

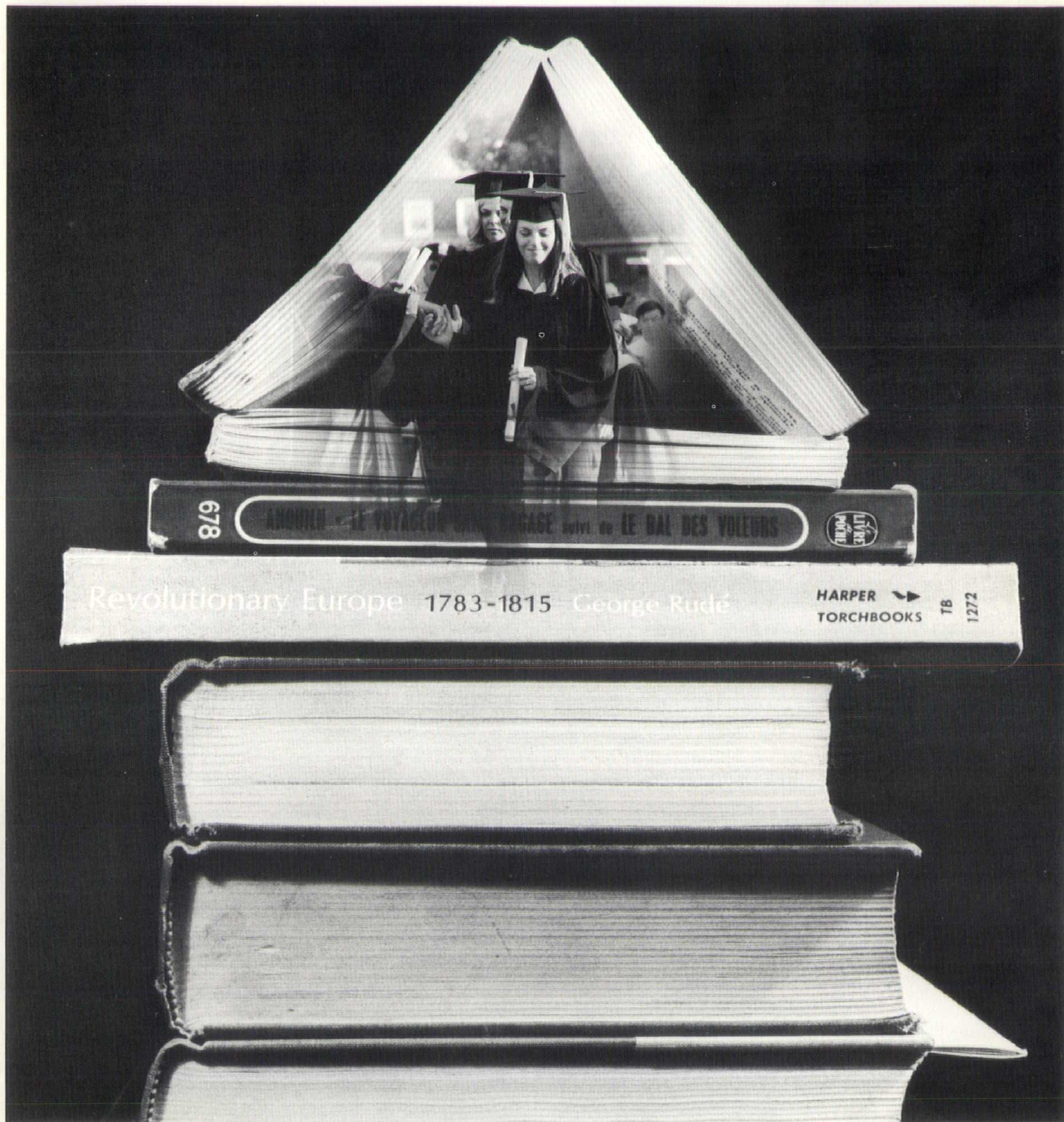
THE KENTUCKY ARCHITECT

COLLEGE BUILDINGS ISSUE/MARCH-APRIL, 1969

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OF  
ARCHITECTS

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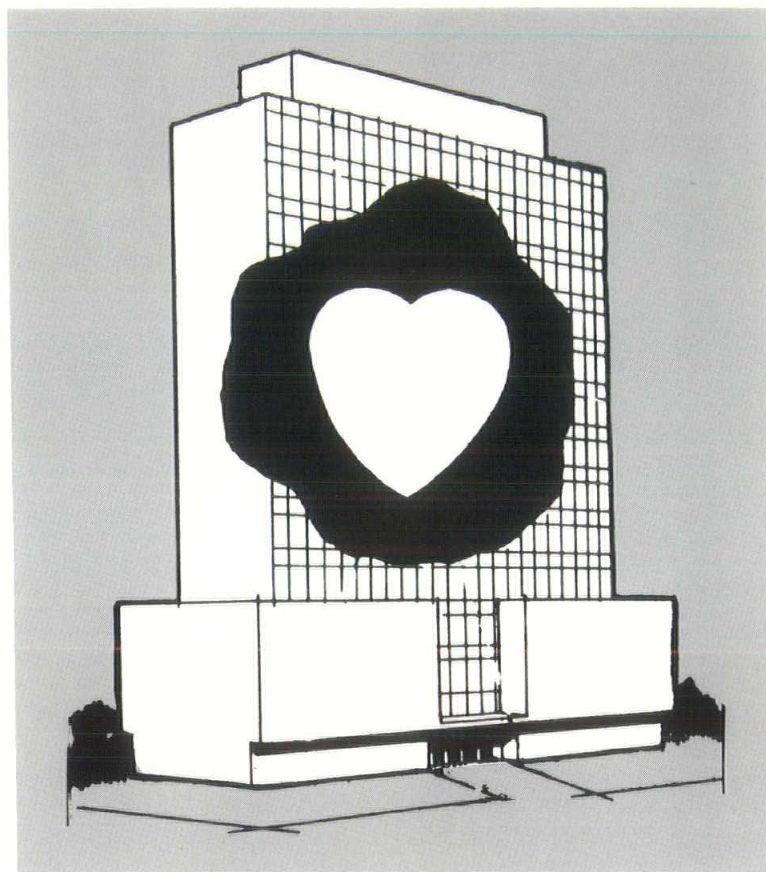
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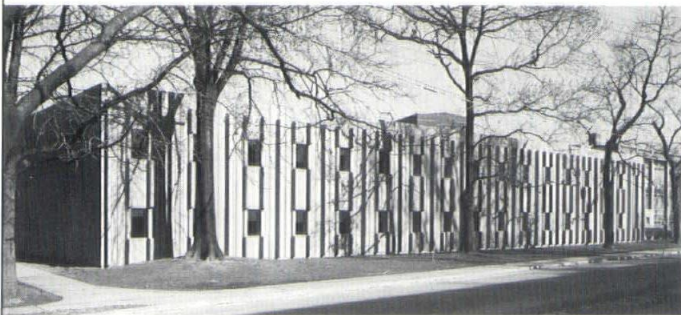
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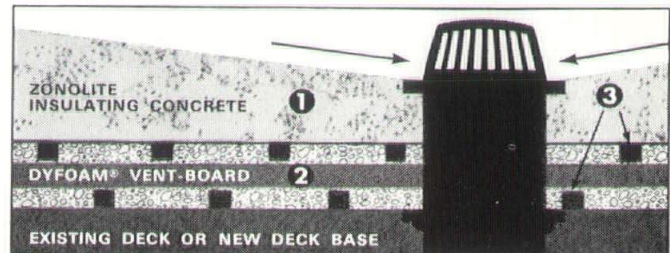


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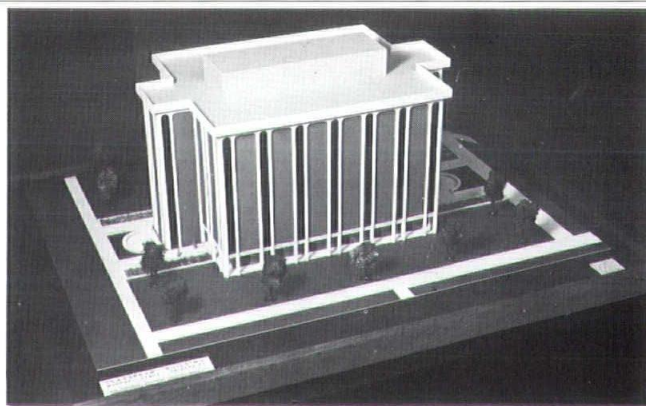
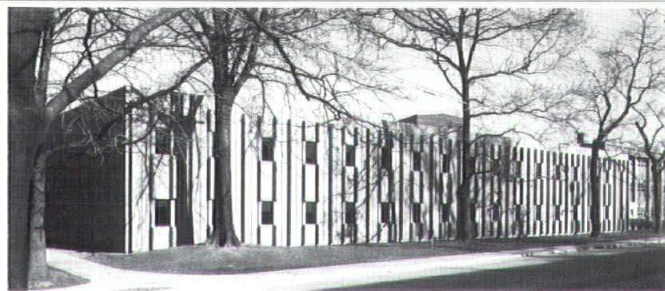
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Top Left: U of K Research Facility No. 2  
Bottom Left: U of K Research Facility No. 1  
Top Right: Murray State U Classroom Building  
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THIS ISSUE:

The entire issue, except KSA News Notes, is devoted to College and University buildings. These projects are representative of the designs created by member firms of the Kentucky Society of Architects and the craftsmanship of the contractors and products used in the individual projects.

The Kentucky Society of Architects appreciates the support of the regular advertisers in the KA and the firms who are advertising their work in connection with the projects selected for publication in this issue.

NEXT ISSUE (MAY-JUNE):

Public Buildings

FUTURE ISSUES FOR 1969:

JULY-AUGUST:

Renovations, Remodelings, Additions  
(all types of buildings)

SEPTEMBER-OCTOBER:

Residences (private homes, dormitories, housing projects, hotels, motels, etc.)

NOVEMBER-DECEMBER:

Winning projects of Annual Honor Awards competition

VOLUME VIII, NO. 2/MAR.-APR., 1969

CONTENTS:

- 10 Medical — Dental Facilities
- 12 University Center
- 13 Classroom Building
- 14 Life Sciences Building
- 15 Science Center
- 16 Physical Education Building
- 18 Science Building
- 19 Research Facilities
- 20 Professional Education Building
- 21 Parking Structure No. 1
- 22 KSA News Notes

*Design: Julius Friedman*

*Cover Photograph: John Beckman*

## MEDICAL-DENTAL FACILITIES

*University of Louisville  
Louisville, Kentucky*

*Architects: Arrasmith, Judd, Rapp & Associates, Louisville, are associated with Smith, Hinchman & Grylls Associates, Detroit, for the design of the Library and Commons Building and Louis and Henry, Architects and Associates, Louisville, are associated with the Detroit firm for the design of the Dental School.*

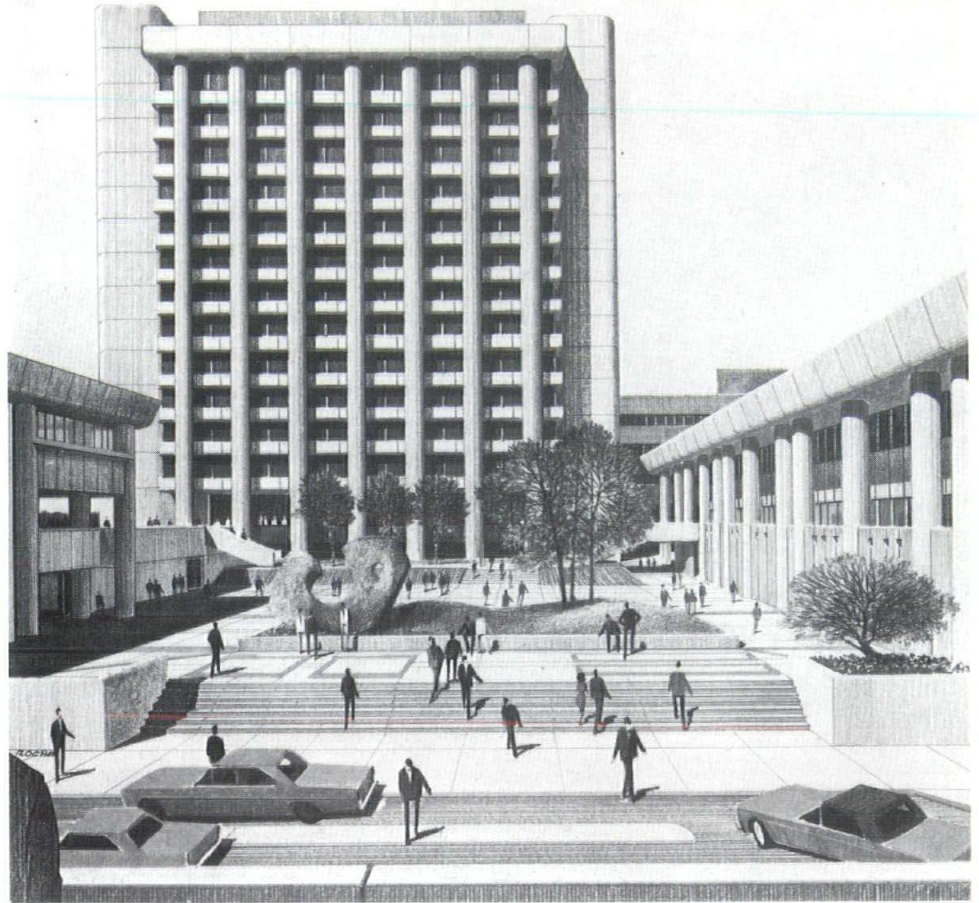
*Consulting Engineers: E. R. Ronald and Associates, Louisville, on Dental School, Library, Site Utilities*

*Owner: University of Louisville*

A master plan for basic science instructional facilities was developed to include a new dental school building, expansion of the present medical research facilities, an academic tower, library and commons building. The master plan also provides for a future teaching hospital, clinical center, research extensions and student and intern housing facilities.

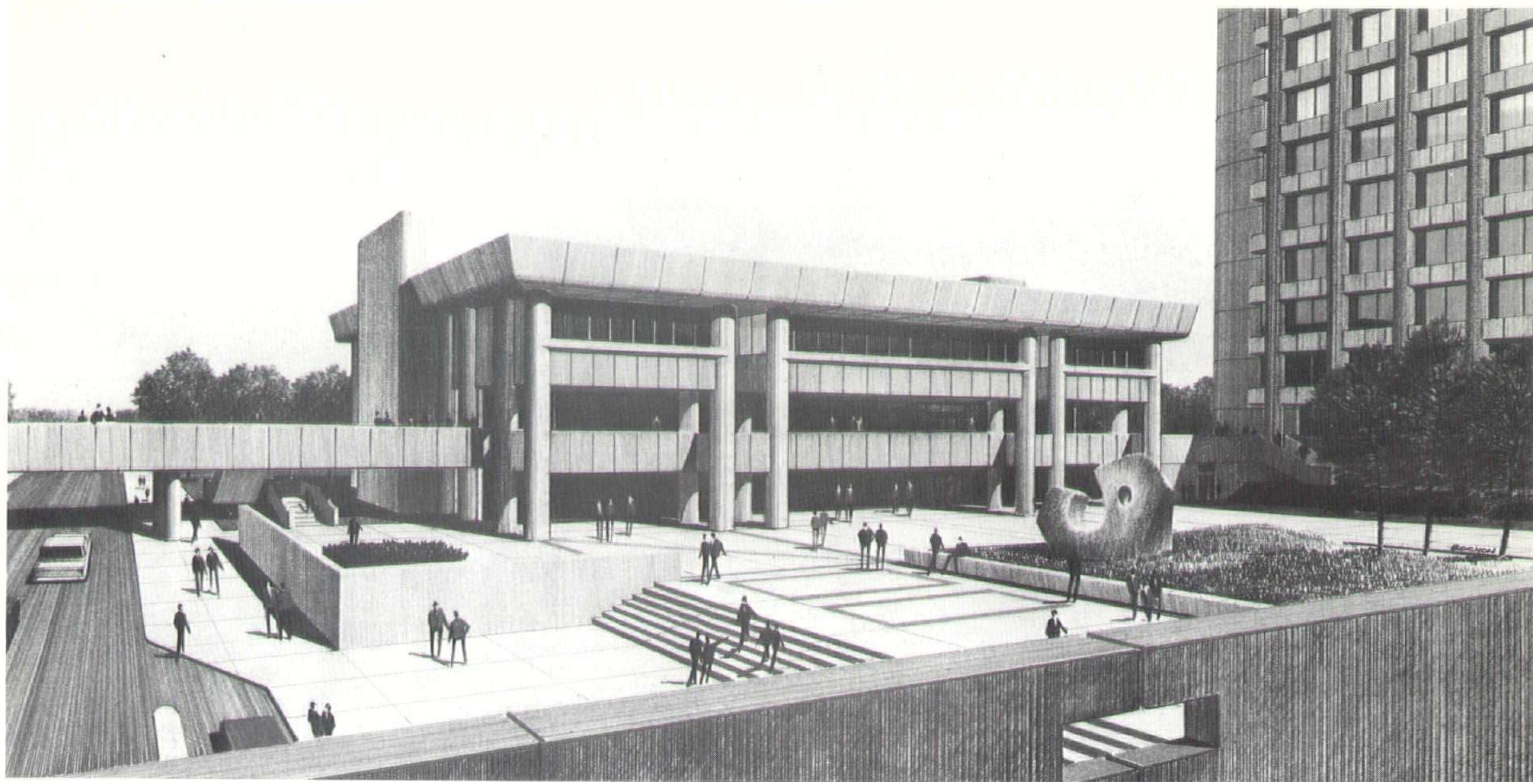
The Dental School Building is designed to house 320 dental students, technical laboratories, basic and dental science laboratories and clinical operating areas. The various administrative functions occupy a portion of the second floor, while the teaching departments and related clinics adjoin a central reception area on three floors. Additional facilities include space for the education of dental auxiliaries, teaching laboratories and an intramural practice area for faculty members. The dental school is connected by bridge links to the medical school and library.

The Academic Tower houses offices and research laboratories for the entire medical school faculty. The first two floors contain administrative functions and service facilities. The upper floors house the departmental offices and research laboratories. Animal holding areas on each research floor provide support for the research endeavors. Connected to the academic tower by an exterior concourse and connecting link, is the medical-instructional building whose structural elements reflect the internal functions of the building. The Medical Instructional Building will house 256 freshman and sophomore medical stu-



*Faculty Office and Research building. The library is at the left, the Medical Education facility at the right.*

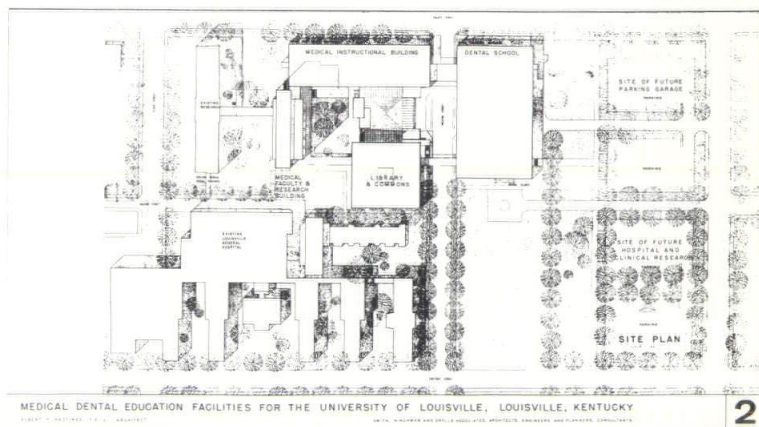




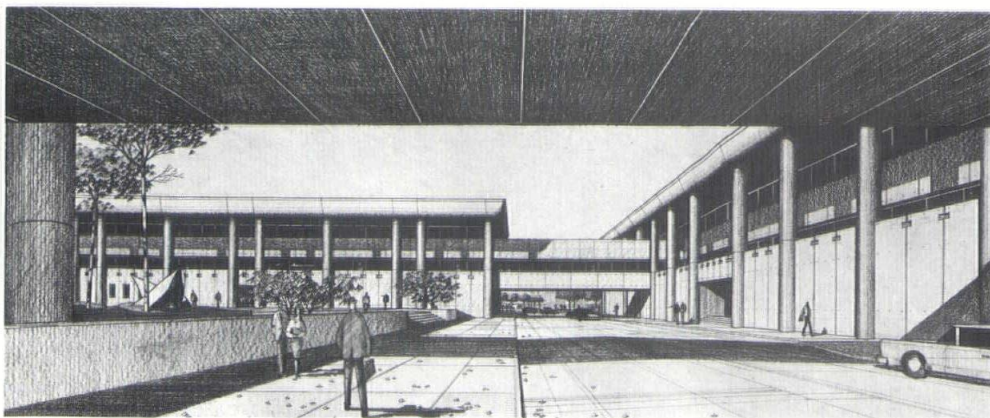
Library and Commons building.



Dental Education facility.



Master Plan for the Medical - Dental Facilities.



The Medical Education building is at the left.

dents. Based on the "unit laboratory" concept, each student will have a basic science space assigned for a full year. It also includes facilities for dental basic science instruction and graduate students.

The Library and Commons Building houses the medical library for the entire University, a 500-seat auditorium, book store and student cafeteria. It has a capacity of over 150,000 volumes contained on non-fixed shelving. An elevated concourse joins the library to the adjacent academic tower and dental school.



## UNIVERSITY CENTER

*Bowling Green, Kentucky  
Western Kentucky University*

*Architect: Johnson-St. Clair, Architects,  
Owensboro*

*Structural Engineers: Freeland Harris, Jr.,  
Madisonville*

*Mechanical and Electrical Engineers:  
Owensboro Engineering Co., Inc.  
Owensboro*

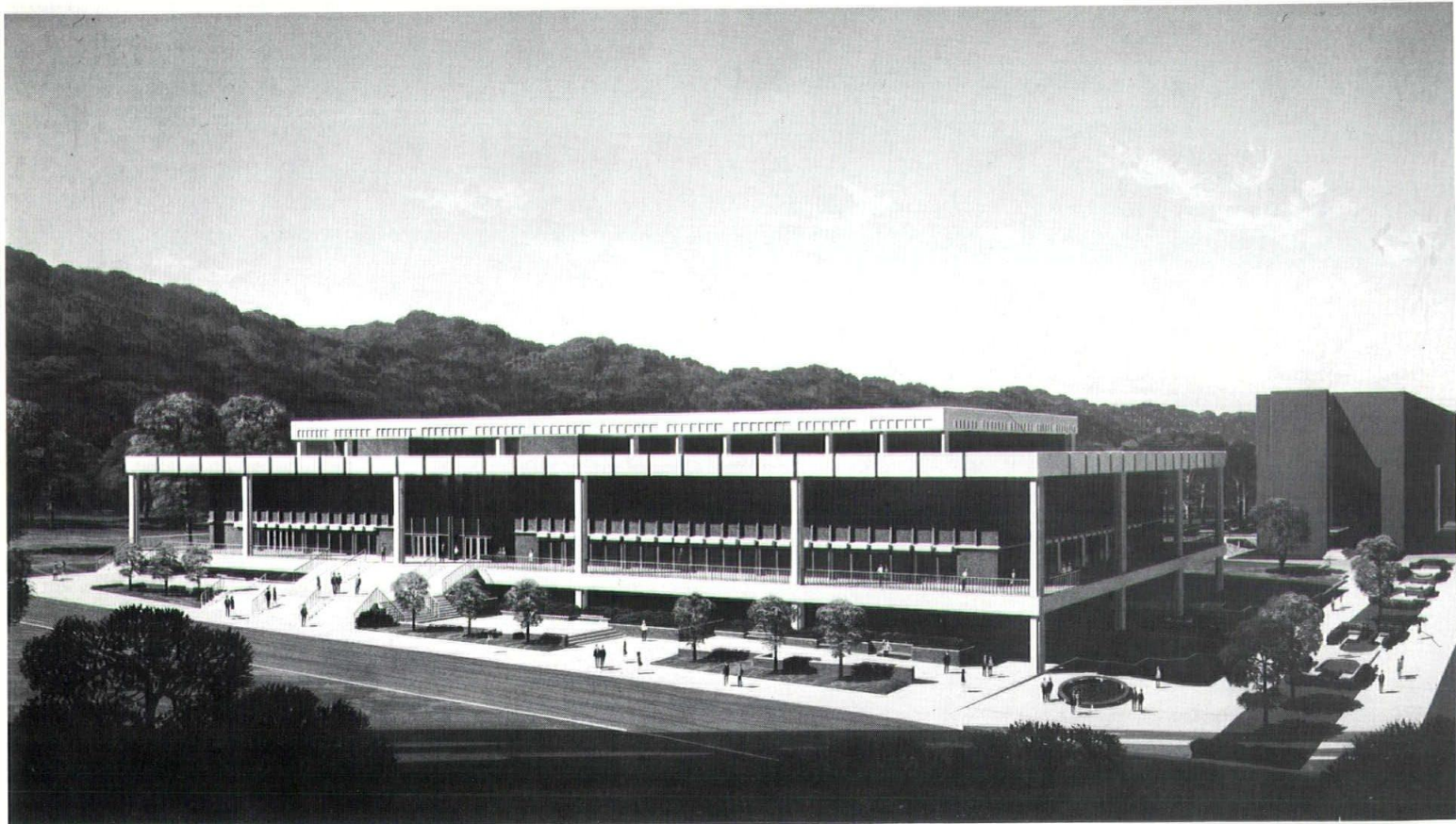
*Owner: Commonwealth of Kentucky  
and Western Kentucky University*

*General Contractor: J. A. Jones  
Construction Co., Nashville Tenn.*

The University Center, scheduled for completion in June, 1970, is located on a four-acre site adjacent to student dormitories and closely related to academic and athletic buildings. The building is designed for student, faculty and alumni for entertainment, leisure, dining, and study activities.

Those larger spaces required by the program include grill and cafeteria dining and kitchen areas; a 750-seat theatre; book store; bowling and billiard rooms; and various smaller related activity rooms and areas. A significant architectural and planning contribution of the project is the development and orientation of the building in relation to the street and the campus.

The low bid for total construction was \$3,980,000. The cost per square foot is \$23.10.





## CLASSROOM BUILDING

*Murray State University  
Murray, Kentucky*

*Architect: Peck Associates,  
Inc., Paducah*

*Consulting Engineers: Edward T. Hannan  
& Associates, Inc., Paducah*

*Landscape Architects: Scruggs &  
Hammond, Lexington*

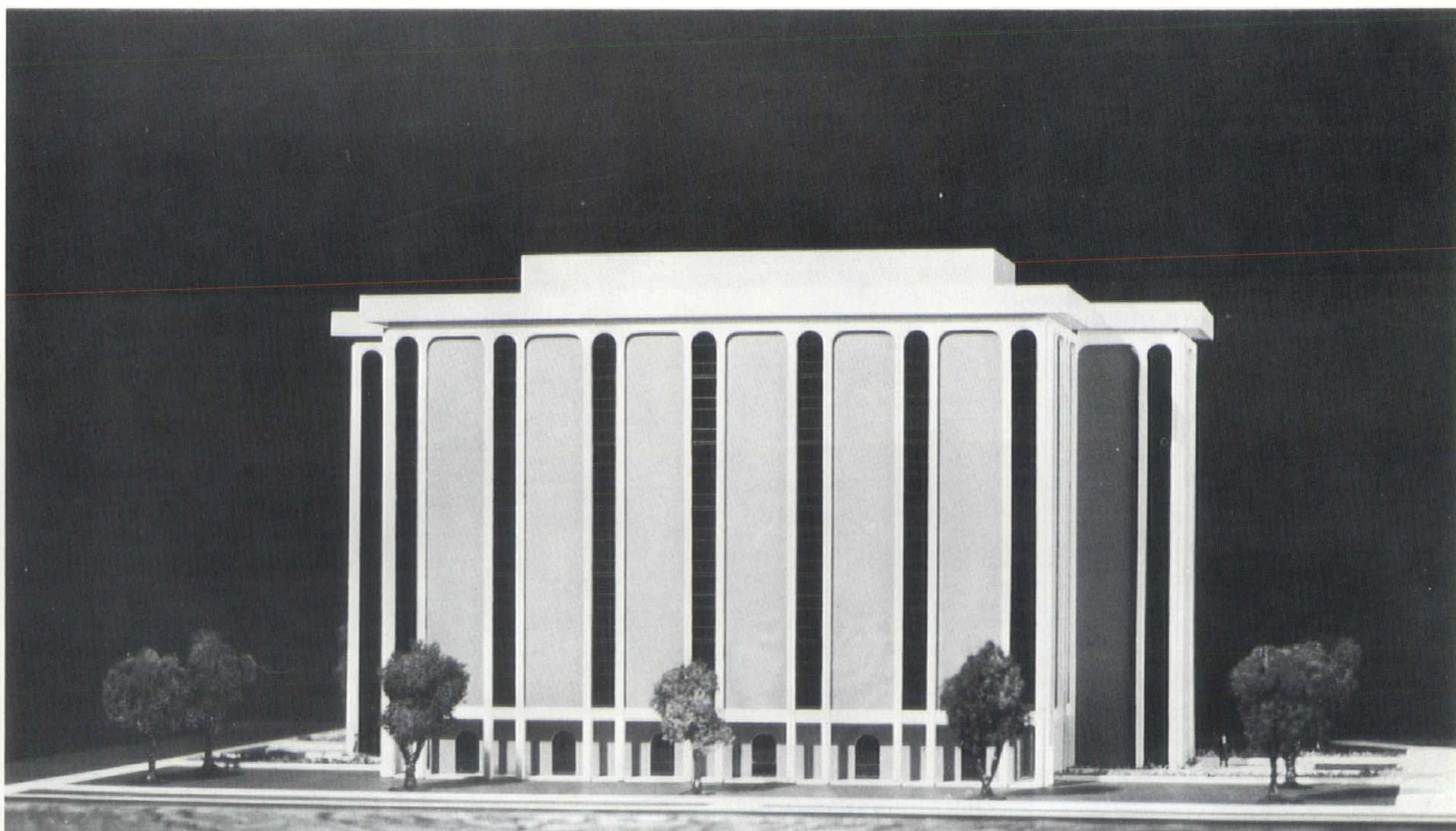
*Owner: Commonwealth of Kentucky  
and Murray State University*

*General Contractor: White and  
Congleton Co., Lexington*

The classroom building is being constructed to relieve conditions of overcrowded classrooms and inadequate office space in Wilson Hall which was built in 1925 and is the second oldest building on campus.

Initially, the new building will house several departments, including English, mathematics, history, communications, and foreign languages.

To be located between Wells Hall and the University School, the seven-story building will contain more than 111,000 square feet of floor space and include 53 classrooms, 122 private offices with eight reception areas. The estimated completion date is September, 1970.





## LIFE SCIENCES BUILDING

*University of Louisville  
Louisville, Kentucky*

*Architect: Louis and Henry, Architects  
& Associates, Louisville;*

*Lawrence P. Melillo, Louisville,  
Architect for Design;*

*Pietro Belluschi, Sasaki, Dawson and  
DeMay, Design Consultants*

*Mechanical Engineers: E. R. Ronald &  
Associates, Louisville*

*Owner: University of Louisville*

*General Contractor: F. W. Owens &  
Associates, Louisville*

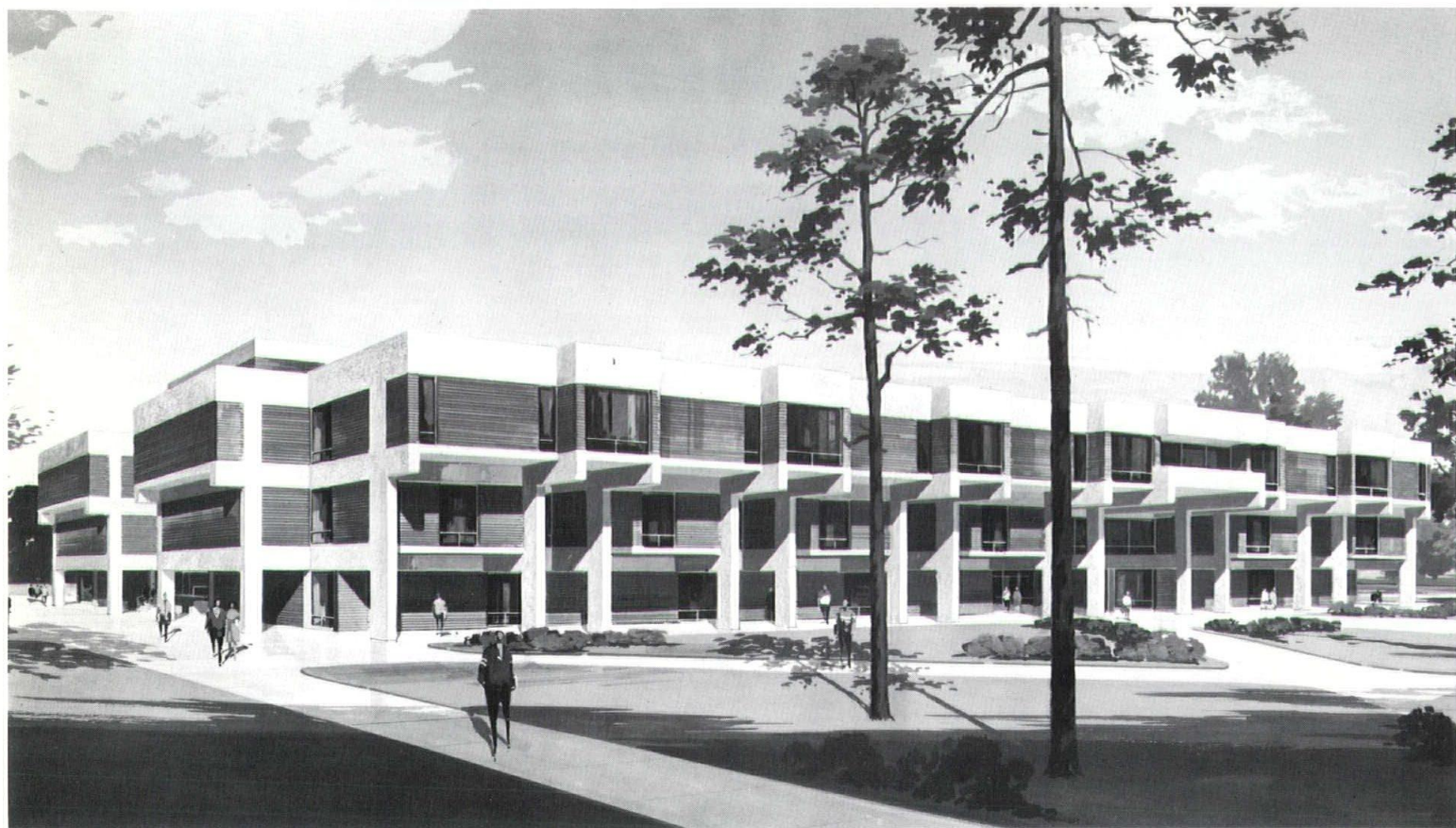
The building will be the first of a group being planned to form a Quadrangle in an area north of the present campus and will house the Biology and Psychology Departments of the University.

The structure, approximately 140' x 250', will consist of three stories and basement and will be of reinforced concrete beams, columns and slabs supported on concrete caissons bearing on solid rock. Exterior walls will be sandblasted concrete, brick, and dark bronze anodized aluminum curtain walls glazed

with bronze tinted heat absorbing glass; interior walls are face brick, masonry block, and concrete; floors are vinyl asbestos tile and carpet. The Penthouse will contain mechanical equipment. An auxiliary heating and air conditioning system will be incorporated for emergency use. Hot water and chilled water will otherwise be provided from a central heating plant.

The contract includes laboratory casework and special equipment for controlled environment rooms, lecture halls, library, classrooms and seminars.

In its final stage of construction this building's total cost, including equipment, is \$3,619,000; or a construction cost of \$28.41 per square foot.





## SCIENCE CENTER

*Pikeville College  
Pikeville, Kentucky*

*Architect: Chrisman, Miller & Wallace,  
Lexington*

*Structural Engineers: White, Walker  
and McReynolds, Lexington*

*Mechanical and Electrical Engineers:  
Bruce Kunkel and Associates, Lexington*

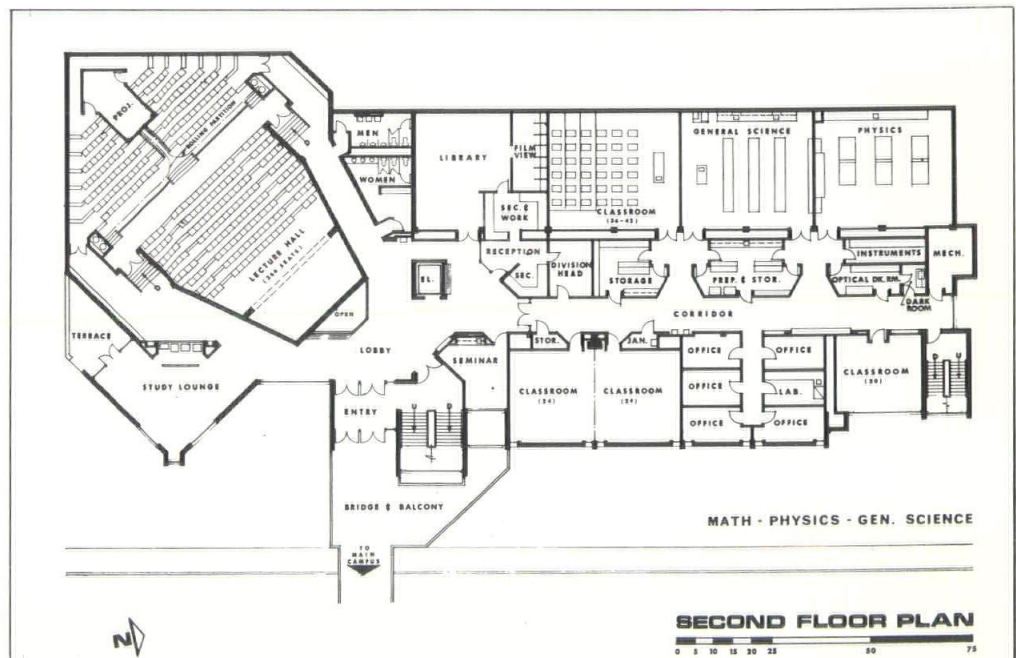
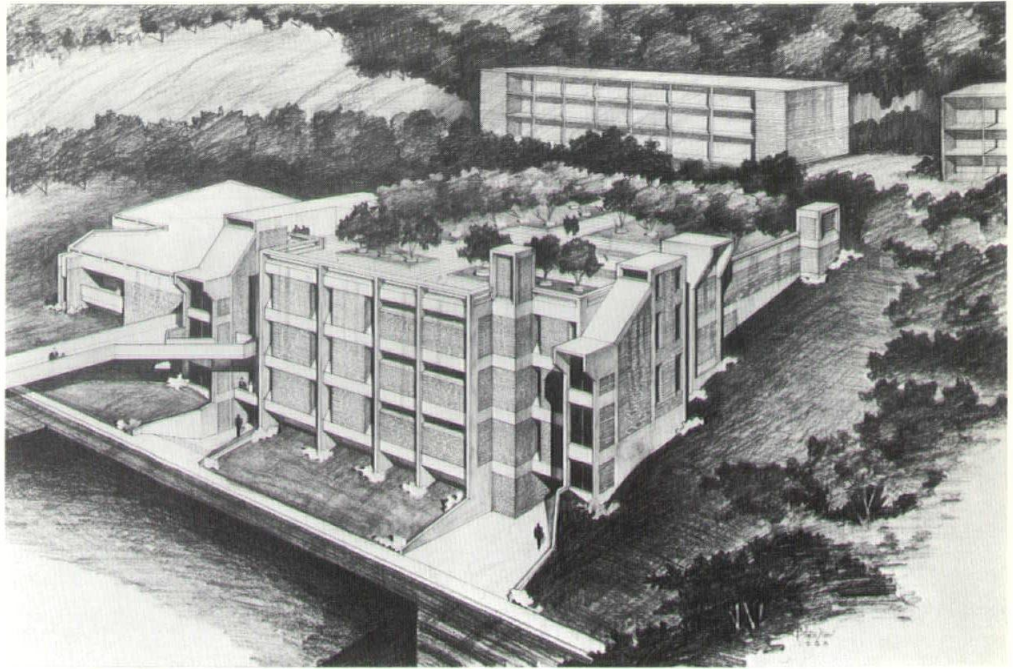
*Landscape Architects: Scruggs &  
Hammond, Lexington*

*Owner: Pikeville College*

The Owner's program requirements were to provide facilities for the science departments - physics, biology, chemistry, general science and mathematics - for an expanding enrollment at the four-year college to a capacity of 1,500.

The site is very restrictive, occupying parts of a hillside in front of two residence halls. The building is across a depressed street from the main campus, so it was desired to bridge the street for convenient circulation flow. Since the entire campus is on a hilly site with very little level ground, it was desired to provide roof-top plazas for student use, especially in connection with the residence halls. It was also desired to provide circulation flow from the residence halls across the roof plazas to the bridge by means of a free access stairway that could be locked off from the building. Because of the nature of the site, ground level entry and egress is provided at each floor level.

Laboratory facilities are provided for each department as well as faculty offices and laboratories. Classrooms and seminar rooms are located so that they can be used for purposes other than the science department. A multi-use lecture room is provided that can be divided into three smaller lecture rooms - two with 57 seating capacity and one with 152 capacity. Space for data processing is provided as well as space for a future television production studio. The building is to be totally electric and completely air conditioned. The estimated cost including the laboratory equipment is approximately \$2,100,000. Construction is expected to start sometime during the summer of 1969.





## PHYSICAL EDUCATION BUILDING

*Eastern Kentucky University  
Richmond, Kentucky*

*Architect: Hartstern, Schnell,  
Associates, Louisville*

*Consulting Engineer: E. R. Ronald &  
Associates, Louisville*

*Owner: Commonwealth of Kentucky  
and Eastern Kentucky University*

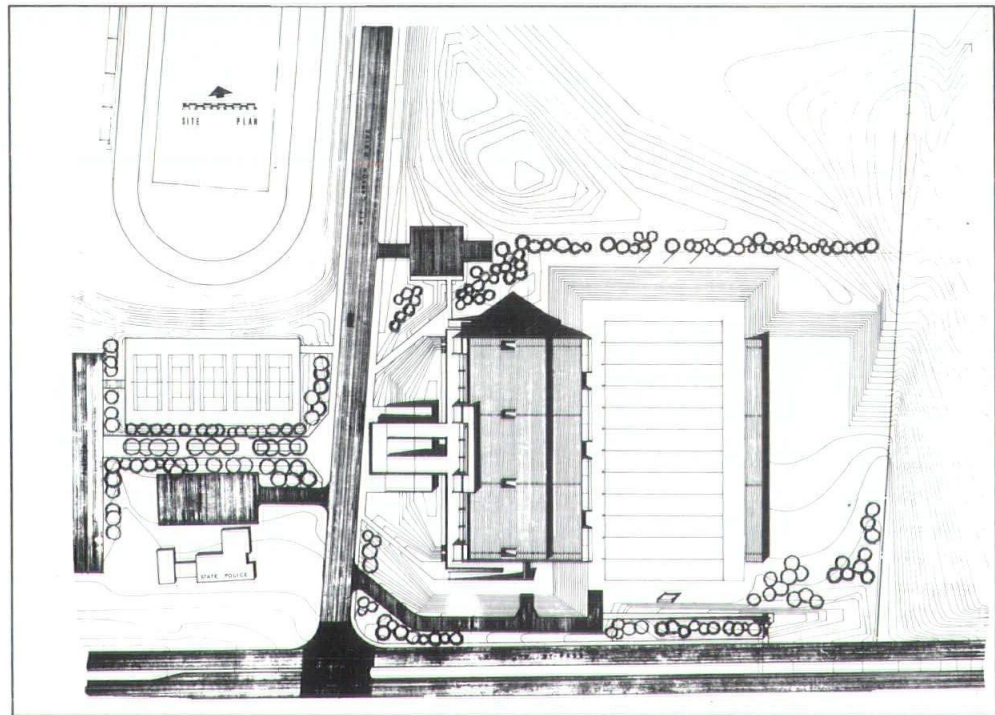
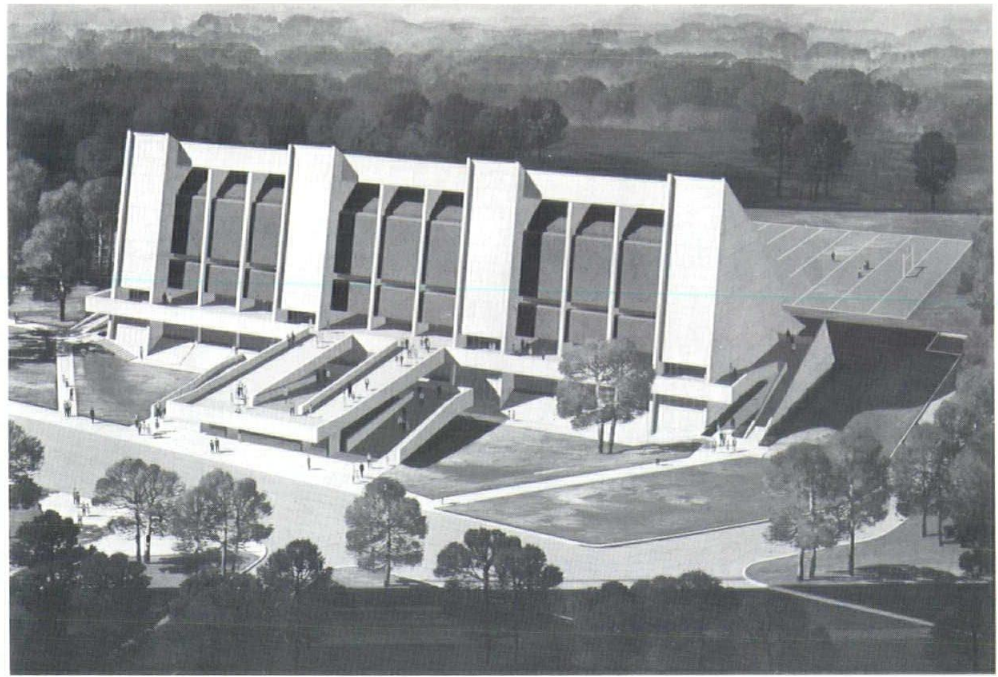
*General Contractor: Clark Engineering  
and Construction Co., Owensboro*

Scheduled for final completion in November, 1969, this educational facility contains nine levels and is designed to serve three functions, each completely isolated from the other. The building will provide for a comprehensive and versatile program in Physical Education, Law Enforcement Training and Military Science Instruction.

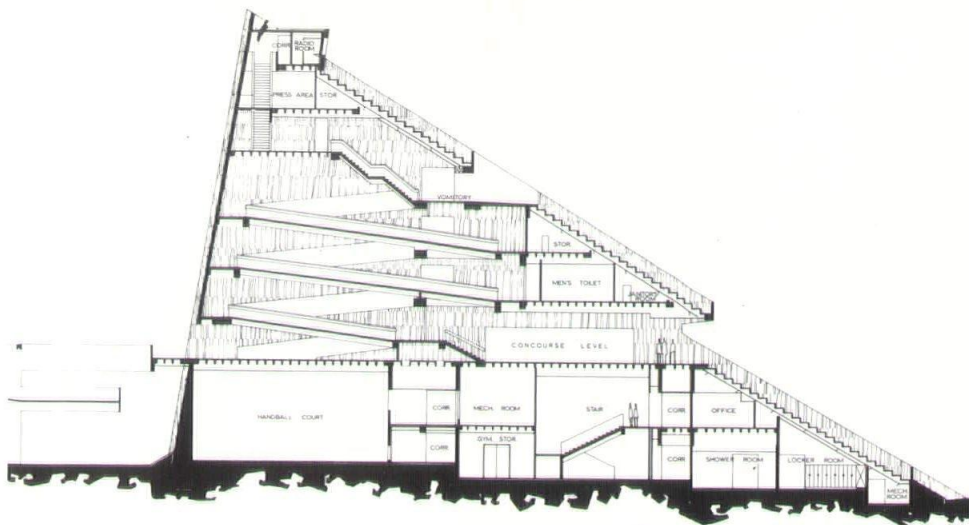
The Physical Education Area has two levels which houses three gymnasiums, 12 handball courts, lecture room, locker and shower rooms, physical fitness rooms, 20 offices, conference room, and lounges.

The Student and Public Assembly Area is on Level Three and contains access ramps, concession areas, rest rooms, First Aid room, box seats, student and public seating.

The Academic Section and Roof of Levels Four through Eight includes classrooms, offices, lounges, restrooms, the mechanical equipment for the entire building, snack bar, seating for 20,000 spectators. Level Nine contains the press box and observation booth.

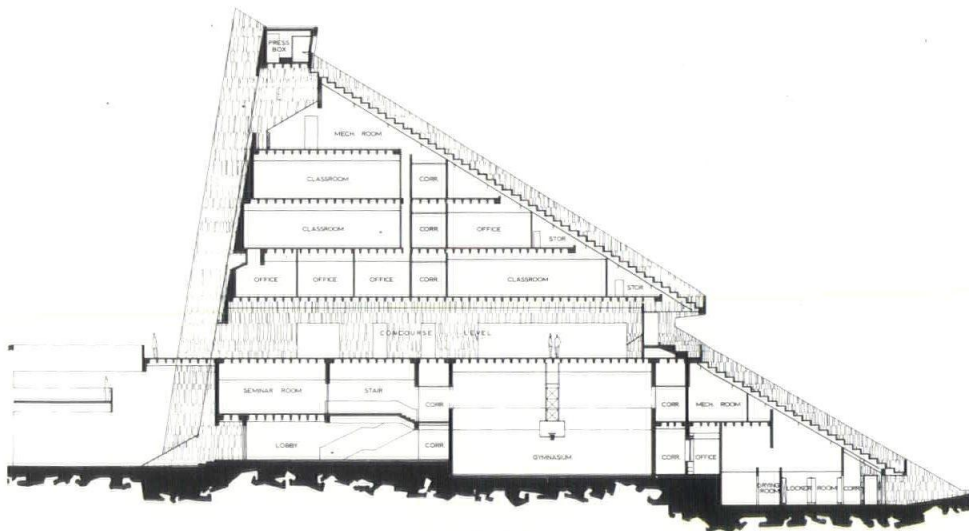






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## SCIENCE BUILDING

Georgetown College  
Georgetown, Kentucky

Architects: Johnson-Romanowitz,  
Architects, Lexington

Structural Engineers: White, Walker  
and McReynolds, Lexington

Mechanical Engineers: Staggs and Fisher,  
Lexington

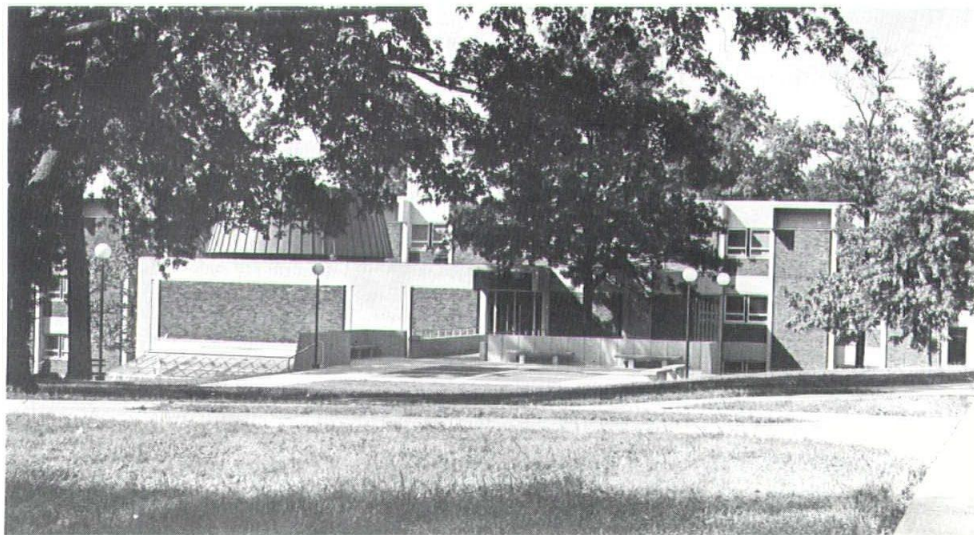
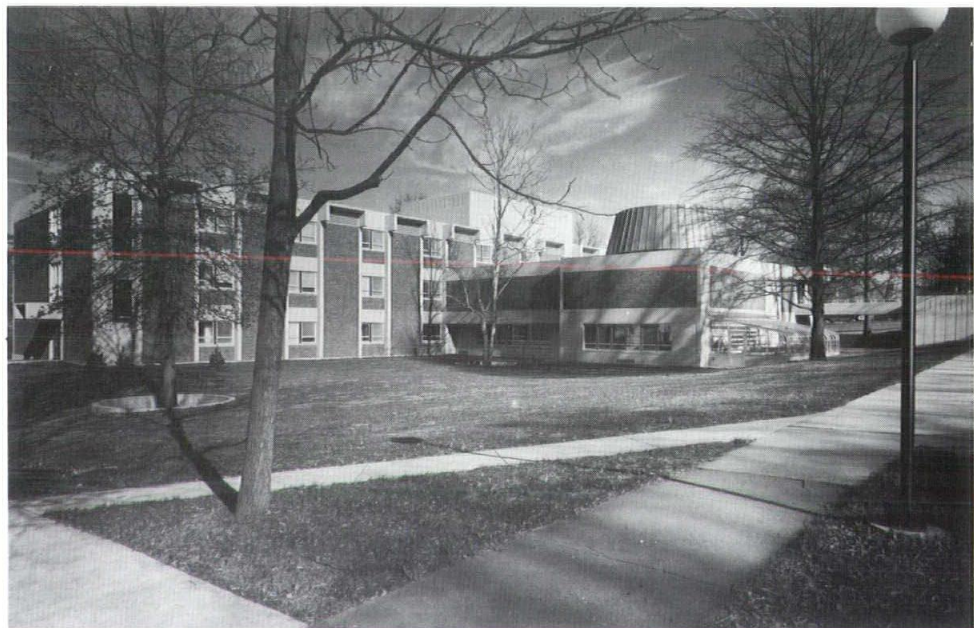
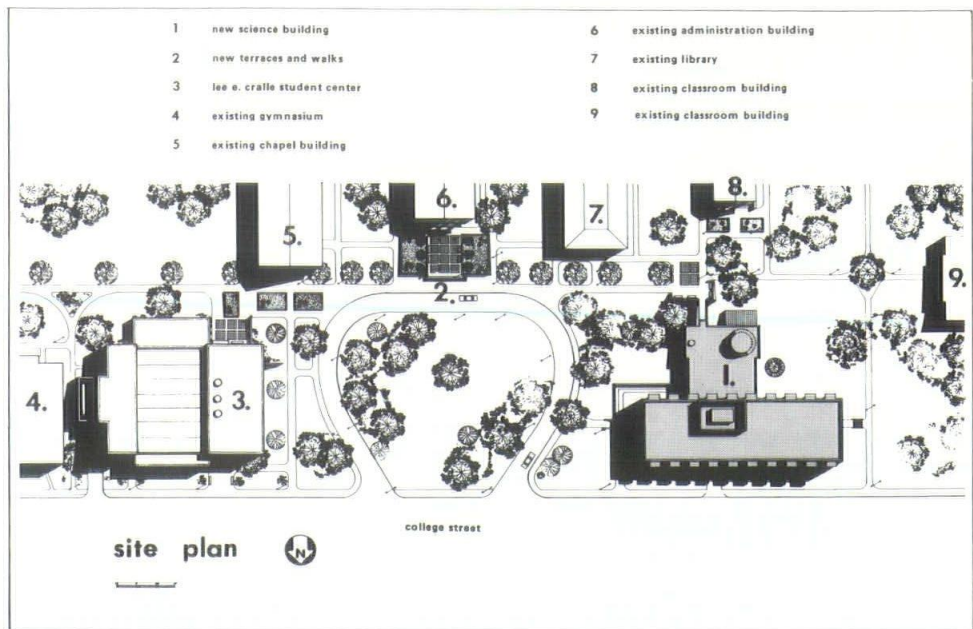
Owner: Georgetown College

General Contractor: Hargett Construc-  
tion Co., Lexington

The building is located on a prominent  
site in a campus of predominantly  
Georgian design.

The entire multi-disciplined science  
department, including all offices, lab-  
oratories and classrooms is housed in  
the building, a condition permitted by  
the buildings adaptability for multi-use  
and flexibility of spaces and services;  
partitions can be relocated on ten foot  
modules, and services can be extended  
from the central service spine to any  
portion of the three story wing. Special-  
ized areas where less flexibility is re-  
quired are located in the Planetarium  
(South) wing.

The cost of the building, with all site  
work and fixed equipment, including  
planetarium, was less than \$30.00 per  
square foot.





# RESEARCH FACILITIES

University of Kentucky  
Lexington, Kentucky

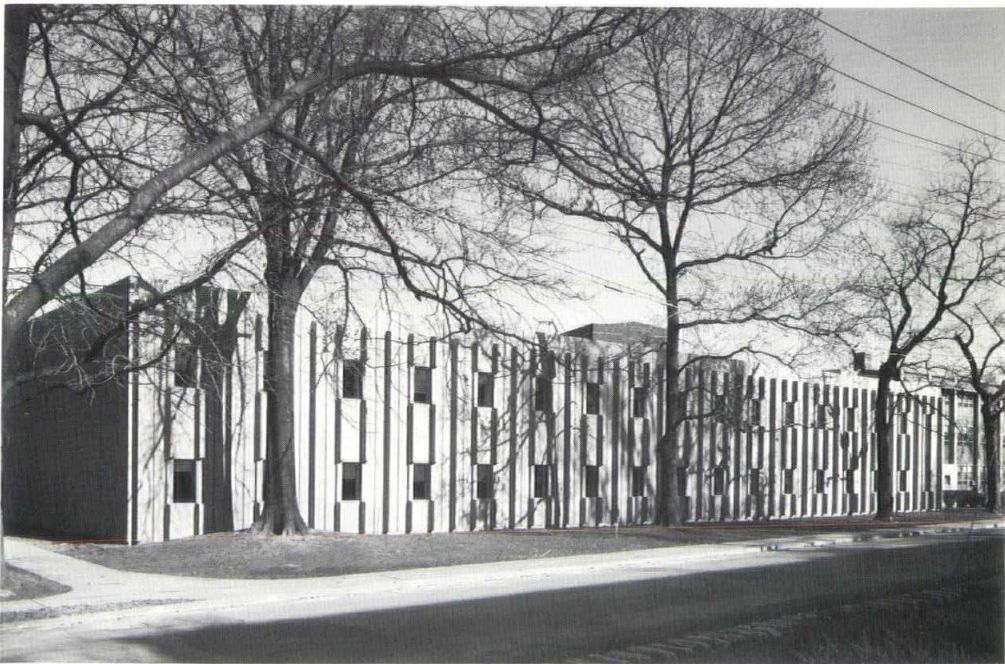
Architect: James B. Tune, AIA Architect,  
Lexington

Owner: Commonwealth of Kentucky  
and University of Kentucky

General Contractor: White and  
Congleton, Co., Lexington

Early in 1968, demands for immediate research space prompted the University to seek proposals from manufacturers of "instant" or "prefabricated" type structures for construction of two buildings on a turn-key basis. Criteria for design and construction, as formulated by the University Architect, included suggested laboratory layouts and minimum requirements for equipment, environmental conditioning, and structure. Another particularly important factor was a specified construction time of 120 days. Within the latitude permitted by these criteria, and with no limitations on actual materials and methods of construction, each bidder was required to present a complete architectural solution as part of his proposal. Four proposals were received and evaluated by a committee of University and Commonwealth officials on the basis of quality of design and construction as well as cost.

The larger of the two buildings is located adjacent to the Pharmacy, Biological Sciences and Home Economics buildings and contains 26 laboratories of identical layout. The second building houses 18 similar labs and is to be shared by Research within the Medical and Dental Colleges. Both Buildings are under the direction of the Vice President of Research and will be allocated to various research projects on the basis of priority within the solution of the University's total research endeavors. Both buildings are constructed of concrete floors and steel framing with exterior walls of precast concrete. They are completely air conditioned, with the energy supplied by electrically driven roof mounted units. All laboratory benches are served from utility services at the ceiling. Each individual lab space has 35 linear feet of lab bench, plus 28 feet of work counter and wall cabinets, a fume hood, and a small private office. Within



Both views: Research Facility No. 2

each building, there is an instrument room for making and repairing equipment, an electrical re-distribution station, a distilled water boiler room, an emergency generator and a central autoclave.

Because of the extremely short time in which these buildings were programmed, designed and constructed, a critical problem in the University's research program was solved. There were some reservations about the visual effect of "prefabricated" structure but the completed buildings are now considered definite assets to campus architecture.



## PROFESSIONAL EDUCATION BUILDING

*Morehead State University  
Morehead, Kentucky*

*Architect: Lee Potter Smith, Pritchett,  
Hugg & Carter, Inc., Architects and  
Engineers, Frankfort*

*Structural Engineers: Senler-Campbell  
Associates, Louisville*

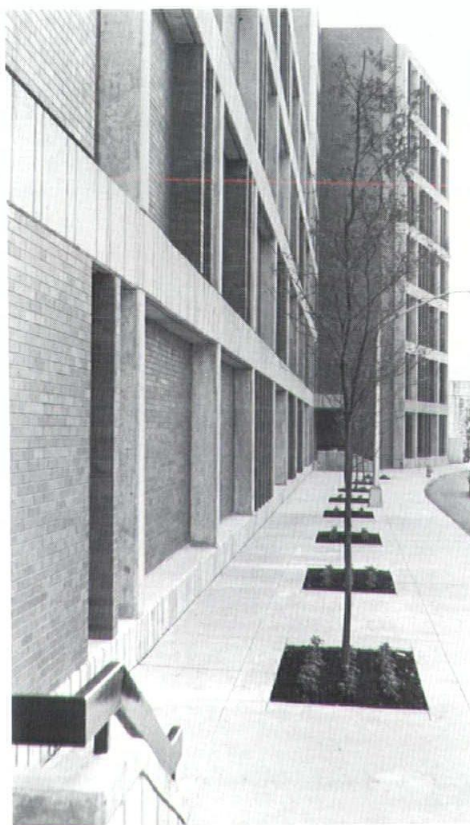
*Owner: Commonwealth of Kentucky  
and Morehead State University*

*General Contractor: Frank Messer and  
Sons, Inc., Cincinnati*

The program for the Professional Education Building at Morehead State University called for a project solution which would express the new urban scale of the growing Morehead campus, yet still relate to the much older buildings surrounding the site. The 100,950 sq. ft. building complex, contains and expresses a nine story administrative - faculty office tower, a six story classroom - laboratory unit and a four story unit housing audio-visual, television, and F. M. radio broadcast facilities.

The rather steep hillside site is located in the center of the Morehead campus immediately behind Rader Hall.

The office tower portion is between soon-to-be renovated Rader Hall and Allie Young Hall and is joined to the classroom - laboratory unit. A pedestrian mall links the classroom building with Rader Hall and extends northeasterly past the ETV facility situated at the east end of the building.





## PARKING STRUCTURE NO. 1

University of Kentucky  
Lexington, Kentucky

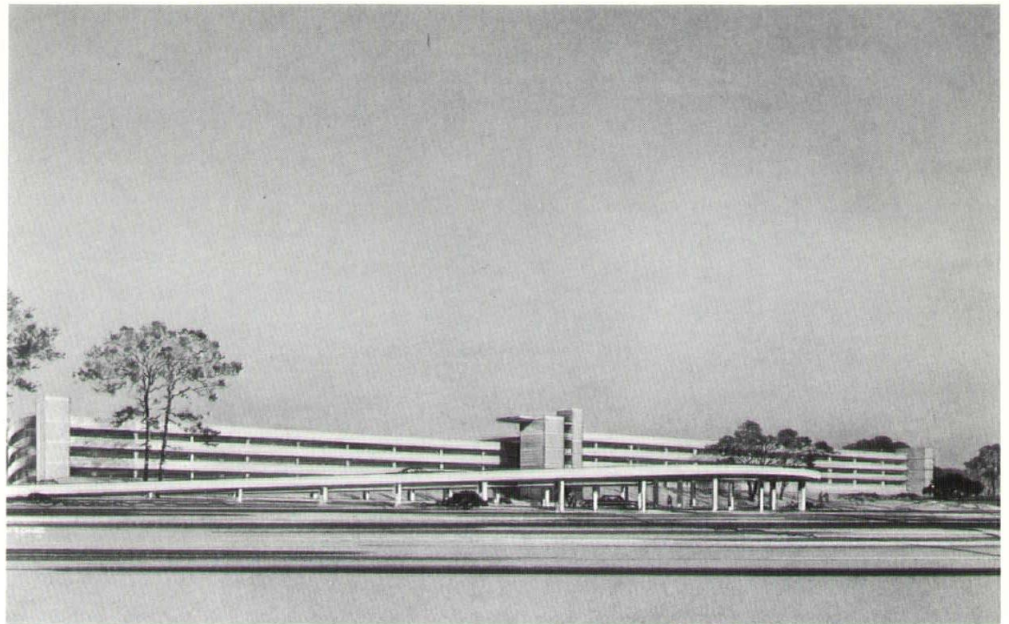
Architect: Caruthers A. Coleman, Jr.,  
AIA, Lexington

Structural Engineers: White, Walker  
and McReynolds, Lexington

Mechanical and Electrical Engineers:  
Hugh Dillehay and Associates,  
Lexington

Owner: Commonwealth of Kentucky  
and University of Kentucky

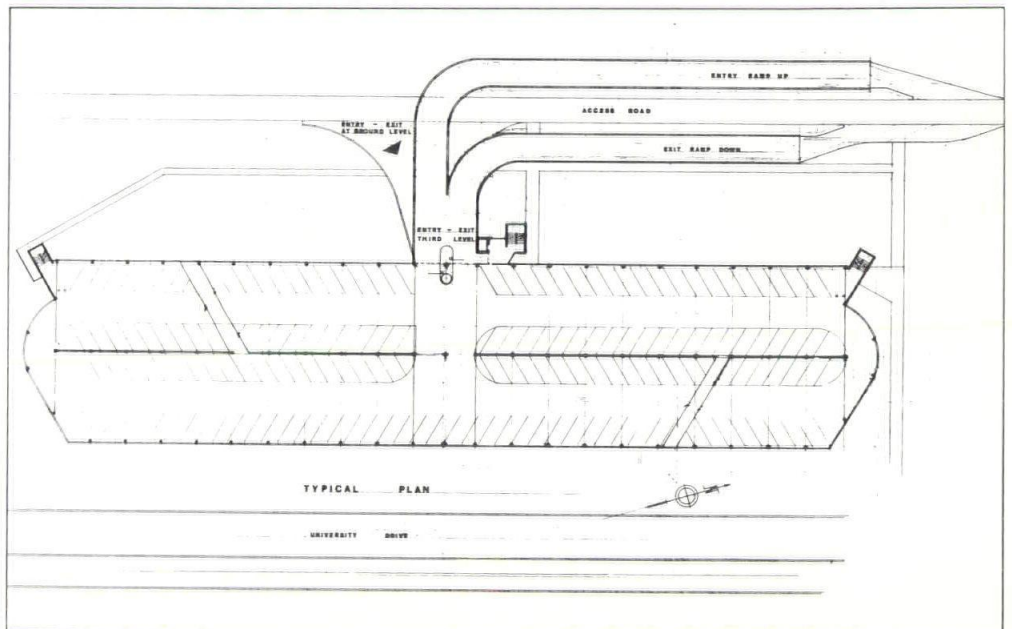
General Contractor: Foster &  
Creighton Co., Lexington



This is an automobile parking facility for a narrow but long site on the South perimeter of the Campus near the Agricultural Science Building and Hospital Complex.

The objective of the building design is to provide the maximum number of parking spaces for self-parking (676 spaces) compatible with a partially formulated campus automobile traffic plan prepared by others. The West side access road having been designated as the automotive feeder to the parking facility; the entry and exits are all to this road. To facilitate this loading and unloading of the structure, automobiles enter and exit both at ground and third floor levels. Should future traffic patterns evolve in such a manner as to require automotive access to the structure from University Boulevard along the East side of the structure, it has been so designed to allow this to be accomplished at any future date. Control of automobile traffic is through automatic card or coin-operated gates which, at peak periods, can be locked open for a part-time attendant to more quickly load or unload the structure.

A structural system of post-tensioned beams and slabs was selected so as to eliminate cracking of the concrete slabs and to allow an economical spanning of the 56 feet required. Exposed concrete throughout with the exception of three brick faced stair towers, and one elevator shaft. Earth is bermed up around the base to visually lower the building into the ground.





## KSA NEWS NOTES

### K. S. A. MOVES TO NEW OFFICES IN FRANKFORT

Arnold M. Judd, President of the Kentucky Society of Architects, has announced that the Society has moved from its temporary headquarter at 213 St. Clair Street, Frankfort, to permanent offices at 333 W. Main Street, Frankfort. The telephone number remains the same: 875-3286, area code 502.

The new headquarters will contain the office of Charles J. Hellman, K. S. A. Executive Director, and editorial and advertising offices for the KENTUCKY ARCHITECT, the official monthly magazine of the Society.

### NEW MEMBERSHIPS

Boyce D. Ross and Lyman Stevens, both of Paducah, and Davie G. Crawley of Owensboro have been admitted to corporate membership in the American Institute of Architects. All are members of the newly-created West Kentucky Chapter of the Kentucky Society of Architects.

The AIA has notified 12 corporate members of the new West Kentucky Chapter they have charter membership in the new chapter. They are: Richard M. Beach, John W. Bradley, Jr., Curtis E. Flannery, James "Bob" Gresham, G. Anthony Johnston, John C. Keeling, Don O. Peck, and Gary E. Peck, all of Paducah; Max W. Bisson, R. Ben Johnson and Frederick G. St. Clair, Owensboro; and H. Lawrence Casner, Madisonville.

The East Kentucky Chapter of the Kentucky Society of Architects has granted Associate Memberships to Frank S. Andrews, St. Paul, Ky., and Richard A. Hisel, Lexington.

The Kentucky State Board of Examiners and Registration of Architects has registered Hobson G. Coleman, Lexington, and Arthur F. G. Pritchard, Louisville, for the practice of architecture in the Commonwealth.

### K. S. A. OFFERS THREE NEW COLOR-SOUND FILMS

Three new color-sound films, produced by the American Institute of Architects, are available to clubs and organizations for their programs. The films, cleared for television and receiving national distribution and attention, are: "Right of Way", a study of the highway situation, 16 mm, 13:40 minutes; "The Noisy Landscape", a study of signs in our civilization, 16mm, 13:20 minutes; and "The Best We Can Do", a study of the suburban scene today, 14:40 minutes.

These films may be borrowed by contacting Charles J. Hellmann, Executive Director, Kentucky Society of Architects, P. O. box 557, Frankfort, Ky. 40601. Phone: (502) 875-3286.

### SPECIFICATIONS WRITER WINS NATIONAL AWARD

Harold W. Cox, head specifications writer for Hartstern, Schnell, Architects and Engineers, Louisville, was one of 35 award winners in The Construction Specifications Institute's 1969 Annual Specifications Competition. The awards were made in eleven categories of construction including awards for projects in foreign countries.

Mr. Cox's Honorable Mention Award, in the category of Commercial Buildings, was for the specifications for the Headquarters Office Building of the Louisville Chapter of the Associated General Contractors.

### 1969 AIA HONOR AWARDS WINNERS ANNOUNCED

A \$21.6 million city hall, a low-cost elementary school, a restored theater, and a small rehabilitation center for ex-addicts are four of the 16 winners of 1969 AIA Honor Awards, the nation's highest professional recognition for architectural excellence, by The American Institute of Architects.

The 16 were selected from 465 submissions; last year, 20 were selected out of 377 submissions. And, the Jury noted that the quality of the submissions was higher, that "there was much more pervasive excellence—the highest level of competence."

The diversity of winning entries may be attributed in part to a special effort which was made to encourage urban design projects and historic preservation or restoration projects. In turn, there were 27 preservation or restoration submissions (as compared with only one in 1968), and approximately 20 that were classified as "urban design."

Other winners in the 1969 competition were a company cafeteria, rural library, row housing project, athletic stadium, married college student housing, sculpture wing for an art center, junior college, art museum, headquarters office building, convent, girls' dormitory, and a private residence.

### EDUCATION FACILITIES IS THEME FOR ISA-KSA CONVENTION IN OCTOBER

"Education Facilities: 1970-2000" is the theme for the 1969 Indiana Society of Architects-Kentucky Society of Architects East Central Regional Convention to be held in Evansville, Ind., October 2-4, at the Ramada Inn and Convention Center. The East Central Region consists of architects from AIA chapters in both states.

The joint convention begins with registration at 9:00 am, Thursday, October 2, and ends with the annual banquet at 7:00 pm, Saturday, October 4. Included in the program will be three theme sessions, business meetings, tours, and building products exhibits.

### INTERESTED EXHIBITORS

To insure ample exposure for exhibitors all convention sessions will be held directly in the exhibit area. Formal and informal viewing times will be arranged for maximum promotion of products. A "Prospectus for Exhibitors" is now available. It includes a tentative convention schedule, general information sheets, display booth description sheets, and applications for exhibit space. For information and applications contact: Charles J. Hellmann, Executive Director, Kentucky Society of Architects, P. O. Box 557, Frankfort, Ky. 40601, or phone (502) 875-3286.

The program committee has announced that all theme sessions will be devoted to new concepts in design and construction and the factors which determine the costs of educational facilities at the elementary

and secondary levels, the ways to hold these costs to the absolute minimum commensurate with facilities which can provide for educational excellence, and to formulate programs to effect changes to permit fiscal responsibility at all levels.

All speakers will be of national prominence and selected from the fields of education as well as architecture. Guests invited to the convention will include members of the Kentucky and Indiana legislatures and educational administrators from both states.

### OPPORTUNITY IN HUD PROGRAM

"The American Institute of Architects is gratified to see the effort to make significant improvements in the quality and increases in the quantity of housing in the United States described in 'Operation Breakthrough' by the U. S. Department of Housing and Urban Development," said architect George E. Kassabaum, FAIA, President of the AIA, following the recent meeting at HUD.

Mr. Romney called the meeting to announce details of the program which is geared at providing housing for all income levels through a partnership of labor, consumers, private enterprise, and local, state, and federal government, with the use of modern techniques of production, marketing, and management.

AIA representatives, in addition to Mr. Kassabaum, included: William H. Scheick, FAIA, Executive Director of the Institute; Jack C. Cohen, AIA, chairman of the AIA committee on Housing, and Jackson Wright, director of Housing Programs at the AIA.

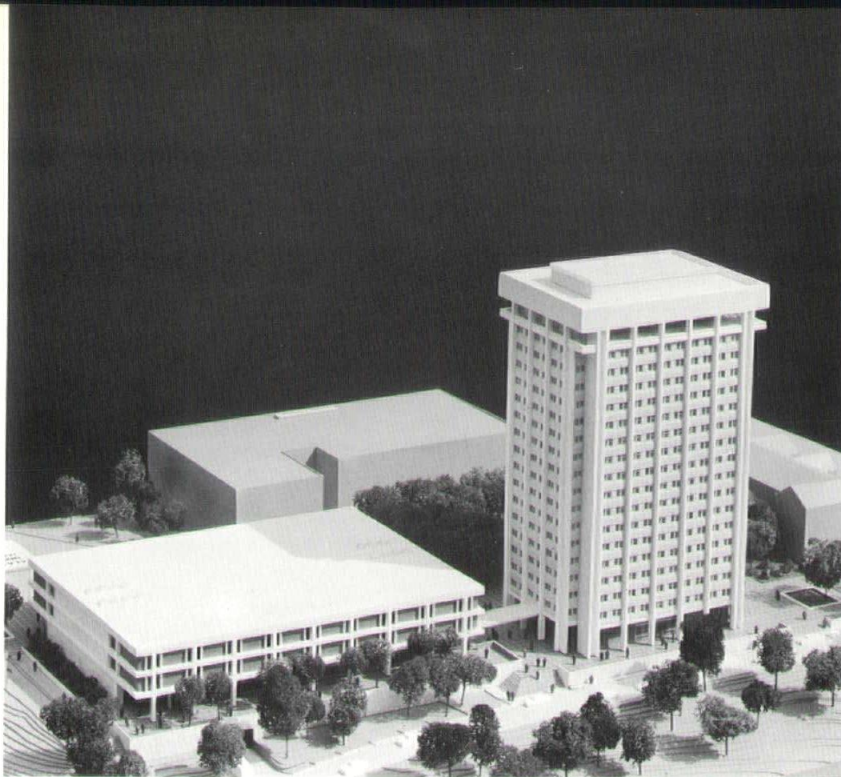
The points of the program which President Kassabaum noted would be of special interest to architects are: 1) HUD will select five teams capable of developing new designed, high volume, rapid delivery housing systems of improved environmental quality at reasonable costs, and 2) HUD will assist and encourage development of testing procedures and identification of appropriate standards to provide a basis for evaluation of the necessary innovation and implementation of the materials and procedures.

Also, 3) after HUD's evaluation, design and development contracts will be awarded to those submitting the best and most promising solutions and design concepts, and 4) the contract for prototype design and development will contain an option clause permitting HUD to revise and, if necessary, eliminate those systems found inadequate.

Mr. Cohen pointed out that, "much of the thrust in the program coincides with the recommendations made by the Douglas Commission" but he said, "We remain concerned about the living quality of high volume production of housing. It is up to each individual architect to see that he is used in an effective way."

Commenting on the manner in which the "Breakthrough" experiments are represented to the public and the building industry, Executive Director Scheick said, "Everyone should be made to realize that all will benefit by success in this program. When the housing volume is increased from 1.5 to 2.6 million units, the markets for the industry will be increased by nearly 16 1/2 billion dollars. That is great opportunity for the whole industry . . . to say nothing of the benefits to the public."





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Architects: Johnson - Romanowitz, Lexington

Structural Engineers: White, Walker & McReynolds, Lexington

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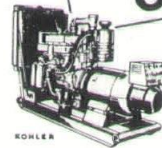
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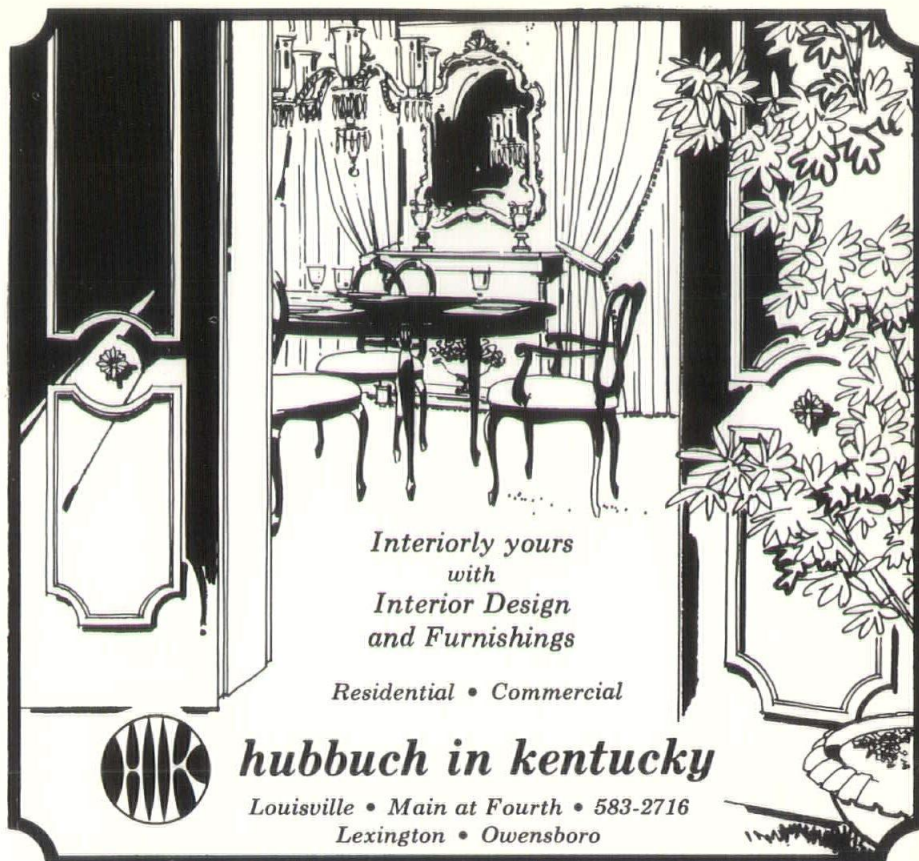
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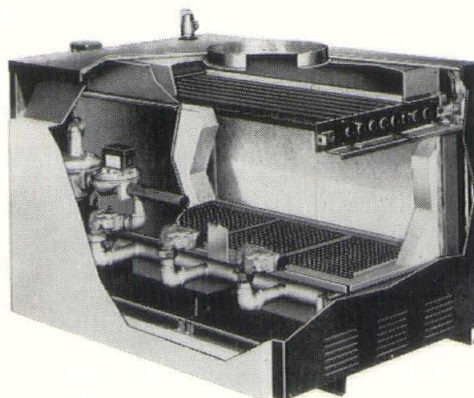
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