



indiana architect

JUNE-JULY 1970

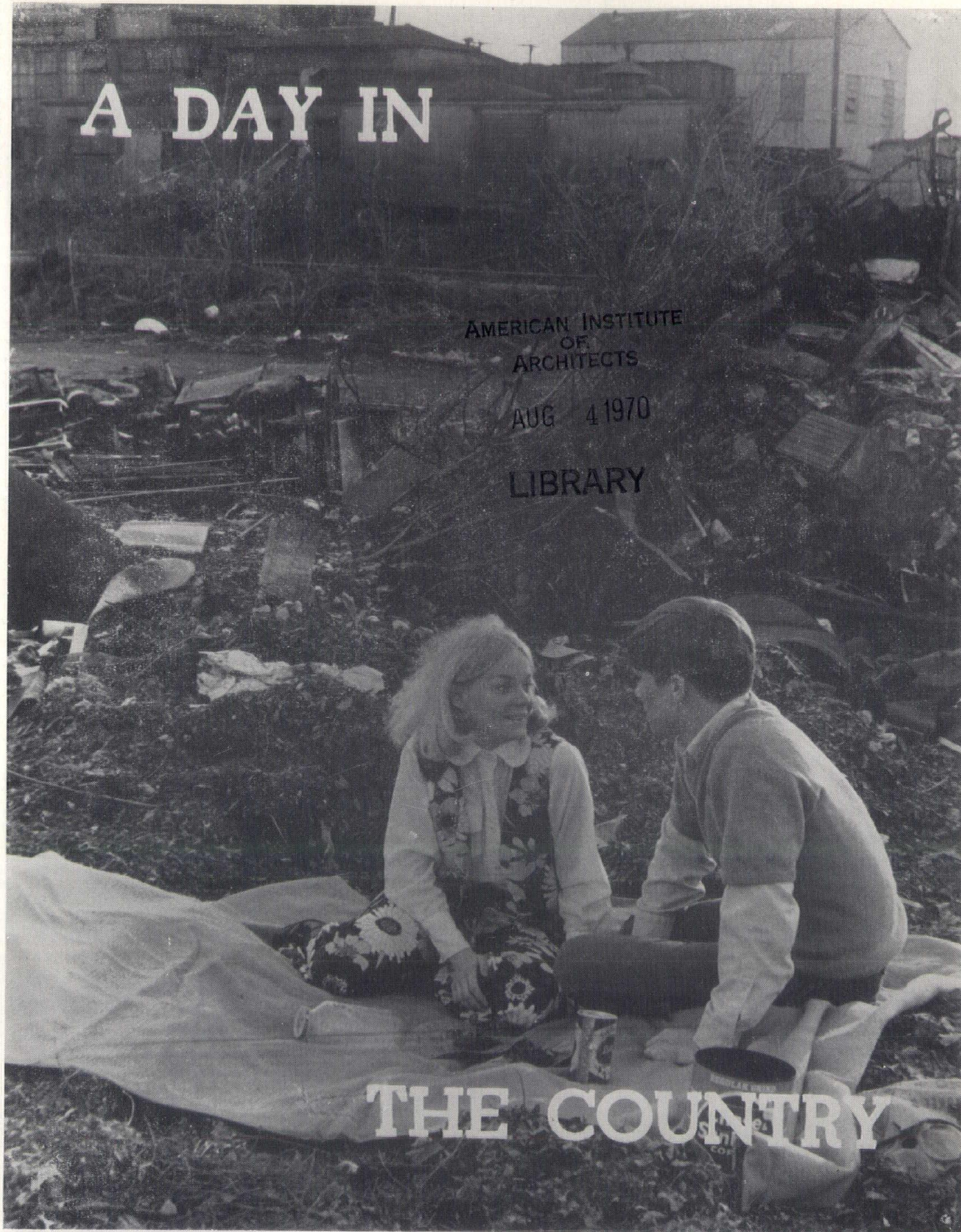
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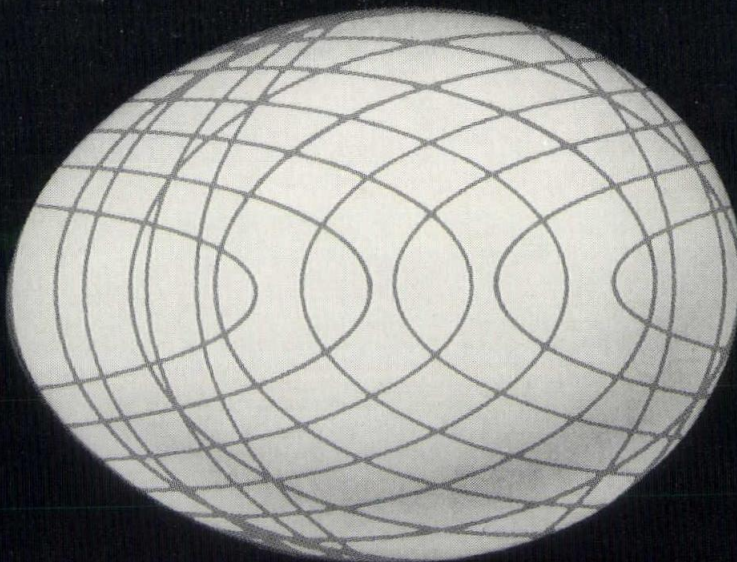
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June-July, 1970

Vol. XIV, No. 1

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EDITORIAL STAFF

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DON E. GIBSON, Hon. ISA

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Against This...



and This...

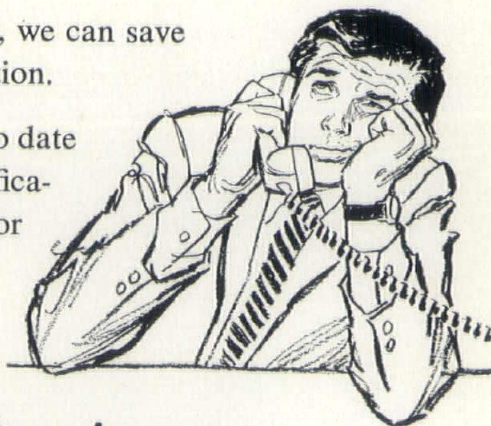


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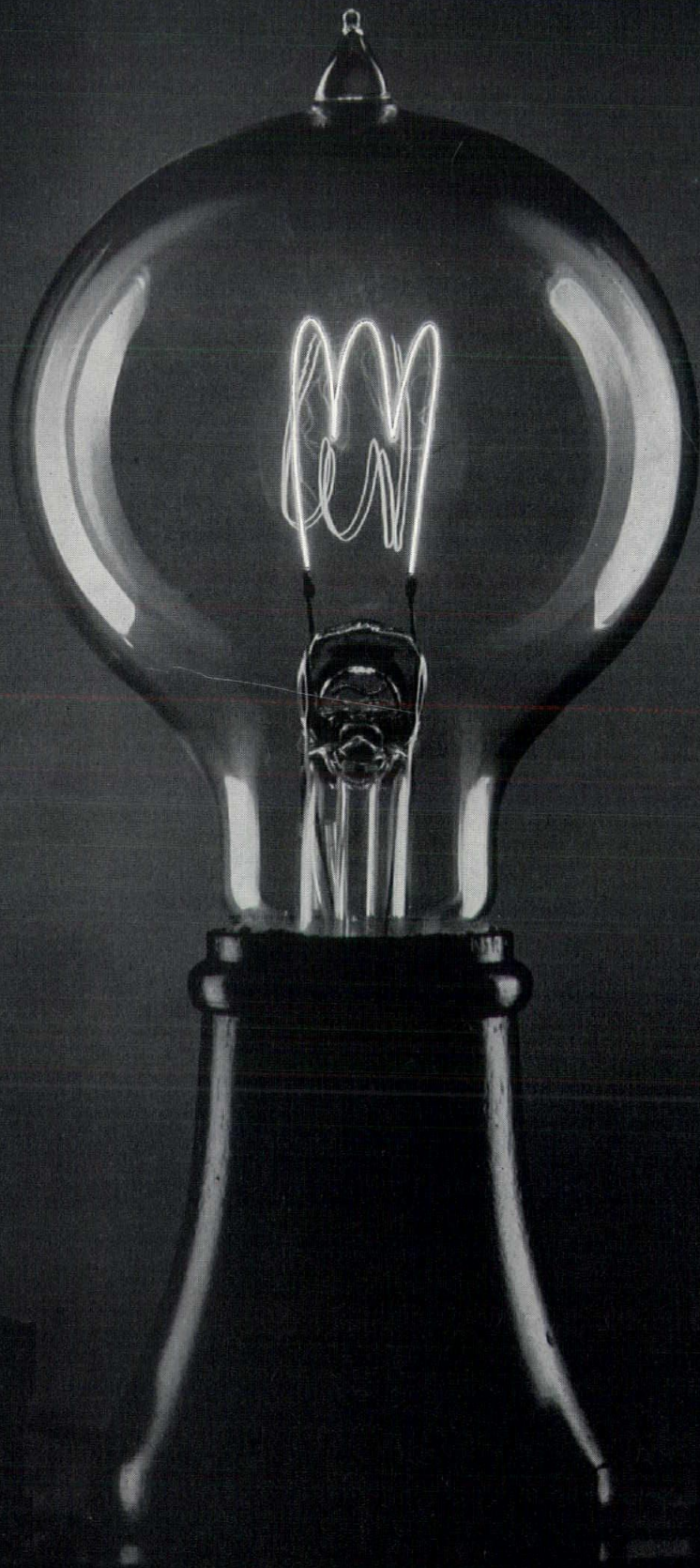


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***... seems funny
Edison didn't
think of it!***

At some time or other Edison must surely have grabbed a hot light bulb. But apparently it never occurred to him that this heat was worth anything more than a couple of expletives. As a matter of fact, it took almost a century of scorched fingers before the engineers came up with a way to make practical use of the heat given off by electric lights.

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AIA Convention Report

Delegates to the 102nd convention of the American Institute of Architects covered topics ranging from standards of professional practice to the war in Indo-China, and sandwiched in between an election of officers and approval of a dues increase.

Officers for next year include Detroit architect Robert F. Hastings FAIA, president; Max O. Urbahn FAIA, New York City, first vice-president; Richard M. Bennett FAIA, Chicago, Robert J. Nash AIA, Washington, D. C., and George M. White AIA, Cleveland, vice-presidents; Preston M. Bolton FAIA, Houston, secretary; and Rex L. Becker FAIA, St. Louis, treasurer.

A proposed increase in both individual member and architectural firm dues was approved by an overwhelming vote, as were technical changes required to implement construction of the Institute's new headquarters building in Washington, D. C.

By a less overwhelming vote (60-40), the delegates also ended years of controversy by approving new standards of practice which will encourage architects to experiment and innovate with new building methods.

On the war front, delegates urged Congress and the President "to reduce our military commitment . . . to an absolute minimum" and to transfer massive federal help to the nation's cities.

Other convention actions included:

Urging of new tax, zoning and land use concepts "which encourage creative physical planning . . . economies in construction . . . and diversity of land use with mixed and varied occupancies".

Urging expanded use of factory-assembled building components and voiced opposition to labor union product boycotts that inhibit reforms in the construction industry.

Encouraging government and industry to "give the highest priority to allocating human and financial resources" to halt pollution of air, water and land.

Requesting large-scale plans for the preservation "of our priceless heritage, our beautiful costs".

Carl L. Bradley AIA, Fort Wayne, was elected as the new director from Indiana and Kentucky; his three-year term on the AIA Board will begin January 1, 1971.

Indianapolis Architect H. Roll McLaughlin FAIA was honored in the Convocation of Fellows during the convention. Mr. McLaughlin's elevation to Fellow recognized his service to architecture through architectural preservation.

The Indiana delegation, headed by ISA President Wallace Given AIA of Evansville, included (in addition to Mr. Bradley and Mr. McLaughlin):

Melvin Birkey AIA, South Bend; James McClure Turner AIA, Hammond; Raymond S. Kastendieck FAIA, Gary; Paul O. Tanck AIA, Valparaiso; Keith Reinert AIA, Hobart; ISA Vice-President Don Sporleder AIA, South Bend; Brian Crumlish AIA, South Bend; NIC President James J. Schenkel AIA, Ft. Wayne; CSIC President Richard Hartung AIA, Bloomington; Charles Sappenfield AIA, Muncie; Thomas Dorste AIA, Indianapolis; George Wiley AIA, Indianapolis; ISA Associate Member Dana Florestano; State Building Commissioner Charles J. Betts FAIA, Indianapolis, and Indianapolis Chapter President Jack Jelliffe AIA.



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POLLUTION POSTERS

The curriculum for second year students at Ball State's College of Architecture and Planning includes a course entitled, "Graphic Communication". The intent of the course is to give students a theory of visual communication which can be applied in many different situations.

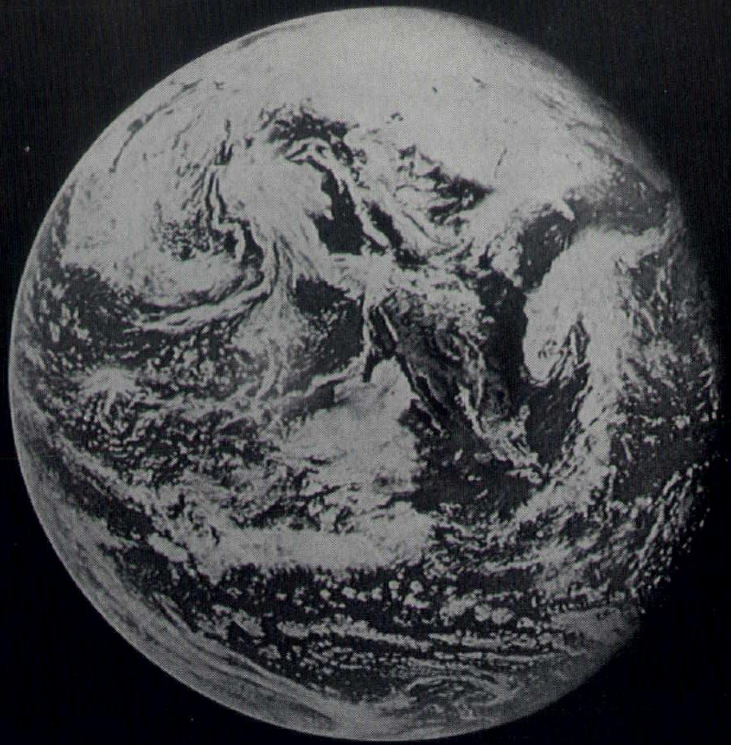
This application of visual communication theory is demonstrated by the students not only through presentation techniques, but also through analysis of architectural design and of advertising design. Awareness of social expression, symbol formation and visual design is encouraged.

The Pollution Poster project asked the students to select a message for communication which had broad social significance and to transmit that message through appropriate visual designs. An analysis of the message and its potential audience preceded actual design.

The following pages (and this month's cover) reflect a sampling of the results of that project.

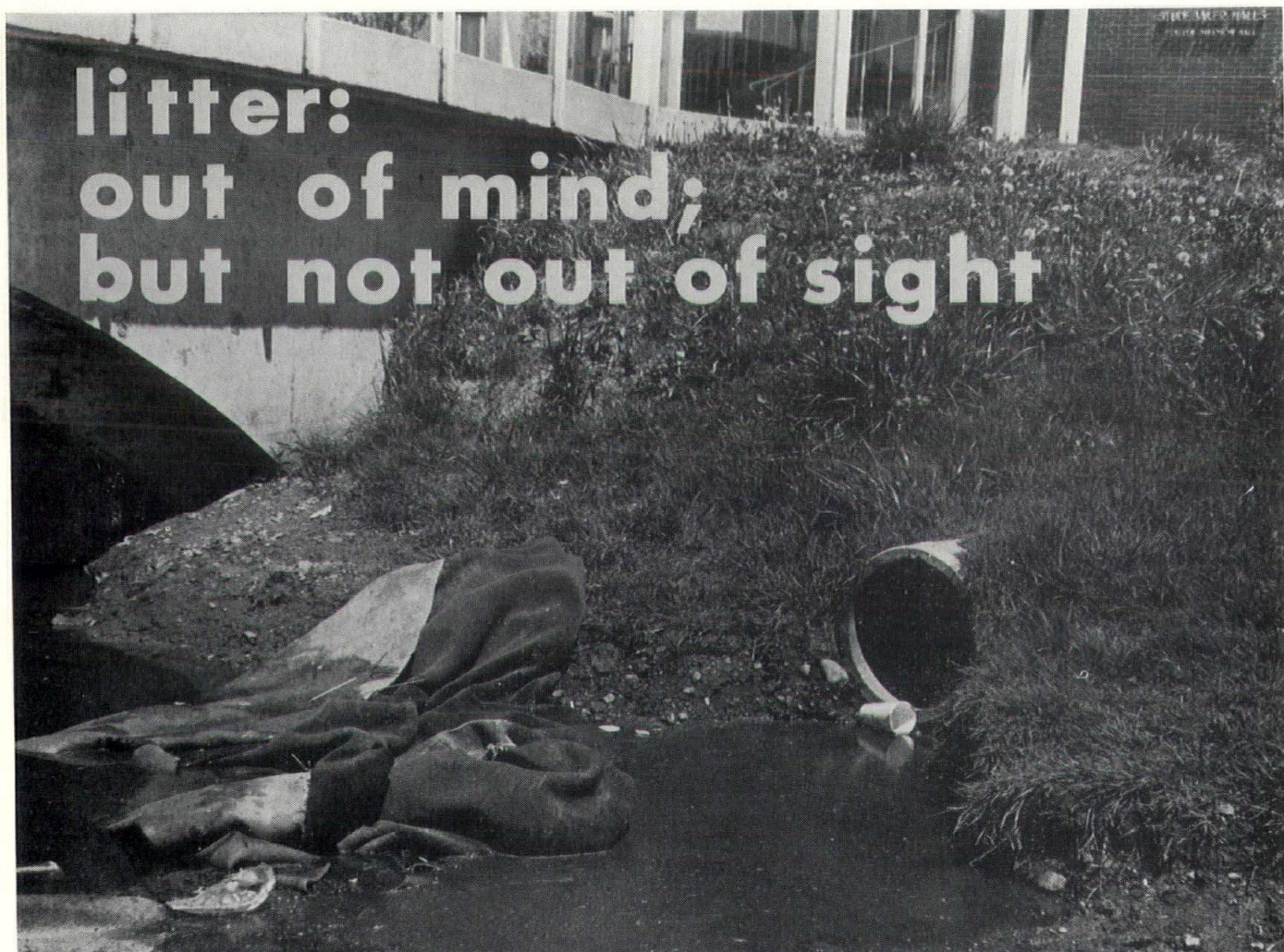
POGER BRADY, Mishawaka





"Houston Control to Apollo, circle indefinitely, landing conditions impossible-all oceans covered by oil and visibility, due to high pollution level, down to 150 feet"

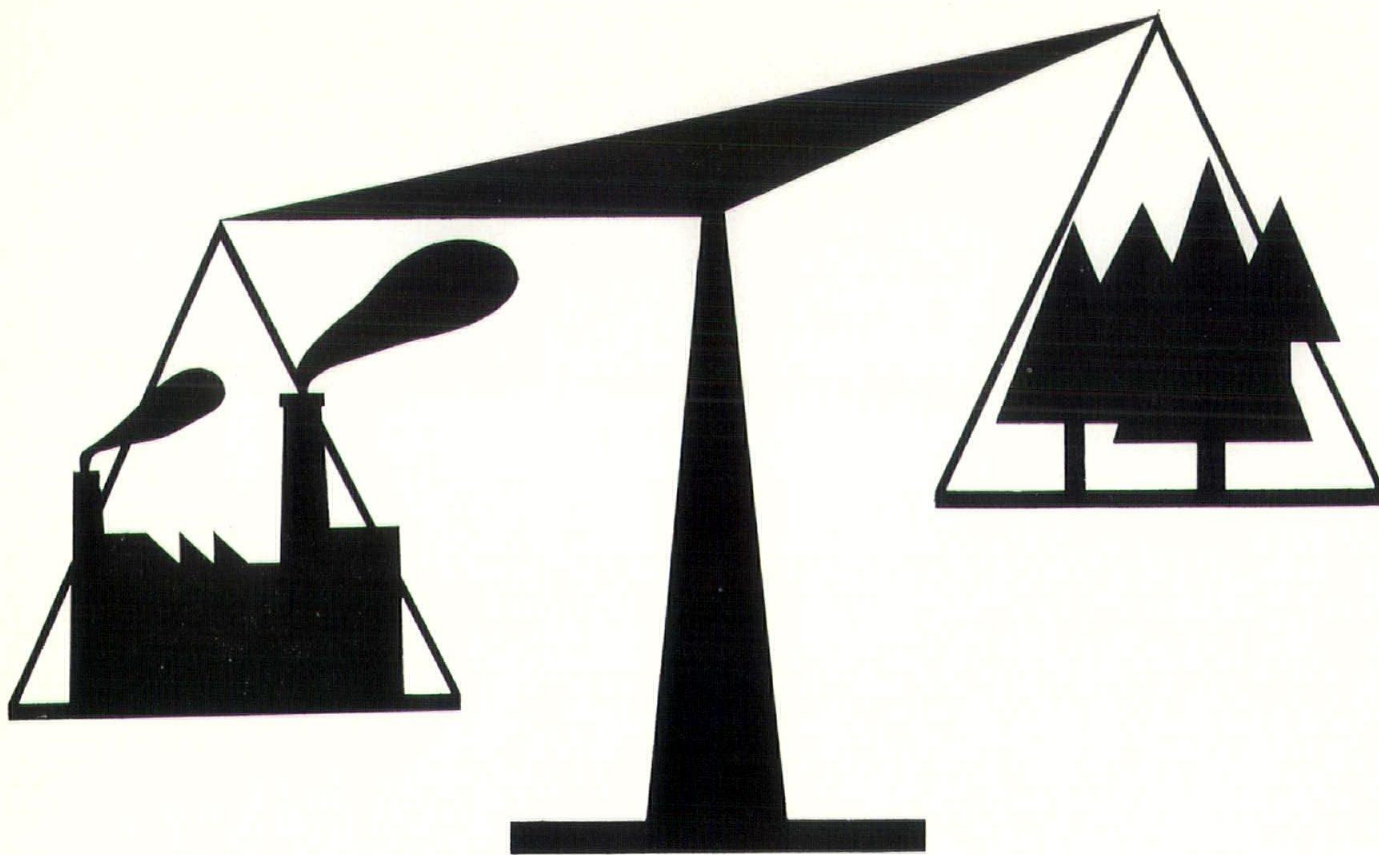
JOHN BALDAUF, Speedway





GOING DOWN FOR THE LAST TIME ...

JIM CAMPBELL, Gary

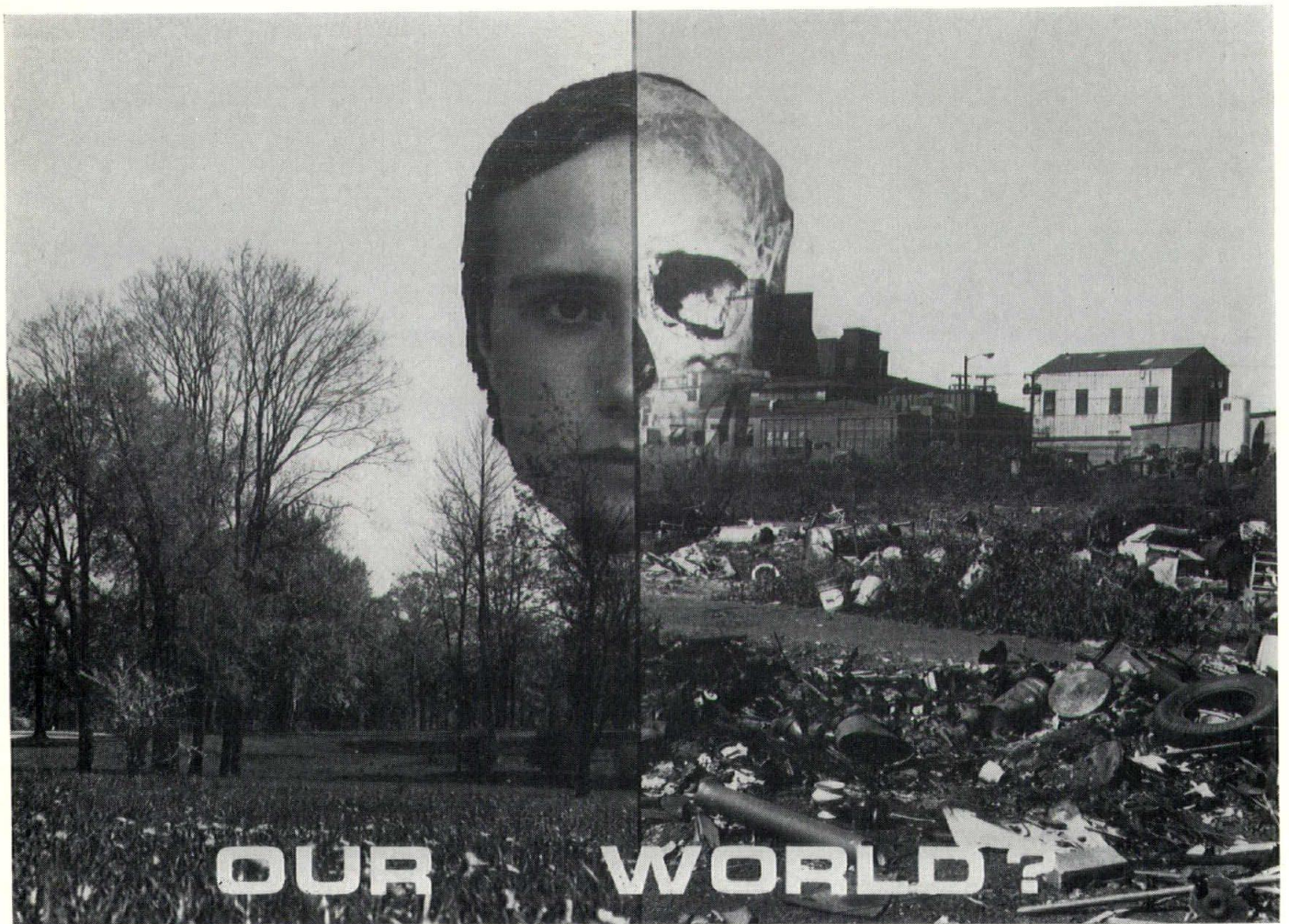


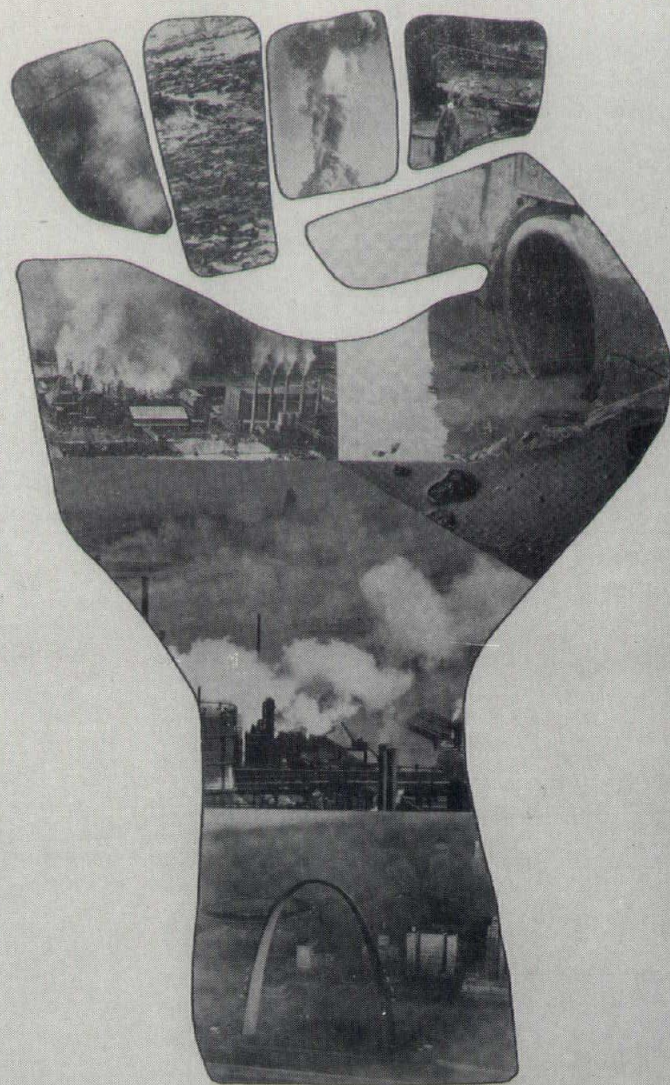
WEIGH WHAT'S HAPPENING

DAVID CHRISTNER, Wolcottville



FRED LOTT, Speedway





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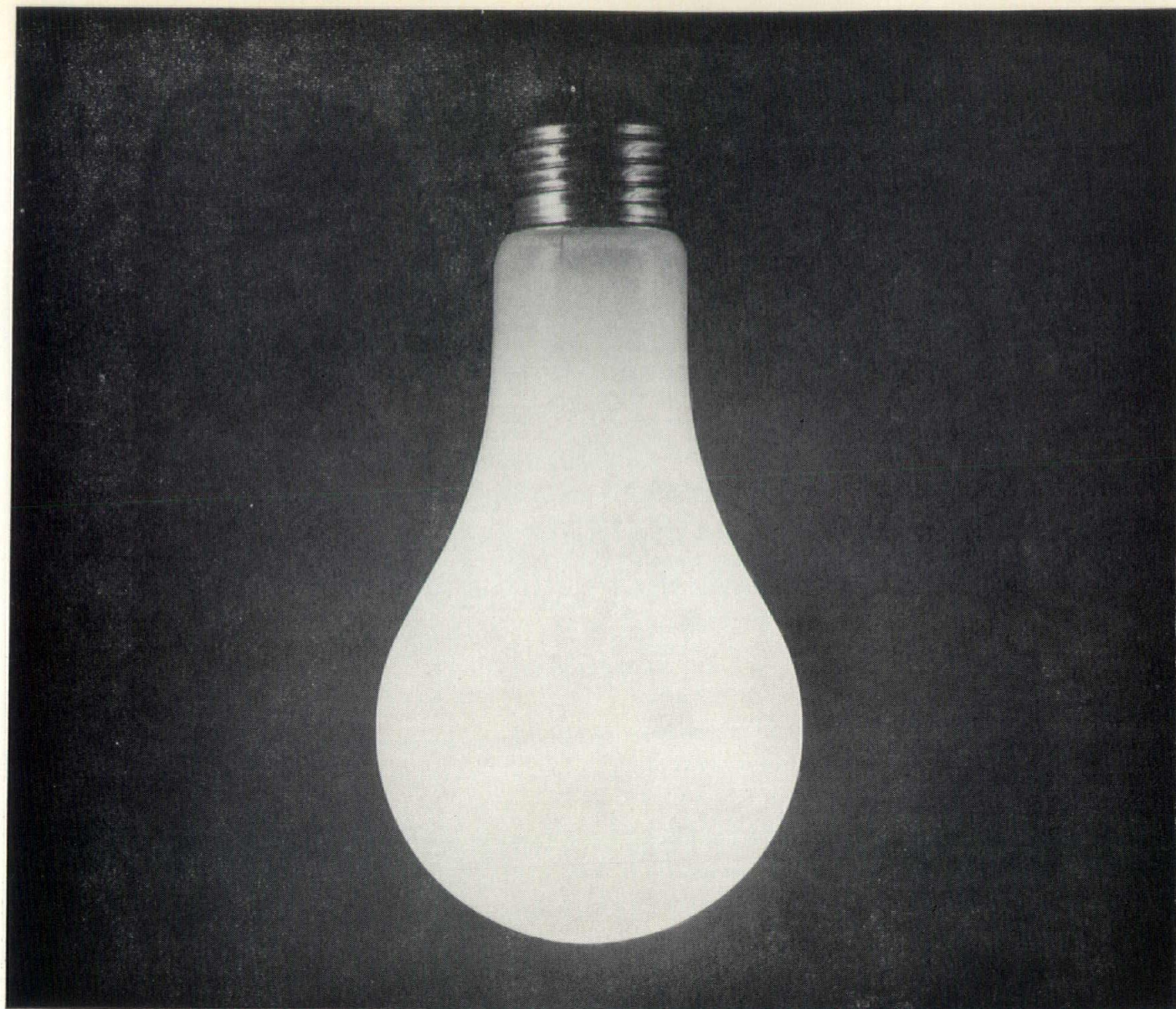


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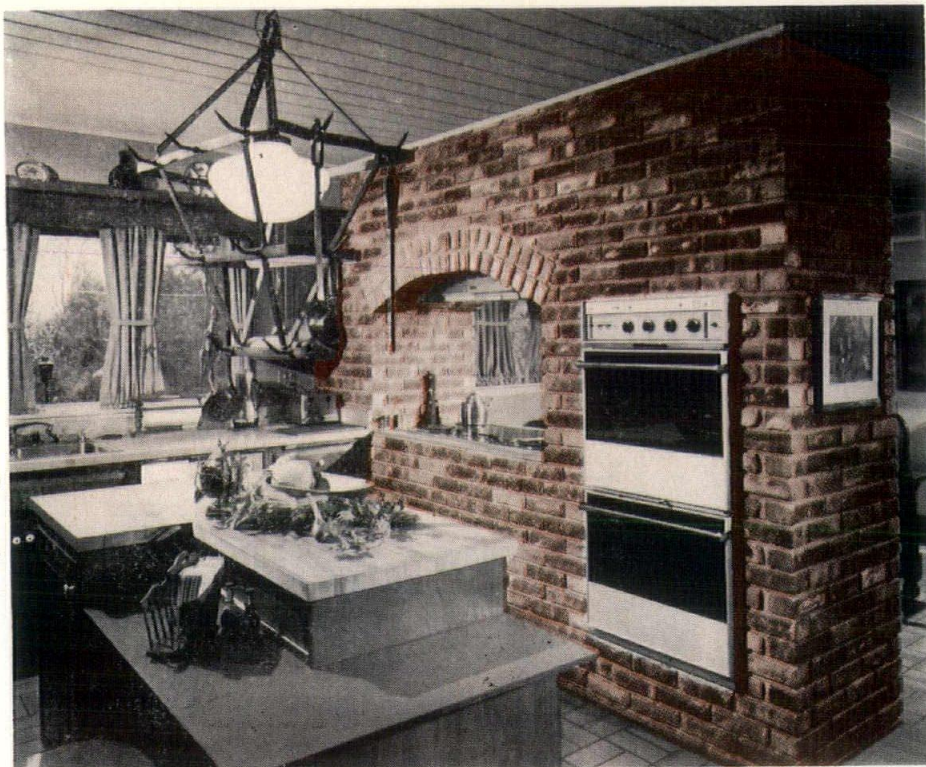
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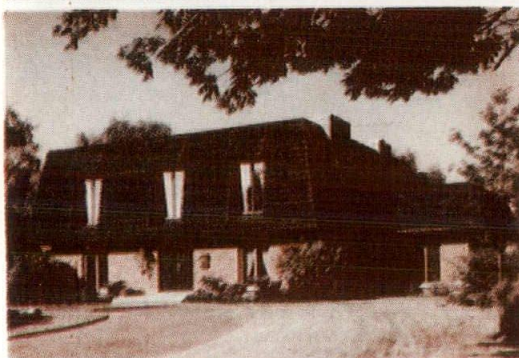


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MASTERSPEC

MASTERSPEC, a new low-cost automated master specification system, combines a text of carefully prepared specifications and co-ordinating instructions for building products and construction methods, arranged in the 16-division format of the Uniform System and segmented to facilitate automation. It is the first of a group of integrated systems to be offered by Production Systems for Architects & Engineers, Inc., a Chicago-based non-profit corporation authorized by the American Institute of Architects.

Designed to meet the needs of all firms, including the small-to-medium-sized firm, the system can be employed at any one of three basic levels: 1) for use strictly as a reference; 2) for obtaining up to date copies of master specifications to be edited for each project, regardless of the final production system used; 3) for automated processing to produce a computer printout of the final project specification.

To utilize MASTERSPEC, subscribers need no in-house computer or data processing equipment. Specification consulting firms may subscribe to and use the system for their clients. At present no provisions have been made for the user to install the program on his own equipment or to prepare his own computer input for project editing. These options may be available at a later date.

PSAE's primary objectives in developing the system were to assist the professional in serving his client with greater proficiency, to unify technical practices of the entire industry, and to expand the decision-making capacity of qualified technical personnel. MASTERSPEC also will serve to help educate less experienced personnel and will increase the professional firm's ability to compete with other avenues available to the owner for accomplishing his building project.

Because current technology produces a continually increasing number of architectural projects and construction techniques, architects, engineers and specifiers have difficulty in keeping properly informed and in making necessary evaluations. This system provides a central source of up-to-date information in specification form for both products and construction techniques. Time spent on repetitive research can be substantially reduced so that experienced personnel will have more time for decision-making on each project.

In use, a subscribing specifier is charged a nominal subscription fee which entitles him to the Reference Catalog (a complete set of bound sections and instructions), the User's

Manual, copies of the Table of Contents as required, and general information distributed throughout the year. After a definitive design for a project has been finalized, the user reviews a copy of the Table of Contents, checking off those sections of MASTERSPEC needed for the project, and sends the marked-up copy to PSAE. A copy of the most recent version of each available section requested is then returned.

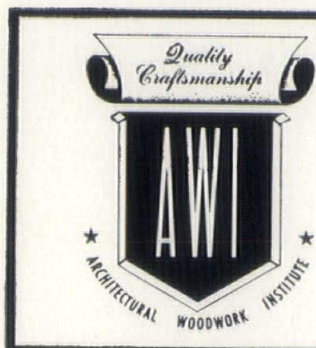
Upon receipt of these sections, the drawing co-ordination sheets are reviewed with the appropriate draftsman and retained by him as a check list. As working drawings proceed, the specifier edits the master section copies simply by deleting unwanted choices and writing in any additional requirements. Instruction sheets attached to each section discuss the alternate choices and suggest still other choices. Editing notes in the text remind the specifier of basic editing requirements.

When all sections have been edited and all nonautomated sections prepared, the specification should be reviewed by project personnel and also with the client. The user then sends the final edited MASTERSPEC sections to the data processing center, which prepares the machine-readable input, makes the computer run and produces the printout of the final project specification. Deletions and insertions as marked are accomplished by this process. Instructions in the text are omitted automatically, and line and page length are automatically adjusted.

The final specification is printed out in highly legible format with upper and lower case lettering, co-ordinated page numbering, right margin justification, indentions, and under-scoring. The user may request the printout to be prepared on off-set masters in lieu of the standard hard copy printout on plain white paper. This reproducible copy is returned to the user for duplication and distribution in the usual manner.

Sections currently available for use include 89 high-priority sections in Divisions 4 through 10 of the Uniform System. By year's end, approximately 200 sections in Divisions 2 through 14 should be available. Subscription fees are determined by firm size; up-to-date copy for editing on each project costs \$1.00 per section; and the data processing fee is \$2.25 per page of final computer printout.

Further information may be secured from Production Systems for Architects and Engineers, Inc., Suite 1709, 343 South Dearborn Street, Chicago, Illinois 60604.



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News

JOHN C. FLECK, AIA, Indianapolis architect, received double honors at this year's annual convention of the Construction Specifications Institute. He was one of twelve individuals in the nation's construction industry to be advanced to the rank of Fellow in the CSI and also was one of three individuals to receive special recognition for service during the past year.

Mr. Fleck is the immediate past president of the Indiana Society of Architects and served as a founder and the first president of the Indianapolis Chapter of CSI (1961). He was elected as Regional Director of CSI's Board of Directors in 1967 and has served as a member of its Long-Range Planning Committee.

Mr. Fleck is president of Fleck, Burkart, Shropshire & Associates, a native of Indianapolis, and received his education at Purdue University and the Universities of Illinois and Colorado.

—AIA—

LESTER W. ROUTT, AIA, Vincennes architect and longtime member of the Indiana Society of Architects, passed away February 23rd. Mr. Routt entered the practice of architecture in 1913, employed in the office of L. H. Osterhage, Architect, in Vincennes. The firm evolved into Osterhage & Sutton in 1920, and later into Sutton & Routt (1923).

Mr. Routt was born June 27, 1891, and received his education at Washington University and the University of Liverpool, England. He was registered both as an architect and a professional engineer.

His firm, Lester W. Routt and Associates, Inc., will be maintained by his son-in-law, Charles D. Gardner, AIA.

—AIA—

WALKER, APPLGATE, OAKES AND RITZ, New Albany, have announced the appointment of four associates, three architects and one engineer: Robert W. Eby AIA, James L. Walker III, AIA, Ronald K. Leach, AIA, and James W. Galbreath, PE.

Mr. Eby joined the firm in 1953, is a graduate of the University of Illinois, and is registered both as an architect and engineer.

Mr. Walker III joined the firm in 1959 and is a graduate of the University of Pennsylvania.

Mr. Leach also joined the firm in 1959, and is a graduate of the University of Michigan.

Mr. Galbreath is a graduate of Purdue, and has been with the firm since 1960.

—AIA—

PELLER-TANCK-GERTSMEIER-REINERT, INC., has been formed in Valparaiso as the result of a merger between the former firms of Peller, Tanck & Gertsmeier, Inc., and Keith L. Reinert, Architect, of Hobart.

Principals of the new firm include Paul O. Tanck AIA and Keith L. Reinert AIA. The firm will maintain its practice in architecture, engineering and planning at 404 Lincolnway, Valparaiso.

—AIA—

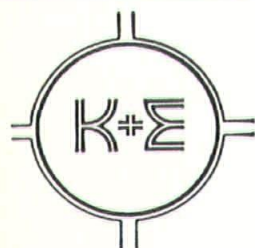
"ARCHITECTURE FOR THE CHURCH" is a three-day conference to be held at Concordia College, Milwaukee, Wisconsin, August 2-4, 1970. Co-sponsored by the Lutheran Church-Missouri Synod and Concordia College, the program will cover aspects of the changing church, remodeling and renovation, contemporary religious art, and facilities utilization. A \$35.00 registration fee includes tuition, meals and lodging.

Reservations may be made through the Commission on Architecture, c/o Frederick Bentz AIA, 700 First National Concourse Bldg., Minneapolis, Minn. 55402.

—AIA—

H. ROLL McLAUGHLIN FAIA, Indianapolis architect and historic preservation authority, has been named a member of the Indiana Professional State Consulting Committee to the National Register of Historic Places. Other committee members include John R. Lloyd, chairman; Dr. Donald F. Carmony, vice-chairman; Herbert R. Hill, secretary; and James H. Kellar.

Mr. McLaughlin, a partner in James Associates of Indianapolis and recently elevated Fellow of the AIA, is chairman of the national AIA Historic Resources Committee and the State Preservation Co-ordinator for the Indiana Society of Architects.



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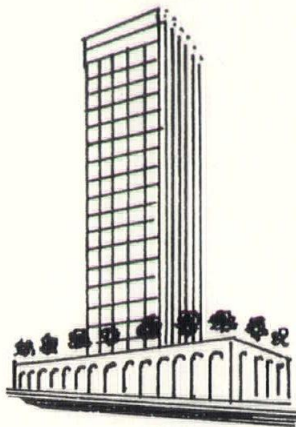
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INDIANAPOLIS, INDIANA

CUT CONSTRUCTION COST THROUGH YOUR AIR HANDLING CONTRACTOR

Years ago the use of ventilation was minimal, and air conditioning was not currently known and used. It is understandable that the portion of the mechanical work performed



by the air handling contractor was relatively insignificant. However, the significance of the air handling contractor's role has steadily increased over the years, and today the air handling installation on buildings equals, and, in many instances, exceeds the work performed by the mechanical contractor.

Nonetheless, the preparation of specifications in large part has remained unchanged during the same course of years. The air handling contractor is still expected to place his bid through the mechanical contractor based upon specifications which do not separate the air handling installation from the mechanical portion of the specifications.

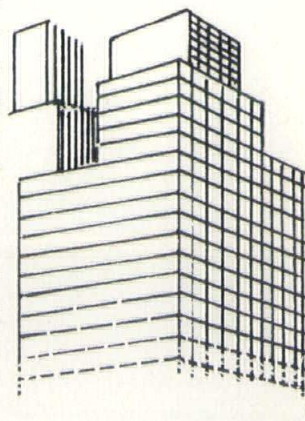
Reason and economy dictate that the separation of the air handling specifications is the better practice. For instance, the mechanical contractor, like the electrical contractor, bids directly to the owner, architect or prime contractor; and since his bid includes the air handling portion of the work, three to fifteen percent is added to that portion to compensate the mechanical contractor for assuming the responsibility of overseeing the air handling installation. The success of an air handling installation, however, depends largely on the degree of co-ordination between the

mechanical contractor.

Furthermore, because of the mechanical "middle man," bid auctioning (composed of equal parts of bid shopping and bid peddling) often results. This practice has been a constant plague in the construction industry and ultimately leads to a reduction in the quality of the work performed.

With separate and distinct specifications, the architect and/or engineer can readily check the thoroughness of the specifications and also be assured that each contractor's bid will include all of those items specified. The use of separate specifications will minimize the possibility of misunderstandings, duplications and overlapping.

In view of the foregoing, it is the hope of the Indiana Sheet Metal Council that air handling contractors will ultimately achieve a position comparable to the mechanical and electrical contractors; and to this end, the Council is pledged to the active promotion of separate specifications and separate bids. The benefits derived by the entire construction industry from separate specifications and separate bids are becoming increasingly obvious, and it is our conviction that they will more than compensate for the time involved in changing outmoded policies and ideas.



Indiana Sheet Metal Council
Box 55533, Indianapolis, Indiana 46205

John Murphy (Fort Wayne)	219-432-0080
Ralph Potesta (Hammond)	219-845-5033
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