



# MISSOURI ARCHITECT

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## OFFICERS

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William M. Conrad  
1964-1968  
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Louis H. Geis  
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Arthur R. Jablonsky  
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Jefferson City, Mo. 65101

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John E. Burruss, Jr.  
Hondren & Andrae  
Central Trust Building  
Jefferson City, Mo. 65101



## President's Letter

To All Members:

We enter a new year with another most interesting leaflet inserted in our official journal. We proudly commend it for your enjoyment.

Additional copies of this leaflet and our other two are available while they last, from our new state office: 121 East High St., Jefferson City, Mo. 65101.

This is the office of our new executive director, Wendell Locke. When you visit Jefferson City, call on Wendell. You will like him. We are fortunate to have Mr. Locke with us.

The officers and directors join with me in wishing all of you a fine New Year.

Sincerely,

*Edwin C. Waters*

Edwin C. Waters  
President

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## Summary of Board Meeting, December 16

**CALL TO ORDER:** The meeting was called to order at 11 a.m. by Edwin Waters, President.

**MINUTES:** Minutes of the previous meeting were approved as disseminated to officers and directors by mail.

**BUDGET, 1957:** Treasurer Buller presented the proposed 1967 Budget. After considerable discussion and one change from the original proposal, the 1967 Budget was approved.

1967 Budget is based upon 600 paid members, 1967.

**Membership:** Membership Chairman Darrough, reported membership status:

Mr. Darrough called upon new executive director Wendell Locke to present two membership promotion letters. This was done and after discussion these two letters were approved for mailing after January 1, 1967:

- 1) Letter to non-member registered architects in Missouri.
- 2) Letter to 1966 members who have not paid 1967 dues.

This action was by motion duly made, seconded and carried.

**MISSOURI ARCHITECT:** Editor Pallardy reported that the January, 1967 issue will contain a special section on old and recent architecture prepared by the Community Planning Committee, Lou Geis, Chairman, and will be mailed on schedule about January 15, 1966.

**LEGISLATION:** Legislation Chairman Wilson reported that legislative work for the 1967 General Assembly was under control. He reported that the State Ad Hoc Committee with the counsel of Cullen Coil, would handle two important bills:

- 1) Statute of Limitations for Design and Construction Liability.
- 2) Registration Law Revisions.

M.A.R.A. with assistance of John

Burruss will handle a bill that will exempt architects from paying municipal occupation taxes.

Mr. Coil and Mr. Burruss discussed all three legislative proposals. John D. Sweeney, chairman, State Registration Board, led a discussion on proposed revisions of the registration law.

All three proposed bills were endorsed again by the board of directors with the understanding that full cooperation will be given by officers, directors and members in informing State Senators and State Representatives on these three bills prior to January 4, 1967 and in asking for their support.

**EXEMPTION FROM TAXES:** Counsel Burruss was requested to prepare proper documents that will put M.A.R.A. in I.R.S. classification 990. This was by motion duly made, seconded and carried.

**ETHICS:** The Ethics Committee was requested to prepare a proposed M.A.R.A. policy statement relating to architects serving on public boards and commissions in which their services would be particularly valuable and yet which make the architect vulnerable to public criticism due to conflict of interest.

**LAST MEETING FOR PAUL DOLL:** Paul Doll spoke with appreciation meeting as M.A.R.A.'s executive director, a position he had held since January 1, 1961, a period of six years. President Waters expressed gratefulness to Mr. Doll for a job well done and extended best wishes to him and his family for continued success.

**NEXT BOARD MEETING:** The next meeting of the M.A.R.A. Board of Directors will be held: Friday, February 24, 1967, 11 a.m. to 3 p.m., Ramada Inn, Jefferson City, Mo.

At this meeting Wendell Locke





The M.A.R.A. board meeting was attended by these officers, directors, committee chairmen and guests, from left, back, around table: John D. Sweeney, St. Louis, chairman, State Registration Board and Past President of M.A.R.A.; M. C. Johansen, St. Louis, representing Walter Kromm; Maxwell T. Sandford, Kansas City; Roy J. Pallardy, Jefferson City; James T. Darrough, Columbia;

Donald D. Buller, Sedalia, William M. Conrad, Kansas City; Paul N. Doll, Jefferson City; Edwin C. Waters, Springfield, president; John E. Burruss, Jr., Jefferson City; Kenneth Coombs, Kansas City; Richard L. Nichols, Springfield; Wendell Locke, Jefferson City; Peter Keleti, Kansas City; Louis H. Geis, Kansas City; Donald F. Wilson, Jr., St. Louis, and William D. Peckham, St. Louis.

will be in office as executive director. Mr. Locke stated that the transfer of records from 210 Monroe Street to his office, the printing of new stationery, and other transition work will proceed smoothly about January 1, 1967.

**ANNUAL MEETING:** President Waters stated that plans are moving ahead for the 1967 Annual Meeting under the leadership of Gary Bourgeois and Bob Marshall, co-chairmen of the Annual Meeting Committee.

**APPRECIATION:** President Waters expressed appreciation for the 18-man attendance today. He said this meeting also has the greatest percent of directors and officers in recent history, there being but one director, Art Jablonsky, not able to

be present or represented.

**ADJOURNMENT:** There being no further business to transact, the meeting was adjourned at 3:30 p.m. with everyone exchanging best wishes to each other for a Merry Christmas and Happy New Year.

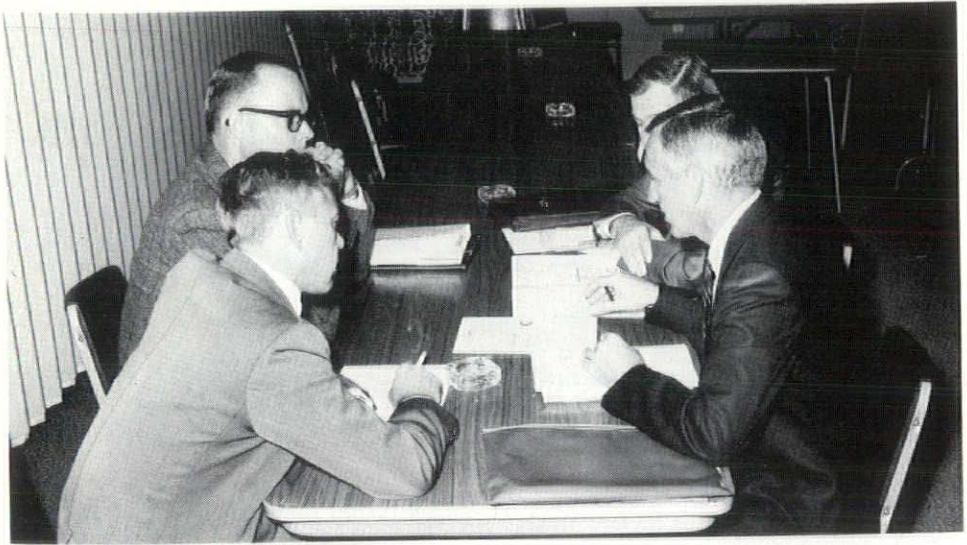
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Cover photo is supplied to M.A.R.A. by Gerald Massie, Industrial Development Division, State of Missouri, for which we are most grateful.

#### SKYLINES KANSAS CITY

SKYLINES, published by A.I.A., Kansas City, is an attractive newsy publication. The October-November, 1966, issue is one of the best.

M.A.R.A. extends congratulations to all forces responsible for this outstanding publication.



In Executive Session are, from left, M. T. Sanford, Jr., Kansas City, Immediate Past President; E. C. Waters III, Springfield, President; Paul N. Doll, Jefferson City, Executive

Director; and Wendell Locke, Jefferson City, incoming Executive Director. Meeting was to sign contract with Locke to join MARA January 1.



Insurance and Fees Committee. From front, left, clockwise are R. H. Goodin, Springfield; A. R. Jablonsky,

Poplar Bluff, Acting Chairman; N. L. Stinson, St. Louis; and R. L. Nichols, Springfield.



**COMMITTEE REPORTS**  
**1966 M.A.R.A. WORKSHOP**  
**COMMUNITY PLANNING**

This Committee has met several times this year, with approximately 50% attendance.

Since the article "Community Blight or Community Beauty" appeared in the Missouri Architect, we have concentrated on the passage and follow-up of Senate Bill #4, which was passed and became law, to set up State and Regional Planning and Community Development Commissions.

We have kept in close contact with Philip Maher, who is head of the program for the State. He has informed us that he will let us know as soon as the regions are set up so that we will know what counties are included and the contact for each region. As yet, we have not received the information but when we do we plan to contact each region requesting that at least one architect be assigned to each Regional Commission.

Our concern is alerted in that all information relative to the above bill being in the process of writing and passage has been noted by the Chairman of this committee only because he is active in the Missouri Planning Association, where this information was revealed. Had this not happened, perhaps we would not have known about the bill until later. Some means should be available to alert us to pending legislation.

One member of this board, R. T. Stokes Jr., has been active in his own community in being instrumental in the setting up of a national competition for a new Civic Plaza for Kirkwood. All members of this committee should take note to grasp the opportunity of service in regard to Community Planning in their own communities as well as in the State. Respectfully submitted:

Community Planning Committee  
E. E. Butler  
George Kassabaum  
R. T. Stokes Jr.  
R. L. Voskamp  
L. H. Geis, Chairman

**INSURANCE AND FEES**

This Committee was charged with its primary emphasis on a new fee schedule following some prior work done by the AIA and MARA chapters as previously discussed during Architects Day in Kansas City this past spring.

Since that time the Kansas City Chapter had prepared a format for a new fees schedule which, to date, has not been officially adopted by its Executive Committee, but merely is a beginning prepared by the Office Practice Committee of the Chapter.

This was circulated to the St. Louis and Springfield Chapters with the intention that it might be reviewed and suggestions made thereon.

We have had no official reply from Springfield to date, but Mr. Stinson of this Committee advised that the St. Louis Chapter has it now under study, has prepared a schedule of its own, and should have the results of their work ready for publication within the various committees within 30 days.

This Committee, then, awaits the results of the St. Louis Chapter's work and in the interim will contact the Springfield Chapter and request of the balance of the Committee, specifically Mr. Jablonsky, a review of the Kansas City Chapter's schedule to date. It is our intent to keep MARA advised of all action on this to eliminate, as much as possible, duplicity in this work and to promote its incorporation of a fee schedule that is reasonable and acceptable for



**Natural Beautification Committee.** From left are D. D. Buller, Sedalia; W. D. Peckham, St. Louis;

Thias, St. Louis, Chairman; J. T. Darrough, Columbia; and Kenneth Coombs, Kansas City.



**By-Laws Committee.** From left are W. M. Conrad, Kansas City, Chair-

man; P. E. Hyatt, Kennett; and E. M. Allgeier, Joplin.



the entire state.

Respectfully submitted:

Insurance and Fees Committee

R. H. Goodin

A. R. Jablonsky

R. J. Koppes

N. L. Stinson

H. D. Duncan, Chairman

#### MEMBERSHIP

Chairman Darrough reported on several ideas to promote membership as follows:

1. Increase membership on Membership Committee so that all areas of the state are represented and solicitation can be on a personal basis.

2. Mailing of an invitation to join to all non-members, itemizing advantages of joining M.A.R.A.

It was also expressed that a breakdown on types of members might be useful in determining the type of approach to use in soliciting new members. Suggested categories were: Those who have their own practice, and those who work for others; in-state and out-of-state members.

It was also suggested that we determine the percentage of firms represented by MARA, counting all firms which have either employer or employee as a member.

Respectfully submitted:

Membership Committee

A. G. Corrubio

Gene Lefebvre

R. L. Nichols

J. T. Darrough, Chairman

#### NATURAL BEAUTIFICATION

The AIA film "No Time For Ugliness" was shown and presented by the Committee at the luncheon. Most present had seen the film and all enjoyed its showing as an excellent film.

The Committee discussed preservation of natural beauty. The relationship to other beauty groups, Lady Bird, AIA, Open Space, St. Louis

and Kansas City Commissions. Also discussed was the development along Missouri Highways, communication with the public, overlapping of activity with the community planning committee and development of a brochure to be released around March, 1967. Other brochures previously published were discussed.

Chairman Thias pointed out that the film "No Time For Ugliness" cost about \$40,000.00 to develop and subsequently made a request of \$1,200.00 for the printing of a brochure size 8½x11½, 32 pages, numbering 2,500 copies. Several have commented that there should be more copies for a wider distribution. The brochure would be mailed to 1,450 architects who have Missouri registration. It would also be sent to public officials, educators and businessmen.

President Waters indicated that the decision on the budget for the project would be made in December, 1966. The Committee was requested to proceed with the work with the possibility that the material would be part of the Missouri Architect if not released as a separate publication.

Respectfully submitted:

Natural Beautification Committee

Donald Buller

W. A. Cornwell

F. E. Dormeyer, Jr.

G. M. Drew

King Graf

Richard Ramsey

Paul Rich

Dan Sandford Jr.

E. J. Thias, Chairman

#### STATE ARCHITECTURAL SCHOOL

In surveying the efforts toward a State Architectural School, we confirmed that further efforts in the Springfield area to expand the current program to a complete accredited one are not feasible at the present. With Chancellor Schwada con-

tinuing Dr. Ellis' tradition at Columbia, it seems that our best hopes continue to concentrate on Kansas City. The hope was expressed that regardless of where the starting point is made, the overall effort of architectural education should eventually expand through extension programs and other suitable means.

Subsequent to the workshop, we have asked Chancellor Whaley of U.M.K.C. in accordance with instruction received at the workshop to be featured luncheon speaker on April 29, at the annual MARA meeting in 1967.

Respectfully submitted:  
State Architectural School  
Richard Stahl  
Roland Bockhorst  
Hurst John  
G. P. Keleti, Chairman

ARTICLE VII, Section 7 — "Replacement of Director for Non-Performance"

1. Add new section on this subject.  
ARTICLE XVII, Section 1—Deposits

1. Change first line to read, "The Treasurer shall be responsible for depositing all" . . .

ARTICLE XVII, Section 2 — Disbursements, How Made

1. In the third line, omit words, "President" and "Secretary" and substitute "Executive Director" and "Treasurer".

Respectfully submitted:  
1966 By-Laws Committee  
William M. Conrad, Chairman  
E. M. Allgeier  
P. E. Hyatt  
J. D. Sweeney

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## BY-LAWS

The following items were discussed for possible recommended By-Law changes:

ARTICLE V, Section 2 — Affiliate Membership

1. Statement of voting rights
2. Statement of dues of affiliate membership

ARTICLE VI, Section 3 — Certain Members Ineligible as Officers or Members of Board of Directors

1. In last line, omit "elected"; substitute "nominated by the President and approved by a majority vote of the Board of Directors".

ARTICLE VI, Section 10 — Executive Secretary

1. In section title and body of section omit "Secretary". Substitute "Director".

ARTICLE VII, Section 6 — Removal from Office

1. In third line after work "membership", add "in attendance at any regular or special meeting."

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## SPRINGFIELD A.I.A. CIVIC LEADER

Springfield architects commend the Planning Commission for its authorization to the city planning staff to proceed with studies for the "downtown loop" street system, Richard Stahl, president of the local chapter, American Institute of Architects, said today.

Stahl said his view is shared by Ed Waters, president of the Missouri Association of Architects, and others with whom he has talked. The loop system is "of tremendous importance" in the implementation of a pedestrian shopping mall downtown, he added:

The "loop" involves Olive and Water streets north of the Square, McDaniel and Pershing south of the Square, as one-way streets, connecting with Jefferson and Campbell avenues, already specified for one-way traffic when signalization is completed.





Legislative Committee. From left are R. J. Koppes, St. Louis; D. L. Wilson, Jr., St. Louis, Chairman; R. J. Pallardy, Jefferson City; L. H.

Geis, Kansas City; Angelo Corrubia, St. Louis; and, standing in background, E. C. Waters III, Springfield, President.

#### WASHINGTON U. RECEIVES GRANT

A \$200,000 grant from the St. Louis Regional Planning and Construction Foundation, has been awarded to Washington University's School of Architecture, Chancellor Thomas H. Eliot announced Friday.

The money is earmarked for the school's Urban Design Program to aid a construction project started there two years ago.

In line with the donation, Chancellor Eliot appointed architectural professor Roger Montgomery, 41, of 7120 Waterman ave., University City, to the program's top professional chair.

Since the granting foundation was established over 25 years ago by the Greensfelder family, Chancellor Eliot said that the top chair would be named the "Albert P. Greensfelder Professorship of Urban Design."

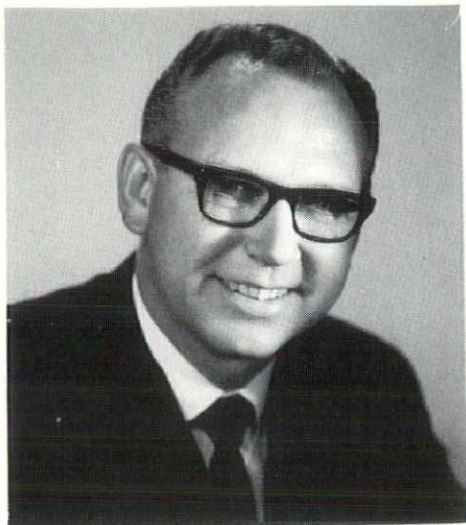
Professor Montgomery joined the university's faculty in 1937. He is a consultant to the Urban Renewal Administration of the Federal Housing and Home Finance Agency.

#### ATTORNEY GENERAL RULES ON RECIPROCITY

Norman H. Anderson, State Attorney General has handed down an official opinion dated November 1, 1966, stating:

"A resident of Missouri or of any other state may apply to the State Board of Architects and Professional Engineers, for architectural registration upon satisfactory proof that he is a duly registered and qualified architect in good standing in any other state, provided that said state has similar registration requirements and that said state recognizes Missouri's registrations in a similar manner."

## MILLER PRESIDENT A.I.A.—K.C.



J. David Miller has been elected president of the Kansas City Chapter of the American Institute of Architects for 1967. He succeeds Herbert

E. Duncan, Jr., in the post.

A native of Kansas City, Miller is a partner in the Overland Park firm of Hollis & Miller Architects established in 1940. Miller, his wife Diana and two boys Mark and Bret live at 4840 West 75th Street, Prairie Village, Kansas.

Other new officers elected: Vice President, William Conrad, William M. Conrad, Architects; Secretary, Joe Oshiver, Joseph J. Oshiver Architect; Treasurer, Joseph B. Shaughnessy, Jr., of the firm Shaughnessy, Bower, and Grimaldi.

Directors of the A.I.A. Chapter for 1967 will be: Clarence F. Watson of McCall & Watson Architects; C. James Balderson, Lund & Balderson Architects; and Roger F. Blessing, Jr., of the firm of Horner & Blessing.

Installation of the new A.I.A. Chapter officers and directors will be at 6 o'clock Wednesday, January 19, at the Carriage Club. Seattle architect Robert F. Durham, president elect of the American Institute of Architects will be the guest speaker.

# *14th Annual M. A. R. A. Meeting*

## *April 28-29, 1967*

### *Kentwood Arms Motor Hotel*

### *Springfield, Missouri*



**PRESIDENT WRITES MAYORS,  
COUNCILS RE: OCCUPATION  
TAX ASSESSMENTS**

In accordance with MARA's goal to eliminate unfair assessment of municipal occupation taxes against architectural firms, President E. C. Waters has mailed the following let-

ter to all Missouri cities of 5,000 or greater population. The letter precedes MARA activity in the current Missouri General Assembly to amend the present law, thereby granting architects the same professional exemption under which members of other professions now operate.

**To: Mayors and Members of City Councils  
in Missouri Municipalities.**

**Subject: Municipal Occupation Taxes**

This advises that this association supports the widely-accepted concept that architecture is a learned profession along with medicine, law, the ministry, teaching and engineering.

These learned professions are based upon higher education, are creative in nature, and are founded upon strict principles of professional and personal conduct.

Furthermore, the practice of architecture is not conducted on a day to day basis in the usual sense of retail, wholesale and service businesses.

For these reasons, this association urgently opposes the assessment of municipal occupation taxes against architectural firms. This association respectfully requests the cooperation of municipal government in this respect.

Sincerely,

*Edwin C. Waters*

**Edwin C. Waters  
President**

MISSOURI ASSOCIATION OF  
REGISTERED ARCHITECTS

## PROPOSED STATUTE OF LIMITATIONS

1. Any action to recover damages or to obtain other relief arising out of a defective or unsafe condition of any improvement to real property, including any action for contribution or indemnity for damages sustained on account of such, shall be commenced within two years after any such cause of action accrues against any person whose sole connection with such improvement was performing or furnishing, in whole or in part, any one or more of the following items and services for any such improvement: the design, plan, planning, construction, or supervision or observation of construction; provided, however, that in no event shall any such action be commenced against any such person after the expiration of six years from the date on which any such improvement to real property was substantially completed; and provided further, that neither limitation stated above shall apply to any such action against any such person who, with intent to deceive, fraudulently conceals any defect or deficiency in the design, plan, planning, construction, or supervision or observation of construction of or for

any such improvement to real property, if such defect or deficiency so concealed proximately caused the defective or unsafe condition for which any such action is brought.

2. As used in this law:

(a) The word "person" shall include an individual, corporation, partnership, joint venture, association, organization, or other entity.

(b) The words "substantially completed" shall mean completed to that degree which would enable the owner reasonably to make use of the improvement for the purpose or purpose or purposes for which it was intended.

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**Editor's Note:** This proposed bill was prepared by Cullen Coil, Counsel, State Ad Hoc Legislative Committee. M.A.R.A.'s representative on this state-wide committee is Roy J. Pallardy, vice president. Other members of the committee represent engineering and contractor's groups. The bill will be introduced in the Senate early in the 1967 Legislative Session. All architects are requested to ask their state Senator and State Representative to support this urgent legislation.



Winco Ventilator Co.

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NOT JUST A WINDOW... A WINCO

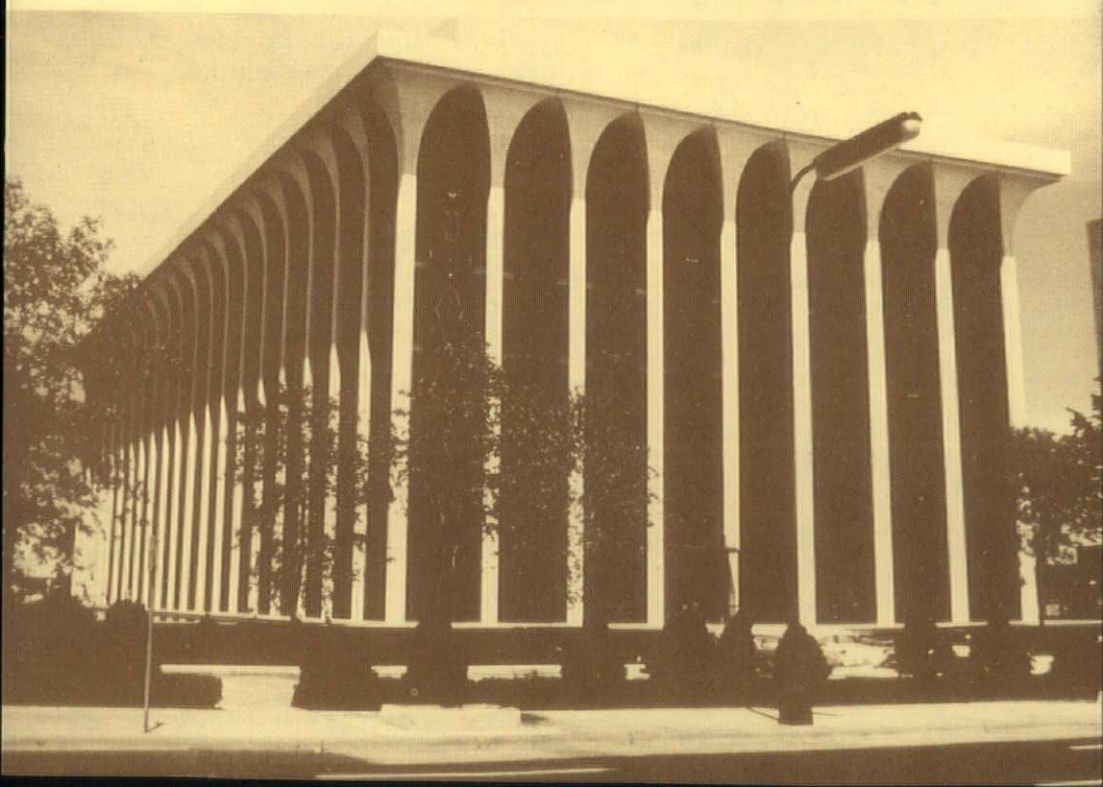
C. E. GARRISON  
ENGINEERED SALES REPRESENTATIVE

EVERGREEN 1-8033  
533 BITTNER ST.  
ST. LOUIS 15, MO.





OLD  
ARCHITECTURE  
NEW



## FOREWORD

M.A.R.A. is grateful to several sources for material contained in this leaflet:

To Paul N. Doll, M.A.R.A.'s executive director, 1959-1966, for assembling these most interesting photographs.

To W. E. Kunze, Portland Cement Association, Chicago, for supplying to Mr. Doll most of these photographs.

To Louis H. Geis, architect, Kansas City, for writing the narrative.

We acknowledge with sincere appreciation these contributions to the architectural profession and to this association.

The Board of Directors  
Missouri Association of  
Registered Architects  
Jefferson City, Missouri 65101

December, 1966



## ARCHITECTURE — OLD AND NEW

The similarities of the following examples of the use of structural shapes for buildings, roads, bridges and other structures may at first seem to indicate that nothing really new is ever offered by the designers of modern structures. This may be true in its basic concept; just as true, perhaps, as saying that a circle is a wheel, a gear, or hoop or an arena.

Structural shapes and circumferential enclosures have been designed and built for many centuries, ever since man built above the surface of the earth for his necessities and conveniences.

The first structural shape other than the post and beam to be used by man was the arch or vault which opened up great possibilities of larger spans and relieved the continuity of vertical and horizontal lineal aspects of buildings. After this time in Italian architecture, the use of "adornment" received a great amount of importance to buildings. The Romansque period of architecture repeated the arch in many forms, usually worked into the structures as repetitive structural systems. Many variations of heights, flatness, span and key such as the Gothic arch became symbols of periods of architecture.

The Byzantine influence evolved into a very ornate and interesting structural concept. The Byzantine dome, for instance, in its perfect fulfillment, was supported on four massive piers, set at the angles of a square — the piers being connected by four round arches forming a square foundation

for the dome. The transition from the square of the supporting wall to the circle of the dome was made by means of pendentives, or triangular sections of a sphere, spreading upward from a point at the intersection of the walls of the square to a quarter circle at the base of the dome. The dome itself was of much lighter character, the upper portion being extremely thin.

Because of the discovery of glass and certain metal oxides, this era of architecture took on a "busy" look of artistry. Almost every available space including the facades, column bases and caps, arcades and cornices were decorated by the artist or craftsmen of their day.

A similarity of progression in structural shapes took place in Greece about the same time as in Italy and the progress of each has remarkable resemblance, due largely to the similar availability of materials and knowledge of them. The Hellenic temples followed early precedent only superficially as a result of the continual evolution of the Orders, a process which did not approach finality until late in the second century. Basically, all of these temples were similar in the use of the column (post) and entablature (beam), with gabled or domed roof lines.

The architect of today cannot deviate much from these basic components as we have only today what was had in early times, the line and the circle with their many variations. But because of the multifold availability of materials and techniques which have evolved through the centuries, today's architect can achieve designs which would have been impossible in earlier days.

The Greeks and Romans had more of an in-



dignatious architecture than we do today. Today, if stone is not available in a certain locality, it is shipped in together with the structural steel shapes, imported woods and all other structural or decorative materials.

Although we have the same geometric shapes to use in designs today as yesterday — the circle, triangle and square with their variations from ovals to hexagons, we have the flexibility of choice of materials and processes which were not available in the time of the Greeks and Romans. Even the 19th century suspension bridge herein shown varies very little from the newer 20th century bridge in structural concept.

It would be interesting to know what our earlier builders could have done with pre-stressed concrete and steel even with their lack of structural analysis. We still use the small masonry unit, although not always as bearing walls. We still use the post and beam and only recently have we suspended loads from above. Long spans are not a great problem, but heating, ventilating, cooling and acoustical requirements require more talent and funds than our forebearers could extend.

Today we have "cleaned up" our buildings by the elimination of most all "adornment" — we call them simple, clean cut expressions of our architecture. But as of old we are again gradually "embellishing" some of our buildings with "decorative" emphasis which has no bearings on structures, but in some instances adds a warmth and romanticism which replaces some of the "cold," uninteresting buildings of recent years.



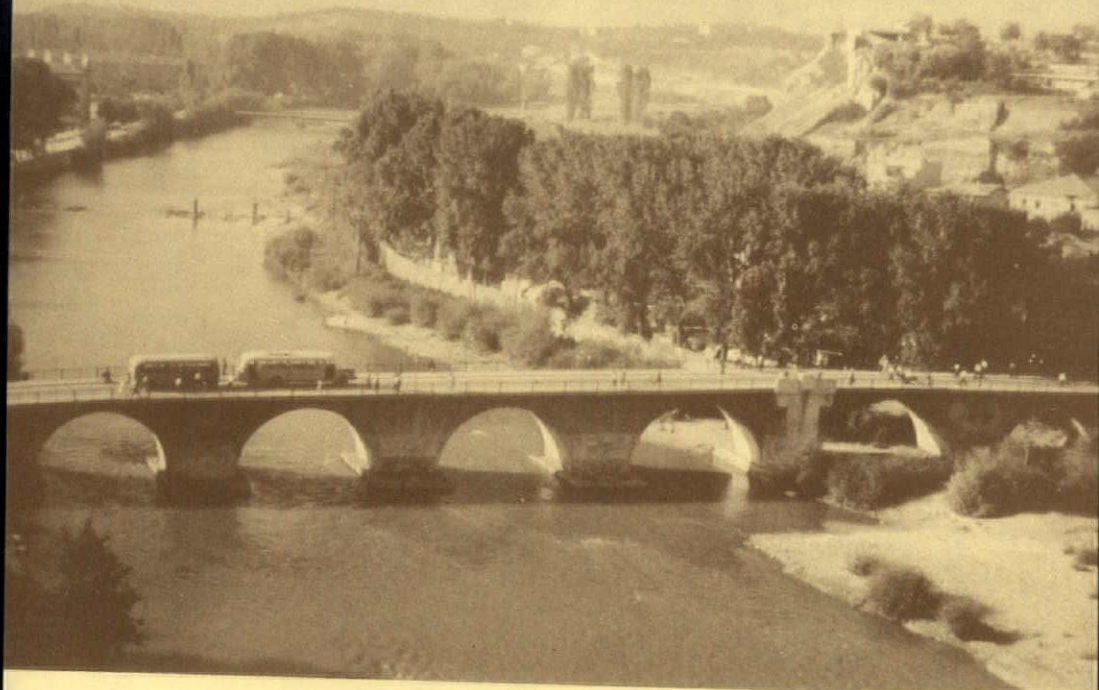


ST. PETER'S CATHEDRAL, ROME  
1450

MISSOURI CAPITOL BUILDING  
1921

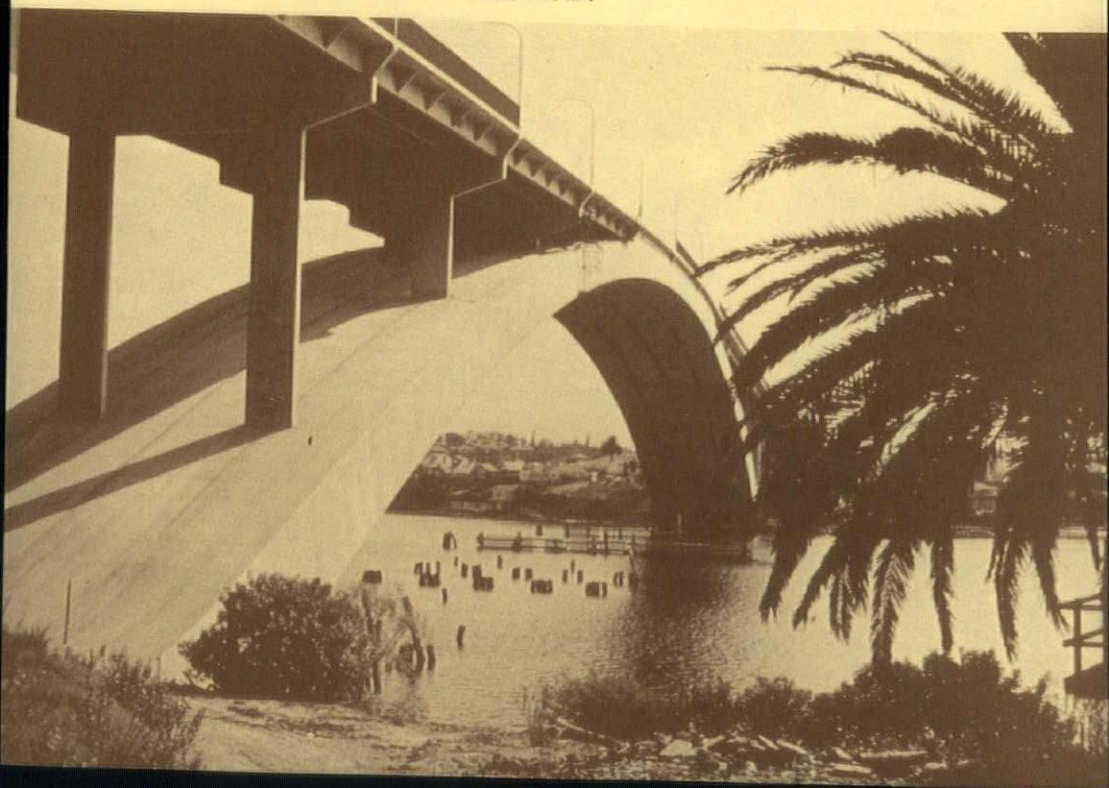


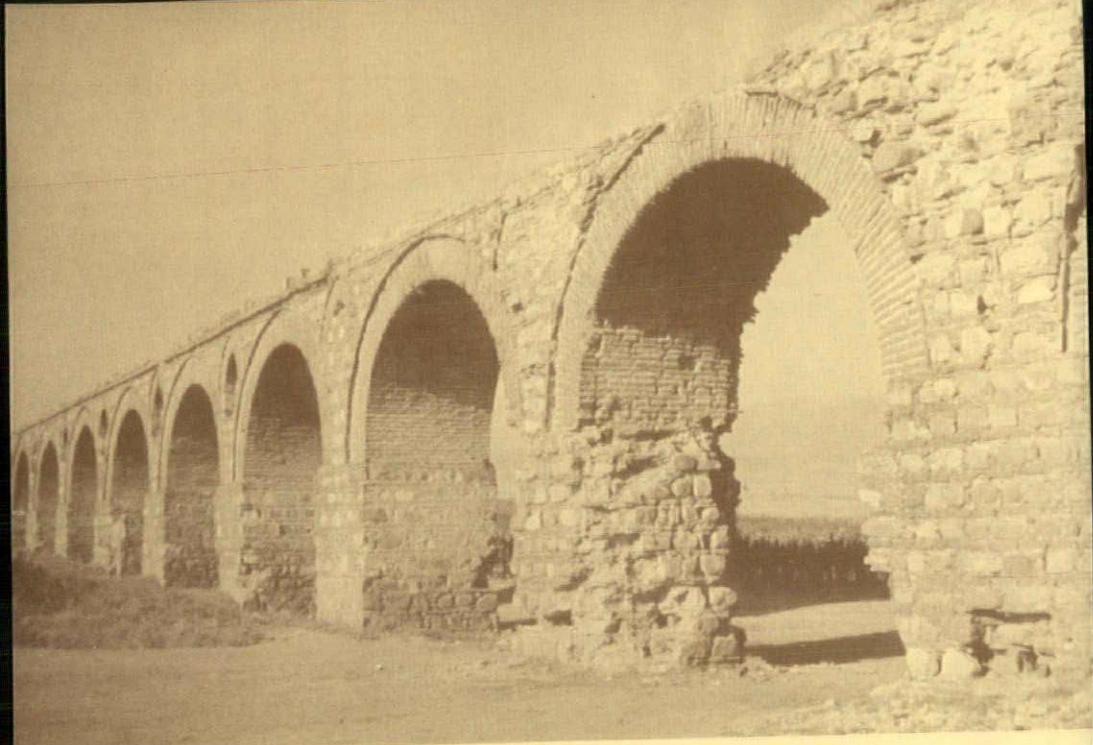




CONCRETE ARCH BRIDGE, AUSTRALIA  
1962

ROMAN ARCH BRIDGE, YUGOSLAVIA  
800 A. D.



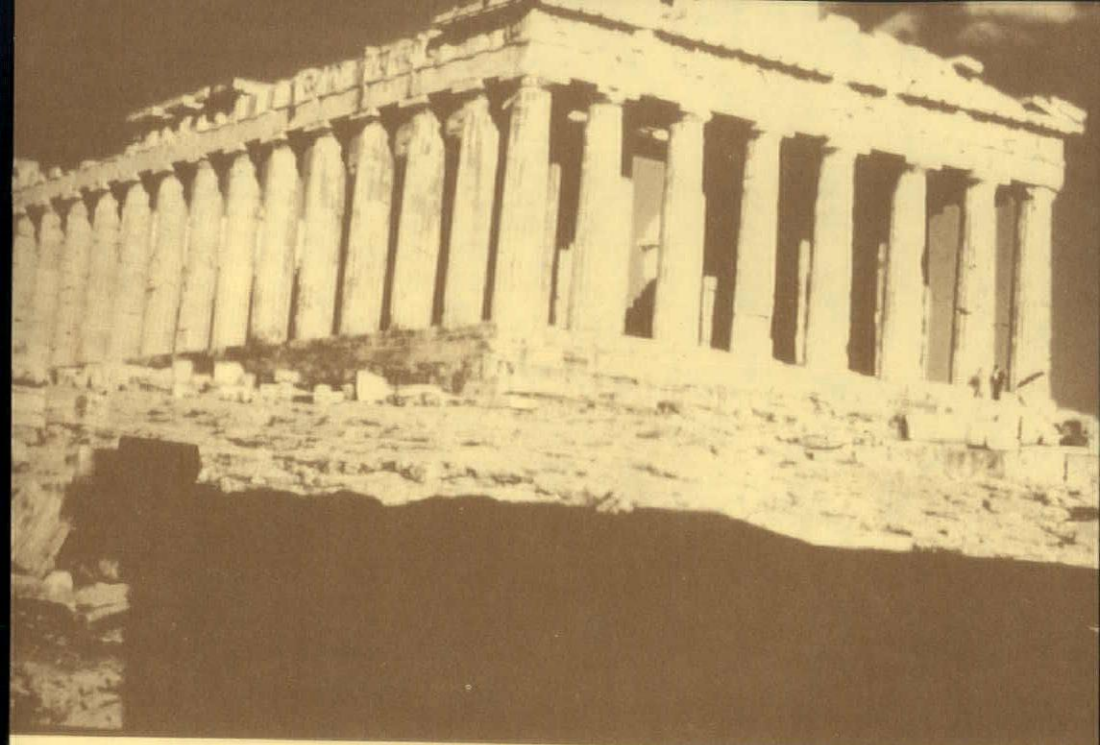


ROMAN AQUEDUCT, ITALY  
300 B.C.

BROOKS AQUEDUCT, CALGARY, CANADA  
1950



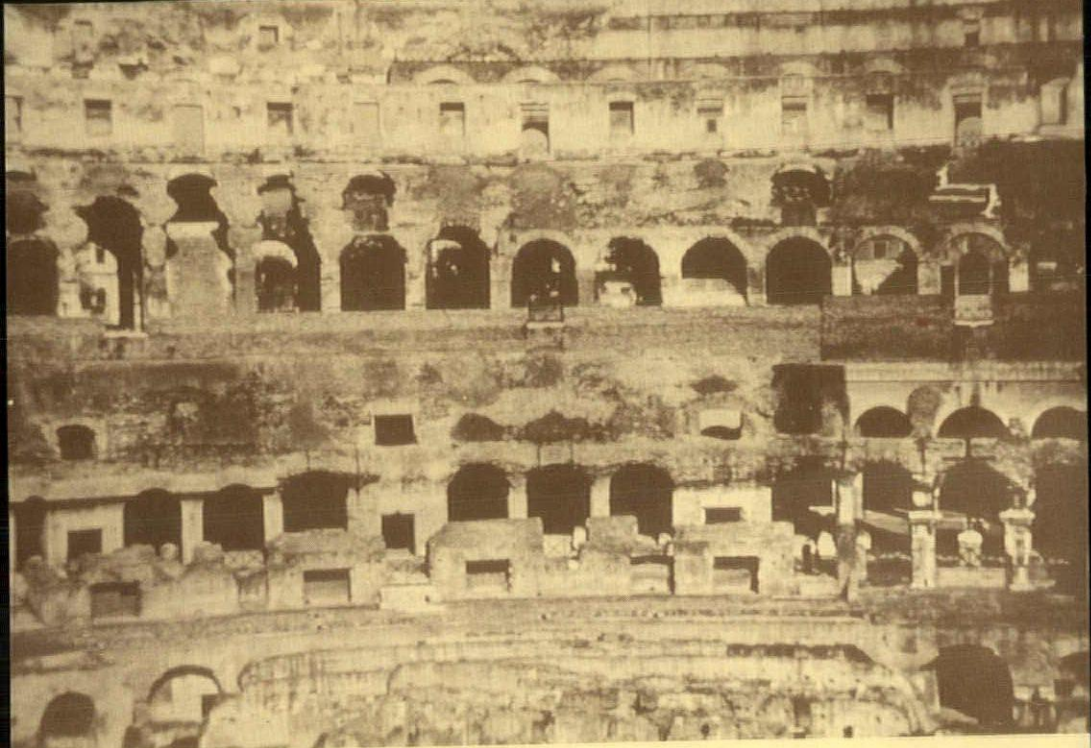




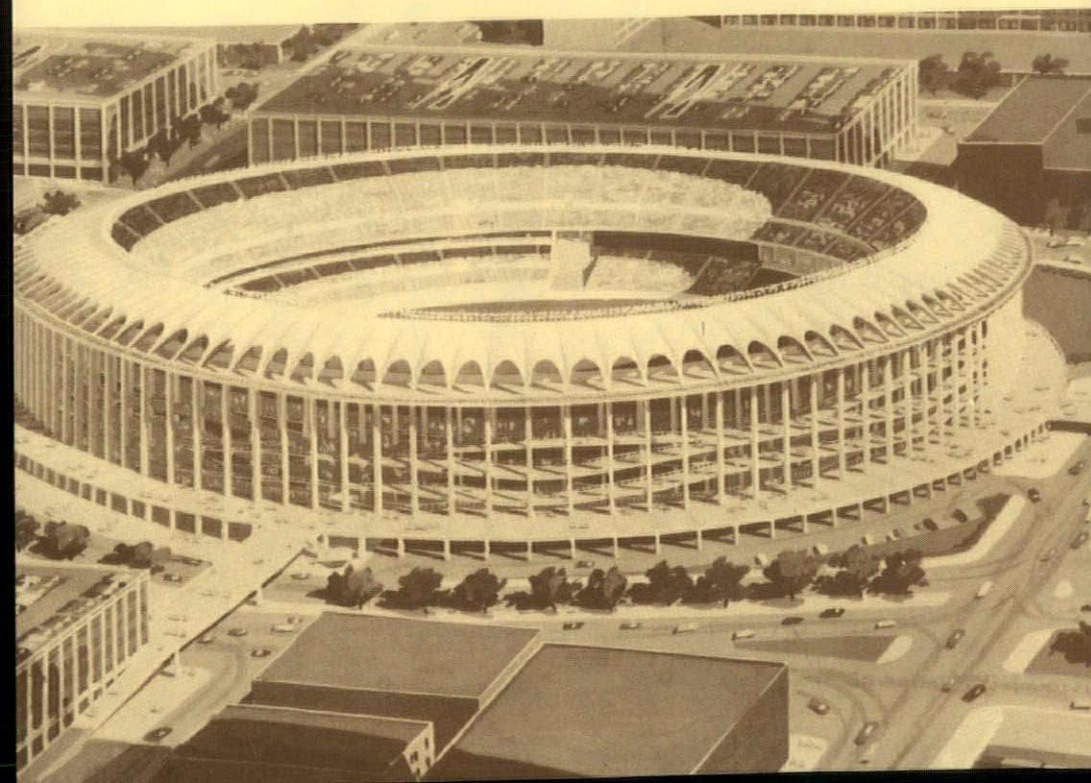
PARTHENON, GREECE  
438 B.C.

N. W. NATIONAL LIFE INSURANCE BUILDING, MINNEAPOLIS  
1965





COLOSSEUM, ROME  
80 A.D.  
BUSCH STADIUM, ST. LOUIS  
1966

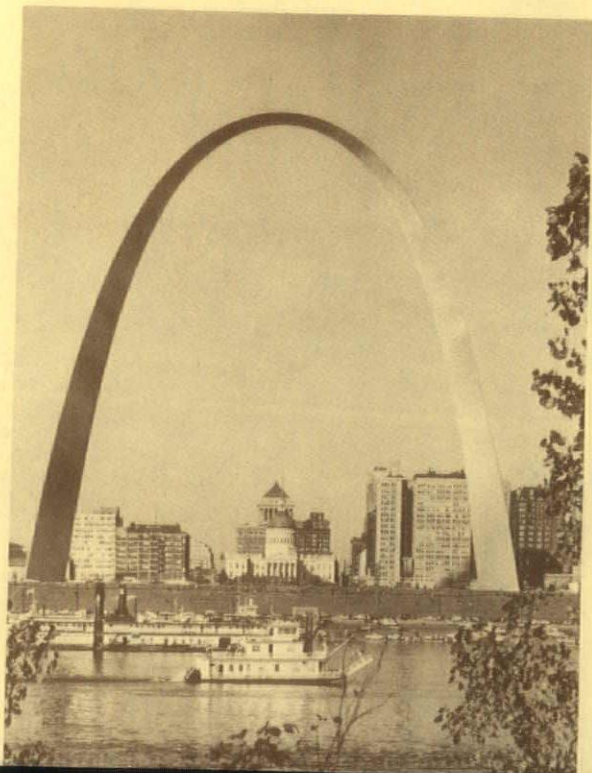


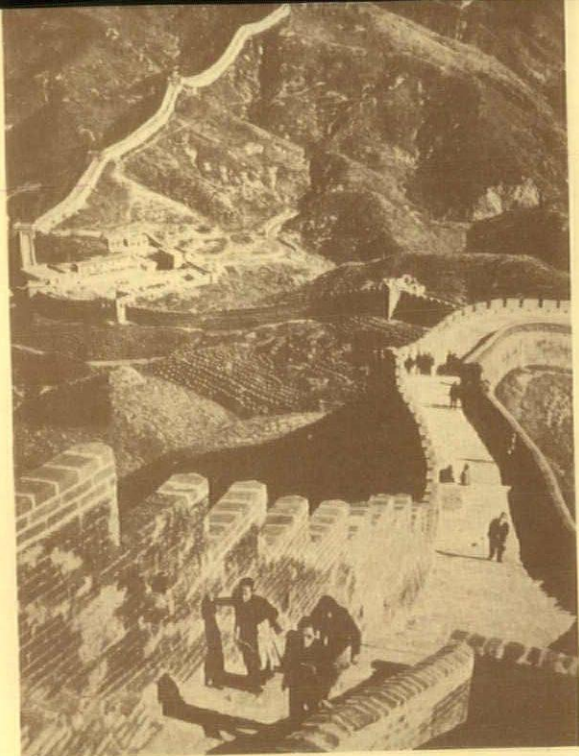




ARCH OF CONSTANTINE, ROME  
315 A.D.

GATEWAY TO WEST, ST. LOUIS  
1966



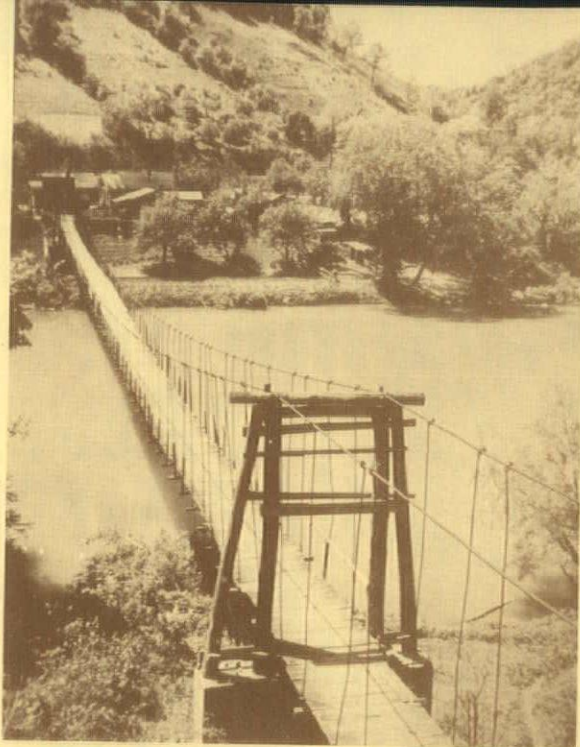


GREAT WALL OF CHINA  
300 B.C.

MODERN INTERSTATE HIGHWAY  
1965

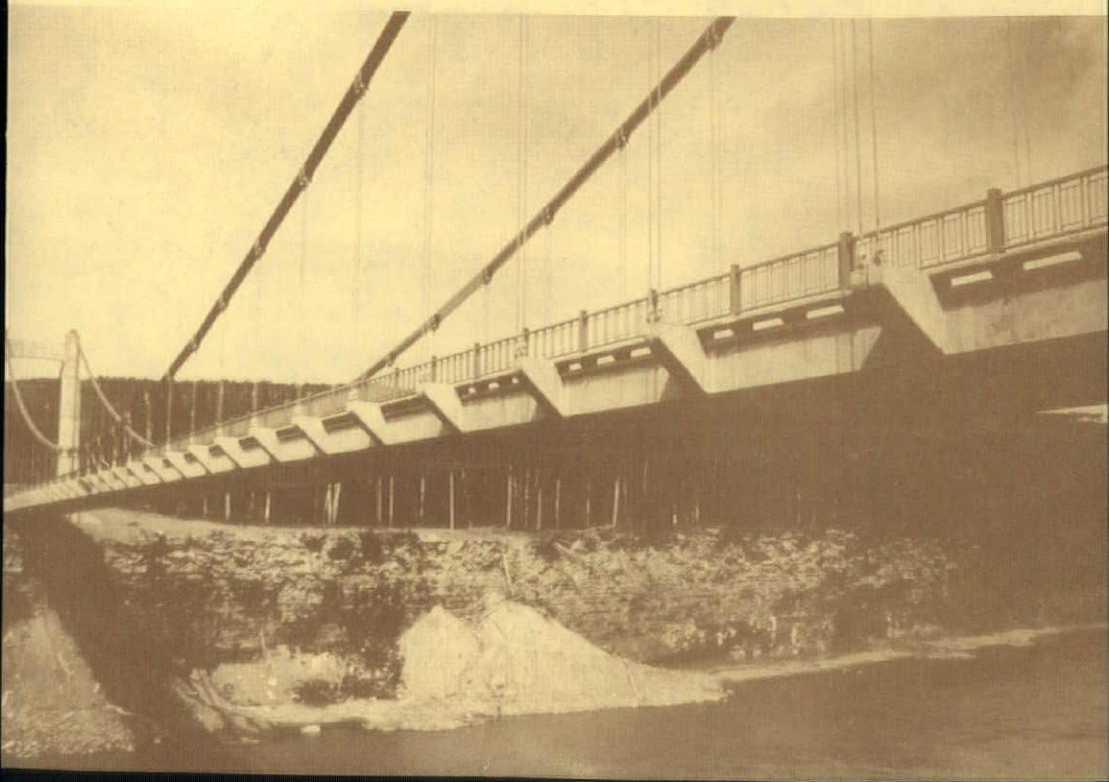






PRIMITIVE SUSPENSION BRIDGE, AFRICA  
1850

PEACE RIVER SUSPENSION BRIDGE, CANADA  
1950



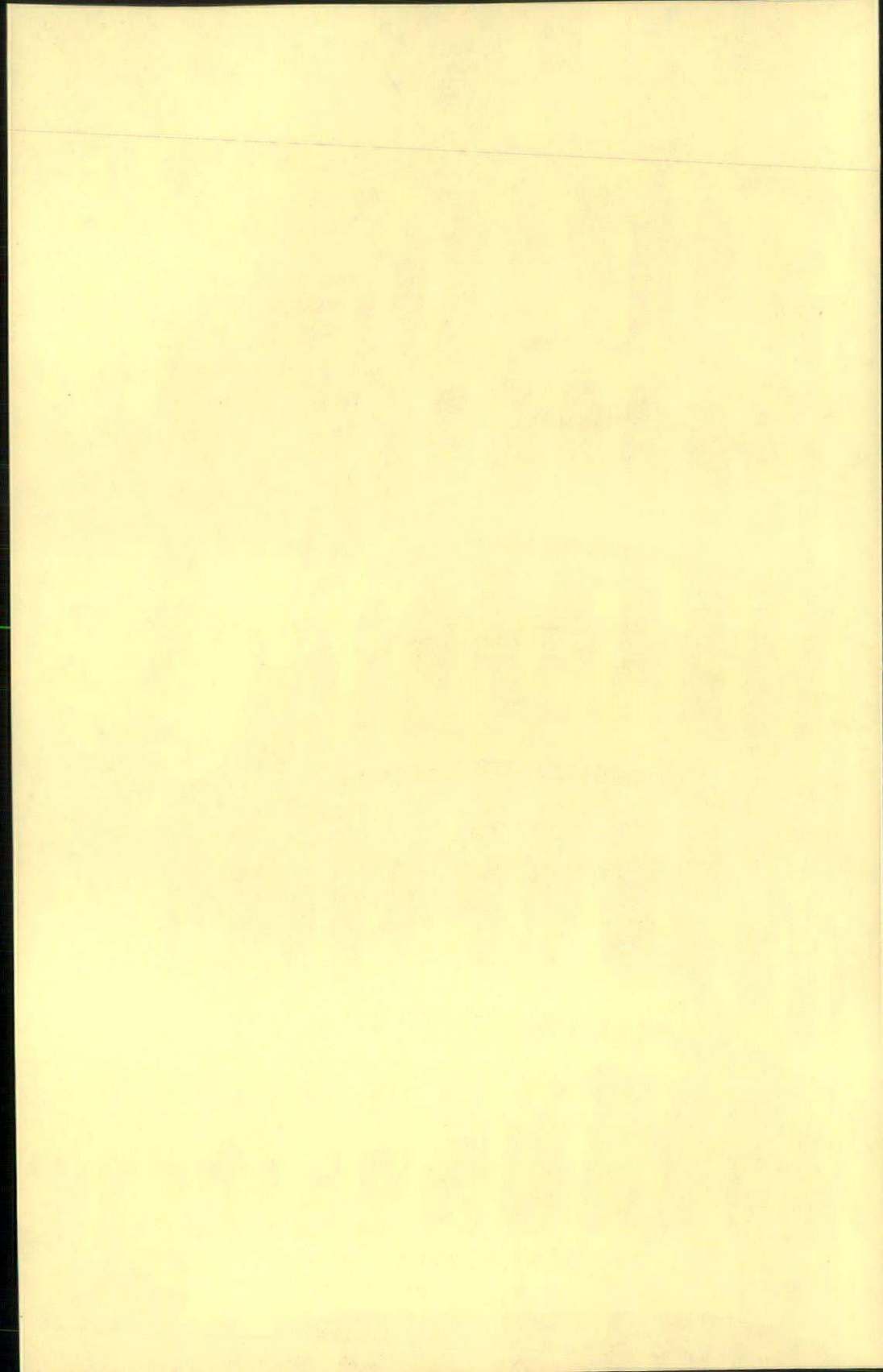


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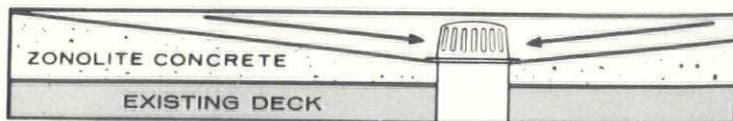
Allen, John L., Jr.  
 Atnip, D. Ken  
 Ball, Jack D.  
 Barden, Marvin Russell  
 Bonville, William  
 Bozeman, Earl G.  
 Brave, Fred J.  
 Brunner, William A.  
 Bumgarner, Jim  
 Chapman, Henry Otis  
 Clark, Ronald B.  
 Conklin, Richard J.  
 Devine, Tom  
 Engel, Robert W.  
 Frashier, Kenneth M.  
 Green, Daniel Edward  
 Grewe, Val John  
 Gibson, Thomas Wm.  
 Gross, Ray G.  
 Harper, Edward Harold  
 Hurley, Paul Joseph  
 Jones, Walk Claridge, III  
 Katz, David I.  
 Keys, Ralph L.  
 Kosar, Kenneth R.  
 Kupferberg, Paul I.  
 Lever, Alvin  
 Lockwood, Larry G.  
 McElwee, Ivan L.  
 McNett, Frank N.  
 Mackey, Eugene Jos., III  
 Mayer, Charles  
 Mickleitto, John Robert, Jr.  
 Miller, Jordan A.  
 Moseley, T. Edwin, Jr.  
 Pease, J. Norman, Jr.  
 Pike, Charles E.  
 Racek, Eugene R.  
 Ranney, Gerald A.  
 Rooney, Craig E.  
 Shanks, Clarence A.  
 Singleton, E. Crichton  
 Smith, Kent Pollard  
 Stahl, Richard, II  
 Stein, Richard G.  
 Stevens, Lyman  
 Stucky, Gordon K.  
 Taylor, Kenneth E.  
 Terry, Charles L.  
 Ulmer, Eric E.  
 Voscamp, Raymond L., Jr.  
 Williams, Homer Lee  
 Wimmer, Edward John  
 Woodworth, James P.  
 Word, William Baker  
 St. Louis  
 Florissant  
 Springfield  
 Kansas City  
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 Hutchinson, Kan.  
 Highland, Ill.  
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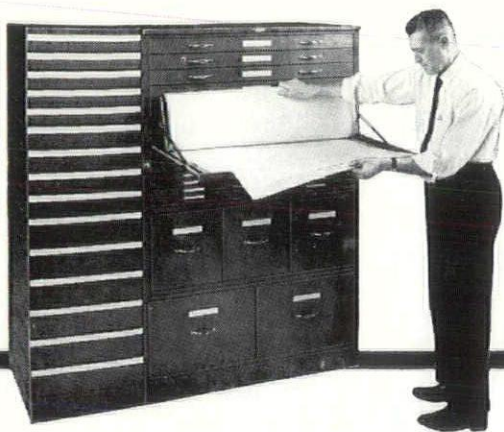
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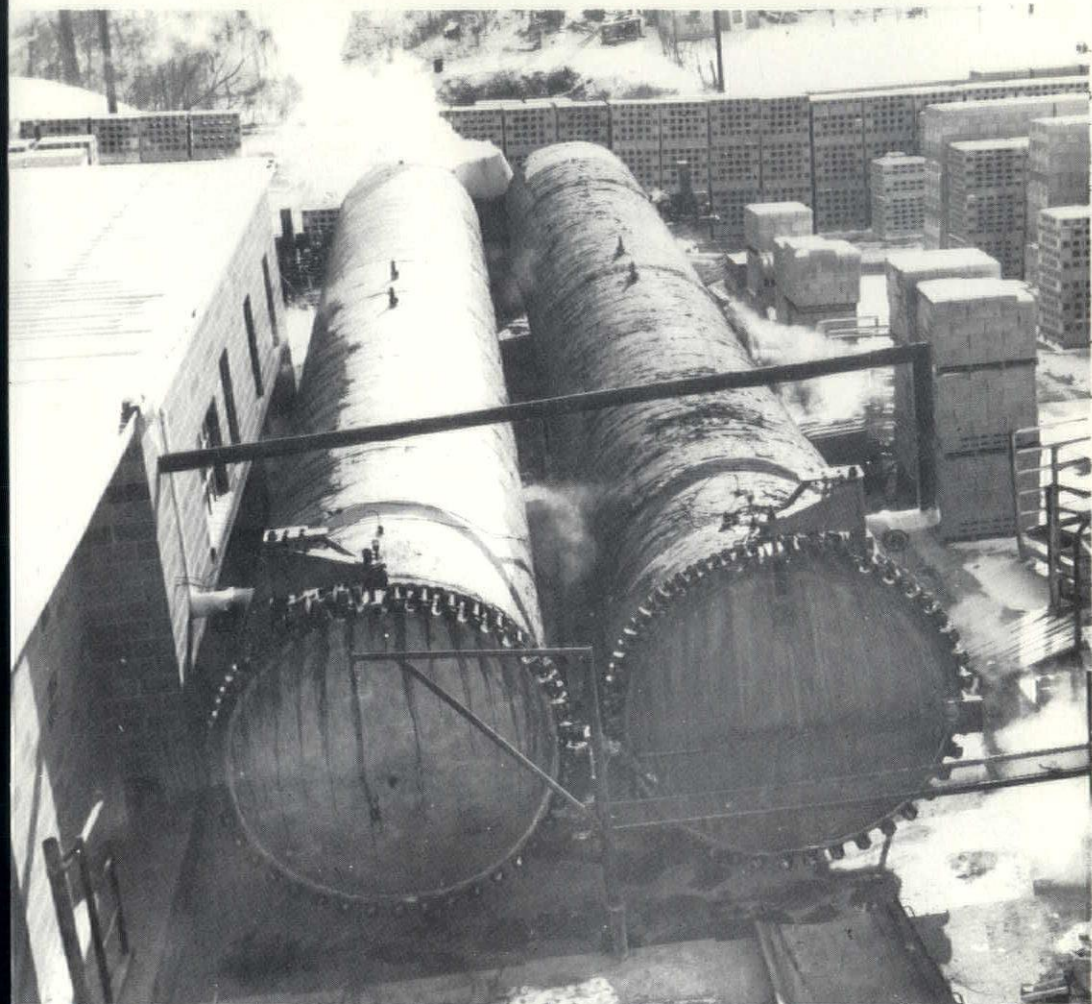


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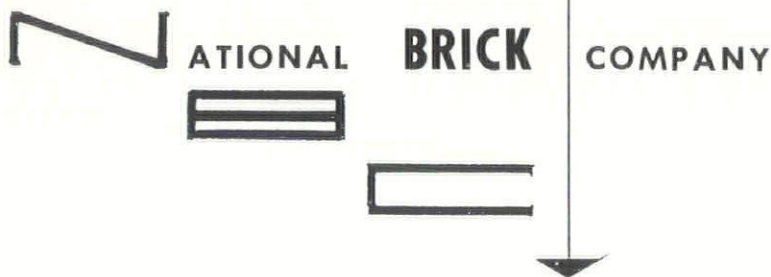
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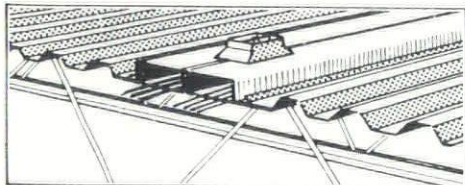


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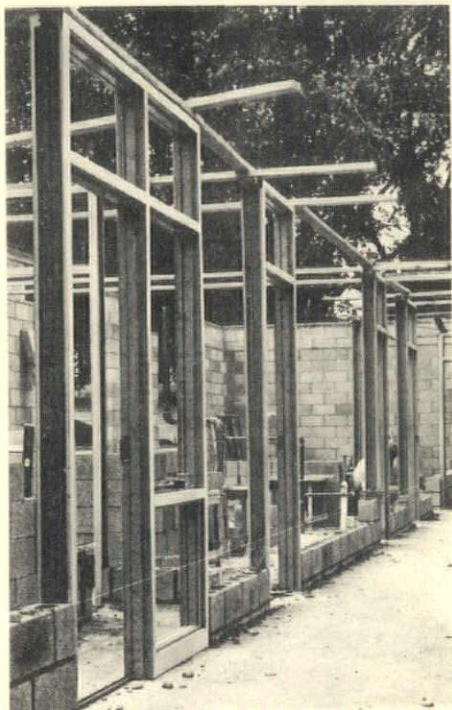
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