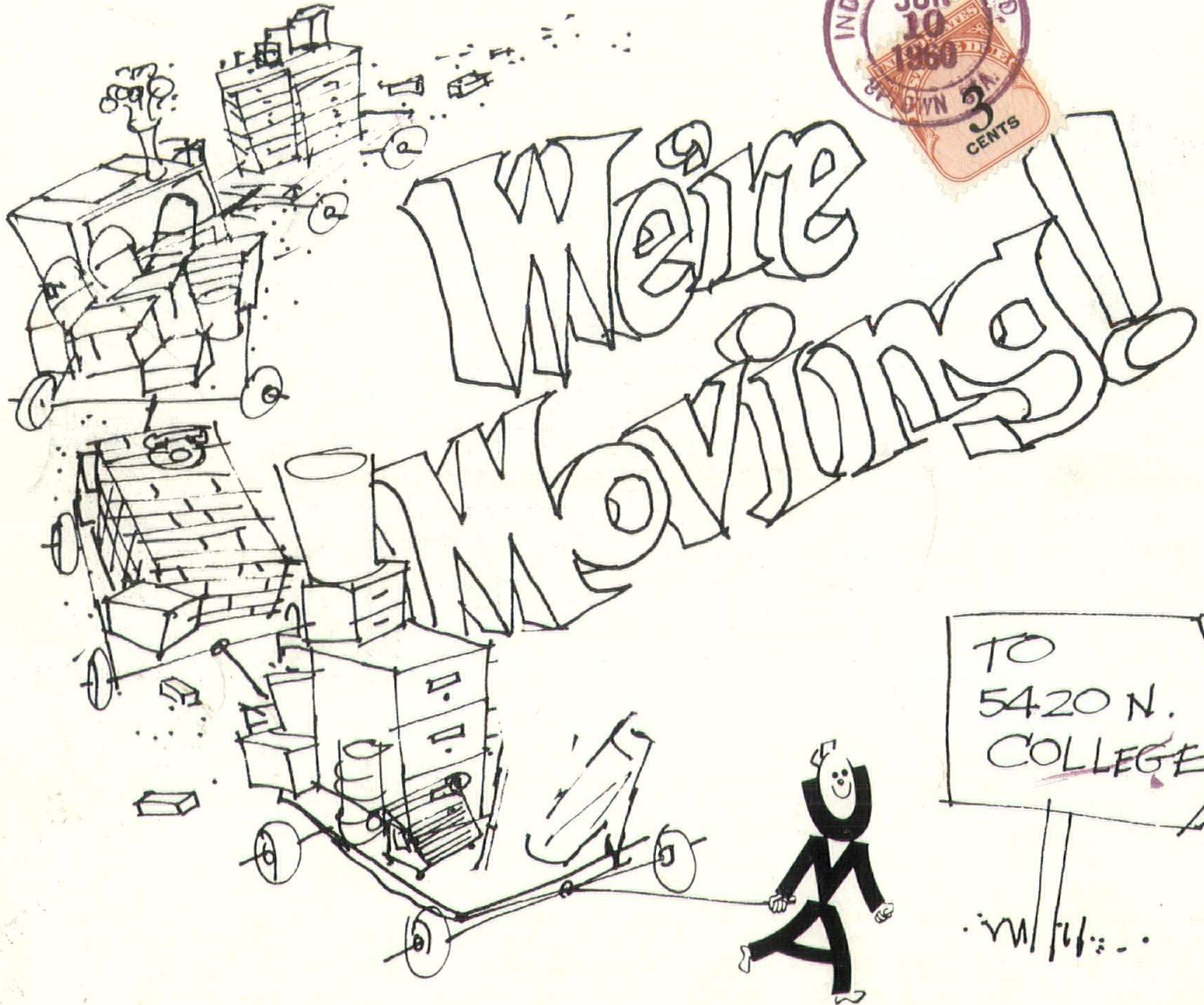
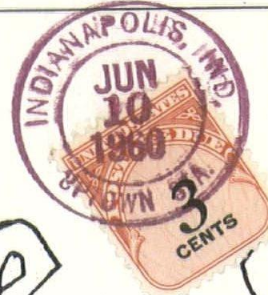
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