

MISSOURI ARCHITECT

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President's Letter

Dear Members:

In this my second report to the membership, I wish to point out the fine response and participation of the new Board in our first meeting of July 17. Only one member was unable to attend. I believe this sets some sort of a record for recent meetings. One of the first items covered at the meeting was a report on the strike in Kansas City. Bill Linscott brought the Board up to date on the lack of progress to date and the disastrous consequences to the economy. At this time the news media indicate this will be resolved by the time you read this. Since the report, letters from our group have been sent to George Romney, Secretary of the Housing & Urban Affairs, Arthur Fletcher, Assistant Secretary of Labor on Wage and Labor Standards and Dr. Durward Hall, one of our Republican Congressmen of Missouri, as well as our Executive Vice-President at the Octagon.

Mr. George Kassabaum has accepted the chairmanship of a special Legislative Committee which is concerned about some bills proposed to be presented at the next meeting of our State Legislature. These proposed bills, in particular, have widespread effect on our profession. There is a meeting scheduled in Jefferson City in the middle of September which includes representatives from different engineering organizations, also concerned about this proposed legislation. We are also planning on working closely with the engineers on other matters and of primary concern and interest at this time is the Statute of Limitations Bill which we have been unsuccessful with in the past, while more and more adjoining states have passed legislation of this type.

Our first meeting of the Board was primarily an organizational meeting with an effort being made to pin point our goals and priorities for the coming year. By sending a letter to the Board listing ten goals and requesting the Board to assign priorities to these goals we now have a good idea as to what matters should receive our emphasis and energies.

Another major item brought up in our July Board meeting was a report from Roy Pallardy concerning the support of our group to Lincoln University in their efforts to establish a state supported school of architecture. It seems that after many years of work and effort we may be, at long last, in a position to obtain this goal.

Another item that should be brought to your attention is the progress being made on chartering a Mid-Missouri Chapter of the American Institute of Architects under the chairmanship of Seth Evans. It would appear that this group has the blessing of the MCA Board and as far as I know there is no objection at this time from anyone concerned, due to the large number of corporate members in this Central part of the state.

It would seem to me that our merger into a state organization of the American Institute of Architects has even greater potential than we anticipated. There is cooperation and coordination of efforts of all the three chapters in the state now and we can expect, and have been receiving, advice and help from our National organization. There is also a great potential for our state publication, The Missouri Architect, and one of our goals is to make this an even better publication for our membership.

Continued on page 15



The Editor Observes:

Whereas it is now the Vogue thing to do, i.e., strike for demands without regard for one's ability to accomplish anything more than show up on the job, I suggest architects strike for the following so we are not left out of the main stream of life.

1. All fees 25% payable in advance.
2. Retirement after 10 years practice with guaranteed net income of \$50,000 (based on construction non-skilled laborers' scale) plus \$5,000 per year increase for cost of living.
3. No liability of any kind.

4. All construction to be performed by tradesmen to architect's whims and wishes without regard to content of plans and specifications.

The above satire expresses my feeling regarding the demands of all fields of organized labor during the past several years.

What has happened to man's self respect regarding his ability to perform a task well and then receive just compensation. I grant, that the labor force was victimized prior and during the industrial revolution and by organizing it created a balance, that resulted in a standard of living for all, that no other country past or present has ever experienced.

By virtue of its strength and size in numbers organized labor now makes demands on the country's economy that gives no thought to man's common sense or his ability to contribute to his own well being. By using the strike as a big stick in an attempt to make others succumb to their demands, they refuse to work for prolonged periods thus losing income, savings and in the end result a lower economic status than previously prevailed.

In conclusion may we as architects, members of one of the oldest and most time-honored professions retain our dignity and self respect, setting our standards of performance ever higher and not fall into the main stream of life, of demanding without regard to our ability. Charge your client fairly and provide a service you can be proud of, the end result a piece of architecture a credit to our nation and our profession.

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MISSOURI ARCHITECT

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THE COVER - Table Rock Dam has obliged the members of MCA by backing up several trillion gallons of water for a lake on which to stage a convention. MCA members will enjoy this water recreation area next May 7-9 at Kimberling City.



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... Progress Marks July Board Meeting

A real possibility of achieving a state school of architecture, selection of key standing committees, organization of a Mid-Mo. Chapter, development of a new schedule of minimum fees, and positive action to bring an end to the Kansas City construction laborers' strike highlighted MCA's July 17th board meeting.

Roy J. Pallardy reported that Lincoln University, Jefferson City, sought the organization's cooperation in inaugurating architectural courses as a first step toward a complete, accredited school of architecture.

Lincoln U. is a part of Missouri's university system. Faculty contacts with Pallardy and Seth Evans had led to a July 16th meeting between University officials and architects Pallardy, Evans, Forest Capps, Glen Drew and Richard Henmi. Following a report of this meeting, the MCA board voted to endorse the idea and give all possible assistance, professional support and guidance to the endeavor.

The board approved standing committees on governmental relations, relations with the building industry, education, and awards. Appointments to these and other committees are shown below.

In addition, special committees were appointed to review and make recommendations regarding proposed legislation by the American Institute of Planners, to pursue the project of establishing a Mid-Mo. Chapter of A.I.A., to produce a set of recommended minimum fee schedules for use by all of the Missouri Chapters, and on By-Laws.

In addition, the board heard an up-to-date report from William M. Linscott on the prolonged construction laborers' strike in Kansas City which was taking a devastating toll of the area's entire economy.

Linscott outlined the contents of a letter he had sent Arthur A. Fletcher, Assistant Secretary of Labor for Wage and Labor Standards, U.S. Department of Labor.

In his letter, Linscott had pointed out that in the course of seeking to promote a solution in the current strike, he had had an opportunity to talk to many construction tradesmen, some labor leaders that he felt responsible and very knowledgeable, many members of the various construction contractor groups, as well as politicians and businessmen in the area. "My thoughts," he said, "are the result of ideas and impressions received from many people. From the political standpoint, it would be my feeling that the legislative solution should be directed at protecting the rights of the individual union member and promoting responsible unionism."

"It seems to me," he said, "that the construction unions constitute a privileged franchise, and in return for this monopoly they should act within the framework and under the supervision of a public commission, which would insure that it acted within the best interests of its members. Precedents for such a commission would be the Securities Exchange Commission, Federal Trade Commission, Federal Communications Commission, Interstate Commerce Commission, etc."

He listed six items that he believed the commission should supervise to protect the rights of workers and promote stability in the industry:

1. Strikes could only be instigated on a majority vote of at least 50% of the union's membership on a secret ballot.
2. All offers judged by the commission to be significant in a dispute can only be accepted or rejected by a majority vote of 50% of the union membership on a secret ballot.

3. Union membership must be open to anyone qualifying in the skills represented by that union. Qualifications should be approved and tests supervised.
4. Any case regarding the denial of a union card must be approved by the commission.
5. All unions directly affecting the construction industry should negotiate collectively and at the same time every three years with all organizations representing the contractors, who also would have to negotiate collectively.
6. Management of union pension funds would be audited by the commission.

The basic idea, Linscott emphasized, is to return control of the unions to the working men—to guarantee their rights, not to reduce them. "As architects, we depend upon a healthy, intelligent, and well-paid construction labor force. At the present time the whole construction labor-management negotiation system has broken down and both sides, as well as the general public in the entire region, are suffering as a result," he said.

The board voted that Linscott's letter be sent each of the AIA Chapters with recommendations they convey the thoughts expressed to their Congressmen, to the American Institute of Architects, and to the Secretary of Housing and Urban Development, George Romney.

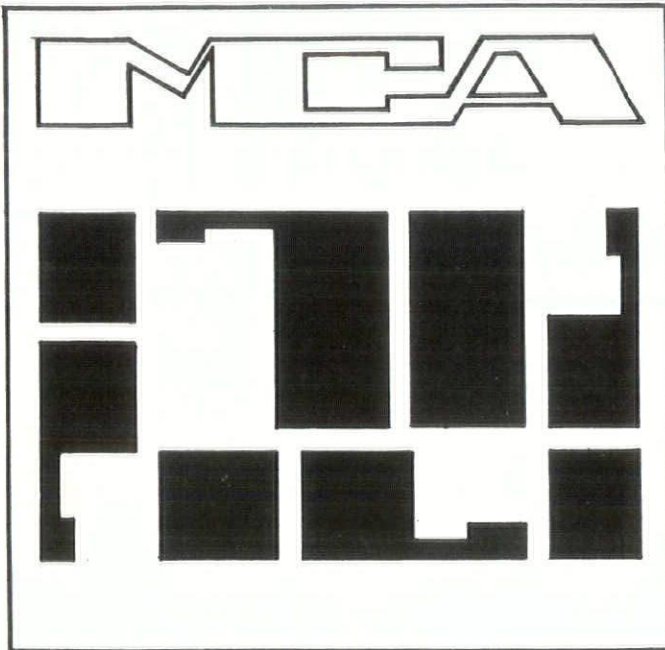
- 1970 MCA COMMITTEES -

Standing

Governmental Relations: David M. Brey, Robert Marshall
Relations With Building Industry: Dwight Horner, Edwin C. Waters
Education: Roy J. Pallardy, Chairman, Peter Keleti, Richard P. Stahl
Awards: Joseph J. Oshiver, Gary Bourgeois

Special

Architect's Day: Burns Derrough, Chairman, Joan Derrough, Co-Chairman
Mid-Missouri Chapter: Seth Evans, Chairman, Robert Koppes, I. Dale Allmon
By-Laws: Herbert E. Duncan, Jr., Chairman, Gene E. Lefebvre, Migdonio Seidler
Fee Schedule: Chapter Presidents, I. Dale Allmon, Chairman, Kenneth M. Schaefer, William M. Linscott
Planner - Legislation: George Kassabaum, Chairman, R. C. Dragoo, Wayne D. Johnson, John C. Morley
Legislation: James W. Matthews, Chairman, John Paulus
Membership: Kenneth E. Coombs, Chairman



... Plans Underway for Architect's Day '71

Plans are already underway for Architect's Day 1971. The Springfield Chapter AIA is in charge of the event and all members are going all out to make this a Convention to remember! Dates are May 7,8,9, 1971.

Site chosen for the meeting is the Holiday Inn at Kimberling City in the exciting Table Rock Lake Area. Nearby is the famed Silver Dollar City, location of several episodes of TV's Beverly Hillbillies, and the Inn is located on the magnificent Table Rock Lake.

Silver Dollar City is a reproduction of an 1880 city complete with blacksmith shop, authentic Butterfield stagecoach, flooded mine, and production by craftsmen of past years of pottery, lye soap, candles and many other early day necessities. A special treat every evening is a renewal of the Hatfield and McCoy clans feud and a real "shoot-out" in the city.

Silver Dollar City is a remarkable place. Fishing and water sports on the three linking lakes, Table Rock, Taneycomo and Bull Shoals are excellent. Architects and their wives will have an outstanding vacation in addition to the battery of speakers and the discussions planned to keep Missouri Architect's on top of new developments in the profession.

Working committees already appointed are:

Architect's Day - Burns Derrough, Chairman, Joan Derrough, Co-Chairman

Registration & Printed Material - Gary Bougeois, Marie Young

Women's Luncheon & Tours - Ruth Marshall, Harry Rowe

President's Reception (Friday) & Social Hour (Saturday) - Vern Hillman, Jean Hawkins

Banquet & Dance - Bob Engle, Dick Stahl, Maridee Devore

School of the Ozarks & Sunday Activity - Walter Haskew, Meg Johnson

"Come to the Ozarks!"

"When God looked upon th' work of his hands an' called hit good, he war sure a lookin' at this here Ozark country. Rough? Law yes! Hit war made that a way on purpose. Ain't nothin' to a flat country nowhow. A man jes naturally wear hisself plumb out a walkin' on a level 'thout ary down hill t' spell him.

"An' then look how much more there is of hit! Take forty acres of flat now an' hit's jest a forty, but you take forty acres o' this here Ozark country an' God 'lmighty only knows how much twould be if hit war rolled out flat. 'Tain't no worder 't all God rested when he made these here hills; he jes naturally HAD 'to quit, fer he done his beatenest an' war plumb gin out."

- from *Shepherd of the Hills*
by Harold Bell Wright

When you're down in nature's own paradise, the Ozarks, it is helpful to be able to communicate with the natives. To help in this endeavor, Springfield author Dale Freeman has written a book, "How to Talk Pure Ozark in One Easy Lesson." At right are some of the translations.

How to Talk Pure Ozark!

ADAM - The adam bomb is gonna blow us all to hail.

CISTERN - Cistern me went to the movie-show.

FAR TAR - Fire tower; what the foresters look off of to keep the countryside from going to the blazes.

NEW MONIE - A lung ailment, more serious than a varrus.

PIE ANNA - Musical instrument; the teacher learned him to play the pie anna when he was jist a young'un.

WAR - Don't tear yore britches on that bobbed war.

From "How to Talk Pure Ozark in One Easy Lesson" by Dale Freeman, \$1, H-F Enterprises, Box 3039 Glenstone Station, Springfield, Mo. 65804.

SPECIAL: Because it was felt that all regulations of the Missouri Board for Architects, Professional Engineers and Land Surveyors would be of interest and value they are reprinted here in full.

REGULATIONS OF THE MISSOURI BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS AND LAND SURVEYORS

REGULATION 70.1. The following regulations are hereby adopted as the regulations of the Missouri Board for Architects, Professional Engineers and Land Surveyors and its respective divisions, in lieu of all regulations heretofore adopted by the Board.

BOARD MAY DEFER ACTION ON APPLICATIONS

REGULATION 70.2. The Board, on its own Motion, may continue or defer action on any pending application and nothing in these regulations shall be construed as limiting the authority of the Board in such matters.

DENIAL - RIGHT TO RECONSIDERATION

REGULATION 70.3. Each applicant whose registration has been denied shall be notified of the fact in writing prior to the date of the next regular Board Meeting. Each such applicant shall have the right to a reconsideration of his application.

NON-RESIDENTS

REGULATION 70.4. An applicant for registration as an Architect, Professional Engineer or Land Surveyor who is a non-resident of this state, shall not be denied registration in this state solely for the reason he is not registered in the state of his residence. Before any such non-resident shall be registered in this state, he shall submit to the Board a satisfactory explanation of his lack of registration in the state of his residence.

FEES - HOW REMITTED - NOT TO BE REFUNDED

REGULATION 70.5. No remittances to the Board shall be made by cash. No fee, or part of any fee, paid by any applicant for examination and registration can be returned to the applicant, either in the event of his failure to take the examination, or in the event of his failure to pass the required examination, if and when given.

OFFICIAL SEAL OF BOARD

REGULATION 70.6. The official seal of the Missouri Board for Architects, Professional Engineers and Land Surveyors shall consist of the Great Seal of the State of Missouri, minus the words "The Great Seal of the State of Missouri," and in substitution for which words shall be the words "Board for Architects, Professional Engineers and Land Surveyors," divided by the word "Missouri," all said words engraved and surrounded by a cord-like circle within a fringed circle, and of the dimensions of two and one-quarter inches (2 1/4") in diameter.

REGISTRANT'S SEAL - ARCHITECTS, ENGINEERS AND LAND SURVEYORS

REGULATION 70.7. Each registered Architect shall, at his own expense, secure a seal one and three-quarters inches (1 3/4") in diameter of the following design, to-wit: Said seal shall consist of two concentric circles between which shall appear in Roman capital letters, the words "State of Missouri" on the upper part of the seal, and "Registered Architect" on the lower part, and within the inner circle shall appear the name of the registrant, together with his register number preceded by the Roman capital letter "A."

REGULATION 70.8. Each registered Professional Engineer shall, at his own expense, secure a seal one and three-quarters inches (1 3/4") in diameter of the following design, to-wit: Said seal shall consist of two concentric circles between which shall appear in Roman capital letters, the words, "State of Missouri" on the upper part of the seal, and "Registered Professional Engineer" on the lower part, and within the inner circle shall appear the name of the registrant, together with his register number preceded by the Roman capital letter "E."

REGULATION 70.9. Each registered Land Surveyor shall, at his own expense, secure a seal one and three-quarters inches (1 3/4") in diameter of the following design, to-wit: Said seal shall consist of two concentric circles between which shall appear in Roman capital letters, the words, "State of Missouri" on the upper part of the seal, and "Registered Land Surveyor" on the lower part, and within the inner circle shall appear the name of the registrant, together with his register number preceded by the Roman capital letters "LS."

RESPONSE TO LETTERS

REGULATION 70.10. Letters relating to routine matters shall be answered by the Secretary-Treasurer over the printed or typewritten signature of the Board and signed by the Secretary-Treasurer. Letters requiring Board action shall be referred to the Board.

HANDLING OF LAND SURVEYING MATTERS

REGULATION 70.11. All matters pertaining to land surveyors shall be handled by the Professional Engineering Division of the Board.

TIME LIMIT FOR ENGINEER-IN-TRAINING TO FILE FOR REGISTRATION

REGULATION 70.12. An applicant who passes Part I of the engineering examination and is enrolled as an engineer-in-train-

ing, must file his application for registration as a professional engineer within eight (8) years after being so enrolled, or must retake and pass Part I of the engineering examination.

NO SPECIAL EXAMINATIONS TO BE GIVEN

REGULATION 70.13. Examinations administered by the Board shall be given at times and places established by the Board; no special examinations will be conducted.

RE-EXAMINATION - ENGINEER-IN-TRAINING APPLICANTS

REGULATION 70.14. An applicant for enrollment as an engineer-in-training who fails the original examination may be allowed to be re-examined at the discretion of the Board and shall pay Ten Dollars (\$10.00) for such re-examination.

DEADLINE FOR FILING APPLICATIONS

REGULATION 70.15. All applications for examination and enrollment as an engineer-in-training shall be filed with the Secretary-Treasurer of the Board at least thirty (30) days before the date set for the examination.

REGULATION 70.16. All applications for examination and registration as an architect, architect-in-training, professional engineer or land surveyor shall be filed with the Secretary-Treasurer of the Board at least ninety (90) days before the date set for the examination.

STANDARDS FOR ADMISSION TO EXAMINATIONS - ENGINEERS AND LAND SURVEYORS

REGULATION 70.17. Before being admitted to examination, an applicant for registration as a professional engineer shall have such knowledge, skill and experience as in the discretion of the Board would indicate that the applicant is qualified to be placed in responsible charge of engineering work.

The minimum length of experience required of the applicant, based on education, shall generally be as follows:

YEARS & KIND OF EDUCATION	MINIMUM ENGINEERING WORK EXPERIENCE
Engineering MS	3 years
Engineering BS, ECPD Accredited	4 years
Engineering BS, 4-years Non ECPD Accredited	4 1/2 years
Engineering BS, 3-years Non ECPD Accredited	5 1/2 years
Non-Engineering BS (Mathematics, Sciences)	6 years

REGULATION 70.18. Before being admitted to examination, an applicant for registration as a land surveyor shall have such knowledge, skill and experience as in the discretion of the Board would indicate that the applicant is qualified to be placed in responsible charge of land surveying work.

The minimum length of experience required of the applicant, based on education, shall generally be as follows:

YEARS & KIND OF EDUCATION	MINIMUM LAND SURVEYING WORK EXPERIENCE
Surveying BS, Approved	2 years
Surveying BS, Non-approved	4 years
Engineering BS, ECPD Accredited	2 years
Engineering BS, Non ECPD Accredited	4 years

EXAMINATIONS - ENGINEERS

REGULATION 70.19. The engineering examination shall consist of two parts. Each part of the examination shall consist of two (2) four-hour sections. Any re-examination shall consist of all of Part One or Part Two, as the case shall require.

Part One of the engineering examination shall be in mathematics and basic sciences.

Part Two of the engineering examination shall be in theory and practice of engineering.

STANDARDS FOR ADMISSION TO EXAMINATIONS - ARCHITECTS

REGULATION 70.20. Standards for admission to architectural examination shall be as follows:

- (a) **CRITERIA FOR EDUCATION AND EXPERIENCE:** An applicant for registration as an architect shall have knowledge, skill, and experience as in the discretion of the Board would indicate that the applicant is qualified to be admitted to examination. Among the criteria for evaluating satisfactory qualifications to examination may be the education, training and experience equivalents of the National Council of Architectural Registration Boards current edition "Circular Containing Standards for Admission to Examination," and such other experience as the Board may determine.
- (b) **PROOF OF EXPERIENCE OF GRADUATE ARCHITECTS:** Every graduate from a fully accredited five year course in a school of architecture approved by the Architectural Division who shall apply for architectural registration shall submit with and as a part of his application, a weekly record or log of his architectural experience of not less than 156 weeks immediately prior to his application. Every graduate from a fully accredited six year course in a school of architecture approved by the Architectural Division who shall apply for architectural registration shall submit with and as a part of his application, a weekly record or log of his architectural experience of not less than 104 weeks immediately prior to his application. Every such record or log shall be witnessed by the signature of a registered architect having personal knowledge of such experiences. In addition to the experience log, there shall also be included in the application a chronological list of experience record from the time of his graduation and prior to the period of his log.
- (c) **PROOF OF EXPERIENCE OF NON-GRADUATE ARCHITECTS:** Every non-graduate applying for architectural registration shall submit with and as part of his application, a weekly record or log of his architectural experience covering a period of not less than 208 weeks immediately prior to his application. Every such record or log shall be wit-

nessed by the signature of a registered architect having personal knowledge of such experience. In addition to the experience log there shall also be included in the application a chronological list of the education and experience the applicant claims prior to the period of his log which will furnish an additional total of four (4) years experience.

EXAMINATIONS - ARCHITECTS

REGULATION 70.21. The architectural examination shall consist of two (2) parts, and each part may be divided into such sections as set forth by the Board. Each year the Board shall advise all applicants as to the scope of each part of the examination. The Board may change any section or part of such examination as it deems necessary.

REGULATION 70.22. The architectural examination shall consist of two (2) parts as required by Regulation 70.21. Each part of the architectural examination shall be divided into four (4) sections as follows:

Part I.

Section C. History and Theory of Architecture.
Section D. Site Planning.
Section G. Structural Design.
Section I. Building Equipment.

Part II.

Section E. Architectural Design.
Section F. Building Construction.

Section H. Professional Administration.
Section B. Personal Audience.

Each part of said examination may be taken as set forth in Section 327.151, Revised Statutes of Missouri.

All applicants are required to take all sections for which they are qualified and eligible.

All applicants who apply to take Part I under Section 327.151(4) Revised Statutes of Missouri are required to pass all sections of Part I within the allowable time for passing Part II of the examination. Any applicant who fails to do so will be required to submit for re-examination on all sections of both Parts I and II.

The allowable time for passing Part II is defined as the period for taking the original Part II examination plus two re-examinations.

All applicants who fail to pass all sections of the examination within the allowable time will be required to be re-examined for all sections of both Parts I and II of the examination.

REGULATION 70.23. No person shall be admitted to the examination for registration as an architect if he has an application pending for initial registration in another state, unless such applicant has changed his residency to Missouri since filing such original application.

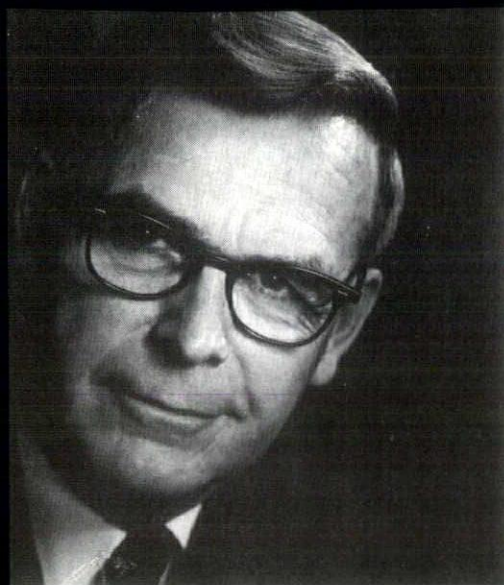
REGULATION 70.24. The two-year period allowed for taking Part I of the examination for Architect-in-Training or Engineer-in-Training may be extended for those graduates who serve in the Armed Forces of the United States for the period of such service.

NOTE: Regulations 70.1 to and including 70.21 effective April 16, 1970.

Regulations 70.22 to and including 70.24 effective April 25, 1970.



"YOU ARE INVITED
TO THE MCA CONVENTION MAY 7-9, 1971"



ROBERT F. HASTINGS, FAIA

Robert F. Hastings, FAIA, of Detroit, has been elected President of The American Institute of Architects, succeeding Rex Whitaker Allen, FAIA, of San Francisco. Mr. Hastings will be inaugurated at the December meeting of the Institute's Board of Directors.

Other officers elected by AIA members meeting in Boston at the 102nd Convention of the 24,200-member national professional society are: First Vice President (President-elect) - Max O. Urbahn, FAIA, of New York City; Vice President (three) - Richard M. Bennett, FAIA, of Chicago, Robert J. Nash, AIA, of Washington, D.C., and George M. White, AIA, of Cleveland.

Preston M. Bolton, FAIA, of Houston, was reelected Secretary for a second two-year term, and Rex L. Becker, FAIA, St. Louis, will continue as Treasurer, a two-year post.

Mr. Hastings, president of the Detroit architectural firm of Smith, Hinchman & Grylls Associates, Inc., served for the year as First Vice President and previously as Vice Presi-

Rex L. Becker Continues As A.I.A. Treasurer



REX L. BECKER, FAIA

dent, Treasurer, Chairman of the Council of Commissioners, and as a member of the Executive Committee. A registered architect and engineer and a past President of the Detroit Chapter, AIA, he was awarded the Gold Medal of the Michigan Society of Architects in 1965.

Six members elected to the AIA's Board of Directors by their regional members are: Carl L. Bradley, AIA, Bradley and Bradley, Architects, Inc., Fort Wayne, Ind., East Central States Region; Max Flatow, FAIA, Flatow, Moore, Bryan & Fairburn, Architects-Engineers-Planners, Inc., Albuquerque, N.M., Western Mountain Region, and James J. Foley, AIA, Kellan and Foley, Architects, Columbus, Ohio, Ohio Region. Also, Hugh McK. Jones, FAIA, Office of Hugh Jones, Architect, Guilford, Conn., New England Region; Louis R. Lundgren, AIA, Haarstick Lundgren and Associates, Inc., St. Paul, Minn., North Central States Region, and Darrel D. Rippeteau, AIA, Sargent-Webster-Crenshaw & Folley, Architects-Engineers-Planners, Watertown, N.Y., New York Region.

Written Examination Schedule Announced

Dates for the 1970 written examination for architect licenses in Missouri were announced recently by the registration board.

Formerly held in September, this year's examination has been scheduled for December 15-18.

The composition of the four day examination will be the same as last year, and it will be conducted in Jefferson City. The total examination period is 36 hours.

The first two days may be taken by graduates from accredited schools of architecture within two years after graduation.

The full examination is currently available to graduates with three years of practical architectural experience, or to non-graduates with eight years of experience.

Applications must be filed ninety days prior to the examination in order to qualify. Forms are available only from the board office in Jefferson City, and requests should be addressed to P.O. Box 184, Zip Code 65101.

1970 EXAMINATION SCHEDULE

First Day

Tuesday, December 15

Morning - History and Theory of Architecture, 4 hours

Afternoon - Site Planning, 5 hours

Second Day

Wednesday, December 16

Morning - Structural Design, 5 hours

Afternoon - Building Equipment, 4 hours

Third Day

Thursday, December 17

All Day - Architectural Design, 12 hours

Fourth Day

Friday, December 18

Morning - Building Construction, 3 hours

Afternoon - Professional Administration, 3 hours

In addition to the 36 hours of written examination, a Personal Audience examination is required of each applicant. This is given at a later date by appointment determined by various members of the board.

School Building Programs And Services

By

HOWARD L. MILLER, DIRECTOR
SCHOOL BUILDING SERVICES,
STATE OF MISSOURI

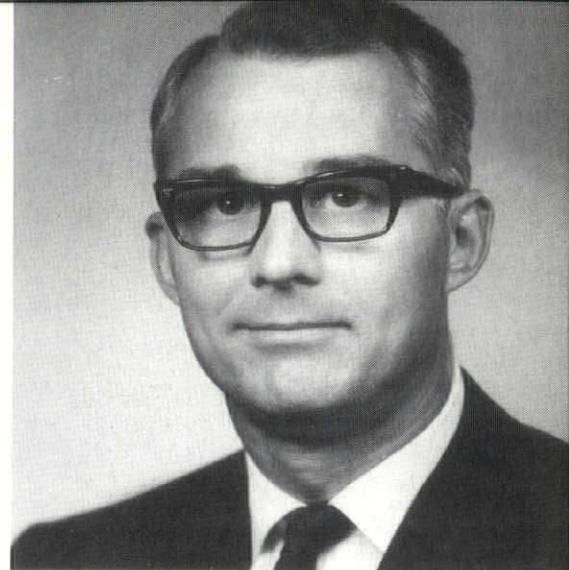
The need for additional and improved school plant facilities continues to be one of the major problems confronting many of the school districts in Missouri. School officials must therefore be concerned with determining those needs, and developing plant expansion and improvement programs which will satisfy them.

In establishing the plant needs of a school district, it is essential that an examination and analysis be made of those factors which definitely influence the kind and extent of facilities required. These major factors are as follows:

1. Present and estimated enrollments by grades, schools and divisions of the school system.
2. Scope and quality of present education programs and anticipated changes during the next few years.
3. Present methods and possible changes in conducting and directing the teaching and learning processes.
4. Evaluations of existing plant facilities for determining their continuing use with or without adaptations.
5. Services presently provided pupils and staff and projected changes.

Development of a school plant program that will meet these established housing needs requires: first, a complete and detailed examination and evaluation of existing facilities for the purpose of determining the extent of expansions and improvements which must be made in them to continue their use of satisfying all or part of the housing needs; second, planning and constructing new facilities, separate from existing ones, which will incorporate those immediate and long-range housing needs not included in the program of expansions and adaptations of existing housing facilities.

In addition to developing and implementing programs for acquiring new and improving existing plant facilities, school officials are concerned with the problems involved in operation and maintenance in an effective and economical manner. While the schools of Missouri have reduced expenditures for these purposes during the past twenty years from approximately 12 percent to 9 percent of total annual school costs, the amount represents a considerable sum which should be utilized for the purpose of maintaining plant facilities in such a manner that the physical environment will enable the teaching and learning processes to function effectively.



HOWARD L. MILLER

Programs of maintenance and operation must also be planned and implemented for the purpose of protecting the investment which districts have in physical facilities. The mechanical and structural complexities of modern school plants require constant care by skilled and semi-skilled workers and failure on the part of a district to provide such care can result in expensive repairs and replacements.

The school plant provides the physical environment in which the teaching and learning processes take place. Planning and constructing facilities which promote these processes in the most effective manner challenges the imagination and ingenuity of school officials and all others concerned with acquiring, operating and maintaining school plants.

In planning and implementing a school plant program school officials may find it desirable to organize the procedure around the following major activities:

1. Examine carefully the objectives and philosophy of the school system to determine the kind of plant facilities that will effectively contribute to their realization.
2. Complete a comprehensive school plant survey which will include the following phases:
 - a. Analysis of enrollment trends for a specific number of years including estimated enrollments for some years in the future.
 - b. Consideration of scope and quality of educational programs and services presently provided and probable changes which will or should be made in the future.
 - c. Evaluation of existing plant facilities in terms of their adequacy and desirability for continuing use in housing programs and services, and protection of the health and safety of occupants.
 - d. Determination of the type and extent of plant facilities which will provide the immediate housing needs and fit into a proposed long-range building program.

- e. Development of a program for financing the proposed improved and expanded plant program.
 - f. Recommendations for implementation of the program that are realistic and feasible for the district in terms of its available resources.
3. Prepare detailed educational specifications for each project which incorporate those educationally desirable features that will be useful to the design professionals in planning facilities that promote rather than hinder the desirable functioning of the teaching and learning processes.
 4. Employ the design professionals early so that their services will be available from the initiation of planning activities through construction and occupancy of the plant facilities.

Services provided by state department of education personnel are primarily consultative and advisory in character. These services are designed to assist local school officials in obtaining the kind and quality of plant facilities that will provide the physical environment in which teaching and learning can be efficiently and effectively done. At the request of local school authorities assistance is provided in the various areas of planning and construction of new plants and the remodeling and modernization of existing ones. Assistance is also provided in the selection and installation of new buildings and instructional equipment essential in creating and maintaining certain features of a desirable environment, and for facilitating the instructional program and learning activities.

Staff members make comprehensive plant surveys, when requested to do so by local school officials, which serve the districts as guides in formulating their own programs of plant expansion and improvement. Services of an advisory character are also available to those districts utilizing their staff in making school plant surveys.

Plant operation and maintenance surveys which evaluate both effectiveness and economy are made at the request of local school authorities.

Assistance is also given local school officials, when requested, in determining the amount and kind of insurance coverage that should be provided for adequate and economical protection of buildings and equipment.

Schools for the training of custodial and maintenance workers are organized and operated by the state department of education at various cooperating public school and state college centers in the state during the summer vacation period. The programs offered in the training schools are designed to upgrade the quality of work performed by custodial and maintenance workers by acquainting them with updated methods in the care, upkeep and protection of school owned properties, and ways to better safeguard the health and lives of those occupying school buildings.

The approval of plans and specifications for all building projects in which any state and/or federal funds are paid constitutes the principal regulatory function of the building services section of the department. Such approval is required by law. In evaluating and approving these building

instruments, particular attention is given to spatial allocations for the operation of the educational program and services which are to be housed in the structure, location of instructional and school service spaces in relation to each other and to the additional noninstructional spaces provided. Attention is also given to the kind and quality of interior finishes specified for all areas of the building and provisions incorporated for protection of the health and safety of occupants. Particular attention is given to provisions for protecting pupils from fire hazards.

Another function of the building services section of the department of education is to arrange for the payment of state building aid due districts as a result of abandonment of rural buildings and the construction of new central high school buildings.

Legislation has been enacted making it mandatory that school buildings be constructed to obviate hazards to individuals with physical disabilities. Criteria for the implementation of this legislation have been developed by the section on school building services and copies are available upon request.

Pentagon Launches Test of New A-E Selection Procedures

The Defense Department announced on August 24 a one-year "experiment" with a new method of contracting for architect-engineer services which requires the submission of technical proposals and price estimates.

Under the new procedure, the government will be required to solicit proposals from A-E firms on a two-envelope basis. The first envelope will contain the technical proposal and the second envelope will contain lump sum price estimates. After evaluating the technical proposals, the selection board will rank the firms in order of preference on the basis of qualification. Following a review of the price estimates, the board may re-rank the firms to reflect price considerations.

This method of selection differs from the method presently prescribed in the Armed Services Procurement Regulation (ASPR) whereby a selection board without reviewing technical proposals or price estimates recommends, in order of preference, a minimum of three firms for approval for contract negotiations.

The test, which commenced on September 1, will be conducted in the Army Engineer District, Sacramento, California, and the Southern Division of the Naval Facilities Engineering Command in Charleston, South Carolina.

A-E's Attack DOD Procurement Test

The AIA and five other national engineering societies have advised Assistant Secretary of Defense Barry J. Shillito of their "unequivocal opposition" to the Defense Department's "test" of a new method of architect-engineer selection.

In objecting to the procedure, Elmer K. Timby, chairman of the Committee on Federal Procurement of A-E Services (COFPAES), told Mr. Shillito that the experiment cannot have any validity because it does not provide a method of permitting totally objective evaluation of results, and it does not provide stringently controlled conditions with established norms over a period sufficient to provide conclusive results.

Continued on next page

Florida Courts Render Opposing Design Decisions..

Two Florida courts have reached completely opposite conclusions on the right of engineers to design buildings.

In a decision issued on July 9th, Judge Archie M. Odom of the 20th Judicial Circuit said that the Florida statutes recognize a difference between the two professions, namely that "architecture has to do with buildings where people are the prime consideration, and engineering has to do with projects where material is the prime consideration."

Although recognizing a "gray area," where the two professions do come together, Judge Odom concluded that in the case before him (an apartment house) the building was "primarily people oriented, consequently it is the work product of architecture rather than engineering. (Fla. State Board of Architecture v. MacDonald).

On July 29th, however, the Florida District Court of Appeal concluded that an engineer was within his legal right in designing a shopping center, which the court said was a building. The overlap between the two professions is well recognized, the court said, noting that the registration laws in both cases refer to the design of "buildings" in the definitions.

On this basis, the court held that either an architect or an engineer can design any kind of building provided that a P.E. cannot represent himself as an architect nor can an architect represent himself as a P.E. In rejecting the argument of the architects' board that a "necessary implication" of the statutory language means that the engineer is limited to buildings of an industrial nature, the court said that if the legislature had intended such a difference it would have explicitly so stated in the statutes. (Fla. State Board of Architecture v. Alex Verich et al.)

Either or both decisions may be appealed to higher courts.

Arkansas Supreme Court Upholds Statute of Limitations Illinois Rejection...

The Supreme Court of Arkansas has upheld the constitutionality of a special statute of limitations for engineers, architects and contractors. The decision is particularly important in view of the previous rejection of a similar statute in Illinois by that state's supreme court.

The Arkansas high court said that it could not apply the reasoning of the Illinois Supreme Court that such a statute is discriminatory as to others not named in the law. Noting the "vital distinction" that the statute does not apply as between owners or suppliers and those engaged in the professions and occupations of design and building, the court said: "To say that there can be no limitation in perpetuity against a designer or erector of a structure would be in effect to discriminate against professional builders and designers. Whether three years, four years or five years - or more or less - is the correct or appropriate period, should not and cannot be the concern of the judiciary. We only must determine whether the legislature has acted reasonably in respect to their mandate from the people as set out in the Constitution."

The case arose when suit was filed against a company which manufactured and installed an elevator in the Justice Building, and the elevator company joined the architects and elevator shaft contractor. The Justice Building was substantially completed in 1958 and a newspaper delivery boy was crushed to death in 1968 while attempting to use the elevator. The defendants pleaded the Arkansas four-year statute of limitations (Carter v. R. E. Hartenstein, No. 68666, June 24, 1970.)

Meanwhile, Delaware has become the latest state to adopt a special statute of limitations for engineers, architects and contractors. The Delaware law lists a period of six years following completion of the project. It thus becomes the 36th state to adopt such a statute based on a "model law" developed by NSPE, AIA and AGC.

- Reprinted from
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Sept. 1970 Issue

DOD, from page 12

Timby also pointed out that the test was contradictory to the intent of Congress that price not be included in DOD procurement of A-E services. This position was set forth in the House-Senate Conference report on the 1969 Military Appropriations bill and was reaffirmed by the August 12 House Government Operations Committee approval of the Brooks' Bill (HR 16443).

Timby said that the DOD action "is neither appropriate nor beneficial to the best interests of the government or

the taxpayer and the arbitrary manner in which the 'test' has been conceived and is apparently proceeding precludes any possibility of even minimal endorsement by any of the six architectural and engineering societies which comprise this committee."

Members of COFPAES include: AIA, Consulting Engineers Council, American Institute of Consulting Engineers, American Society of Civil Engineers, National Society of Professional Engineers, and the Engineering Division, American Road Builders' Association.

AIA/FORD ARCHITECTURAL SCHOLARSHIPS AWARDED

Twenty youths who plan to use architectural careers to help rebuild America's cities are the first recipients of a new national college scholarship program sponsored by The American Institute of Architects and The Ford Foundation.

The AIA and the Foundation have announced the winners who will start college this fall.

Goals of the winners, who come from large cities and small towns in nine states, are epitomized by Jose Carnero of Fabens, Texas, and Renee Kemp of Washington, D.C. Explains Carnero: "I want to be in a position to help my family, community and country." Writes Miss Kemp: "I will concentrate all my efforts into rebuilding the disgraceful ghetto areas of Washington into places where deprived people might be proud to live and maintain."

Winners were nominated by AIA members, high school counselors, college admission offices, community organizations, community development-design centers, government-aided programs such as the Neighborhood Youth Corps and other sources.

These are the first year winners, their hometowns, and the colleges they will attend, as announced by T.T. Russell, FAIA, of Miami, Chairman of the Scholarship Review Committee:

Everett L. Fly
San Antonio, Texas Univ. of Texas (Austin)
Jose Carnero
Fabens, Texas, Texas Tech.
Renee Kemp
Washington, D.C., Syracuse University
Marion Solomon
Houston, Texas, Prairie View
Curtis Kinard
Bronx, New York, Univ. of Michigan
Elliott Flynn
New Haven, Conn., Hampton
Felipe Diaz
New York, New York, CCNY
Tyrone Johnson
Washington, D.C., North Carolina A & T
Samuel Norwood
Washington, D.C., Tennessee A & I
Donald King
Los Angeles, Calif., Los Angeles City College
James Izlar
Washington, D.C., Howard
Dewey Taylor
Austin, Texas, Univ. of Texas (Austin)
Jesse Daniels
Waterproof, La., Southern University
John Morales
New York, New York, CCNY
Leon Cooper
New York, New York, Univ. of Michigan
Robert L. Harrison
New York, New York, Univ. of Michigan
Brian Collins
Kansas City, Kansas, Kansas State
Floyd Jackson
Kansas City, Kansas, Univ. of Kansas

Gary Hawkins
Palo Alto, Calif., Cal. Poly.
David L. Ates
Tifton, Georgia, Tuskegee Institute

"This is much more than a scholarship program. This is a program of human investment and social change," noted Grady E. Poulard, AIA's Director of Community Services. One of the program's objectives is to increase the number of trained design professionals coming from disadvantaged groups to help meet a huge backlog of design and planning work in the nation's urban cores, he noted. Of 23,000 students currently attending architectural schools, only some 900 are from disadvantaged or minority groups, Poulard estimates.

Most of the winners will attend schools of architecture for five to six years. Their expenses will be met from a combination of sources - the AIA/Ford scholarships, grants from some of the schools, personal savings and summer employment. The Texas Society of Architects and a Palo Alto, California, architectural firm, Ehrlich, Heft and Rominger, have provided matching funds to aid two of the winners.

The AIA and the Foundation hope to help 20 to 25 additional students enter the program in September of 1971, and 20 to 25 in 1972, under the \$1 million fund. "This hardly begins to scratch the surface in view of the need, but it is a start," noted Poulard. "The only way we can expand is through a substantial amount of matching funds from AIA chapters, architectural firms, schools of architecture, and other sources," he added.

The AIA stressed that the program is intended to aid youths under 30 who would not otherwise attend college. A demonstrated interest in design and city problems and the capability to complete college work, with assistance, are key requirements for the candidates.

Mr. Carnero, for example, drew plans for construction of his family home in Fabens, a settlement near El Paso. Miss Kemp used homemade materials to construct a model city which she entered in Washington's area-wide Science Fair.

Health Facilities Design Topic of Wash. U. Conference

Planning and design of health facilities will be the topic of a two-day conference to be offered at Washington University, November 20-21. Designed for architects, planners and health care administrators, the course will be led by nationally prominent specialists.

Lectures, discussions and case studies will cover topics including: comprehensive health planning; profiling population health needs; and translating health needs into facility requirements.

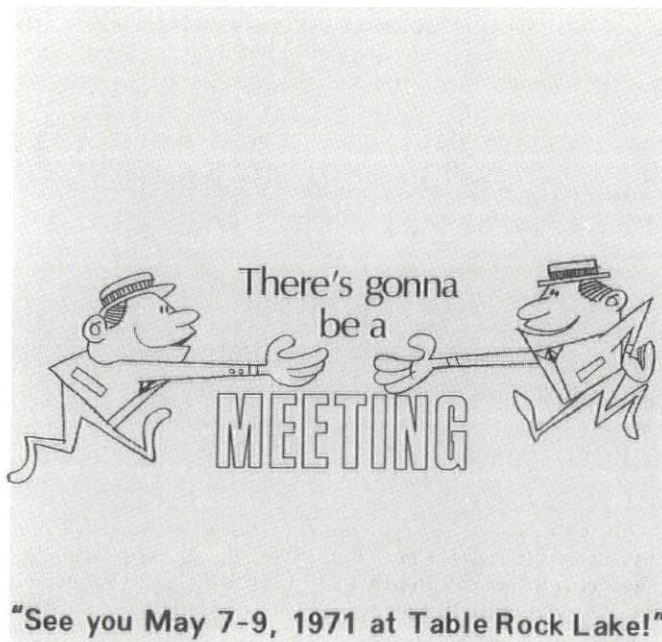
The conference is sponsored by the University's Schools of Architecture and Continuing Education in cooperation with the Department of Comprehensive Health Planning. For more information or to register, call (314) 863-0100, ext. 4504 or write the University, Box 1099, St. Louis, Mo. 63130.

AIA/CSI Agree on Computerization

Representatives of The American Institute of Architects and The Construction Specifications Institute have reviewed the current status of their respective programs pointed toward automated specifications, data retrieval systems and other construction industry communications techniques. The possibility of closer cooperation between the Institutes in pursuit of what should be a common goal - the timely production of specifications and other communications data - was thoroughly explored. The following procedures were developed for the achievement of these objectives.

GOALS AND PROCEDURES

1. MASTERSPEC®, Master Specifications Sections developed by Production Systems for Architects and Engineers, Inc. (PSAE), will be submitted to CSI for distribution to appropriate existing committees working on the subject, for their information, evaluation, and comment. These comments will be transmitted to PSAE for their use in improving and updating the sections.
2. COMSPEC®, the Automated Open End Specifications System (when developed by data processing service agencies in response to the performance specification prepared by the Stanford Research Institute (SRI) for the CSI Research Foundation (CSIRF)), will be made available for PSAE review with CSI staff to permit development of PSAE outputs (master specifications, cost estimating, etc.) in a manner compatible with use in the COMSPEC® system.
3. When its program is firmly established, PSAE will consider a composite directorate representing AIA, CSI, CEC and other organizations interested in the improvement of the quality and nationwide uniform character of construction specifications.
4. The Boards of Directors of each Institute have adopted resolutions affirming the foregoing.



CALL FOR PAPERS

Washington University has announced a CALL FOR PAPERS for the Fifth St. Louis Symposium on High Performance Composites to be held at the University April 6-7, 1971.

Purpose of the program is to offer opportunity to present papers on recent advances and future requirements in the field and to exchange this information among those interested in the field.

Details of the announcement are as follows:

Sponsor:

Monsanto Company/Washington University Association

Objective:

Dissemination of technical information on composite materials. The Symposium is part of an Association program on "High Performance Composites" sponsored by the Office of Naval Research and the Advance Research Projects Agency.

Dates:

April 6-7, 1971

Place:

Colony Motor Hotel, St. Louis, Missouri

Theme:

Recent advances and future requirements for composite materials.

Fields of Emphasis:

- New Materials
- Structure/Design Relationships
- Processing & Testing of Composites
- New Structural Applications of Composites

Call for Papers:

Papers are invited in the four fields of emphasis. Abstracts of approximately 250 words, paper titles, author(s), and affiliations should be submitted in triplicate by November 13, 1970, to Dr. Tom L. Tolbert, Monsanto Company, 800 N. Lindbergh, St. Louis, Missouri 63166.

PRESIDENT'S LETTER (Continued from IFC)

At this time, I would like to recommend a relatively new publication entitled "St. Louis Construction News & Review." The July 20 issue which was their anniversary edition was particularly outstanding. The voice of the construction industry for the St. Louis trade area is an excellent publication. Ken Schaefer, President of the St. Louis Chapter of the AIA, has written two very favorable articles involving our state organization and its efforts in behalf of the architectural profession.

In closing this message, I want to remind you all again that plans and arrangements are proceeding nicely for our spring annual meeting in the hill country. The dates have been confirmed for May 7, 8 & 9 and advance reservations have been confirmed with the Holiday Inn of Table Rock Lake at Kimberling City. Many Springfield committees, including our Women's Auxiliary, are busy in the planning and arrangements for this coming meeting. By the time this is printed, I'm sure there will be several other big developments to report to you in the next issue.

Hal Hawkins, President

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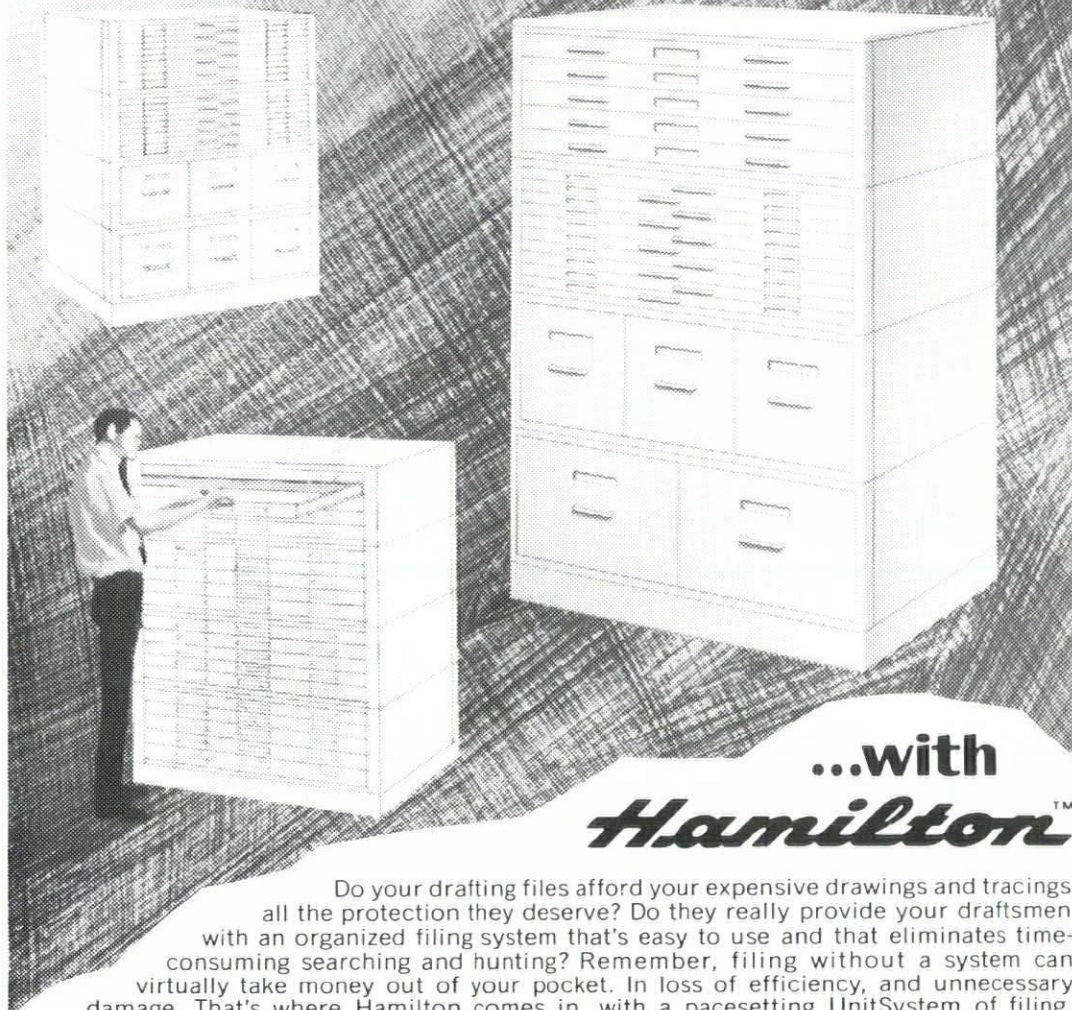
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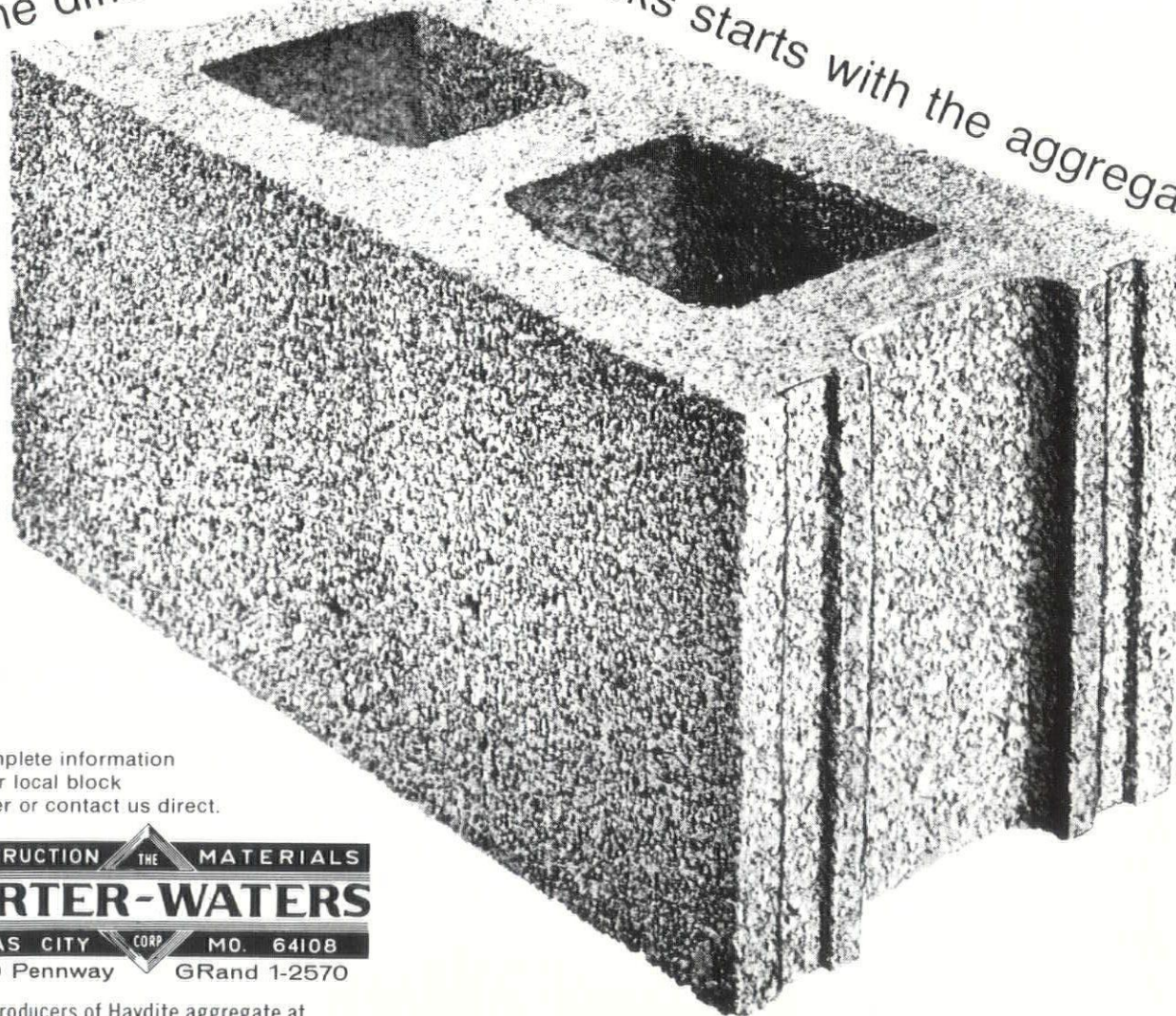
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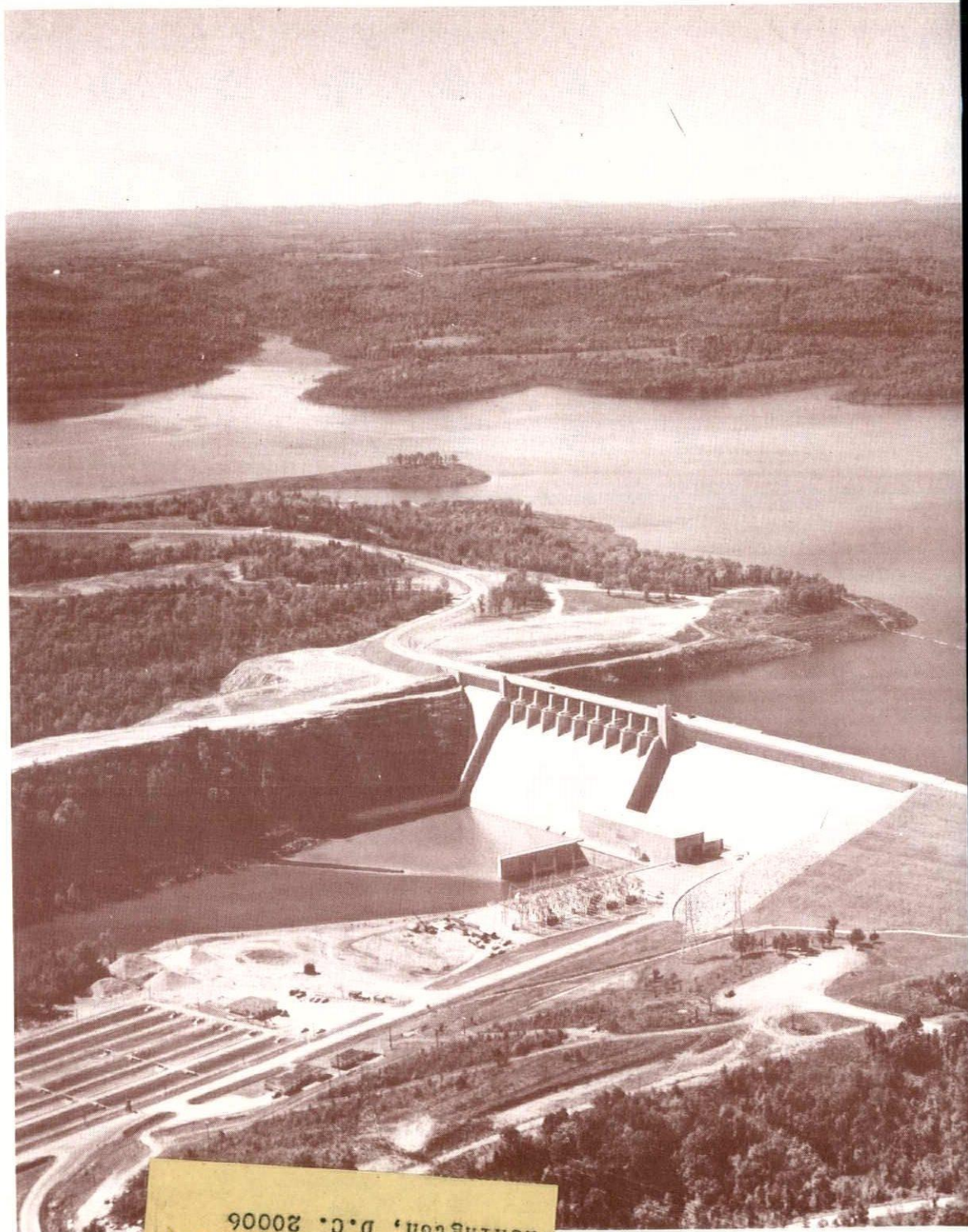
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