PURPOSES OF MARA

To improve the relations between members of the architectural profession and the general public through a program of education and cooperation.

To encourage the active participation of architects in civic affairs generally, to the end that the general public may become better acquainted with and more fully appreciate the contributions of the architectural profession toward the peace, health, culture and security of society, and to the end that all Missouri architects may become more keenly conscious of their obligations to the public, and their duty as members of the profession, and as citizens, to contribute their full share toward the preservation of the peace, health and safety of the citizens of this State.

To encourage its members, by both precept and example, to obey the laws of the State of Missouri, requiring and providing for the registration of architects, and to assemble and disseminate such information through the State of Missouri, as will tend to induce the public generally to obey said laws.
I remember my youth and... the feeling that I could last forever, outlast the sea, the earth, and all men.

—JOSEPH CONRAD
These are exciting times for the architectural profession in Missouri. One of the basic purposes of our association of 660 members is to improve the relations between members of the architectural profession and the public through education and cooperation. The expansion of our physical environment is greater than ever before. Obviously the challenge to develop architecture does not remain static because it is a reflection of our way of life. We believe the architect is identified by his ability to coordinate physical forms and placement of structures with and in space. We are also concerned about the space around forms.

The following is a recently published quotation from a fourth year student of architecture at one of our eastern universities: "In all of this I have tried to express one of the things that 'bugs' us. Perhaps this single sentence could have said it as well. You, the architect of today, have, for reasons known and unknown, failed miserably to give mankind an environment that even approximates the promise of today's techniques and materials."

This critical comment indicates a degree of enthusiasm, a spirit of youth, and a desire to improve on the past. Some would call it arrogance. This youth knows nothing about the responsibility of the use of today's techniques and materials that corrode, leak, melt, explode, sink, fade, crack, shrink, bend, rot, move, warp, and others.
Advice to the young man in architecture by F.L.W. was "Abandon as poison the American idea of the quick turnover. To get into practice halfbaked is to sell out your birthright as an architect for a mess of pottage, or to die pretending to be an architect. Take time to prepare. Ten years' preparation for preliminaries to architectural practice is little enough for any architect who would rise "above the belt" in true architectural appreciation or practice. Then go as far away as possible from home to build your first buildings. The physician can bury his mistakes, - but the architect can only advise his client to plant vines."

Most architects are going to develop somewhere between these two viewpoints and placing F.L.W. as the conservative is going some.

Architects are still working with natural materials from their surroundings. Buildings are constructed of the same materials – brick, stone and concrete – that were used centuries ago. Perhaps this is an expression of man’s independence.

We have been integrated into rigid engineering forms. The achievements of our space flights are an advancement of great adventure. The Gemini is not a comfortable piece of architecture, and apparently the moon is a formidable site. People are individuals and not too likely to be integrated into an organized physical environment like a colony of ants.

Architects are interested in individually designed structures. Maybe this is why we see so many different types or styles of building. Some selected by the sophisticated and repeated, others haphazard.

Repetition obviously is a faster process when the limitation to time is recognized. Our concern about urban planning implicates us into the movement of our times. The major problem is the circulation or movement of people and things. Maybe our building forms should not be look alikes.

The architects have endorsed saving the Old Post Office Building in downtown St. Louis. This building is solid, heavy granite and ornamented. Its contrast with slick new structures is the prominent feature. Standing by itself the building is opulent but antiquated and outworn. It would take extensive force to put it in orbit, like a missile. It will never look sleek.
President’s Comment Cont’d

The often quoted architect Frank Lloyd Wright’s principles of organic architecture may be difficult to improve. The relationship of structures to nature and things that are universally beautiful and independent may be the direction that our numerous tangents could cross-step to.

A registered architect, as our name implies, is a recognition of our desire to oppose restriction on the freedom to execute creative imaginative architecture. It is also a factor of safety to cooperate with the construction and use of structures so that they do not fail. Experimentation remains in the calculation, study and design of form. The trial and error method must be made in these stages. We are interested in safety and solidality.

We have planned an interesting program for our convention in St. Louis, May 14th and 15th. We think our members and friends will want to participate in some of the discussions of Missouri Statutes, progressive design, and professional problems, as well as joining in the merriment. The viewing point of the Saarinen Arch to the south from the fifth floor terrace of the Bel-Air East Hotel is the most dramatic in the city at this time. Some of the structures of our speaker from Mexico, Felix Candela, are very exciting and imaginative. You won’t want to miss our complex of ingredients which do not bear a fixed proportion to one another, but which, thoroughly comingled retain a separate independence.

Our fine young student’s critical eye will have to focus on the Saarinen Arch. Frank Lloyd Wright imagined a skyscraper eight times as tall, one mile up. Architects will not be the first to fly to the moon, but we are interested in the architecture that may be constructed there.

We are not necessarily disposed to maintain all existing institutions or views, and we are certainly not opposed to change. Architects certainly are not confused about their role. There is too much to do.
WILL MEET AT THE BEL AIR HOTEL
MAY 15, 1965 THE HOTEL OVERLOOKS THE GATEWAY ARCH

SAINT LOUIS MISSOURI
A luncheon was held at the home of Mrs. David W. Pearce for the ladies planning the ladies events for the annual Missouri Association of Registered Architects' convention.

Architects' Day this year is being held at the beautiful Bel-Air East Motor Hotel on May 14 and 15.

A book review will be given by Mrs. Margie Struckmeyer of St. Louis and a bus tour to the base of the Saarinen Arch are some of the ladies events planned.

The banquet, which will be held in the Mayan room with a Polynesian atmosphere, will be a formal affair with dancing and entertainment after the banquet.

Seated from left to right are Mrs. Edward J. Thias, chairman of the committee; Mrs. David Pearce, Mrs. Donald Wilson, Mrs. Walter Kromm and Mrs. Kenneth O. Brown.

It's an island festival.
MEET ME IN ST. LOUIS
MAY 15, 1965
BEL AIR EAST
FOR RESERVATIONS CALL MAIN 1-7800
APRIL, 1965
HOUSE BILL NO. 398
73RD GENERAL ASSEMBLY

INTRODUCED BY REPRESENTATIVES NIEWOEHNER, BAKER (Randolph), LISLE, THOMAS, PHELPS, PATTERSON AND CARNAHAN.

Read 1st time February 10, 1965, and 1,000 copies ordered printed.

AGNES MOORE, Chief Clerk.

AN ACT

To repeal section 71.620, RSMo Supp. 1963, relating to the prohibition of the imposition of a tax or license fee on certain professions, and to enact in lieu thereof one new section relating to the same subject.

Be it enacted by the General Assembly of the State of Missouri, as follows:

Section 1. Section 71.620, RSMo Supp. 1963, is repealed and one new section enacted in lieu thereof, to be known as section 71.620, to read as follows:

71.620. Hereafter no person following for a livelihood the profession or calling of minister of the gospel, duly accredited Christian Science practitioner, teacher, professor in a college, priest, lawyer, certified public accountant, dentist, chiropractor, optometrist, chiropodist, physician or surgeon, architect or professional engineer in this state, shall be taxed or made liable to pay any municipal or other corporation tax or license fee of any description whatever for the privilege of following or carrying on such profession or calling, any law, ordinance or charter to the contrary notwithstanding.

MISSOURI ARCHITECT
HOUSE BILL NO. 479
73RD GENERAL ASSEMBLY

INTRODUCED BY REPRESENTATIVES PHELPS, NIEWOEHRER, LISLE, ROBERTS AND CARANAHAN.

Read 1st time February 23, 1965, and 1,000 copies ordered printed.

AGNES MOORE Chief Clerk.

AN ACT
To limit the time for bringing certain actions.

Be it enacted by the General Assembly of the State of Missouri, as follows:

Section 1. No action in contract, tort or otherwise, to
1 recover damages
2 (1) for any deficiency in the design, planning, supervision or observation of construction or construction of an
improvement to real property,
5 (2) for injury to property, real or personal, arising out
7 of any such deficiency, or
9 (3) for injury to the person or for wrongful death arising out of any such deficiency,
10 shall be brought against any person performing or furnishing
11 the design, planning, supervision or observation of construction or construction of such an improvement more than four
13 years after substantial completion of such an improvement.
14 2. Notwithstanding the provisions of subsection 1 of this
15 section, in the case of such an injury to property or the person

APRIL, 1965
or such an injury causing wrongful death, which injury occurred during the fourth year after such substantial completion, an action in tort to recover damages for such an injury or wrongful death may be brought within one year after the date on which such injury occurred irrespective of the date of death, but in no event may such an action be brought more than five years after the substantial completion of construction of such an improvement.

3. Nothing in this act shall be construed as extending the period prescribed by the laws of this state for the bringing of any action.

4. The limitation prescribed by this act shall not be asserted by the way of defense by any person in actual possession or the control, as owner, tenant or otherwise, of such an improvement at the time any deficiency if such an improvement constitutes the proximate cause of the injury or death for which it is proposed to bring an action.

5. As used in this act, the term "person" shall mean an individual, corporation, partnership, business trust, unincorporated organization, association or joint stock company.

Section 2. Notwithstanding the provisions of any sections of the statutes tolling the statutes of limitations, saving any causes of action which may have been otherwise barred thereunder or establishing a time when a cause of action accrues, or excluding certain lands from the operation and effect of any statute of limitations, no disability or lack of knowledge on the part of anyone shall suspend the running of the four-year period, and for the purposes of this section the right of action shall be deemed to accrue immediately upon the substantial completion of the improvement to real property.
COMMENT ON HOUSE BILL 479

BY GEORGE KASSABAUM

As I write this, there seems to be three things facing the chapter that require some action on the individual member's part.

The first, and certainly the most urgent, is House Bill No. 479 which establishes a four-year limit on the design liability of an architect. By the time you read this, Angelo Corrubia, Ralph Fournier, John Sweeney and I will have been to Jefferson City to testify before the house judiciary committee, and as I write, we can only assume that it will receive favorable committee action. Then, you can help by contacting your representative and eventually, I hope, your senator.

Our desire for this legislation can easily be misinterpreted, and all of us should stress that we are not trying to shirk our obligations to design a safe building. What we do feel is fair is to establish a reasonable period of time of safe use -- not the lifetime of the architect and his heirs -- as being legal proof that the building was safely designed in the first place. Many other states have passed such legislation, and whether Missouri does or not depends on your ability to influence your state representative and state senator.

In writing, it seems to me there are certain points that could be stressed:

(1) The experience, at least partly due to the unlimited exposure, has so increased the insurance premium that young men just beginning, and offices with limited practice, cannot afford to carry the necessary protection, and are, therefore, discouraged from starting or remaining in business. No one benefits.

(2) After a building is once occupied, the architect loses control of the maintenance and repair of the building. A loose tread can cause a serious accident, and after the accident has occurred, the cause is difficult to determine. Lately, juries have been inclined to seek someone as being responsible, even if the injured person's lack of care might have been the cause. Since everyone believes architects are rich, and besides -- they have insurance, and since most juries really don't understand what an architect does, they often decide he is responsible as being the most convenient solution to their dilemma.

(3) Buildings inevitably contain elements where accidents can occur -- stairs, elevator shafts, windows, roof edges, machinery, high voltages, etc. It is unreasonable to require an architect, years after he has designed the building, to prove that it was not his design that caused the accident. Safe use is the best defense, but it is expensive and time-consuming to have to go to court to prove this, and therefore, it seems reasonable to recognize a certain period of such safe use and establish this by law.
Modern Architecture is alright but it won't last like the nineteenth century designs and buildings.
On some not distant day, the voice of each individual seller may well be lost in the collective roar of all together. Like injunctions to virtue and warnings of socialism, advertising will beat helplessly on ears that have been conditioned by previous assault to utter immunity. Diminishing returns will have operated to the point where the marginal effect of outlays for every kind of commercial persuasion will have brought the average effect to zero.

— John Kenneth Galbraith, "The Affluent Society"
A PROBLEM - TOO MANY AUTOS
ARCHITECTURE IS A PROFESSION -

For the qualified, compliance with the necessary statutes may seem an unnecessary nuisance. This attitude is particularly unfortunate when unqualified persons and corporations, in the face of the cases discussed and existing statutes, contract with impunity to perform architectural services. The matter is obviously one that must concern the architect, and arouse him to action singly and in groups. Contractors must be educated to understand that when they agree to render architectural services they commit a crime; the public must be educated to know that to participate in such an agreement is equally reprehensible.

— from "It's The Law!" by Bernard Tomson
Both personally and editorially I feel strongly about the preservation of the best in man's natural environment and in improving on it where possible.

This feeling is well reflected in your article, "Architecture in Missouri" and in the editorial in MARA's "Missouri Architect". I would appreciate the opportunity to reprint both in a forthcoming issue of Landscape Design and Construction.

As stated and even more deeply implied in both your article and the editorial, there can be and must be closer cooperation between the architect and the landscape professions. Both have a common goal, to provide mankind with an environment in which he can live and move and have his being.

This would also apparently be the focus of your committee study (MARA Natural Beauty Committee), which I would greatly enjoy seeing when it is completed.

Sincerely,
Douglas Stapleton, Editor, LANDSCAPE DESIGN AND CONSTRUCTION

Dear Mr. Thias:

I had hoped to drop you a line several weeks ago thanking you for the nice pamphlets you sent me. I am greatly interested in your fine organization which is trying to stimulate interest in planting trees and beautifying the road sides on some of our highways in St. Louis County and other portions of Missouri.

I am enclosing the second sheet of the letter that I received from Osal B. Capps, State Forester of the Missouri Conservation Commission. If you and others can get more people interested in planting trees even though they only grow to 20 ft. in the next few years, these trees will give plenty of good water at the rate of 30 barrels a day for a mature oak which has grown to a height of 30 ft. Then the animals and wildlife in general will have ponds, streams, and forest land to romp in.

At any rate, Mr. Thias, your organization has started something and I congratulate you and your interest in keeping Missouri beautiful.

Sincerely,
H. T. Hungerford
Dear Mr. Sandford:

I have just finished reading your article called "Ten Years of Progress for Kansas City", in the January issue of "The Missouri Architect".

It is an excellent article, and one that should be read by everyone, particularly those in or near Kansas City, as well as those who may ever come to Kansas City.

Congratulations.

Sincerely yours,
Bruce Williams, Chairman of Registration Board

U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
WASHINGTON, D.C. 20235

Mr. Edward J. Thias, President
Missouri Association of Registered Architects
210 Monroe Street
Jefferson City, Missouri

Dear Mr. Thias:

Your letter of February 16 to the President together with a copy of Mr. Douglass Cater's letter dated March 12, has been referred to me for further reply.

Your expressed endorsement of the President's roadside beautification program is much appreciated. I am pleased to know that we have your commendation and the support of the "Missouri Association of Registered Architects." It is our hope and expectation that the program will be carried out efficiently at the local level with a minimum of regulation and control from Washington.

Enclosed for your information is a copy of my January 25, 1965, circular memorandum on the President's roadside beautification program.

I personally appreciate your desire to contribute to the preservation and creation of beauty in America and your willingness to assist in this program.

Sincerely yours,

Rex M. Whitton
Federal Highway Administrator

Enclosure
Dear Mr. Thias:

The President has asked me to thank you for your interesting letter, on behalf of the architects of the State of Missouri, commending him on his recommendations to the Congress for beautifying the cities and countryside of America. He appreciates your enthusiastic endorsement of the program.

The President stated in that message that our land will be attractive tomorrow only if we organize now for action and rebuild and reclaim the beauty we inherited. To know that you in Missouri are most anxious to cooperate in this endeavor is very gratifying to him.

Sincerely yours,

Douglass Cater
Special Assistant to the President

Mr. Edward J. Thias
President
Missouri Association of Registered Architects
210 Monroe Street
Jefferson City, Missouri
MEXICAN SHELL STRUCTURES

Candela built his first shell 15 years ago—an experimental funicular vault. Since then the shell—and particularly the umbrella shell—has become Candela’s trademark.

According to Colin Faber, Candela has built more than 8 million square feet of concrete umbrellas in the past five years alone. But not all of Candela’s umbrellas are above grade. Mexico’s terrible subsoil, one of the worst in the world to build upon, led Candela to a novel concept: the use of an inverted umbrella shell as a spread footing.

Since Candela’s work is still fresh and exciting, Concrete Construction hopes, in the near future, to devote several pages to a more comprehensive examination of Candela’s contribution to architecture.

ABOVE:—At the rear of the Bacardi bottling plant, this storage area was being constructed. Repetitive formwork was used here and the forms were stripped and moved to another location by laborers using small hand jacks.

ABOVE:—Shells like this one erected at a new Bacardi bottling plant outside Mexico City are becoming a fairly common sight in the U.S. Inside the plant the interior was left plain, and unfinished.

APRIL, 1965
MISSOURI ASSOCIATION OF REGISTERED ARCHITECTS

PAST PRESIDENTS

(YEAR SHOWN IS YEAR OF PRESIDENTIAL INSTALLATION)

1951  A. W. ARCHER, KANSAS CITY  (Deceased)
1952  E. R. FROESE, ST. LOUIS  (Deceased)
1953  HAROLD A. CASEY
      759 SOUTH GLENSTONE, SPRINGFIELD
1954  REX L. BECKER
      705 OLIVE STREET, ST. LOUIS
1955  LUTHER O. WILLIS
      308 V.F.W. BUILDING, KANSAS CITY
1956  ROBERT ELKINGTON
      7916 KINGSBURY AVENUE, ST. LOUIS
1957  DAVID P. CLARK
      302 MILLER BUILDING, COLUMBIA
1958  JOHN C. MONROE, JR.
      818 GRAND AVENUE, KANSAS CITY
1959  JOHN D. SWEENEY
      2102 SOUTH GRAND BLVD., ST. LOUIS
1960  JOHN M. HEWITT
      607 WESTPORT ROAD, KANSAS CITY
1961  DAVID W. PEARCE
      721 OLIVE STREET, ST. LOUIS
1962  DAVID M. BREY
      306 EAST 12TH STREET, KANSAS CITY
1963  RICHARD P. STAHL
      1465 SOUTH GLENSTONE, SPRINGFIELD
1964  EDWARD J. THIAS
      1004 MARKET STREET, ST. LOUIS
STATE ARCHITECTURAL SCHOOL FOR MISSOURI
The Missouri Association of Registered Architects, founded in 1951 and representing the architectural profession in the State of Missouri, recognizes the need for establishing a state school of architecture in Missouri. One of the Association’s purposes is to improve the relations between members of the architectural profession and the general public through a program of education and cooperation.

We are most interested in forwarding this brochure on the need for a school of architecture in our great state. If Missouri is to keep pace with our expanding economy, and engender an ever increasing awareness of the basic aesthetic and technological requirements of Architecture, we must provide an atmosphere for architectural education. Missouri is the only state west of the Mississippi River with a large population that does not have a state school of architecture.

The brochure presents a carefully studied budget requirement for a school and a proposed curriculum based on many years of research. The map of the United States indicates a distribution pattern for our state school of architecture. Many of the eastern states without a state school have private institutions which provide architectural education.

The construction industry is the largest industry in the country, and most certainly the university education of architecture must be advanced to include future architectural leaders in this great work of creating our physical environment.

Missouri Statutes require that architects become licensed for the purpose of protecting the inhabitants of the state in the enjoyment of life, health, peace, safety, and to protect their property from damage or destruction through dangerous, dishonest, incompetent or unlawful architectural practice, and generally to conserve the public welfare. This requirement is much similar to that required of the medical and legal professions.

We call on the public, legislators and Missouri University administrators to establish a school at the University of Missouri now. The necessity should be recognized and the problems in the schools creation can be resolved by the recognition of the need.

Edward J. Thias, President
MISSOURI ASSOCIATION OF REGISTERED ARCHITECTS
COST REQUIREMENTS FOR MISSOURI STATE SCHOOL OF ARCHITECTURE

After five years the instruction cost would be $60,000 to $70,000. There would be a need for individual drafting tables for a planned maximum of 200 students.

Library initially $25,000 then $1,000 per year.

The balance of the curriculum can be accommodated by the facilities of other schools or departments of the university now in existence.

Offices for the teaching staff and a secretary.

The department, except for the drafting room, requirements could begin with a budget, including a library, of $50,000 and the new department could operate after five years on an annual budget of $100,000 not including the care and maintenance of the drafting areas and the lecture rooms.

A minimum of two lecture rooms will be required for the courses of the new department.

The initial cost of starting and operating a School of Architecture at Missouri University is relatively small considering the vast amount of business conducted by the construction industry in Missouri. Missouri must keep pace with other States which have already recognized the need of architectural schools.

APRIL, 1965
<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
</tr>
<tr>
<td>Architectural Graphics</td>
<td>Basic Design</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Mathematics</td>
</tr>
<tr>
<td>English Composition</td>
<td>English Composition</td>
</tr>
<tr>
<td>Physics</td>
<td>Physics</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
<td></td>
</tr>
<tr>
<td>Architectural Design</td>
<td>Architectural Design</td>
</tr>
<tr>
<td>Architectural History</td>
<td>Architectural History</td>
</tr>
<tr>
<td>Freehand Drawing</td>
<td>Freehand Drawing</td>
</tr>
<tr>
<td>Statics</td>
<td>Strength of Materials</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td><strong>Third Year</strong></td>
<td></td>
</tr>
<tr>
<td>Architectural Design</td>
<td>Architectural Design</td>
</tr>
<tr>
<td>Steel Design</td>
<td>Steel Design</td>
</tr>
<tr>
<td>Materials of Construction</td>
<td>Materials of Construction</td>
</tr>
<tr>
<td>Color Drawing</td>
<td>Color Painting</td>
</tr>
<tr>
<td>Architectural History</td>
<td>Architectural History</td>
</tr>
<tr>
<td><strong>Fourth Year</strong></td>
<td></td>
</tr>
<tr>
<td>Architectural Design</td>
<td>Architectural Design</td>
</tr>
<tr>
<td>Reinforced Concrete</td>
<td>Advanced Structures</td>
</tr>
<tr>
<td>Mechanical Equipment</td>
<td>Mechanical Equipment</td>
</tr>
<tr>
<td>Architectural Rendering</td>
<td>Architectural Rendering</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td><strong>Fifth Year</strong></td>
<td></td>
</tr>
<tr>
<td>Architectural Design</td>
<td>Architectural Design</td>
</tr>
<tr>
<td>Specifications</td>
<td>Estimating and Contracting</td>
</tr>
<tr>
<td>City Planning</td>
<td>City Planning</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>Sculpture or Geology</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

CONTINUED ON PAGE 33

MISSOURI ARCHITECT
ANNUAL CONVENTION
MAY 14th & 15th 1965
SAINT LOUIS
BEL AIR EAST
Fourth at Washington • St. Louis 2, Missouri

MISSOURI ARCHITECT
MISSOURI ASSOCIATION
OF
REGISTERED ARCHITECTS
ARCHITECTS' DAY, 1965
ST. LOUIS, MISSOURI
PROGRAM

FRIDAY - MAY 14, 1965
4:00 P.M.  Registration  Bel-Air East Motel
6:00 P.M.  "Meet Me In St. Louis"  Mayan Room
Cocktail Party, Public
Officers & all Guests
Officers & Directors Hosts
Courtesy of the St. Louis
Producers Council

SATURDAY - MAY 15, 1965
8:00 A.M.  Registration  Bel-Air East
8:00 A.M.  Board And Committee
Meetings  Studio Room
9:00 A.M.  Business Meeting
Committee Reports-
Chairman; Past Presidents Report; General
Business
Paul Doll, Executive Director
John Burruss, Jr., Legal Counsel

APRIL, 1965  27
9:30 A.M.  Ladies Book Review  Gallery Room
          And Coffee
          Mrs. Margie Struckmeyer

11:45 A.M.  Luncheon  Mayan Room
            Speaker: Missouri Attorney General
            Norman Anderson

2:15 P.M.  Panel Discussions  Bel-Air East
            "The Architect and the Missouri
            Statutes" – William Curran, Jr.,
            Moderator; (United States Department
            of Commerce)
            Registration Board: Hari Van Hoefen
            Paul Buchmueller
            John Burruss, Jr., (MARA Legal Counsel)
            David W. Pearce, Past President, M.A.R.A.

4:00 P.M.  Tour to Saarinen Arch Base
            All Ladies, Guests & Members
            Invited

6:00 P.M.  Social Hour  South Patio Terrace
            Cocktails Courtesy of
            Fifth Floor
            Carthage Marble Co.
            Carthage, Missouri
            (Overlooking the
            Saarinen Arch)

7:30 P.M.  Banquet  Mayan Room
            Speaker: Felix Candela of
            Mexico
            Introduction of Officers & Directors

10:00 P.M.  Music & Dancing
            Ladies are invited to attend all general events!
Registration Fees: per person

- Members ................................................. $10.00
- Ladies .............................................. No Fee
- Employees ............................................. $2.50
- Non-Members ......................................... $2.50
- Students ............................................... No Fee
- St. Louis Producers Council Members .......... No Fee

Ticket Fees: per person

- Saturday Luncheon .................................... $4.25
- Saturday Night Banquet — (Registered) .......... $7.50
  (Non-Registered) ................................. $10.00

All Members are Invited to bring Interested Guests.
FELIX CANDELA

MISSOURI ARCHITECT
FELIX CANDELA

FELIX CANDELA, was born in Madrid, Spain in 1910. He lives in Mexico since 1939, and is a Mexican citizen since 1941.

He got his title of Architect from the “Escuela Superior de Arquitectura de Madrid” in 1935.

He is a Professor at the “Escuela Nacional de Arquitectura”, University of Mexico since 1953.

He is President of “Curiertas Ala, S.A.”, firm specialized in the design and construction of shell structures, which has built more than 300 shell structures in Mexico. Besides he has acted as consultant for shells built in Venezuela, Central America, Columbia, Peru, Cuba, Argentina, U.S.A. and England.

He has published articles in Architectural and Engineering magazines throughout the world and given lectures in many U.S.A. Universities, England, Germany, Scandinavia and South American countries.

Is a member of:
- Sociedad de Arquitectos Mexicanos
- American Concrete Institute
- Institut Technique du Batiment et des Travaux Publics
- International Association for Bridge and Structural Engineering

He was appointed as “Charles Elliot Norton” Professor of Poetry at Harvard University for the academic year 1961-62.

He was awarded the Gold Medal of the Institution of Structural Engineers in Britain in May 1961, and the prize “Auguste Perret” by the International Union of Architects at its Congress in London in July, 1961.

“Plomada de Oro” of the Sociedad de Arquitectos Mexicanos, 1963.

Doctor in Fine Arts “Honoris Causa”. University of New Mexico, 1964.

Alfred E. Lindau Award, American Concrete Institute, 1965.

Honorary Member:
- Sociedad Colombiana de Arquitectos
- Sociedad de Arquitectos Venezolanos
- American Institute of Architects
- International Association for Shell Structures
- Royal Institute of British Architects

APRIL, 1965
The Producers' Council, a national organization of manufacturers of quality building materials and equipment, was organized by the American Institute of Architects in 1921 to improve the level of advertising and sales promotion literature sent to architects.

Now an association comprised of nearly 200 manufacturers and 30 product trade associations, the Council's over-all purpose has widened to include promoting the sale and proper use of their building materials.

At the national level, the Producers' Council operates as an organization working with other national organizations and at the local, or more personal level as a group working with others through a chapter structure.
PROPOSED FACULTY PLAN AND REQUIREMENTS FOR MISSOURI STATE SCHOOL OF ARCHITECTURE

FIRST YEAR REQUIREMENTS:
One Professor to head the new department
One Instructor to teach: Descriptive Geometry
Shades and Shadows
Perspective
Basic Design

One Drafting Room seating 40

FOR SECOND YEAR ADD:
One Instructor to teach: Architectural Design and Architectural History

One Drafting Room seating 35

FOR THIRD YEAR ADD:
One Instructor to teach: Architectural Design and Architectural History
(Head of department will teach Materials or History)

One Drafting Room seating 30

FOR FOURTH YEAR ADD:
One Instructor to teach: Architectural Design and Architectural Delineation
One Instructor to teach: Mechanical Equipment and later Specifications and Estimating

One Drafting Room seating 25

FOR FIFTH YEAR ADD:
One Instructor to teach: Architectural Design and City Planning

One Drafting Room seating 25

APRIL, 1965
## ASSOCIATION OF COLLEGIATE SCHOOLS OF ARCHITECTURE ENROLLMENT AND STATISTICAL INFORMATION 1962-63

<table>
<thead>
<tr>
<th>MEMBER SCHOOLS</th>
<th>Total Enrollment for 1962-63</th>
<th>No. of Candidates for 1st Professional Degree — B. Arch. or Equivalent 5 Year Program</th>
<th>No. of Candidates for 2nd Professional Degree — M. Arch. or Equivalent 6 Year Program</th>
<th>Professional Degrees To Be Granted 1962-63</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>B. Arch.</td>
<td>Structural Option</td>
<td>Other Option</td>
</tr>
<tr>
<td>Arizona State University</td>
<td>228</td>
<td>228</td>
<td></td>
<td>228</td>
</tr>
<tr>
<td>University of Arkansas</td>
<td>144</td>
<td>140</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Auburn University</td>
<td>191</td>
<td>184</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>University of British Columbia</td>
<td>96</td>
<td>83</td>
<td></td>
<td>83</td>
</tr>
<tr>
<td>University of California</td>
<td>667</td>
<td>667</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carnegie Institute of Technology</td>
<td>146</td>
<td>140</td>
<td></td>
<td>140</td>
</tr>
<tr>
<td>Catholic University of America</td>
<td>183</td>
<td>183</td>
<td></td>
<td>183</td>
</tr>
<tr>
<td>University of Cincinnati</td>
<td>453</td>
<td>406</td>
<td></td>
<td>47(U.P.)</td>
</tr>
<tr>
<td>Clemson College</td>
<td>269</td>
<td>252</td>
<td>17(Const.)</td>
<td>269</td>
</tr>
<tr>
<td>University of Colorado</td>
<td>160</td>
<td>160</td>
<td>49(A.E.)</td>
<td>160</td>
</tr>
<tr>
<td>Columbia University</td>
<td>258</td>
<td>184</td>
<td></td>
<td>184</td>
</tr>
<tr>
<td>Cornell University</td>
<td>262</td>
<td>228</td>
<td></td>
<td>228</td>
</tr>
<tr>
<td>University of Detroit</td>
<td>175</td>
<td>175</td>
<td></td>
<td>175</td>
</tr>
<tr>
<td>University of Florida</td>
<td>367</td>
<td>363</td>
<td></td>
<td>363</td>
</tr>
<tr>
<td>Georgia Institute of Technology</td>
<td>372</td>
<td>279</td>
<td>41(Const.)</td>
<td>24(I.D.)</td>
</tr>
<tr>
<td>Hampton Institute</td>
<td>62</td>
<td>62</td>
<td>19(A.E.)</td>
<td>81</td>
</tr>
<tr>
<td>Harvard University</td>
<td>146</td>
<td>116</td>
<td></td>
<td>116</td>
</tr>
<tr>
<td>University of Houston</td>
<td>287</td>
<td>283</td>
<td></td>
<td>283</td>
</tr>
<tr>
<td>Howard University</td>
<td>164</td>
<td>164</td>
<td></td>
<td>164</td>
</tr>
<tr>
<td>Illinois Institute of Technology</td>
<td>184</td>
<td>149</td>
<td></td>
<td>157</td>
</tr>
<tr>
<td>University of Illinois</td>
<td>832</td>
<td>594</td>
<td>197</td>
<td>791</td>
</tr>
<tr>
<td>Iowa State University</td>
<td>347</td>
<td>254</td>
<td>86(A.E.)</td>
<td>340</td>
</tr>
<tr>
<td>Kansas State University</td>
<td>448</td>
<td>357</td>
<td>66</td>
<td>423</td>
</tr>
<tr>
<td>Institution</td>
<td>152</td>
<td>117</td>
<td>—</td>
<td>117</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>Massachusetts Inst. of Tech.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Miami University (Ohio)</td>
<td>156</td>
<td>146</td>
<td>—</td>
<td>146</td>
</tr>
<tr>
<td>University of Michigan</td>
<td>382</td>
<td>353</td>
<td>10</td>
<td>2(U.P.)</td>
</tr>
<tr>
<td>University of Minnesota</td>
<td>211</td>
<td>186</td>
<td>—</td>
<td>18</td>
</tr>
<tr>
<td>Montana State College</td>
<td>196</td>
<td>14</td>
<td>—</td>
<td>14</td>
</tr>
<tr>
<td>Inst. Technologico de Monterrey</td>
<td>200</td>
<td>200</td>
<td>—</td>
<td>200</td>
</tr>
<tr>
<td>University of Nebraska</td>
<td>230</td>
<td>224</td>
<td>6(Const.)</td>
<td>—</td>
</tr>
<tr>
<td>North Carolina State College</td>
<td>303</td>
<td>303</td>
<td>—</td>
<td>34(B.L.A.)</td>
</tr>
<tr>
<td>North Dakota State University</td>
<td>130</td>
<td>114</td>
<td>14(A.E.)</td>
<td>—</td>
</tr>
<tr>
<td>University of Notre Dame</td>
<td>160</td>
<td>160</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Ohio State University</td>
<td>275</td>
<td>205</td>
<td>22(B.L.A.)</td>
<td>257</td>
</tr>
<tr>
<td>Oklahoma State University</td>
<td>252</td>
<td>164</td>
<td>92</td>
<td>—</td>
</tr>
<tr>
<td>University of Oklahoma</td>
<td>261</td>
<td>258</td>
<td>—</td>
<td>258</td>
</tr>
<tr>
<td>University of Oregon</td>
<td>599</td>
<td>466</td>
<td>130(B.L.A.)</td>
<td>596</td>
</tr>
<tr>
<td>Pennsylvania State University</td>
<td>308</td>
<td>245</td>
<td>59</td>
<td>304</td>
</tr>
<tr>
<td>University of Pennsylvania</td>
<td>190</td>
<td>186</td>
<td>4(A.E.)</td>
<td>—</td>
</tr>
<tr>
<td>Pratt Institute</td>
<td>520</td>
<td>462</td>
<td>—</td>
<td>462</td>
</tr>
<tr>
<td>Princeton University</td>
<td>137</td>
<td>116</td>
<td>—</td>
<td>116</td>
</tr>
<tr>
<td>Rensselaer Polytechnic Institute</td>
<td>162</td>
<td>162</td>
<td>—</td>
<td>162</td>
</tr>
<tr>
<td>Rhode Island School of Design</td>
<td>98</td>
<td>98</td>
<td>—</td>
<td>98</td>
</tr>
<tr>
<td>Rice Institute</td>
<td>90</td>
<td>85</td>
<td>—</td>
<td>85</td>
</tr>
<tr>
<td>University of Southern California</td>
<td>384</td>
<td>356</td>
<td>28(I.D.)</td>
<td>384</td>
</tr>
<tr>
<td>Stanford University</td>
<td>56</td>
<td>56</td>
<td>—</td>
<td>56</td>
</tr>
<tr>
<td>Syracuse University</td>
<td>161</td>
<td>134</td>
<td>—</td>
<td>17</td>
</tr>
<tr>
<td>A &amp; M College of Texas</td>
<td>369</td>
<td>286</td>
<td>60(Const.)</td>
<td>361</td>
</tr>
<tr>
<td>Texas Technological College</td>
<td>351</td>
<td>316</td>
<td>35(Const.)</td>
<td>—</td>
</tr>
<tr>
<td>University of Texas</td>
<td>333</td>
<td>327</td>
<td>—</td>
<td>327</td>
</tr>
<tr>
<td>University of Toronto</td>
<td>233</td>
<td>201</td>
<td>—</td>
<td>201</td>
</tr>
<tr>
<td>Tulane University</td>
<td>141</td>
<td>141</td>
<td>—</td>
<td>141</td>
</tr>
<tr>
<td>University of Utah</td>
<td>178</td>
<td>134</td>
<td>—</td>
<td>134</td>
</tr>
<tr>
<td>Virginia Polytechnic Institute</td>
<td>319</td>
<td>184</td>
<td>55</td>
<td>64(B.C.)</td>
</tr>
<tr>
<td>University of Virginia</td>
<td>153</td>
<td>138</td>
<td>15(A.H.S.)</td>
<td>153</td>
</tr>
<tr>
<td>University of Washington</td>
<td>368</td>
<td>333</td>
<td>—</td>
<td>4(U.P.)</td>
</tr>
<tr>
<td>Washington State University</td>
<td>156</td>
<td>156</td>
<td>—</td>
<td>156</td>
</tr>
<tr>
<td>Washington University (St. Louis)</td>
<td>209</td>
<td>200</td>
<td>—</td>
<td>200</td>
</tr>
<tr>
<td>Western Reserve University</td>
<td>81</td>
<td>81</td>
<td>—</td>
<td>81</td>
</tr>
<tr>
<td>Yale University</td>
<td>140</td>
<td>121</td>
<td>—</td>
<td>2</td>
</tr>
<tr>
<td>Advertiser</td>
<td>Page</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Interiors, Inc.</td>
<td>37</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydraulic Press Brick Co.</td>
<td>39</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Usona Manufacturing Company</td>
<td>39</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alton Brick</td>
<td>40</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Board of Registration</td>
<td>41</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City Block and Products Co.</td>
<td>42</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service Blue Print &amp; Photo Copy Co</td>
<td>43</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial Blue Print Company</td>
<td>44</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Stone Center</td>
<td>45</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shade Wilson &amp; Son, Inc.</td>
<td>46</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>James B. Fisher, Jr.</td>
<td>47</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T. J. Finan Co., Inc.</td>
<td>47</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winco Ventilator Company</td>
<td>47</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Granco Steel Products Company</td>
<td>49</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metalworking Industry of St. Louis.</td>
<td>49</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Brick Company</td>
<td>50</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Buildex, Incorporated</td>
<td>51</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Carter-Waters Corp</td>
<td>53</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zonolite Company</td>
<td>54</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**BUSINESS INTERIORS, INC.**

**1000 WASHINGTON AVENUE**

**CENTRAL 1-6585**

Distributors for

- Knoll
- Herman Miller
- Dux
- B. I. Marble
- All Steel Equipment

Furnishers of Contract Interiors

- Space Planning
- Food Service Engineering
- Interior Specifying

April, 1965
<table>
<thead>
<tr>
<th></th>
<th>4-Times Rate</th>
<th>1-Time Special Directory Issue (April)</th>
<th>1-Time Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Page</td>
<td>$70.00</td>
<td>$100.00</td>
<td>$85.00</td>
</tr>
<tr>
<td>Half Page</td>
<td>45.00</td>
<td>70.00</td>
<td>60.00</td>
</tr>
<tr>
<td>Quarter Page</td>
<td>30.00</td>
<td>50.00</td>
<td>45.00</td>
</tr>
</tbody>
</table>

We are pleased to offer:

15% Agency Discount, and

2% Additional Discount, if payment is made within 10 days after receipt of statement.

1) Page size: 6" x 9"

2) Printed Area, Maximum:
   - Full Page: 5" x 8"
   - ½ Page: 3 ¼" x 5"
   - ¼ Page: 1 ¾" x 5"

3) All material, suitable for Lithographic Reproduction. Furnish glossy photos or artwork for half tones.

4) Months Published:
   - January, April, July, October

5) Copy Deadline:
   - 10th of month, preceding.

The Missouri Architect is the official journal of the Missouri Association of Registered Architects. Members should forward material to the editor.

It is mailed to:

1) All Registered Architects in Missouri.
2) Consulting Engineers in Missouri.
3) College Libraries in Missouri.
4) Building Commissioners in major Missouri cities.
5) Major High School Libraries in Missouri.
6) Major Building Contractors in Missouri.
7) County Courts in Missouri.
8) Mayors of major cities in Missouri.
9) State Building Officials.
10) Architectural students enrolled at Washington University.
11) Members of Missouri Senate and House of Representatives.

Write if you are not on the mailing list or if you change your address.
HYDRAULIC PRESS BRICK COMPANY
St. Louis, Missouri

Hy-tex
The Standard of Quality in Brick

MA. 1-9306

FACE BRICK

HAYDITE AGGREGATE

VSONA MFG. CO.
3512-26 CHOUTEAU AVENUE
ST. LOUIS 3, MO.
MANUFACTURERS OF

BRONZE
ALUMINUM
IRON
WIRE WORK
STAINLESS STEEL
FLAG POLES

FOUNDRY
PLATING
CADMIUM
ALUMINUM
NICKEL
CHROME

PLAQUES — TABLETS
ARCHITECTURAL METALS

FOR REFERENCE SEE NATIONAL ASSOCIATION HANDBOOK
PHONE MO. 4-8000

APRIL, 1965
BRICK — The graceful, the respectful compliment

BRICK MASONRY is the never-stilled voice of the world's most superb architecture. Skilled masons working with efficient ceramic units offer today designers perpetual modernness.

ALTON BRICK
1415 South Big Bend, Saint Louis 17, Missouri
Registrations of all professional engineers, architects and land surveyors not renewed for the year 1964 were suspended by operation of law on the first day of April, 1964.

All such registrations, unless previously reinstated, expired by operation of law at midnight December 31, 1964.

Expired registrants wishing to be re-registered should request forms for applying for such reregistration from the State Board of Registration for Architects and Professional Engineers, Box 184, Jefferson City, Missouri. Reregistration fee is $25.00.

STATE BOARD OF REGISTRATION FOR
ARCHITECTS AND PROFESSIONAL ENGINEERS

OFFICERS:
Bruce Williams, Joplin
Chairman of the Board

Olean Barton, Jefferson City
Acting Secretary

P. O. Box 184
Jefferson City, Mo.

ARCHITECTURAL DIVISION:
Hari Van Hoefen, Chairman
R. Paul Buchmueller
Everett Johns

ENGINEERING DIVISION:
William M. Spann, Chairman
Frank Beard
Walter E. Bryan

Tenth Floor - Jefferson Building
Office Hours - 8 a.m. to 5 p.m.
Monday thru Friday

Area Code 314
Telephone 635-1932
Jefferson City, Mo.
CITY BLOCK AND PRODUCTS CO., has recently installed 2 vessels 80 feet long by 8 feet in diameter for high pressure steam curing masonry units.

For the first time in the Kansas City area you can now have **PRE SHRUNK BLOCKS** in one day's time.

Blocks are cured for 8 hours at a temperature of 360° F. under pressure of 150 lbs. P.S.I.

Delivery – 150 mile radius.

Suggested specifications have been mailed to all architects.

CITY BLOCK
AND PRODUCTS CO.
Independence, Mo.
YOUR VALUABLE ENGINEERING DRAWINGS NEED THE PROTECTION OF Hamilton UNIT SYSTEM FILES

You get assured maximum protection for low cost* with these interlocking file-storage units. Complete, convenient classification and storage for drawings of all sizes, all activity levels. Rugged steel construction and traditional Hamilton built-in quality. Instant accessibility, too, in the 10-drawer unit with Hamilton's EXCLUSIVE TRACING LIFTER that makes every tracing a top sheet—ends fumbling and torn, crumpled drawings. Look into Hamilton Unit System Files—the stack that packs efficiency and protection plus in little more than 2½x3½ feet of floor space.

*For example—just 16c a day provides protection for valuable drawings. That's figuring conservatively on 20 years of useful life for a Hamilton Unit System File containing one 10-drawer active file and three 5-drawer semi-active files.

Unit System Files are interlocking and combine to provide greatest safety and systematic access to:

- ACTIVE DRAWINGS  •  SEMI-ACTIVE DRAWINGS  •  INACTIVE DRAWINGS  •  SMALL-SIZE TRACINGS  •  STORAGE

For perfect filing of roll tracings, easily integrated Hamilton ModuCor Files can be stacked adjacent to Unit System Files.

Distributors of

ENGINEERING & DRAFTING supplies, paper and equipment

Service BLUE PRINT & PHOTO COPY CO.
710 PINE STREET • SAINT LOUIS 1, MO. • Chestnut 1-0688

APRIL, 1965
EYING INSTRUMENTS
ARCHITECTS AND ENGINEERS SUPPLIES
DRAFTING ROOM FURNITURE
REPRODUCTION EQUIPMENT
SURVEYING INSTRUMENTS
SENSITIZED MATERIALS
SCHOOL SUPPLIES
CLEARPRINT TECHNICAL PAPERS

- BLUE PRINTING
- WHITE PRINTING
- VACUUM FRAME WORK
- DUPLICATE TRACINGS
- CONTACT
- PHOTOGRAPHIC CLOTH
- MYLAR PAPER
- MICROFILM
- ENLARGEMENTS
- MIMEOGRAPH
- PRINTS
- MULTILITH PRINTS
- EKTALITH PLATES
- PHOTOGRAPHIC PLATES
- COMPOSITION

Commercial Blue Print and Photo Copy Company
has been serving the Greater St. Louis area for over
forty years. Our collective experience makes many
years of reproduction knowledge available to you.
Let us help you get the most out of our services
for the least money.
For Natural Beauty...

NATURAL STONE

Santa Fe Pattern

SANTA FE PATTERN

SOCORRO PATTERN

Quarried in New Mexico from recently discovered deposits LAVA is estimated to be thousands of years newer than other deposits and therefore much cleaner and burdened with far less impurities.

Santa Fe pattern, portrayed strikingly above, is richly textured material selected to a generally flat plane moderately convex or concave. This texture came about as each molten layer slid forward over another already cooled. Color is a dark brown ranging to brown to black, thus giving an assortment of pleasant brownish blacks.

Santa Fe Pattern averages 3½" to 4" in wall thicknesses. Also available in the Socorro Pattern, the "chunky" or "lumpy" version which also features the rich brownish blacks.

As seen in the church chancel pictured above, Lava emulates a strong hand-carved effect, still maintaining nature's rugged simplicity. More information on Lava is available from:

THE STONE CENTER

3200 BRANNON AVE. ST. LOUIS 39, MO. PR. 1-1000

APRIL, 1965
Writers nowadays spend too much energy on the subsidiary activities of talking and making money, which leaves them too little time for serious writing.

Today the country is flooded with cheap, trashy fiction, the general tendency of which is not only not educational, but is positively destructive. The desire to read this stuff is as demoralizing as the narcotics habit.  

— Ernest Hemingway

There are more instances of the abridgement of the freedom of the people by gradual and silent encroachments of those in power than by violent and sudden usurpation.  

— James Madison

Truth shuns not the light; but falsehood deals in sly and dark insinuations, and prefers darkness, because its deeds are evil.  

— Andrew Jackson
ARCHITECTS ORDERED REGISTERED BY THE STATE BOARD OF
REGISTRATION FOR ARCHITECTS AND PROFESSIONAL ENGINEERS

NOVEMBER 9, 1964

Allen, Norman G.  A-1865  305 S. Elizabeth
Bowman, Carl Ray  A-1654  281 N. Lindbergh,
Cox, David Ferol  A-1862  St. Louis, Mo. 63141
Creighton, Henry B.  A-1793  6654 Northwest 39th
Donaldson, Donald C.  A-1850  Expressway, Oklahoma City,
Edmonds, Robert E.  A-1930  Okla. 73008
Eilering, Ronald L.  A-1869  6252 Northwood Ave.,
Ford, Ronald W.  A-1919  St. Louis, Mo. 63105
Goff, Bruce Alonzo  A-1905  1205 Butler,
Graves, Dean W.  A-1954  Cape Girardeau, Mo.
Henrekin James Ronald  A-1924  R.R. 2, Box 169
Klaus, Clarence E., Jr.  A-1942  7443 Elm Avenue
Krepps, Robert Lee  A-1934  Maplewood, Mo. 63143
Landrum, Harold Joe  A-1951  5521 Sandpiper Dr,
Little, Robert O.  A-1916  St. Louis, Mo. 63136
Lloyd, Thomas Grant  A-1929  418 Commerce Trust Bldg.
Matthews, James W.  A-1864  Kansas City, Mo. 64106
Muennig, George Kaye  A-1952  5110 Main Street
Picker, Kenneth J.  A-1871  Kansas City, Mo.
Roelofsz, Robert E.  A-1775  25th & McGee Trafficway

ARCHITECTS ORDERED REGISTERED BY THE STATE BOARD OF REGISTRATION FOR ARCHITECTS AND PROFESSIONAL ENGINEERS

Sample, Sam Steele, Jr.  A-1867  462 Pasadena
Sarnoff, Robert Gordon  A-1931  7039a Dartmouth
Sovik, Edward Anders  A-1949-R  University City 30, Mo.
Steffan, George J.  A-1778  300 Water Street
Teter, W. Dwight  A-1953  Northfield, Minn.
Vachon, David A.  A-1917  712 Gerald
Valentine, William E.  A-1932  Ferguson 35, Mo.
Westenhaver, Keith G.  A-1773  7307 W. 72nd St.
Zay, Joseph J.  A-1855  21 Summit Ave.

JANUARY 18, 1965

Boyer, India  A-1965-R  6625 Ambar Ave.
Byrd, Thomas Swayne  A-1844  Cincinnati, Ohio 45230
Davis, Thomas Eugene  A-1956  508 North Main
Frank, Richard John  A-1963  Charleston, Mo.
Friedman, Hans A.  A-1955-R  9321 Reeder Road
Friend, William P.  A-1966-R  Overland Park, Kansas
Hammer, Herbert R.  A-1958  1113 South Pearl St.
Kaster, Roger A.  A-1961  Denver, Colo. 80210
Lapidus, Morris  A-1959-R  855 Fullerton Ave.
Monnot, Charles Lester, Jr.  A-1960-R  Chicago, Ill. 60614
Schuetz, Richard J.  A-1945  8943 South Euclid Ave.
Wasserman, Eugene  A-1968-R  Chicago, Ill. 60617
Wunsch, Billy Dean  A-1962  147 Jefferson Ave.

Miami Beach, Fla.

4415 North Western
Oklahoma City, Okla.
816 Kansas Ave.
Atchison, Kan. 66002
722 Michigan Ave.
Sheboygan, Wis.
711 Larson
Shawnee, Kansas
Instead of bringing life into the city, so that its poorest inhabitant will have not merely sun and air but some chance to touch and feel and cultivate the earth, these naive apostles of progress had rather bring sterility to the countryside and ultimately death to the city. Their “city of the future” is one levelled down to the lowest possibility of active, autonomous, fully sentient life: just so much life as will conform to the requirements of the machine.

—Lewis Mumford
<table>
<thead>
<tr>
<th>Name</th>
<th>Registration Number</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gingold, Benjamin A., Jr.</td>
<td>A-1894-R</td>
<td>814 Title Ins. Bldg, Minneapolis, Minn.</td>
</tr>
<tr>
<td>Hill, Alfred Dodge</td>
<td>A-1895-R</td>
<td>P.O. Box 18736, Oklahoma City, Okla. 73118</td>
</tr>
<tr>
<td>Kostecki, Leonard</td>
<td>A-1750</td>
<td>4421 Minnesota Ave., St. Louis 11, Mo.</td>
</tr>
<tr>
<td>Krweson, James W.</td>
<td>A-1888</td>
<td>2644 Melvin Ave., Brentwood 44, Mo.</td>
</tr>
<tr>
<td>Levin, Jack M.</td>
<td>A-1886-R</td>
<td>64 E. Jackson Blvd., Chicago 11, Ill.</td>
</tr>
<tr>
<td>Muldoon, John R.</td>
<td>A-1622</td>
<td>470 Burns Avenue, Kirkwood 22, Mo.</td>
</tr>
<tr>
<td>Stadelman, Richard Ryerson</td>
<td>A-1893-R</td>
<td>17505 Northlawn, Detroit, Mich., 48221</td>
</tr>
<tr>
<td>Bendixen, Warren E.</td>
<td>A-1889</td>
<td>845 Broad Avenue, Ridgefield, New Jersey</td>
</tr>
<tr>
<td>Bowen, Richard L.</td>
<td>A-1890</td>
<td>1990 Ford Drive, Cleveland 6, Ohio</td>
</tr>
<tr>
<td>Davis, Robert W.</td>
<td>A-1891</td>
<td>114 West Tenth, Kansas City 5, Mo.</td>
</tr>
<tr>
<td>DeLapp, John Michael</td>
<td>A-1904</td>
<td>1121 Westgate Avenue Oak Park, Illinois</td>
</tr>
<tr>
<td>DuVall, Kenneth Alyn</td>
<td>A-1692</td>
<td>8921 Grantway Ct., Crestwood 23, Mo.</td>
</tr>
<tr>
<td>Mauk, E. Gale</td>
<td>A-1900</td>
<td>7435 Riggs Lane, Overland Park, Kans.</td>
</tr>
<tr>
<td>Montgomery, Kenneth Ruppert</td>
<td>A-1902</td>
<td>803 Shellbark Rd., Anderson, Indiana</td>
</tr>
<tr>
<td>Reeb, F. Elmer</td>
<td>A-1899</td>
<td>1367 E. Sixth St., Cleveland, Ohio 44114</td>
</tr>
<tr>
<td>Simon, Max M.</td>
<td>A-1903</td>
<td>1841 Broadway New York 23, N.Y.</td>
</tr>
<tr>
<td>Smith, Bruce H.</td>
<td>A-1892-R</td>
<td>4268 N. Woodward Avenue, Royal Oak, Mich.</td>
</tr>
<tr>
<td>Smith, Douglas Clark</td>
<td>A-1901</td>
<td>1211 W. 25 Terr., Independence, Mo. 64052</td>
</tr>
<tr>
<td>Stevens, Guy B.</td>
<td>A-1898</td>
<td>340 Tower Drive, East Alton, Illinois</td>
</tr>
</tbody>
</table>

MISSOURI ARCHITECT
Q. WHO HAS REAL NEWS IN STEEL BUILDING PRODUCTS THIS YEAR?

A. GRANCO

FOR FLOORS AND ROOFS...

NEW CEL-WAY—The first in-floor electrification system with cellular-floor capacity for use in thin slabs over steel joists.

NEW A-E (Air-Electric) FLOOR—A compact floor system providing horizontal under-floor distribution of conditioned air and electrical services.

NEW COFAR COMPOSITE—Combined form and reinforcement for concrete slabs available with shear connectors for composite design.

CORRUFORMe—The original permanent steel base for concrete floor and roof slabs.

TUFCOR®—Galvanized tough-temper steel roof deck for lightweight, insulating concrete and built-up roof construction.

ROOF DECK—Steel deck for rigid insulation and built-up roof construction. Available painted or galvanized.

G-DECK—A deep-ribbed steel deck for roof construction and cantilever conditions.

U-DECK—A light-gage, multi-purpose galvanized steel deck for short spans.

FOR HIGHWAYS...

FUL-FLO® SUBDRAINS • GUARD RAIL • S-I-P® (Stay-In-Place) BRIDGE FORMS

FOR INDUSTRIAL BUILDINGS...


Our catalogs are filed in Sweet's. Distributors in more than 100 principal cities.

GRANCO / IMAGINATION IN STEEL

GRANCO STEEL PRODUCTS COMPANY, 6506 N. BROADWAY
ST. LOUIS, MISSOURI 63147. SUBSIDIARY OF GRANITE CITY STEEL COMPANY

... Daddy, never mind MY specifications... just list your sheet metal items under "Sheet Metal" in YOUR specifications!

MELTWORKING INDUSTRY

JAMES S. CRUMP
Executive Secretary
8301 Maryland, St. Louis, Mo. 63105
Phone: PA 5-1564

APRIL, 1965
That time of year thou mayst in me behold
When yellow leaves, or none, or few do hang
Upon those boughs which shake against the cold,
Bare ruined choirs, where late the sweet birds sang.

Come, Spring, for now all
Come, Spring, for now from all the dripping eaves
The spear of ice has wept itself away,
And though thy violet sicken into sere,
Lodge with me all the year! - Tennyson
Sun, space, and trees are the fundamental materials of city planning, the bearers of the "essential joys." Considering them thus, I wished to restore urban man to the very heart of his natural setting, to his fundamental emotions. Deprived of trees, he exists with only the artificial frame of his own creations; it is proper that sometimes, on certain solemn occasions, he should affirm in all their rigor the purity and strength of his geometries. But deprived of trees in part or in the whole extent of cities in innumerable cases where nothing is planned, where everything is disagreeable and brutal, it is sad to be thus naked and impoverished, lost in the insecurity of a faltering order, in the arbitrariness of a fatal disorder.

- Le Corbusier
The spray-applied membrane method of curing concrete. Carter-Waters manufactures a Hunt Process cure to meet all types of curing requirements.

Of all the curing systems, only membrane curing offers the simplicity and economy of a one step procedure... spray it and forget it.

Hunt Process is applied immediately after finishing or form stripping. The film seals in the moisture and permits proper curing without further attention of any kind.

Hunt Process cures are available in "Clear", where the natural concrete color is to be retained; in "Pigmented", to reduce solar heating of the fresh concrete; in "Black", for waterproofing and/or a bituminous prime coat as well as curing; and in "Tilt-Up", to act as a bond breaker and cure for tilt-up construction.

For added quality and protection, use Carter-Waters' air-entraining agent, Ad-Aire and the concrete surface sealant, Dek-Seal.

For detailed information on Hunt Process, Ad-Aire and Dek-Seal, just call or write.
FIREPROOFING
FOR THE LAZY

Zonolite® Mono-Kote® is a one step, direct-to-steel fireproofing material. It is sprayed on to the thickness required for the fire rating you want and that's all there is to it. You don't have to revisit the job again and again to see whether it's still the proper thickness after tamping, because it needs no tamping.

Zonolite offers such a broad range of fire ratings that you can specify it on almost every job. So take the lazy way out. Call your Zonolite representative for details today.

ZONOLITE

ZONOLITE DIVISION
W. R. GRACE & CO.

135 SO. LA SALLE ST., CHICAGO, ILL.
The Missouri Architect is the official journal of the Missouri Association of Registered Architects.

It is mailed to:
- Registered Architects in Missouri
- Consulting Engineers in Missouri
- College Libraries in Missouri
- Building Commissioners in major Missouri cities
- Major High School Libraries in Missouri
- Major Building Contractors in Missouri
- County Courts in Missouri
- Mayors of major cities in Missouri
- State Building Officials
- Architectural Students at Washington University

Write if you are not on the mailing list or if you change your address.

MEMBERSHIP

An architect is eligible for membership in the Missouri Association of Registered Architects if he is registered in Missouri and may reside in or out of the state of Missouri. A check made out to the MARA should be mailed to Mr. Paul Doll, Executive Director, MARA, 210 Monroe Street, Jefferson City, Missouri. Membership fee is $10.00 per year.

AFFILIATE MEMBERSHIP — Persons registered as Architects-in-training under the laws of the State of Missouri and in good standing on the records of the State Board of Registration for Architects and Professional Engineers shall be eligible for membership in the Association.
An artist must strive to achieve a balance between realism and stylization, between the poetry of his means and the truth of his subjects. Thereafter his path is clear and he can paint with infallible accuracy entirely from memory and imagination.

— Pablo Picasso
It is not often that a nation rebuilds its cities. And when it does, it should do it well. You will have in your hands in the years ahead a major part in shaping the urban life of this country. What you will do will influence the lives of millions yet unborn for decades to come. No other generation of architects had before it such an opportunity or such a challenge. America waits for your response.
- Dr. Robert C. Weaver, Administrator, Housing and Home Finance Agency.

I think that I shall never see
A billboard lovely as a tree.
Perhaps, unless the billboards fall,
I'll never see a tree at all.
- Ogden Nash

Beauty is the promise of function.
- Horatio Greenough

By day or by night, summer or winter, beneath trees the heart feels nearer to that depth of life which the far sky means. The rest of spirit, found only in beauty, ideal and pure, comes there because the distance seems within touch of thought.
- Richard Jefferies

Bite, frost, bite,
The woods are all the searer,
My spring is all the nearer,
You have bitten into the heart of the earth,
But not into mine.
- Tennyson
Clinton H. Cowgill
1735 New York Ave., N.W.
Washington 6, D. C.