

The Ohio Architect

OHIO STUDENT PROJECTS

THE OFFICIAL PUBLICATION OF THE ARCHITECTS SOCIETY OF OHIO

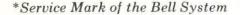
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The Ohio Architect



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ASO ANNUAL MEETING PREVIEW

Architects should be better salesmen of their services as a result of this year's ASO Annual Meeting, which takes place October 17-19 (Thursday through Saturday) at Dayton's Sheraton-Dayton Hotel. "Effective Marketing of Professional Services" is the theme, and will be the subject of a special panel and discussion on Friday. • A Continuing Education Seminar preceding the meeting on Wednesday, October 16, will deal with profit planning in architectural practice. • Newly-installed AIA President, George E. Kassa-baum, is scheduled to speak at Saturday evening's banquet. • Other Saturday features include the AIA Percent and the traditional include the AIA Report and the traditional Awards Luncheon. Honor awards to architects and building owners, as well as awards to students and exhibitors, will be presented. A luncheon at the Shrine Club and a ballet demonstration are among the many events planned for wives by the Dayton host chapter's active Women's League. • The Dayton Art Institute will be the scene of Thursday evening's ice-breaker. • At the Sheraton-Dayton, both continental breakfast and cocktail hours will be observed in the exhibitor's area, permitting fortified browsing morning and evening. • Beautiful Dayton, home of aviation, is located on the Great Miami River at the influx of the Mad and Stillwater rivers. The city was settled in 1796 and is a shipping and industrial center producing cash registers, refrigerators and air conditioning equipment, precision tools, lighting equipment, motors, and aircraft and auto parts.



OHIO STUDENT PROJECTS

On the following pages, **The Ohio Architect** presents examples of student work from Ohio's schools of architecture. Selections were made by the individual school concerned.

The Ohio University School of Architecture, Design and Planning selected two Fifth Year theses, "Coal Museum for Murray City, Ohio" by John Berryhill, and "Synagogue" by Lonnie Fouty; and a Third Year Design Class project, "Elementary School" by Kenneth H. Martin.

The Ohio State University School of Architecture submitted the designs of Gary Cannella, Robert Vennemeyer and John Grauduss for "A Commercial Center for the Arts," the project of the Fifth Year Class in Architectural Design.

Three Senior Architectural Design Projects were chosen by the University of Cincinnati College of Design, Architecture, and Arts: "A Community Center for the 'Over-the-Rhine' District of Cincinnati" by Stephen L. Salva, "A Food Distribution Center for Baltimore, Maryland" by Donald Smith, and "Chicago Public Library" by Motohiro T. Brown.

The winning team effort in the Fourth Year student design competition to analyze and develop the commercial core of Oxford, Ohio, was selected by the Miami University Department of Architecture. Team members were John Kanastab, Craig Martin, Joe McAnarney, Bruce Meyer, and Bruce Taylor.

Case-Western Reserve University submitted examples of Studio Work of the Junior Year: a vacation residence designed by third year students, and a plan for a high density housing area by John Claypool.

Kent State University selected the design of a team of fifth year students for a "new town" in northern Summit County, Ohio.



CLIMATE OF INVOLVEMENT: STUDIO WORK OF THE JUNIOR YEAR

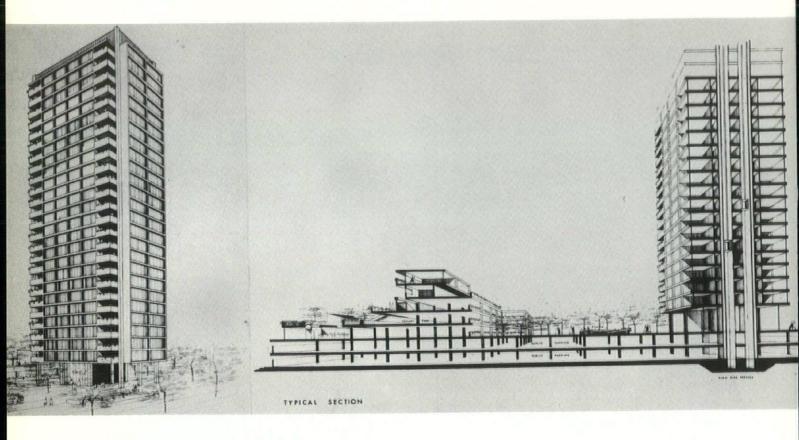
Third year students dealt with a variety of problems involving social, economic and physical aspects of the urban environment of Cleveland. Projects were generated from the existing circumstances of life and living in the community and students were encouraged to develop programs for these problems by direct contact with and observation of specific environmental situations with emphasis upon the needs and aspirations of the people. Teams or individuals collaborated with several agencies active in the city: HOPE (Housing Our People Economically), PATH (Plan of Action for Tomorrow's Housing), CRASH (Citizens Revolt Against Sub-standard Housing), Buckeye Village Association, Community Services Center of Mt. Pleasant and New Town-In Town Association, who helped students with facts analyses, defined immediate needs and arranged effective communication with citizens.

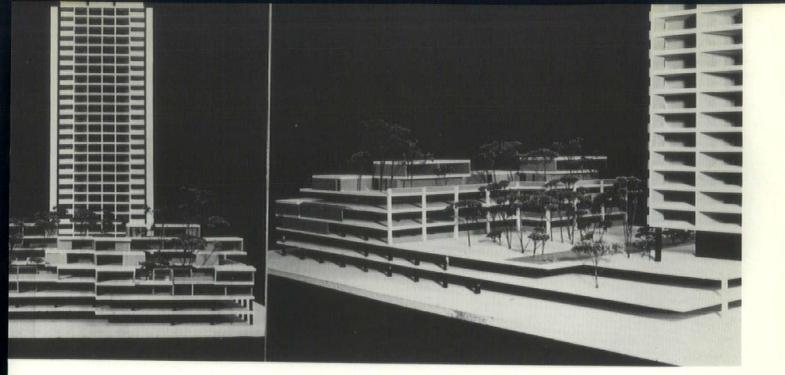
Projects dealt with rehabilitation of retail areas, new housing, recreation centers, community services facilities and mental health centers in Mt. Pleasant, the Near West Side, Hough, Murray Hill and the University-Euclid Urban Renewal Area.

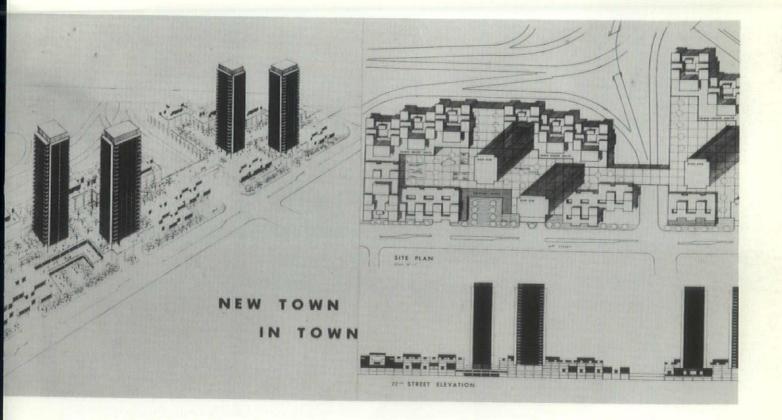
The project reproduced here is a plan for high density housing near the heart of Cleveland. The New Town-In Town Association consists of thirty families living in Cleveland suburbs who wish to move back to the inner city. After several sites were studied students were assigned the task of providing 700 dwelling units on the air rights over a 14 acre municipal parking lot within a fifteen minute walk of Cleveland's Playhouse Square.

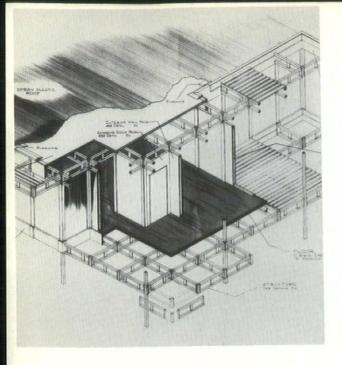
This plan is the work of John Claypool, AIAF Scholar for 1968-69. Similar solutions were produced by Mike Itomlenskis, John Montan and Fred Krueger.

CASE WESTERN RESERVE UNIVERSITY



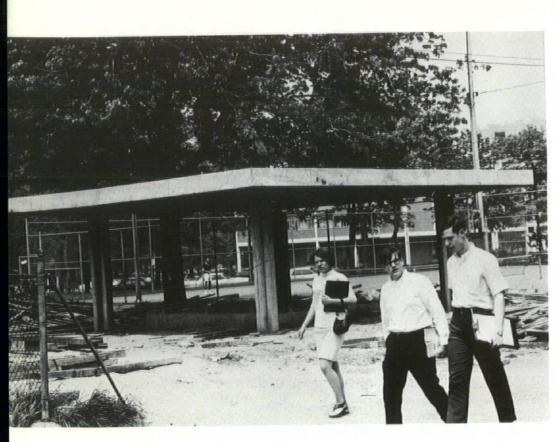








CASE WESTERN RESERVE UNIVERSITY



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Earlier in the third year studio, student teams developed a vacation residence, with the Raymond L. Alvey family as client. Structural engineering students and faculty from Case College collaborated with architectural students in designing light-weight structural systems having maximum ease of assembly and enclosure. The system shown is a two way Vierendeel truss made of welded steel tubes. Mr. Alvey fabricated the full-size component which was water-loaded and tested for structural behavior by students using Ames dials and electronic strain gages.

As a consequence of this project the client hired students for the actual construction of two vacation houses at Roaming Rock Shores Lake which will demonstrate the efficiency of two other light steel structural systems resulting from this study.

Also illustrated is a recreation shelter of reinforced concrete (incomplete), conceived by students and constructed by them with assistance from numerous building construction organizations and materials suppliers and partially financed by the University. When completed it will accommodate ice skaters around an open fire pit and will include lighting and landscaping.

Multi-purpose roof deck systems

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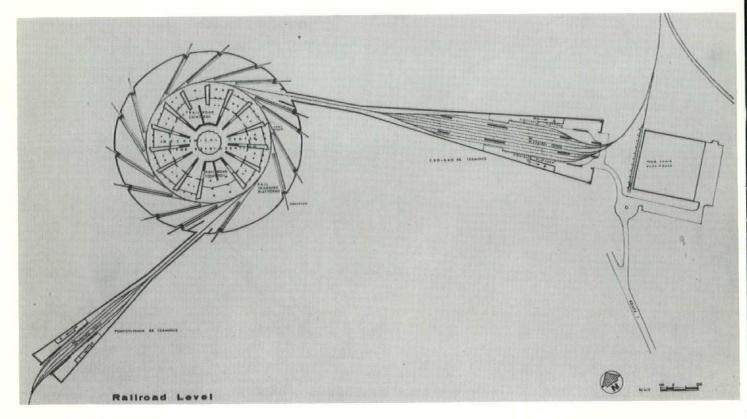
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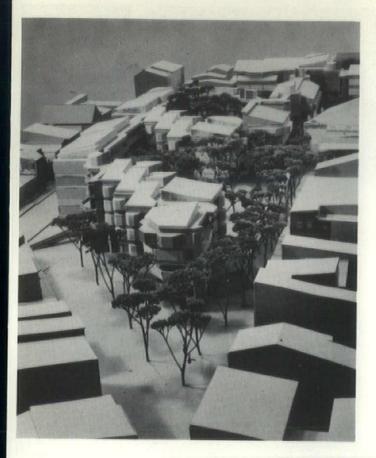
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FOOD DISTRIBUTION CENTER





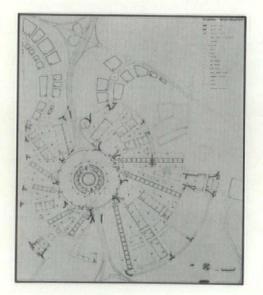


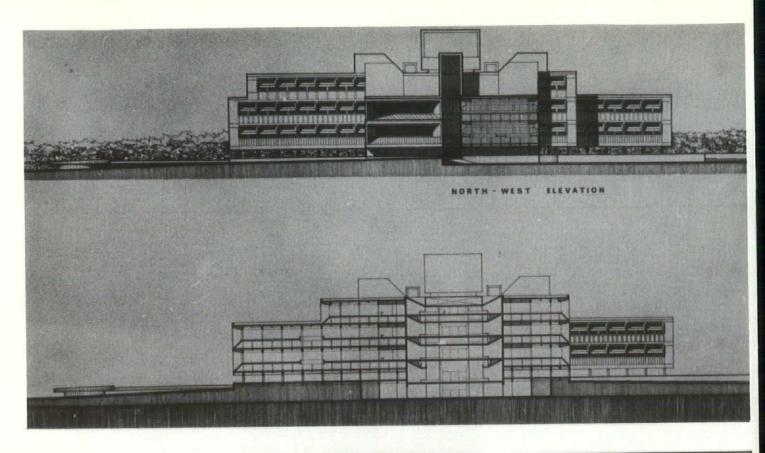
COMMUNITY

UNIVERSITY OF CINCINNATI

For the Senior Comprehensive Terminal Design Project in Architecture, the student is permitted to make his own choice of a particular situation or problem, for which he provides an architectural solution. In developing his solution, he is expected to utilize his previous years of training in theory, techniques, history of architecture and the humanities.

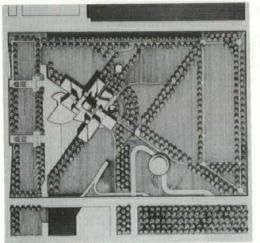
Shown here are a model of "A Community Center for the 'Over-the-Rhine' District of Cincinnati" by Stephen L. Salva; a model and some of the plans of "A Food Distribution Center for Baltimore, Maryland" by Donald Duncan Smith; and some of the drawings of "Chicago Public Library" by Motohiro T. Brown.

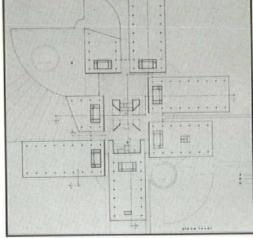


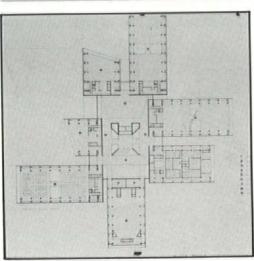


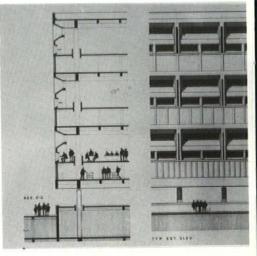
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During this school year, the fifth-year students at Kent State were enthusiastically involved in designing a "new town" in northern Summit County, Ohio. There were several reasons for their enthusiastic response.

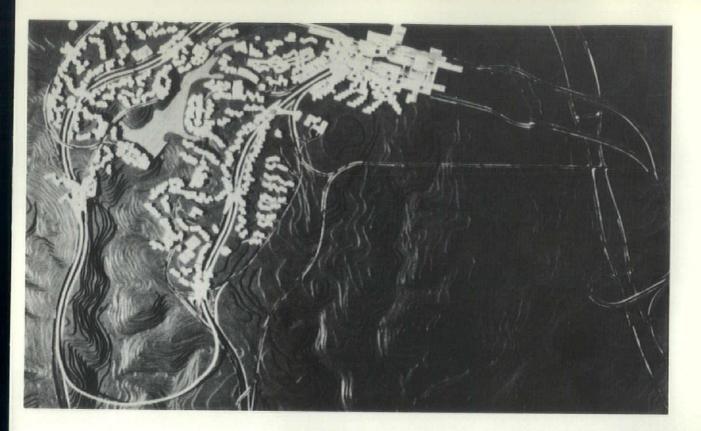
The heavily wooded site located on the east ridge of the beautiful Cuyahoga River Valley is approximately 15 minutes driving time from downtown Akron and 30 minutes driving time from downtown Cleveland via the new interstate highway system. The potential for higher speed rapid transit on the valley floor adjacent to the site is quite good. The site is bound on the south by an Akron metropolitan park and on the west by a proposed state park. An existing state park encircles the proposed site to the north. Near the center of the site is "Blossom Center," the new summer home for the Cleveland Symphony Orchestra. The center also boasts a music school, an art school, and a theater. This center has the potential of becoming the finest cultural complex of its kind in the nation.

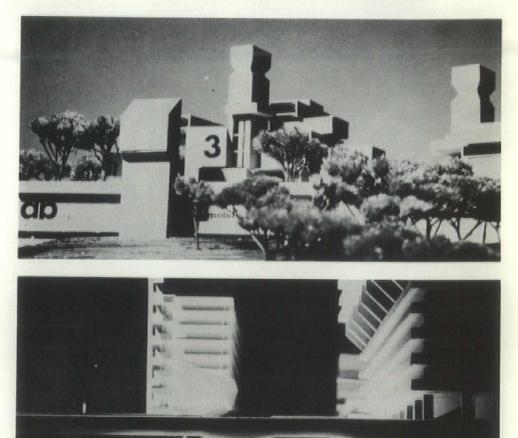
In addition to these assets, a local developer owns or has option on approximately 1200 acres of beautifully landscaped land comprising the site. Thus, much preliminary data concerning soil conditions, water availability, topographic intervals, and the like were readily available to the students.

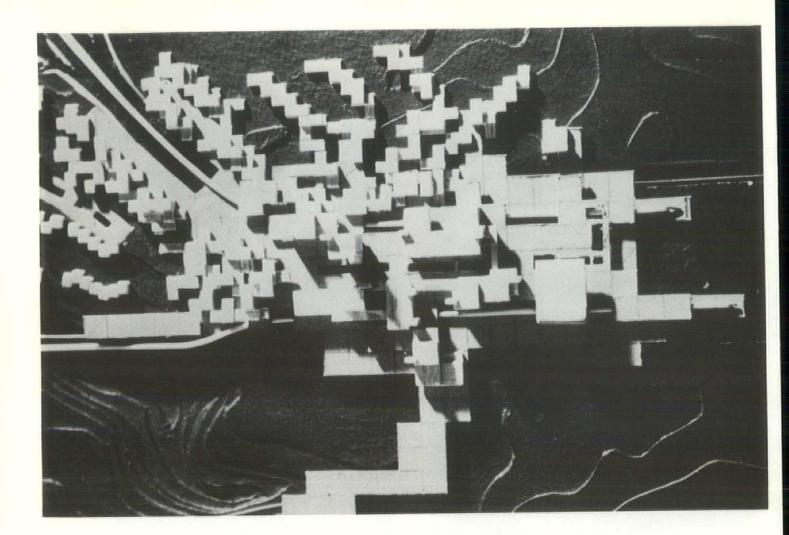
During the first quarter, six teams of four students developed concepts for the "new town." One of these concepts is illustrated here. During the second quarter, each student developed architecturally a segment of the original concept.

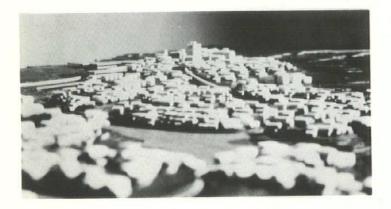


KENT STATE UNIVERSITY









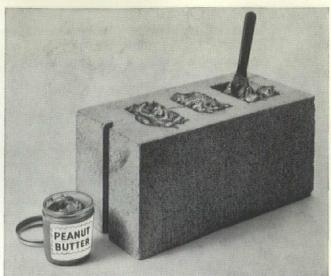


KENT STATE



Andersen Corp	29
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ASO ANNUAL **MEETING 68** OCTOBER DAYTON, OHIO



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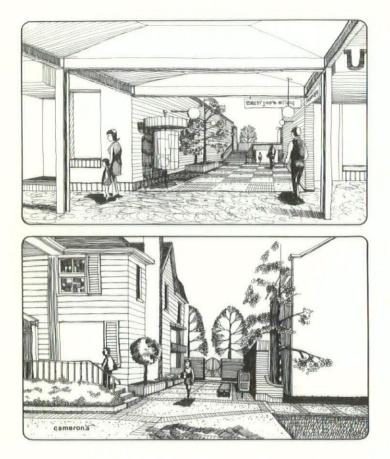
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MIAMI UNIVERSITY

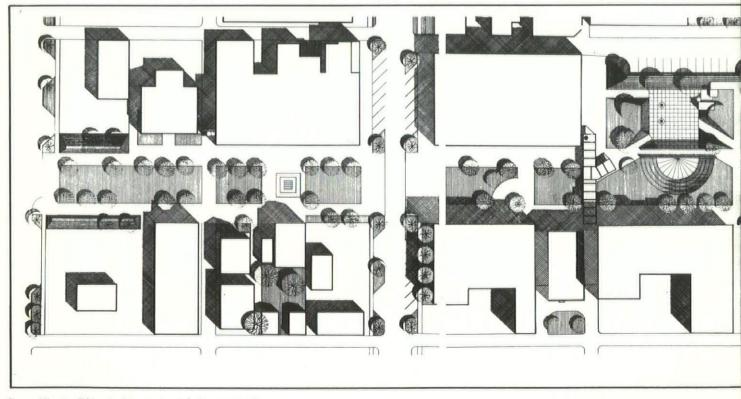


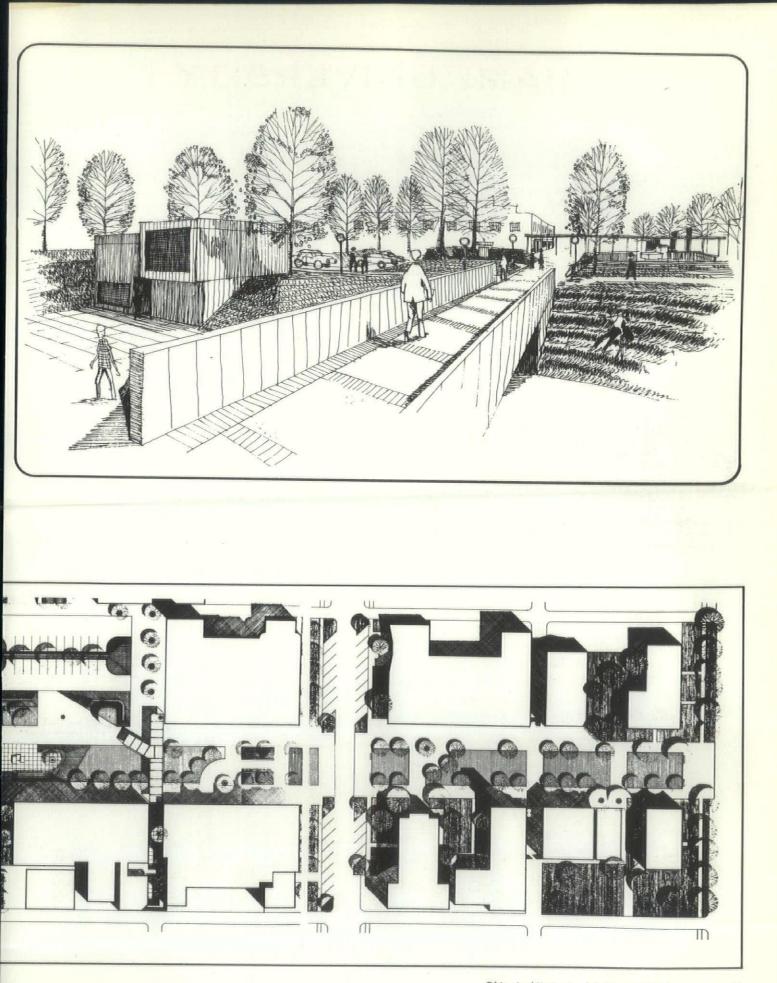
The incorporation of actual problem situations throughout the five years of the architectural program at Miami University "challenges the student to approach design with a more realistic attitude while demonstrating to the potential client the benefits of enlisting professional assistance in arriving at a solution to his problem," writes Professor Arthur Anderson of the Department of Architecture.

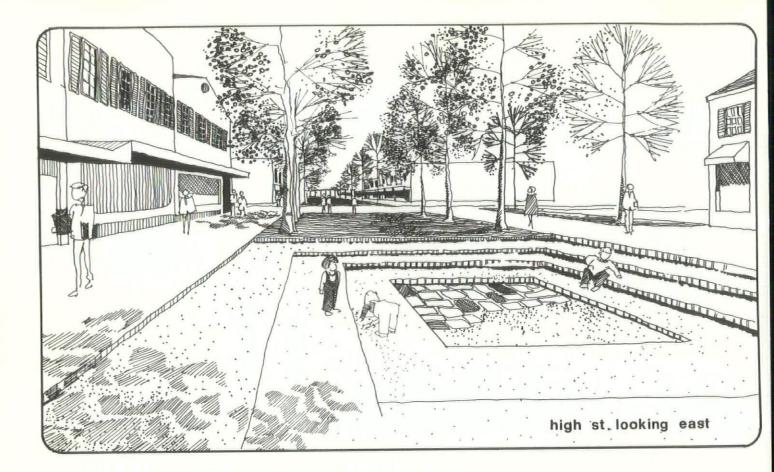
During the past year, Fourth Year students undertook an analysis and development of the commercial core of Oxford, Ohio. Working in teams under the guidance of Professor Richard Tweddell, and in close association with the Oxford Community Improvement Corporation, the class of twenty students collected data, surveyed the existing community, and projected growth possibilities and future needs of the community.

Shown here is the solution selected by both the client and the staff as that team effort which most successfully embodied the elements of realistic purpose and design achievement. Members of the winning team were John Kanastab, Craig Martin, Joe McAnarney, Bruce Meyer, and Bruce Taylor.

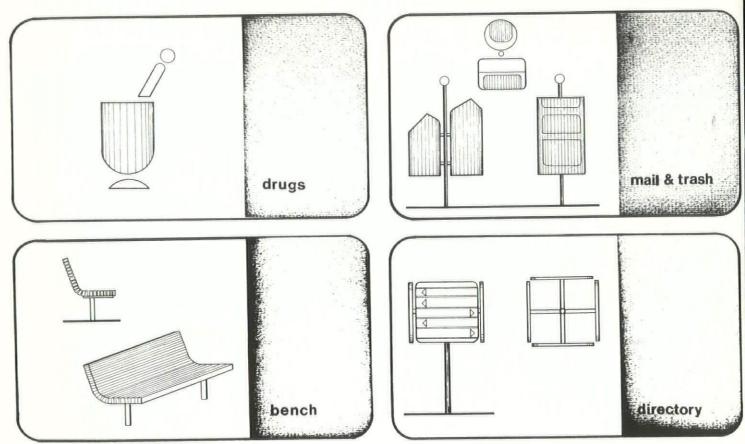
The students submitted a brochure and also made a television presentation of their solution. They later had the opportunity to study their taped presentation and to appraise its effectiveness on the general public.







MIAMI UNIVERSITY



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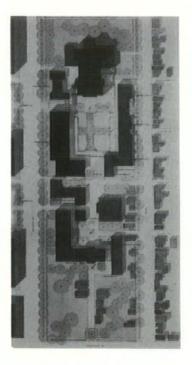
THE OHIO STATE

The design of a Commercial Center for the Arts was the project undertaken by the Fifth Year Class in Architectural Design at The Ohio State University.

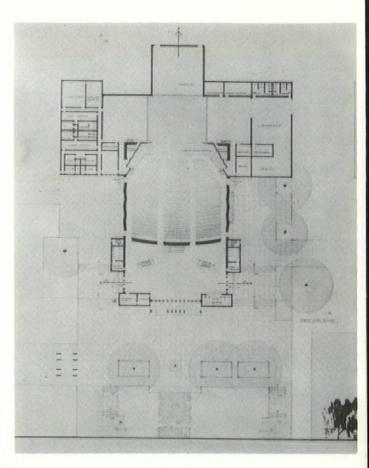
The term "commercial" is used to emphasize the "association of this Center with educational and professional activities outside the formal, academic environment which characterizes the accepted climate for learning in a broad sense, but which is related only indirectly to professional training and practice."

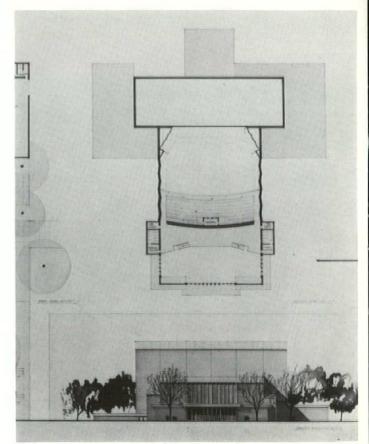
Students established their own detailed program of requirements appropriate to such a Center. General requirements were to provide all physical facilities for professional training in music, the visual arts, and the performing arts; for the professional practice of architecture, commercial art, photography, industrial design, interior design, and design for the theater arts; and for the display, sale, and rental of musical instruments, art supplies, sound reproduction equipment, theatrical costumes, and other related items.

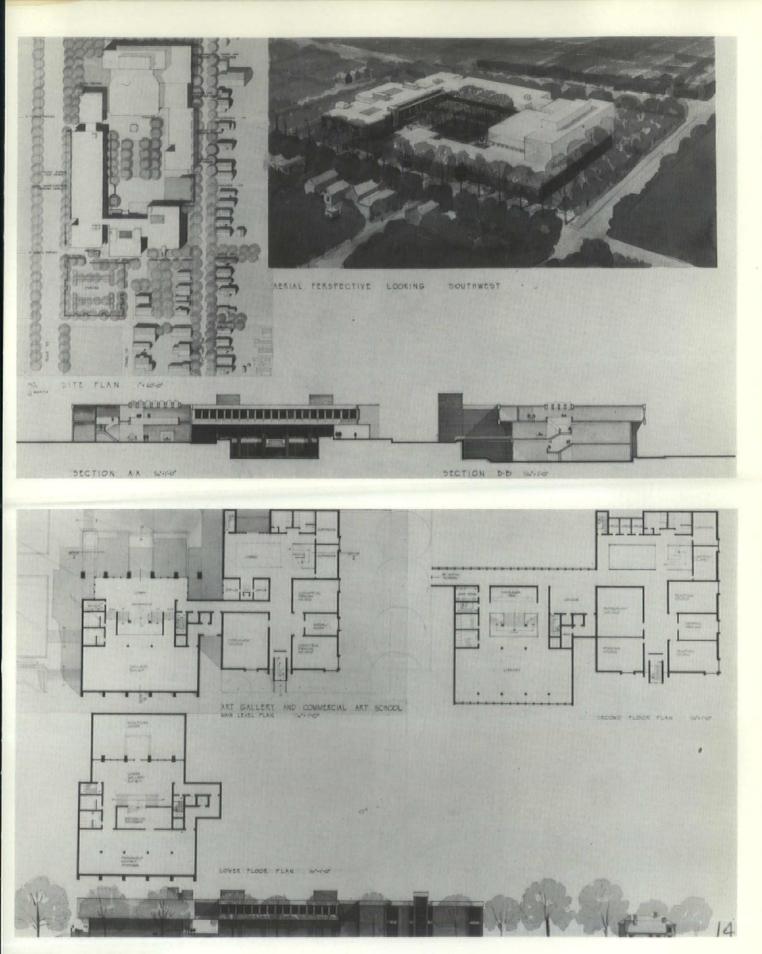
Preliminary studies involved familiarity with an actual site in Columbus, extending south from Livingston Avenue along the east side of High Street. Essential to the development of each student's proposal was recognition of the adjoining German Village, the pattern of vehicular traffic generated on High Street and I-71, and the relation of the proposal to the central business district.



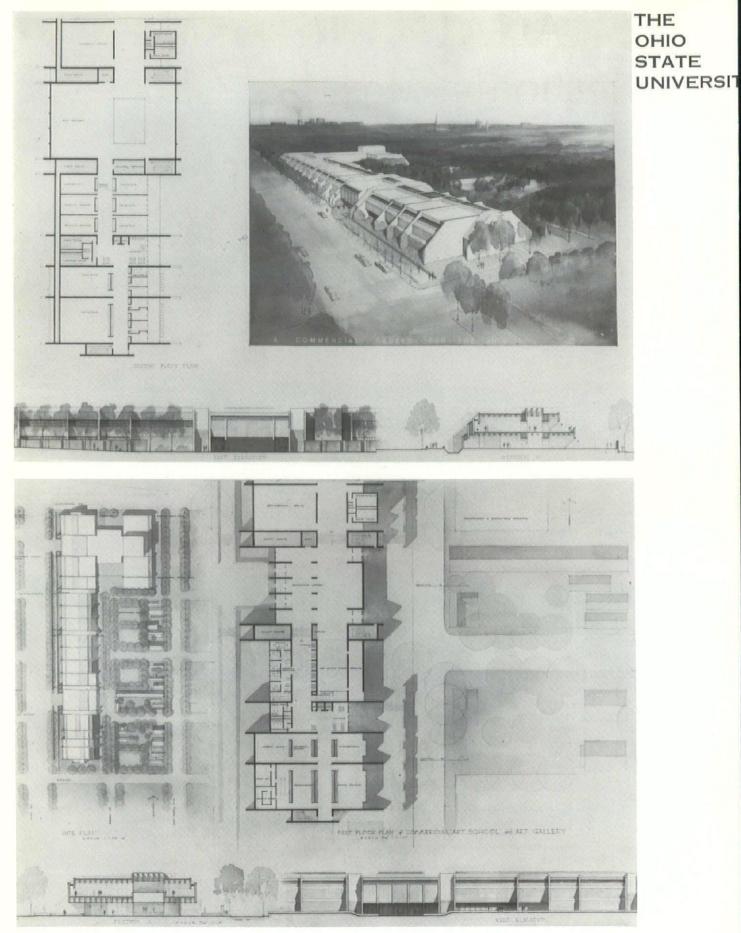
GARY CANNELLA







ROBERT VANNEMEMER



JOHN GRAUDUSS

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AGAIN...Riverside Methodist Hospital Chooses GAS Air Conditioning!



In April of 1960, 680 tons of Gas air conditioning were installed in Riverside Methodist Hospital. Six months later, another 140 tons were installed in the School of Nursing; and again, less than a year later, another 200 tons were installed in the Riverside Medical Building.

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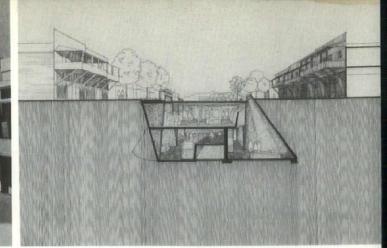
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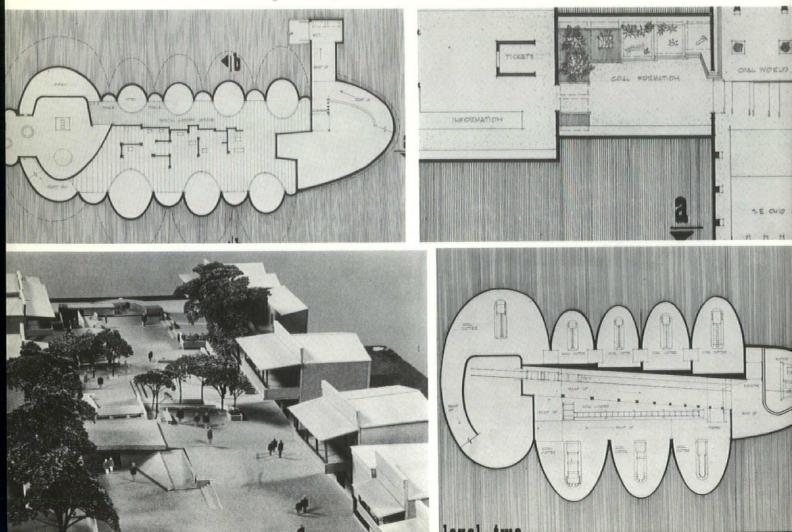


OHIO UNIVERSITY

This problem began on the premise that architecture can play a significant role in improving the depressed and deprived situation in Appalachia. Murray City was selected because it had all of Appalachia's characteristics in microcosm. The unique forces which exist in Murray City, i.e. economic destitution, socio-

COAL MUSEUM FOR MURRAY CITY, OHIO FIFTH YEAR THESIS

Student: John Berryhill Critics: William G. Reckmeyer George T. LeBoutillier logical non-confidence, and strong feeling for the rich past, have all been enhanced by the design of the problem itself, i.e. a coal museum. The architectural solution responds simultaneously to the intrinsic values of a coal museum and to the forementioned exterior values of the area and of the town. In addition to graphically and architecturally telling the historical story about the creation of coal and the methods of mining it, the solution also uses as subject matter the existing town itself. This, in turn, necessitates considerations which range from urban to historical design. This solution has grown from the existing forces within Appalachia and especially within Murray City. It is possible that Murray City may, in turn, grow and live once again because of these considerations.







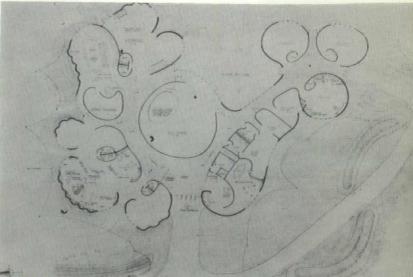
ELEMENTARY SCHOOL THIRD YEAR

In this problem the Third Year Design Class was asked to study the program demands of contemporary experimental teaching concepts. Considering the advice of today's educational innovators, the class examined such statements as "teaching should not interfere with learning," the "schoolhouse . . . should simply get out of the way" and "education is a fluid activity." The program demands led, in most cases, to free, open flexible spaces which presented potential acoustical problems. Working under Professor Atilla Bilgutay, Kenneth Martin studied this problem of sound reverberation and intensification within his design.

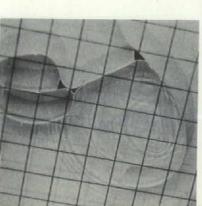
The photographs below illustrate the "ripple tank" method which was used in this study. Models of important plan and section areas were covered with a shallow pool of water and simulated sound waves were created at critical points by introducing drops of water into the pool. The study of these waves pointed out potential acoustical problems. Students: Kenneth H. Martin Jeffry Parkhill—Co-worker Andrew Tessler—Photographer

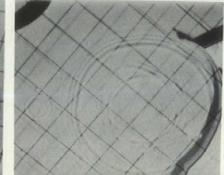
Critics: John Kittredge

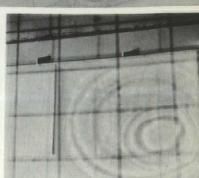
Atilla Bilgutay Paul Young

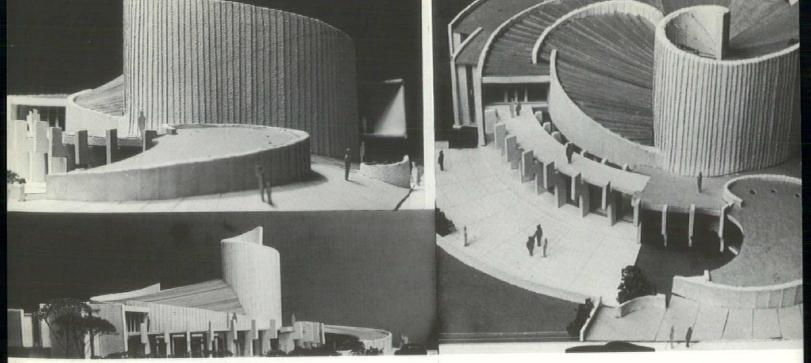












OHIO UNIVERSITY

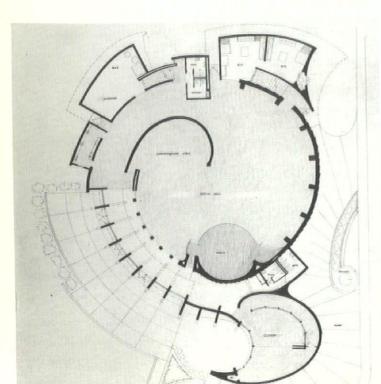
SYNAGOGUE FIFTH YEAR THESIS

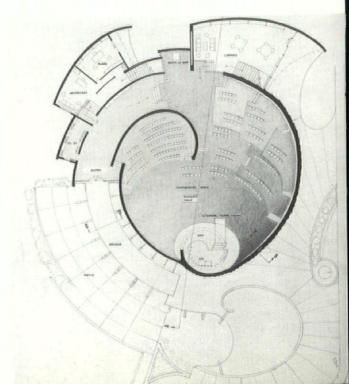
Student: Lonnie Fouty

Critics:

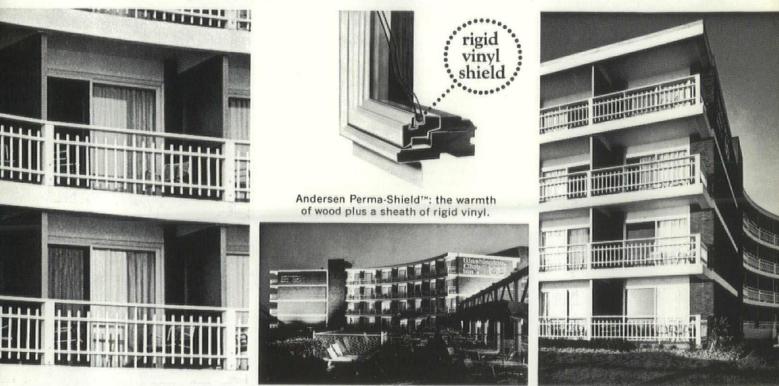
William G. Reckmeyer George T. LeBoutillier

This solution is an essay in architectural terms on the Jewish faith, the Hebrew people, and the Jewish way of life. It establishes a series of architectural experiences which reinforce and clarify the heritage and the aspirations of the Jewish people. The primary themes of the synagogue are based on the primary concepts of the faith: the importance of the Torah to Hebrew life, the implications of belief in the one God including the covenant, the Shema, unification, and the Hebrew ethic. As each design decision is based upon the fundamentals of the faith, it transcends the individual creator of the work. Therefore the solution will stimulate a member of the faith to *want* to worship and to *want* to understand the faith; and this idea is, in fact, the essence of a synagogue.





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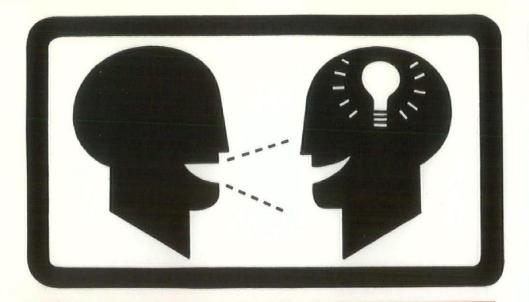
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... Brainstorming Physical Solutions to Urban Educational **Facility Problems**



Henry S. Brinkers Associate Prof. of Architecture The Ohio State University

Can brainstorming sessions be as useful in developing solutions to physical design problems as they are in seeking solutions to problems in business and industry?

Evidence that they can has emerged from an Ohio State University experiment in applying brainstorming techniques in the design of urban educational facilities. The two-week experiment was termed a "charrette" in deference to the frantic creativity and inspiration which this word connotes for architects, dating to the time when carts (charrettes) were used for the transportation of student design drawings at the Ecole des Beaux Arts in Paris.

Some forty-five individuals participated in the Educational Facilities Charrette conducted in June by the Ohio State University School of Architecture under a grant from the U.S. Office of Education. They included nine professionals and twentyfour senior and graduate students from twenty eastern and The midwestern universities. professionals and students represented the five disciplines of architecture, landscape architecture, city and regional planning (urban design), educational planning, and engineering. The dozen remaining participants represented the cities of Baltimore, Philadelphia, and Hartford — cities interested in

La Charrette!

the design problems presented for solution.

Three educational facility ideas were examined by the charrette. These were: (1) University-level facilities for teacher training appropriate to the needs of contemporary urban society, to be operated in conjunction with local school facilities and to provide useful community services to urban neighborhoods; (2) Systems of non-automotive linkage between existing educational and other facilities within an urban complex to aid in achieving an enriched education capacity; and (3) Multiactivity complexes, based upon the "super-block" idea, to house a variety of profit-making and non-profit enterprises, with the net income of the complex operating its non-profit facilities.

The charrette's four major objectives were to bring together representatives of a variety of disciplines to explore physical design solutions to the three educational facilities ideas, to develop realistic solutions for them, and to communicate the solutions on a national level.

Basic charrette policy was to give the participants the freedom to decide for themselves how they could best achieve these objectives. For the most part, they were free to establish their own schedule, organization, program, and communications techniques.

The schedule of events and activities furnished to the participants pinned down only four points in time. One was the starting time of the opening briefing session, and the other

three were the beginnings of the plenary sessions for the purposes of review and evaluation on the fourth, seventh, and fourteenth days of the charrette. The remainder of the time was available for workshops, which the participants organized around the three educational facilities ideas and the interest in one of the three cities in each of them. Although this basic organizational structure was maintained, sub - organizations focusing upon each of the facility ideas evolved and changed according to the immediate requirements of the work. No reference materials were provided. and all participants relied upon previous knowledge and experience for their contributions. Few restrictions were imposed upon communications techniques, and a variety of graphic vocabulary and techniques were employed throughout the charrette.

The physical design output of the charrette was impressive. Solutions in general were realistic and practical. Moreover, they were rooted in sound interdisciplinary thinking which took into account educational objectives, social needs, inner city problems, existing conditions, development dynamics, and local city planning objectives.

The charrette concluded that the city itself — its needs, opportunities, people, and facilities — must become the context for urban education. Inner city students need educational experiences that are highly personal, relevant to life in the urban world, and meaningful intellectually. Three principal student



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Vive La Charrette!

needs were identified. First, students need experiences which permit them to develop on their own terms and to achieve a sense of individual worth. Second, they need social relationships which commit them to the welfare of mankind and motivate them to consider positive alternatives for their own lives. Third, they need intellectual stimulation to develop scholarship and problem-solving skills.

The central concern of education was identified by the charrette as the "freeing of the life-process for its own most adequate fulfillment." Freeing the life-process requires giving attention to people first, and to programs, budgets, and facilities second. Educational improvement must be based on teacher training opportunities

(continued)

in which the self-emergence of the student becomes the principal undertaking. Self - emergence is a process involving more than intellectual growth; it involves esthetic and emotional awakening, self - acceptance, and a total involvement in the psycho-sociological processes of being.

The American city, rich in every kind of environmental resource, is the ideal setting in which to nurture these processes and experiences. The challenge to the physical designer is one of unleashing the city's potential learning opportunities for the personal development of its people. The physical designer's problem is to equate educational facilities with the city — to weave them into the fabric of the community and into its commercial, cultural, recreational, medical, religious, production, communication, and governmental systems.

Education and learning must be challenging and fulfilling, bringing people and ideas together in the most effective settings. The provision of such settings is the province of the physical designer.

The brainstorming approach results not only in high design output but also in heightened awareness on the designer's part of the whole range of social needs and characteristics related to educational facilities design.

The Ohio State experiment tends to indicate that brainstorming techniques can make a positive contribution to the development of physical design solutions.

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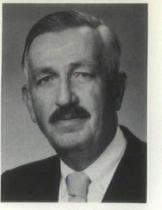
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New Chancellor of AIA College of Fellows



John N. Richards

John N. Richards, senior partner of Richards, Bauer & Moorhead, Toledo architectural and engineering firm, was elected Chancellor of the College of Fellows of the American Institute of Architects at the organization's annual Convocation June 26 in Portland, Oregon.

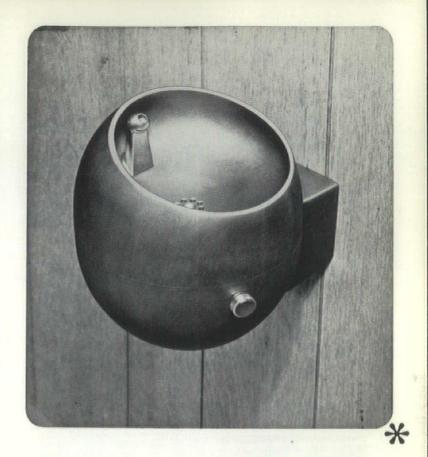
Mr. Richards served two terms as president of the AIA from 1958 to 1960 and was advanced to Fellowship in 1955 in recognition of professional achievement and distinguished service to his community. He served two years as Vice Chancellor prior to his election as Chancellor.

Past president of the Toledo Area Chamber of Commerce and last November reelected mayor of Ottawa Hills, Ohio, Mr. Richards has a long and imposing list of civic accomplishment.

The College aids or sponsors activities such as architectural lectures, the writing and publishing of architectural books, biographies, monographs and scholarly treaties and similar endeavors related to architecture. Fellows of the College serve as hosts to foreign architects and dignitaries at Institute conventions. Fellows assist in the exchange of teachers and architectural lecturers with those of other lands.

The College of Fellows of the American Institute of Architects was founded in 1952 as an organization of the members of The American Institute of Architects who have been advanced to Fellowships in the Institute. The purpose of the College is to promote the purposes of the Institute, and to advance the profession of architecture.

An organization of about 800 architects, the College of Fellows has a continuing obligation to improve the practice of architecture, to encourage the highest standards of conduct throughout the profession, to stimulate architectural research, to further architectural education and to exchange ideas with architects of other nations, toward the improvement of the physical environment of people.



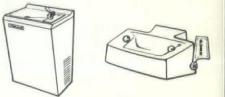
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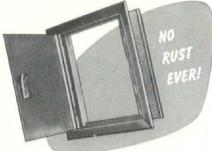
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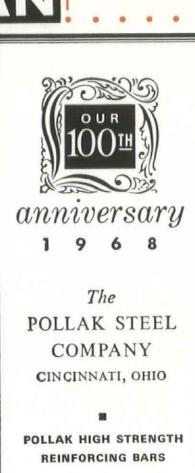
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Lawrence-Hawver Associates is the new name for the Cleveland architectural and interior design firm known previously as Arthur Lawrence Associates. Partners are Arthur Lawrence, Jr., and James F. Hawver.

Michael B. O'Shea, partner in the Toledo architectural and engineering firm of Richards, Bauer & Moorhead, is retiring after forty-five years with the firm.

New partners in Tuchman-Canute Architects, 1650 West Market Street, Akron, are Roger N. Ryan and Robert J. Wyatt, Mr. Ryan is president of the AIA Akron chapter, and Mr. Wyatt is trustee of the group insurance program for Akron area architects.

The scholarship award for 1968 of the Cleveland Women's League of the AIA goes to David G. Weidner of Cleveland Heights, a fourth year student at Kent State University. He was chosen from a group of applicants whose families live in the six county area of the Cleveland Chapter of the AIA.

New officers of the Cleveland Women's League of the AIA for 1968-1969 are Mrs. H. Robert Wismar, Jr., President; Mrs. James Watson, Recording Secretary; and Mrs. Arlyn Neiswander, Corresponding Secretary.

The Cleveland firms of Dalton, Grimm, Johnson and Associates and Schafer, Flynn and van Dijk, Architects, have merged to form the new partnership of Schafer, Flynn, van Dijk and Dalton, Grimm, Johnson, Architects. The firm will be headquartered at One Erieview Plaza. Schafer, Flynn and van Dijk, Architects, founded in 1905, represents Cleveland's oldest continuous architectural practice.



Neal Layne

The Board of Trustees at its June 15 meeting announced the appointment of Neal Layne to the position of Executive Director of The Architects Society of Ohio of The American Institute of Architects.

Neal comes to The Society from the Battelle Memorial Institute Columbus Laboratories, where he has been a Research Architect with the Construction Economics Research Group for the past four and onehalf years.

Prior to his affiliation with Battelle, Neal was for eleven years area manager in Central Ohio for the Structural Clay Products Institute—Region 4, and a regular participant at ASO Annual Meetings,

AT ASO New Executive Director

He is a 1951 graduate of The School of Architecture at Ohio State University, a registered architect, and a member of Columbus Chapter of The A.I.A. He was also a charter member of Columbus Chapter of the Construction Specification Institute, and is a past president of Columbus Chapter of The Producer's Council, Inc.

Residents of the Columbus area for the past fifteen years, the Laynes live in Upper Arlington with their two sons, Bruce and Steven. Neal's hobbies include model railroading, reading and pipe collecting. Marjorie is a past president and an active member of the Women's League of Columbus Chapter A.I.A.

In assuming his new duties with the ASO June 24, Neal stated that he is looking forward to working with the members of the ASO and to renewing old friendships with architects and suppliers throughout the state.

Dave Lacy, Neal's predecessor, is acting as consultant and advisor for a few weeks. Dave's plans are, at present, undecided, but he is considering several attractive positions in the Columbus area.

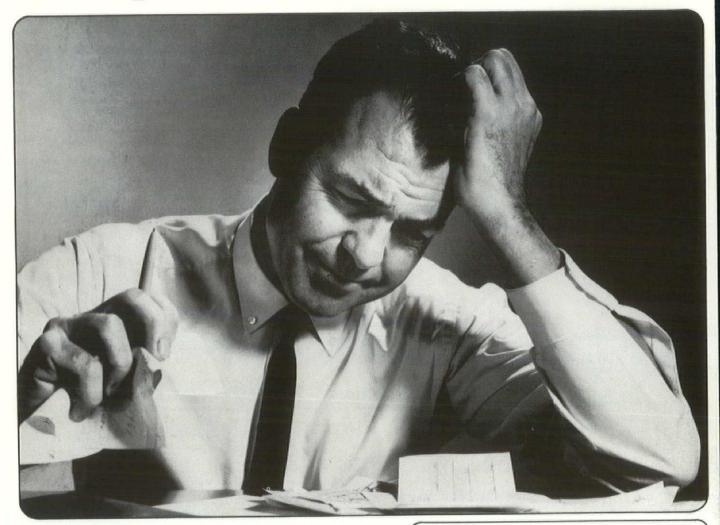


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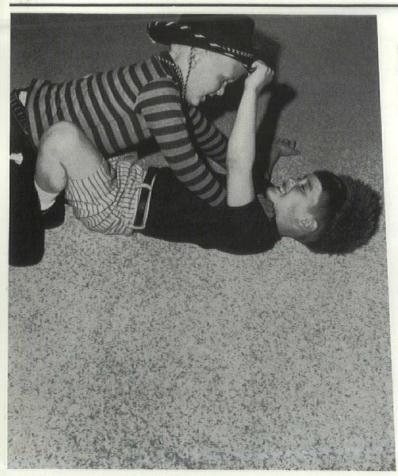
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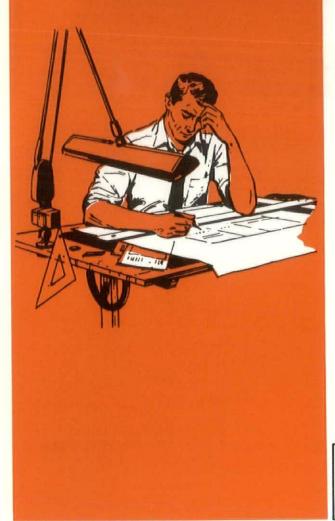
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