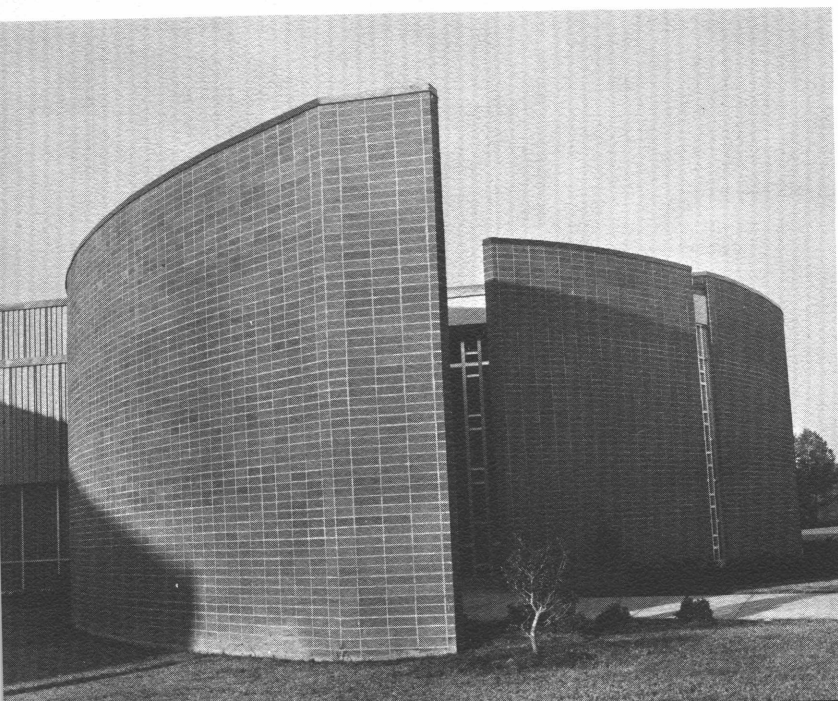
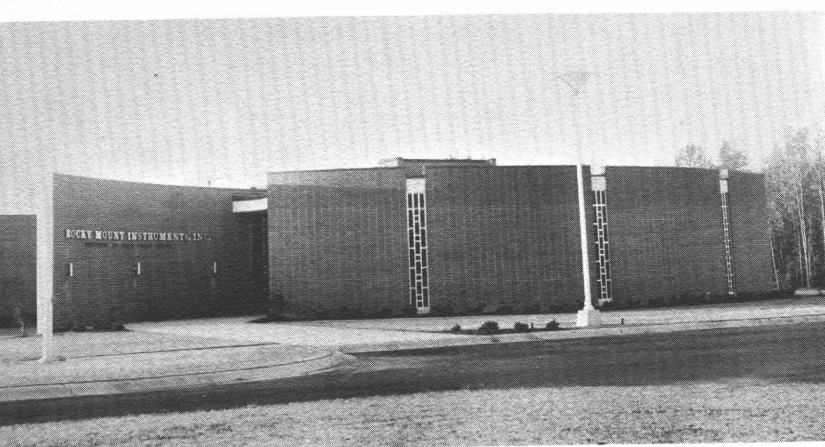


NORTH CAROLINA ARCHITECT

OFFICIAL PUBLICATION OF THE NORTH CAROLINA CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS



NOVEMBER 1967



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NOVEMBER 1967, VOL. 14, NO. 11

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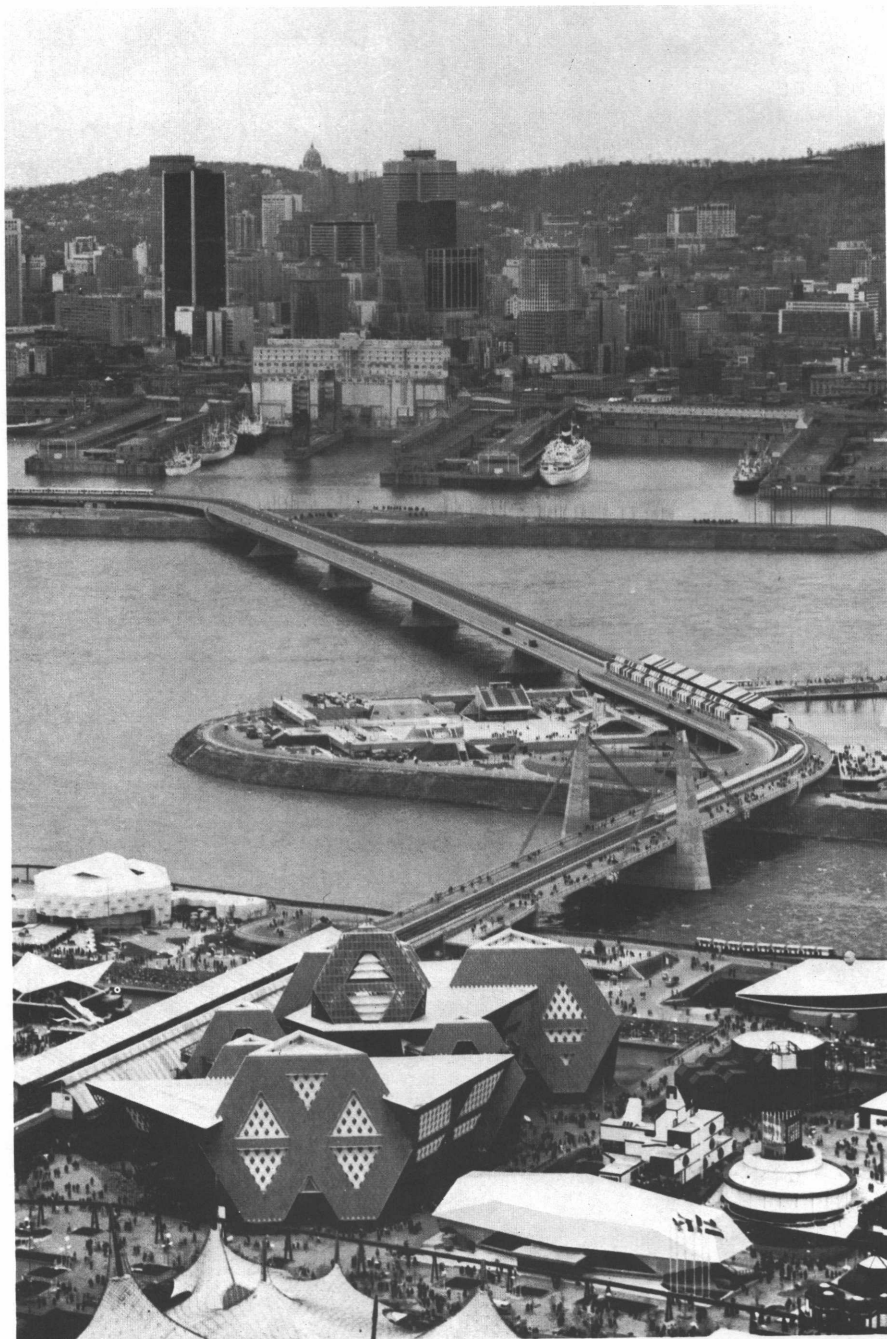
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EXPO '67 CLOSES WITH A BANG

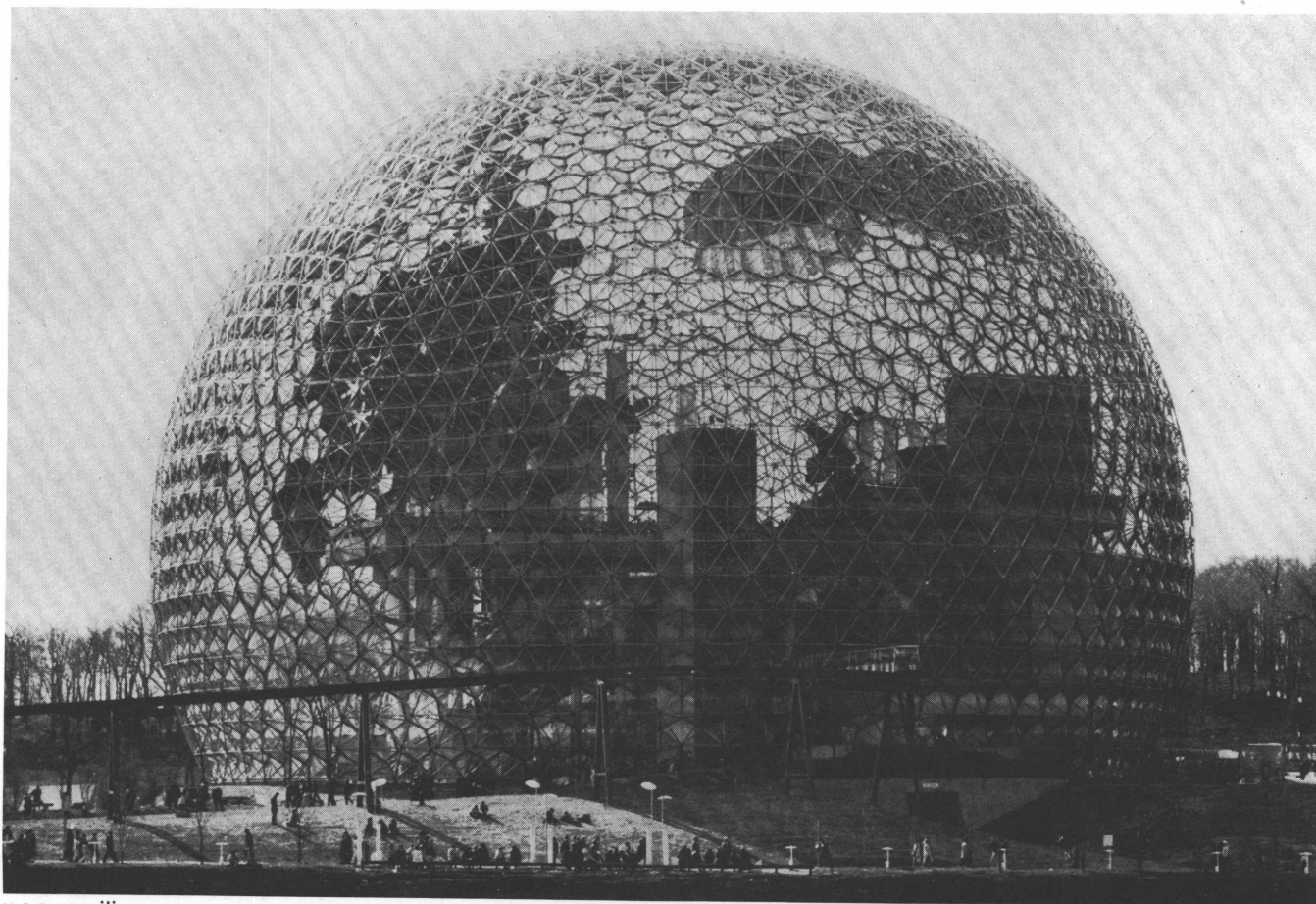
A blaze of fireworks, gun salutes and oratory kicked off the closing ceremonies of Expo 67. In the six-month run more than 50 million visitors attended the fair, a record for world fairs.

Despite the record-breaking attendance, Expo officials reported a deficit of \$250 million. This is far above the \$47.5 million foreseen in 1963 when the government gave the go-ahead to the project.

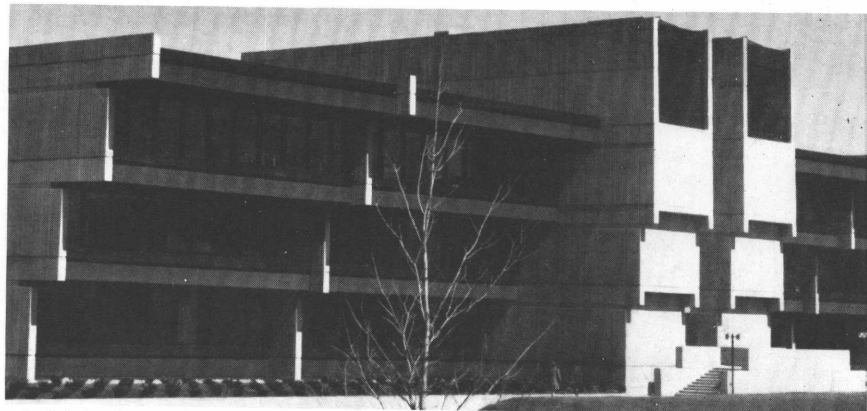
From the tremendously successful Expo 67 Montreal's Mayor Jean Drapeau hopes to establish a permanent exhibit center with the same theme, "Man and His World". He hopes to keep as many pavilions as possible. Twenty of the seventy-seven nations represented at Expo already have donated their pavilions for continuing use. "I have many ideas for the empty buildings to make it a great attraction for many years to come," said Drapeau. "Nothing commercial. I want it to be educational, cultural, and artistic." He wants to convert the amusement area into a Canadian-style Tivoli Gardens and to turn the U. S. Pavilion into an "encapsulated park". "On this continent alone there are 225 million people, a fraction that attended the fair, and I believe that a good many of these 225 million will come to see "Man and His World", Drapeau concluded.



general aerial shot



u.s.a. pavilion

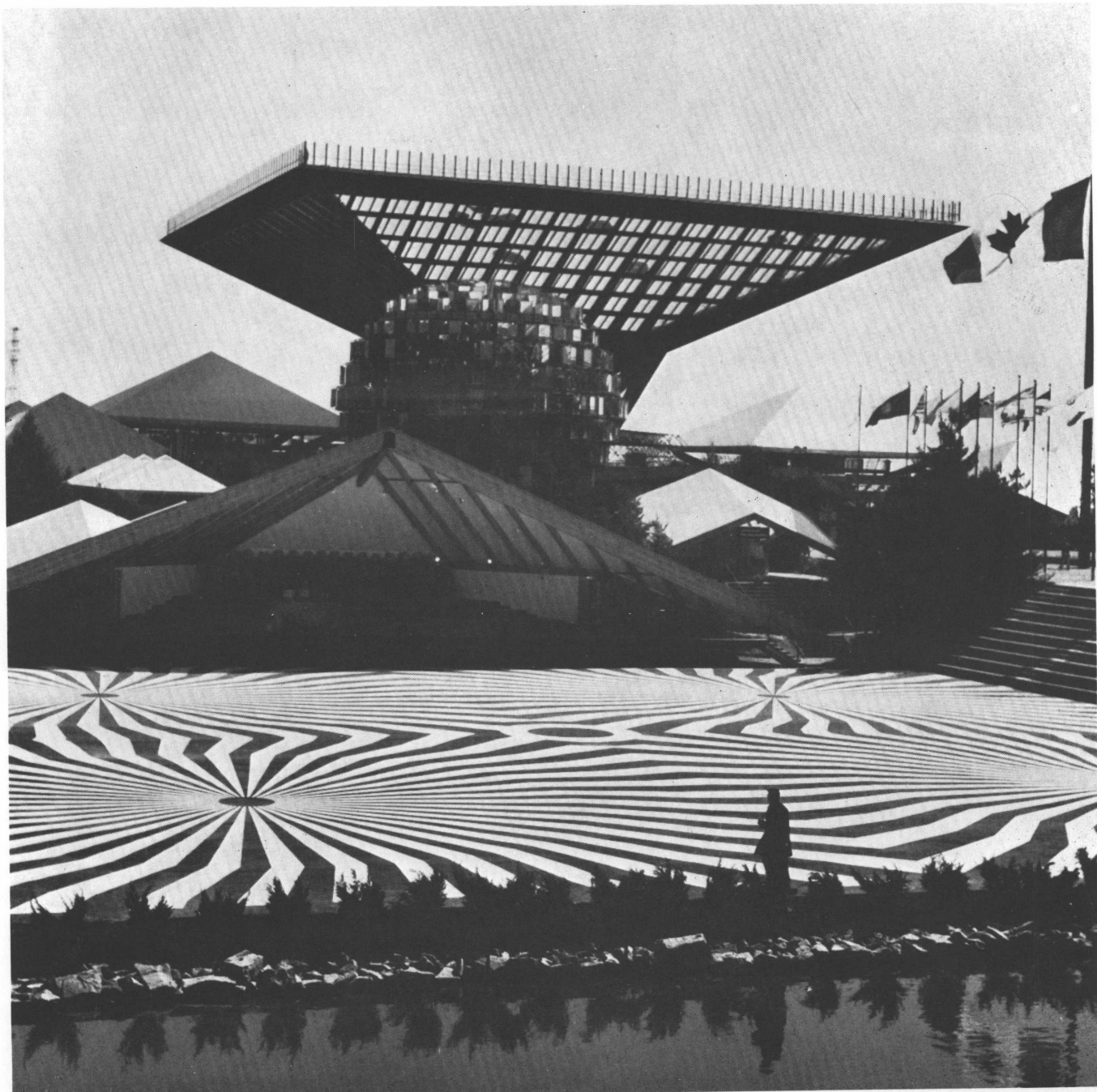


administration building



interior—u.s.a. pavilion

NOVEMBER 1967



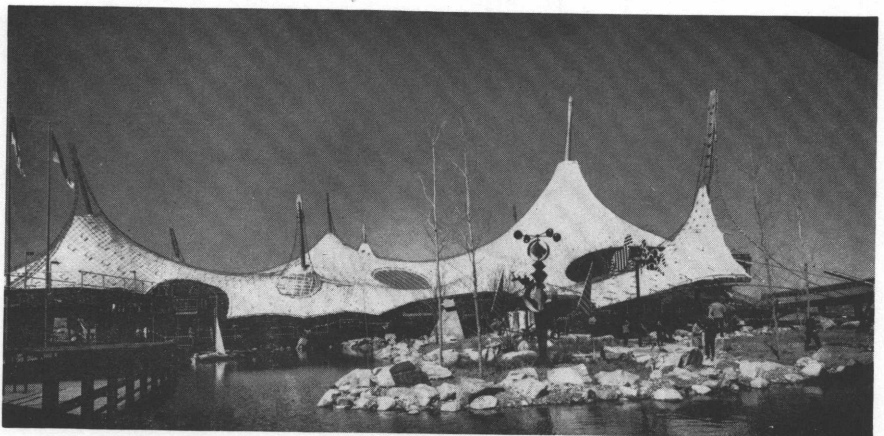
canada complex



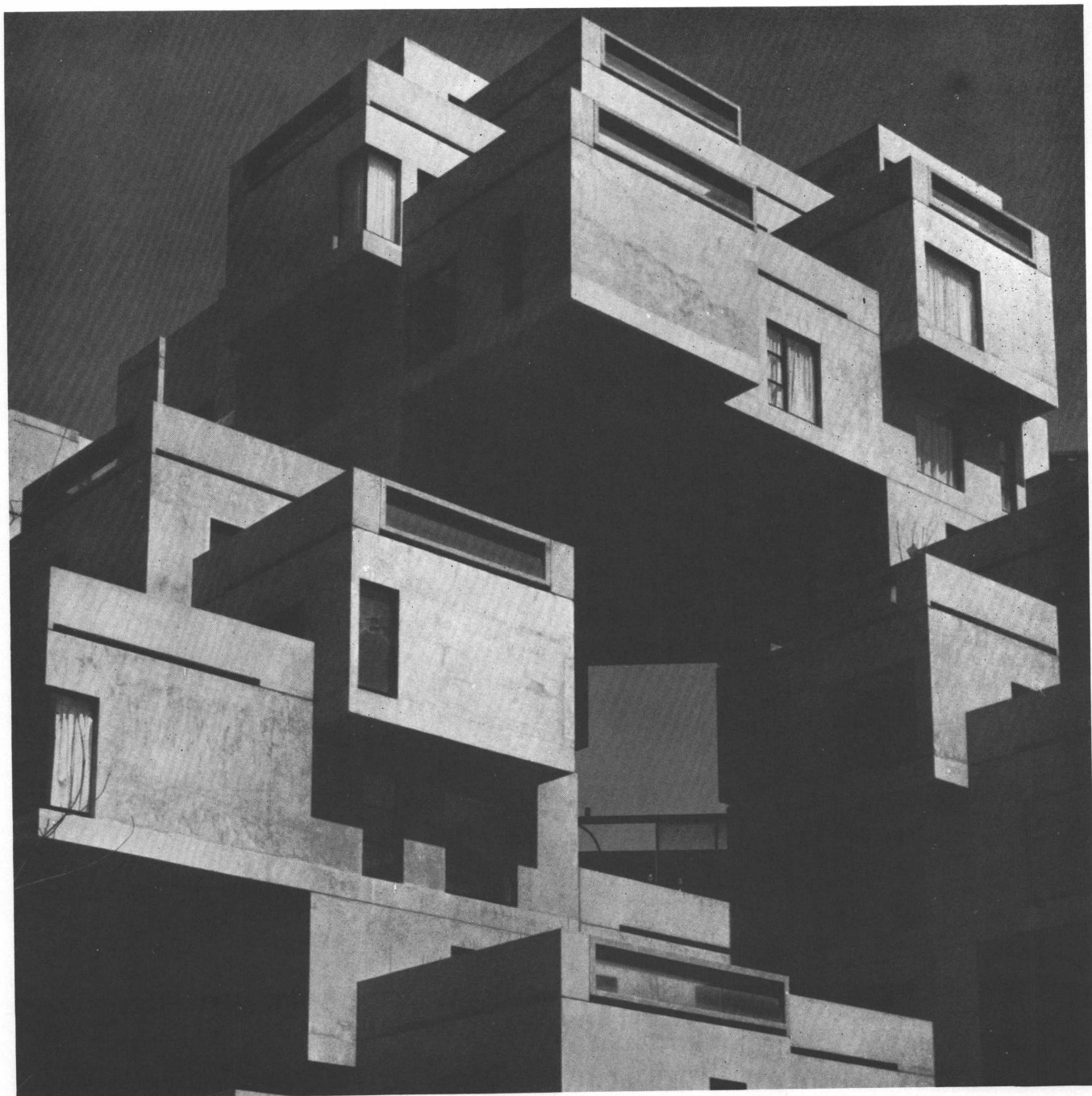
swiss pavilion



french pavilion



west german pavilion



habitat

WILLIAM PERCIVAL, ARCHITECT

Raleigh, North Carolina

by Lawrence Wodehouse

William Percival, a retired British Army officer, was an architect and engineer who came to Raleigh in the fall of 1857. That he came to the Capital at this time is known from an advertisement which appeared in *The Raleigh Register* on January 20, 1858. The advertisement ran as follows:

"Percival and Grant, Architect and Civil Engineers, Goddins Hall, Richmond, Virginia.

—Having some important buildings (for which they supplied designs) to Superintend in this State have found it necessary to open a Branch Office in Raleigh (second floor, Smith's Brick Building) where they are prepared to supply Designs, Working Drawings and Specifications for Churches, Public and Private Buildings, and laying of Ornamental Grounds. Address Box 106, Raleigh, North Carolina, or Box 828, Richmond, Virginia.

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Prior to the Civil War, Raleigh's population and that in the State generally was growing. The "Age of Progress" in North Carolina was followed by general improvements plus humanitarian and educational reform during the 1850's. This great movement brought several eminent and nationally famous architects to the State. Among them were Richard Upjohn, who designed Christ Church, Raleigh, (1848-1853) and Grace Church, Plymouth, North Carolina (1859-1860); and Alexander Jackson Davis who was involved in the

classical design of the North Carolina State Capitol at Raleigh (1833-1840). Davis also designed the State Hospital for the Insane (1858) in the same classical idiom; new facades for Old East and Old West halls (1856-1858) on the campus of the University of North Carolina in Chapel Hill, and Smith Hall (1850-1852) now the Playmaker's Theatre on the same campus in the tradition of Thomas Jefferson's Virginia State Capitol at Richmond. This was the time of prosperity and the ground was ripe for new talent in the realm of architecture. This was probably the reason why William Percival came to Raleigh.

For a period of little more than two years Percival designed several buildings in Raleigh and the State. An advertisement which appeared in *The Semi-Weekly Raleigh Register*, on August 11, 1858, confirms this. It gives interesting additional background information on Percival and more important, it gives a list of the projects on which he was working. The advertisement states: "With an educational training for his profession, and a practical experience for more than 16 years on public and private works in Europe, Canada and the United States, he hopes to give satisfaction. He respectfully refers to those by whom he is professionally engaged in this State:

R. S. Tucker, Esq., Raleigh

W. M. Boylan, Esq., Raleigh

W. S. Battle, Esq., Rocky Mount, Edgecombe County.

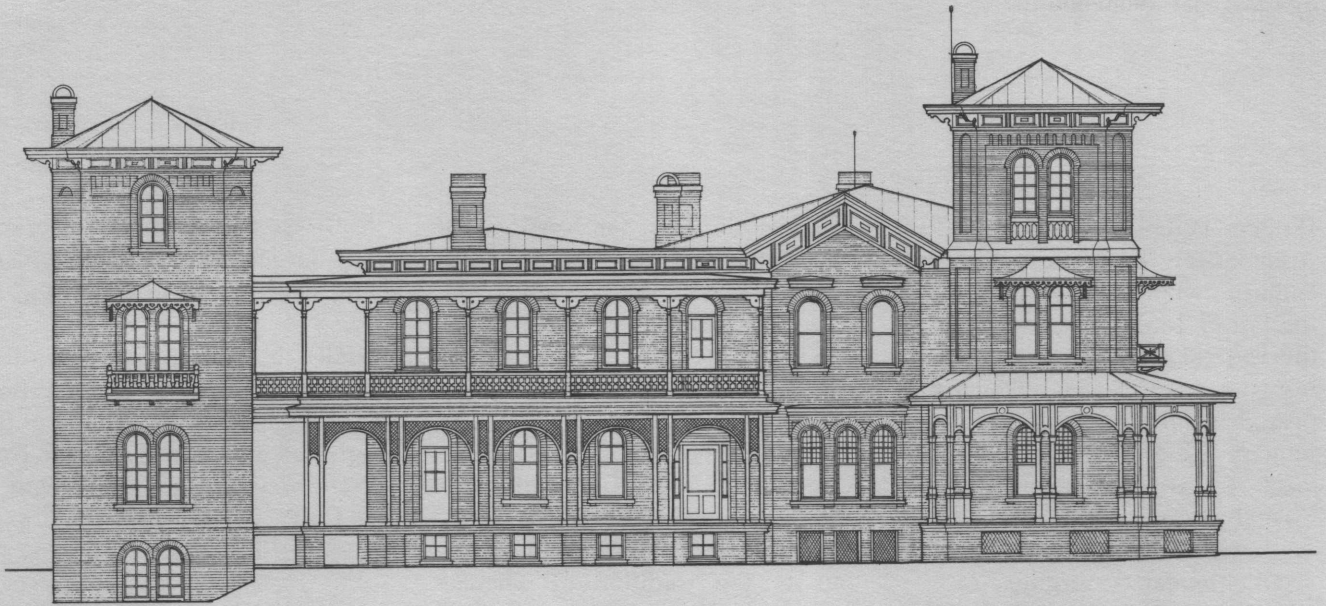
N. B.—A large number of original designs for churches, villas, etc., can be seen at his office."

Besides the above, it is known that Percival designed The First Baptist Church on Union Square in Raleigh and the New East and New West dormitories on the campus of the University of North Carolina at Chapel Hill.

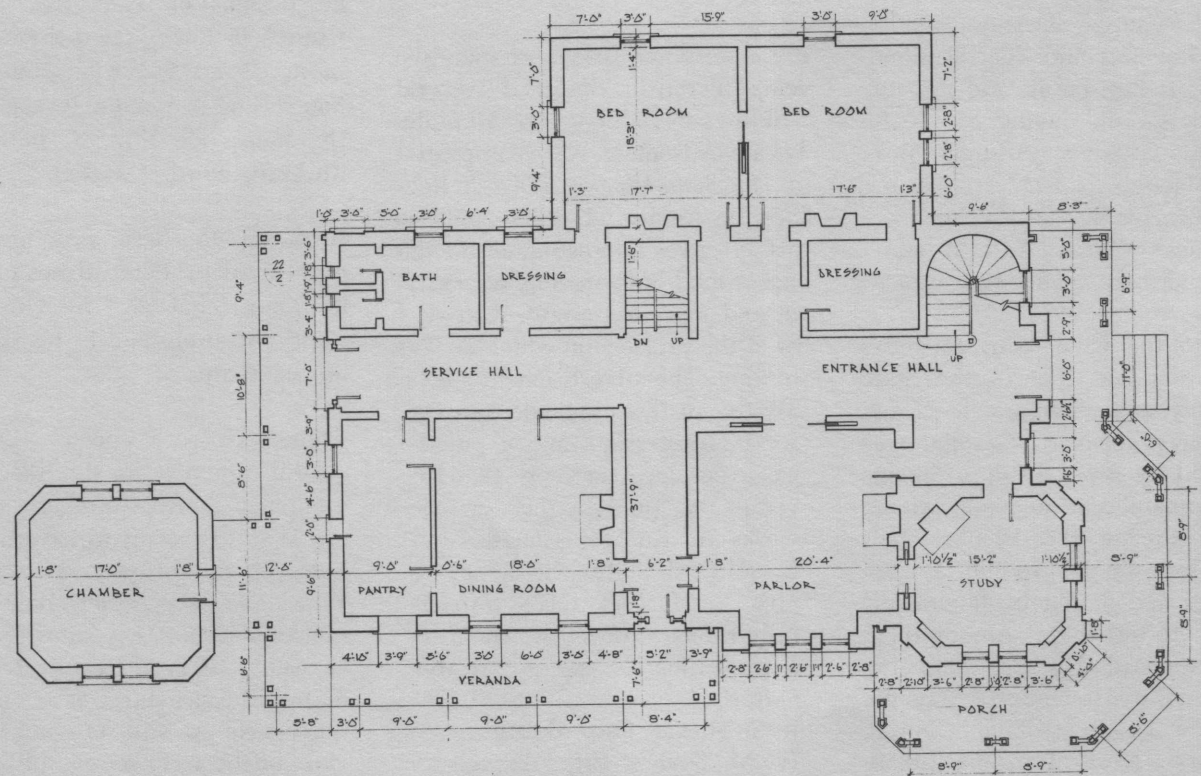
Percival had been greatly influenced by Richard Upjohn, Gothic designer par excellence, and Alexander Jackson Davis, who forged ahead designing residences in the "Italianate" style. This is shown in his designs of The First Baptist Church in Raleigh and the designs of the Wm. M. Boylan House, on South Boylan Avenue, Raleigh, and the house for Wm. S. Battle, in Tarboro, North Carolina.

Brick was the basic structural material used by Percival not only in his houses but also in The First Baptist Church, and in his collegiate structures.

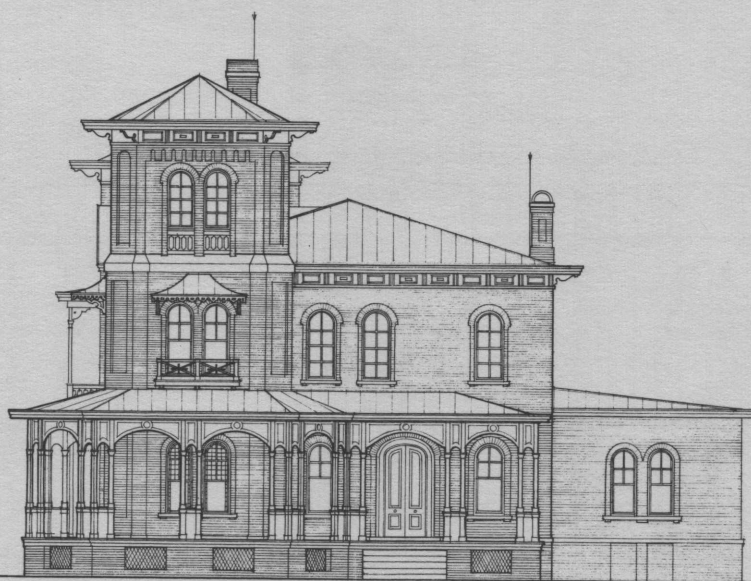
Thus, Architect Percival had a successful practice in the Piedmont section of North Carolina prior to the War. It seems to have ended, however, as abruptly as it began. When and why he left Raleigh is not known, nor is it known where he went. It is interesting to note that all the structures mentioned in this article are still standing to the glory of the architect except for the Tucker House which was demolished during October of 1967.



West Elevation



First Floor Plan



South Elevation

R. S. TUCKER, RESIDENCE

Raleigh, N. C.

Rufus Sylvester Tucker, a wealthy merchant, was well under thirty years of age when he commissioned William Percival to design a house on a wooded lot at 720 Hillsborough Street. The red brick house is two stories high with a single dominant tower having wide overhanging eaves and decorative brackets. To the north, the house was only one story. Verandas surround most of the front south and west side of the house and roundheaded Florentine Early Renaissance win-

dows were incorporated into the design. Canopies and balcony rails were additional "Italianate" details. To the right of the entrance stood a circular staircase and to the left a small study. The study was elaborately paneled and had colored glass in the windows. Beyond were situated the parlor and the dining room. Acetylene gas lighting and hot air furnaces with ducts built into the thickness of the walls were innovations introduced

by the architect. This portion of the house was completed in 1859 by Thomas Briggs and James Dodd, a well known firm of contractors in Raleigh, who were to construct many notable residences both before and after the War.

As the Tucker family grew, a second story was added to the rear of the building, and another three-story tower was built after the War. The two towers contained water storage tanks.



South Elevation — New East

NEW EAST AND NEW WEST HALLS

University of North Carolina, Chapel Hill, N. C.

The New East and New West halls on the campus of the University of North Carolina at Chapel Hill are simple oblongs in shape. They are three and four stories high respectively and have central pillastered projecting bays or pavilions in the center of the two main elevations on each building. This pavilion motif is taller than the rest of the building because of debating hall and the library of the Dialectic Society are situated on the third

floor of New West. Similar facilities were planned for the Philanthropic Society in New East.

The two halls fit into the symmetrical planning of the campus and the difference in height of the two dormitories can be accounted for in the sloping of the whole campus site. New East contained twenty-two dormitory rooms and New West fourteen.

A. J. Davis who had remodeled Old

East and Old West halls had been considered as the designer of the two new dormitories. Percival incorporated a hot water heating system with pipes into his design; an advantage of being less of a fire hazard than open fires. This seems to have been the reason that the Trustees chose Percival over Davis as the designer of these two halls. There seems to have been defects in the working of the hot water system which was later abandoned.

W. M. BOYLAN, RESIDENCE

Raleigh, N. C.

&

W. S. BATTLE, RESIDENCE

Tarboro, N. C.

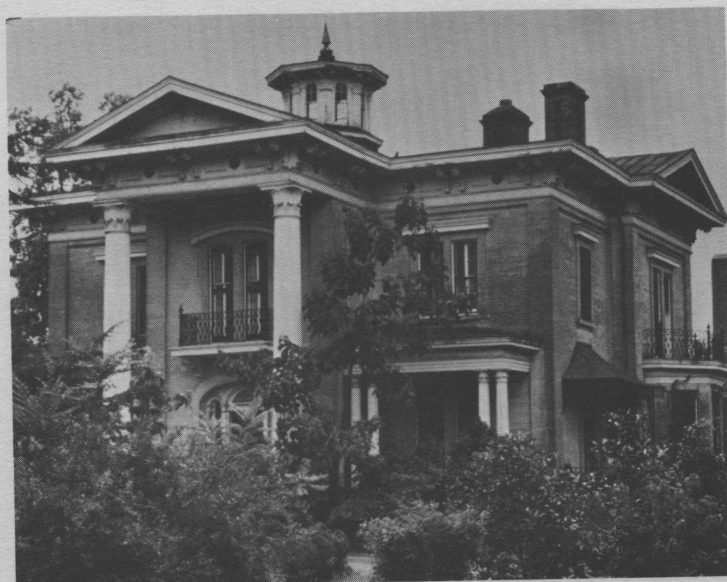
The style of architecture, symmetrical plans and detailing which Percival used in designing Boylan and Battle residences are very similar to that used by Davis at "Blantwood" on West Washington Street in Greensboro for Governor Motley Morehead.

These two houses have a central entrance with a pair of giant order Corinthian columns, a central hall, and staircase. The major rooms of the house are located on either side of the main hall. The red brick structures are capped by low roofs with wide bracketed overhanging eaves, and each structure is surmounted by a cupola.

"Barrucki" as the Wm. S. Battle House is now named, was completed in 1861 and is still used as a residence. The Boylan House is now The Boylan Heights Baptist Church and has so many additions and alterations, including white paint, that it is hardly recognizable as a house of the late 1850's. The cornerstone lists Percival as the architect, Briggs and Dodd as the builders, and Thorn as Percival's assistant. Could Thorn have been the "article pupil of good habits and education" for which Percival advertised?

Upper: Boylan, Res.

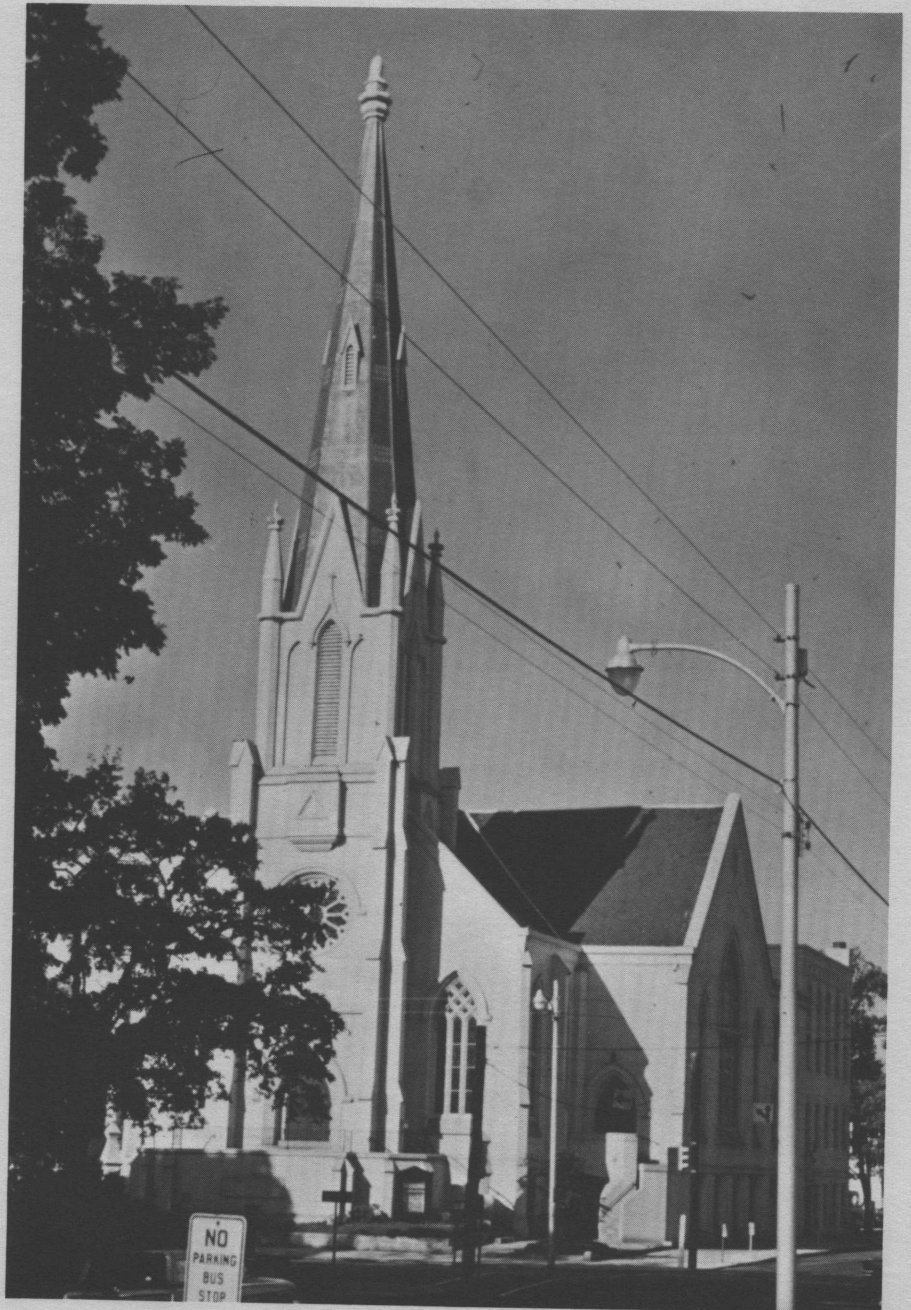
Lower: Battle, Res.



THE FIRST BAPTIST CHURCH

Raleigh, N. C.

The First Baptist Church on the opposite side of Union Square, to Christ Church by Richard Upjohn, is also of the Early English Gothic style with 'decorated' as well as 'lancet' windows. Whereas Christ Church has a 'broach' spire, the Baptist Church has pinnacles and gable ends added to the base of the spire and has red, white and (slate grey) blue polychromy. Facing the square the stucco-covered brick structure is symmetrical. In plan the sanctuary is cruciform with very short arms. The whole space appears to be a square with corners cut out for staircases and dependent rooms. An expansive wooden Upjohn-type cross vault supported on corbeled decorative brackets spans the central space. There is a gallery on three sides and the structure of the tower is expressed above gallery level at the east end.



First Baptist Church

Lawrence Wodehouse is assistant professor of Architecture in the School of Design at N. C. State University. His specialty is 19th century American architecture, particularly of the period immediately preceding and following the War between the States. Mr. Wodehouse has published several articles about the period in the journals of learned societies. Currently, he is in charge of a research project at the School of Design which entails the measuring and recording by students of old buildings in the States.

Delineators of Tucker, Res. are:

Kenneth M. Moffett

John G. Karpick

C. Michael Hager

Delineators of East and West halls are:

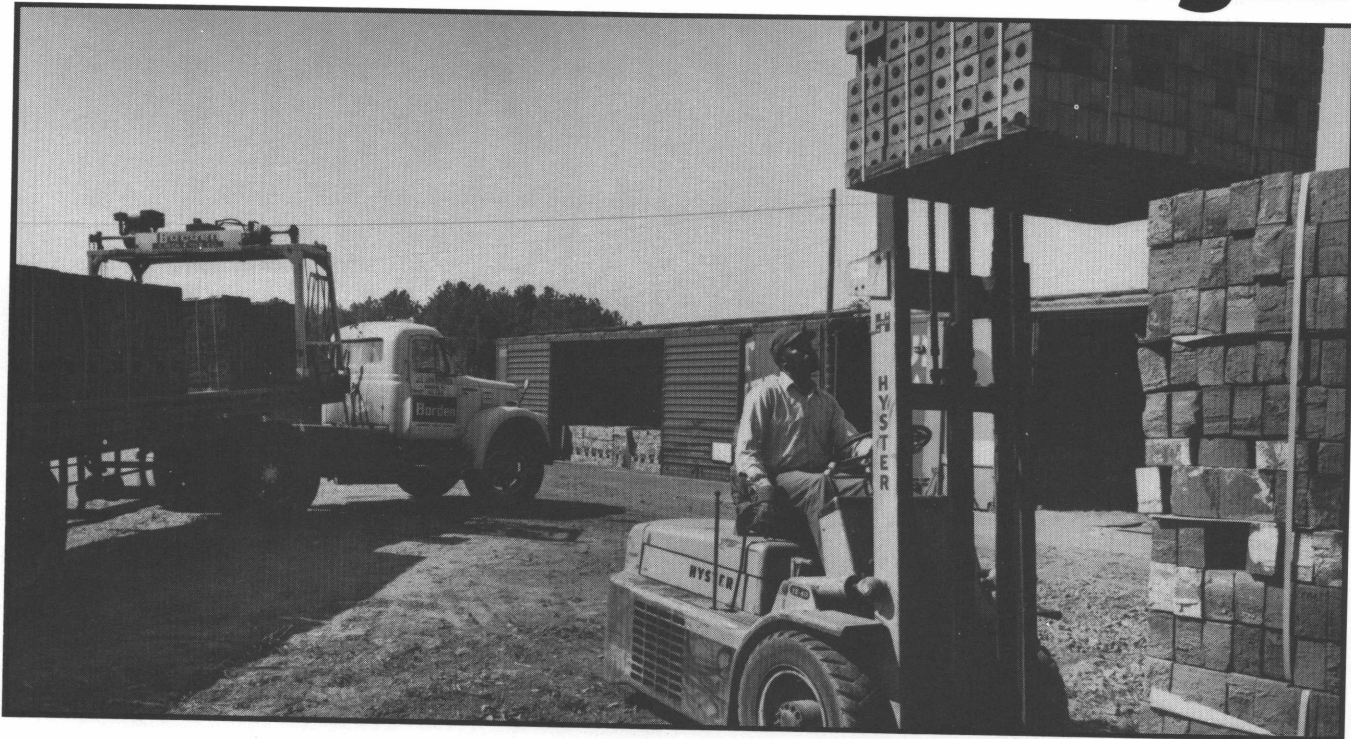
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N. C. CHAPTER AIA HOLDS ANNUAL FALL MEETING

The annual Fall Meeting of the North Carolina Chapter of The American Institute of Architects was held at Sir Walter Hotel, Saturday, October 21, 1967.

The Executive Committee members opened the annual Fall Meeting at 10:00 A.M. in the Raleigh City Club, with the general business session. This was followed by the Chapter Meeting.

Highlight of the meeting was a principal address made by Judge Bernard Tomson, of Nassau County, New York. Judge Tomson is a national authority on law as it relates to the profession of architecture. His address to the Chapter was well received.

Election of officers and directors of NCAIA to serve in 1968 took place.

James C. Hemphill, Jr., FAIA, President of the N. C. Chapter, AIA, presided over the meeting. Approximately 100 architects from across the State attended the one day meeting.

Following the meeting the Chapter honored the North Carolina Press Women at a reception at the Raleigh City Club.

J. Hyatt Hammond, Asheboro architect, is the new President for 1968. Mr. Hammond has served as President-elect during 1967.

First Vice-President and President-elect: J. Norman Pease, Jr. of Charlotte.

Vice-Presidents: Richard L. Rice, Raleigh; Charles H. Wheatley, Charlotte; and Beemer C. Harrell, Hickory.

Secretary: Donald H. Hines, Winston-Salem.

Treasurer: Ryland P. Edwards, Rocky Mount.

Directors for 1968-1969 are Arthur R. Cogswell, Jr., Chapel Hill and Jesse M. Page, Raleigh. James C. Hemphill, Jr., Charlotte, as outgoing President, will serve as a Director. Macon S. Smith, Raleigh, and Robert W. Carr, Durham, each have one more year to serve as Directors. Other Directors to serve for 1968 will be the Presidents of the established sections of NCAIA—The Charlotte Section and The Piedmont Section.

ELECTS OFFICERS AND DIRECTORS FOR 1968



Left to right: Beemer C. Harrell, Charles H. Wheatley, J. Norman Pease, Jr., Richard L. Rice and J. Hyatt Hammond.



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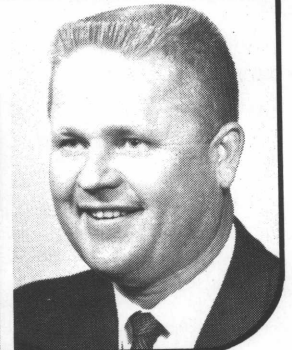
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N. C. Association of Professions are sponsoring series of six television programs "You and Your Future". These promotional programs will feature professional engineers, architects, physicians, dentists, pharmacists and veterinarians.

The TV programs will be released and broadcasted by WUNC-Educational TV from the Raleigh studio. Richard F. Snavelly is directing the production of each program with the assistance of Dr. Jack Porter, Director of the Raleigh Educational TV studio and staff members.

Robert G. Bourne, P.E., of Raleigh, President of the state-wide organization will serve as Host for each of the six programs. The format and closing of each program will be moderated by Mr. Bourne giving identity with the North Carolina Association of Professions.

Each program will feature one of the member professional groups, with emphasis on the training and practice opportunities for additional professional personnel in North Carolina.

Serving on the committee for the architects are: John Wicker, AIA, Chairman; Thomas Rickenbaker, AIA, Charlotte; Leslie Boney, Jr., FAIA, Wilmington; Marvin Johnson, AIA, Raleigh, and William W. Dodge III, AIA, Raleigh. The committee has been hard at work for the past month in writing script and selecting visual aids for use in the taped televised program. Each program is timed at 28 minutes 30 seconds so that they can be used by commercial TV stations following the spring, 1968, scheduled over WUNC Educational TV stations.

CHARLOTTE SECTION, NCAIA, ELECTS 1968 OFFICERS

Officers and Directors to head the Charlotte Section of the N. C. Chapter AIA for 1968 were elected at the regular monthly meeting, October 4th. Roy F. Kendrick, AIA principal in the architectural firm of Wilber, Kendrick, Workman and Warren, serving as Vice President this year, will become president on January 1st. Other architects elected to serve with Kendrick are: Sherman Pardue, AIA, Vice President; Jerry Stacy, AIA, Secretary; Henry Eubanks, AIA, Treasurer; Beverly L. Freeman, AIA, Director. Paul Braswell, AIA, current President, will be on the Board of Directors. Charles H. Wheatley, AIA, was Chairman of Nominating Committee.

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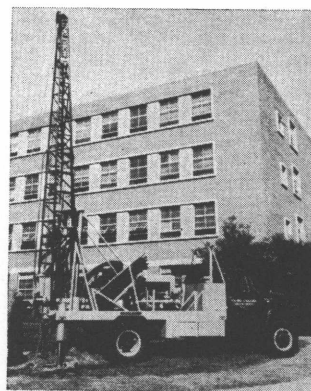
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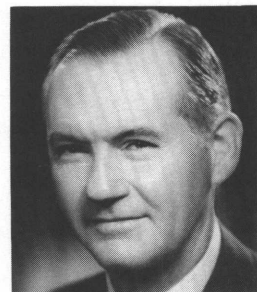
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AGC HOLDS FLORIDA CONVENTION



P. C. Gaskell

The Diplomat Hotel at Hollywood-by-the-Sea, Florida, was the setting for the Forty-Seventh Annual Convention of the Carolinas Branch, Associated General Contractors of America, November 4-8.

A theme of "Progress Through Association" was ably carried through by excellent speakers at the general meeting on Monday. Of exceptional interest was Victor Riesel, nationally acclaimed labor columnist who spoke on "Inside Labor — Behind Today's Headlines and Tomorrow's." Also addressing the group were the Honorable Dan K. Moore, Governor of North Carolina and the Honorable Robert E. McNair, Governor of South Carolina. Robert S. Holmes, Pittsburgh, Pa., President of the American Road Builders' Association, and B. B. Armstrong, Roswell, N. M., Pres. of AGC (who flew in from Fairbanks, Alaska) spoke about construction business on the national level.

The building contractors, highway contractors and public utilities contractors held separate meetings to discuss their individual problems on Tuesday morning. At the annual banquet on Tuesday evening, Mr. J. W. Thompson, President of the Carolina Branch, AGC, turned over his gavel to P. Craig Gaskell of Charlotte who will serve as president for the coming year.

A number of social events, a golf tournament, tennis matches, and a bridge tournament were enjoyed by the 900 in attendance. Mr. James C. Hemphill, Jr., FAIA, President of the N. C. Chapter AIA and Mrs. Hemphill, and Betty Silver, Executive Secretary of the N. C. Chapter AIA, represented the Chapter at the convention.

R. S. REYNOLDS MEMORIAL AWARD OFFERED

Reynolds Award offers an honorarium of \$25,000 and an original sculpture in aluminum. It is sponsored by Reynolds Metals Co. in honor of its founder and is administered by the AIA. Nominations may be submitted by architects or any other interested persons until February 1, 1968, by writing to the Reynolds Award, The American Institute of Architects, 1735 New York Avenue, N. W., Washington, D. C. 20006.

NEW BOOK (Limited Edition)

Announcing a new book, "North Carolina's Capital, Raleigh", treating Raleigh from 1760 to 1967 . . . to be released in November of this the 175th anniversary year of the City . . . a treasure book for you and perfect as a gift for your friends . . . about 235 pages . . . 170 photographs, six or more in color . . . descriptive text with each photograph . . . 30 pages of general, historical text which is written in a factual and at the same time lively and readable manner . . . to be distributed at a non-profit price under \$10.00 . . . contemporary and archival photographs.

Written by Elizabeth C. Waugh; published by The Junior League of Raleigh, Inc. and The Raleigh Historic Sites Commission, Inc.; contemporary photographs by Ralph Mills; and with the cooperation of the North Carolina Department of Archives and History and the North Carolina Museum of Art; printed by N. C. S. U. Print Shop.

Send your reservation request now (send no money) to the North Carolina Museum of Art, Book Shop, 107 East Morgan Street, Raleigh, N. C. 27601.



KARPICK WINS \$300 BLUMCRAFT SCHOLARSHIP

John G. Karpick, President of the N. C. Student Chapter, received a \$300 Blumcraft of Pittsburgh Scholarship for continued study at North Carolina State University. The Blumcraft of Pittsburgh Scholarship comes from a \$3,000 annual scholarship fund established by the designers and manufacturers of railing and grille systems and is administered by The American Institute of Architects.



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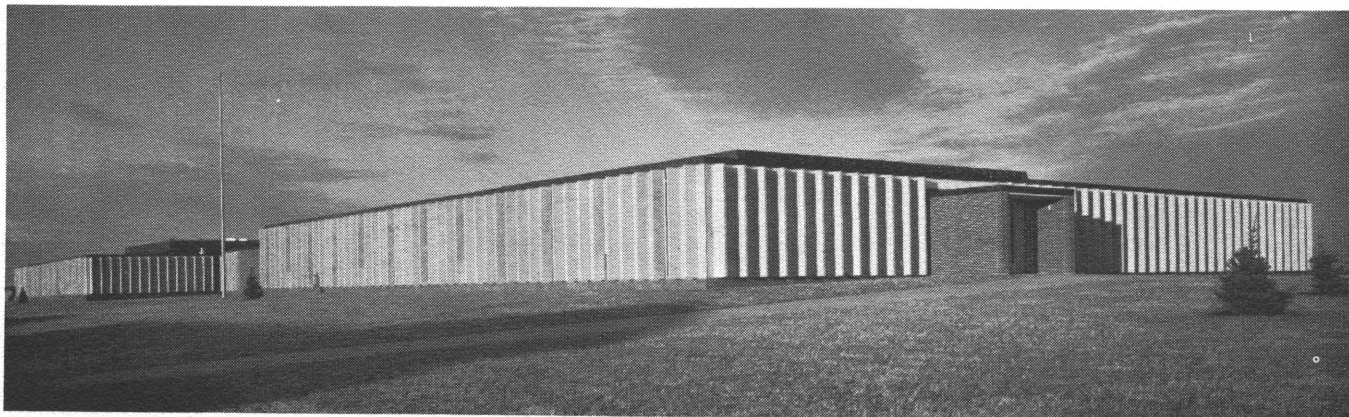
- Dec. 1: Eastern Carolina Council of Architects, Ryland Edwards, AIA, President. Dinner meeting Hotel Goldsboro, Goldsboro, N. C.
- Dec. 5: Durham Council of Architects, Jack Tar Hotel, 12:30 P.M., Max Isley, AIA, President.
- Dec. 6: Charlotte Section, N. C. Chapter AIA, Charlotte Mall Community Hall, 12:30 P.M., Paul Braswell, AIA, President.
- Dec. 7: NCAIA Board of Directors Meeting, 11:00 A.M., Charlotte City Club, Charlotte, James C. Hemphill, Jr., FAIA, President.
- Dec. 7: Raleigh Council of Architects, YMCA Hillsborough Street, 12:15 P.M., George M. Smart, AIA, President.
- Dec. 21: Greensboro Registered Architects, Cellar Antoine's, 12:30 P.M., R. E. L. Peterson, AIA, President.
- Feb. 8-9-10: N. C. Chapter AIA Winter Meeting, Carolina Hotel, Pinehurst, N. C.
- June 24-28: National AIA Meeting, Portland, Oregon and Honolulu, Hawaii.
- July 11-12-13: N. C. Chapter AIA Summer Meeting, Grove Park Inn, Asheville.

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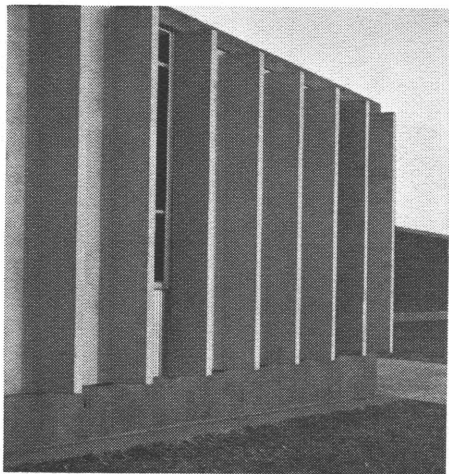
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Simplified way to build a concrete school

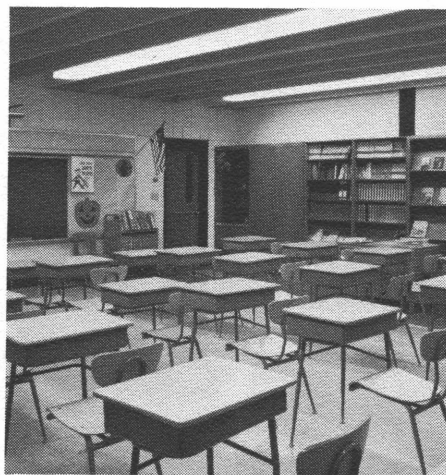
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Architect-Engineer: Foss, Engelstad & Foss, Moorhead. General Contractor: T. F. Powers Construction Co., Fargo, N.D. Precast, Prestressed Concrete Fabricator: Wells Concrete Products Co., Wells, Minn.



Close up of precast wall panels



Classroom with ceiling of exposed double-tees and concrete masonry walls

The Probstfield Elementary School in Moorhead, Minnesota, represents a simplified system of construction rapidly gaining favor for its speed and economy. Both roof and walls are double-tee units of precast, prestressed concrete.

The double-tee roof integrates decking and beams to create its own ceiling. The three-sided recesses formed by the "tees" simplify lighting and air duct installation.

Double-tee curtain walls, using load-bearing concrete masonry as backup, provide a striking and height-accenting

exterior. Easily repositioned, they facilitate future expansion.

The school consists of 21 classrooms, a multi-purpose room, gymnasium, shower and locker rooms, kitchen and office area. The cost—\$14.90 per sq. ft.—included all electrical and mechanical work, as well as kitchen, cafeteria, science and gymnasium equipment. Complete sitework—parking lot, sodding and extensive landscaping—was also included.

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