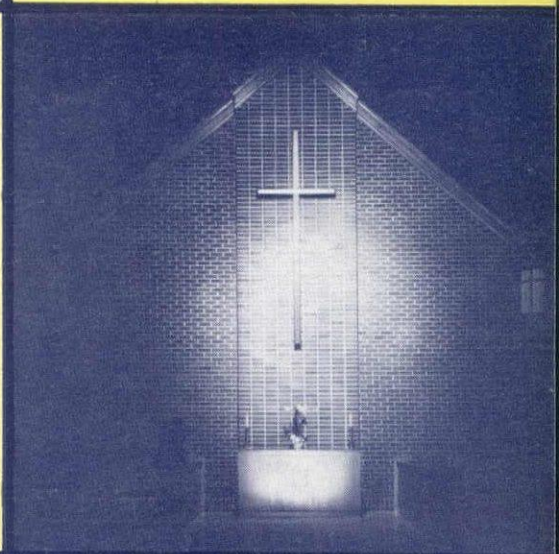
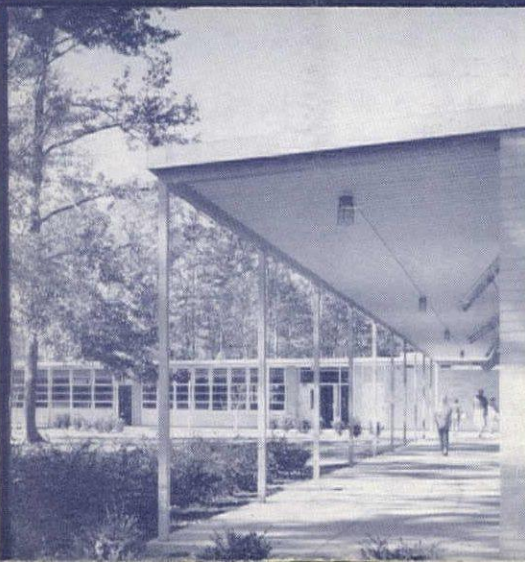
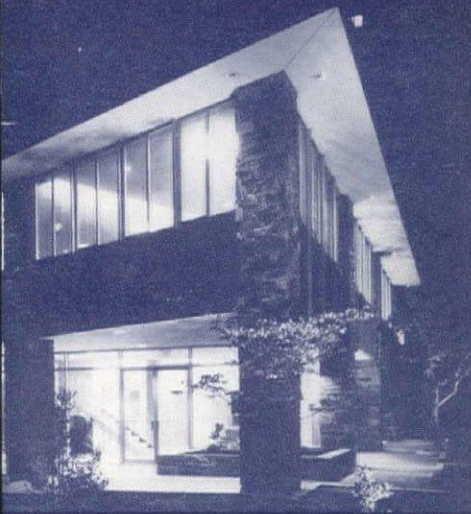
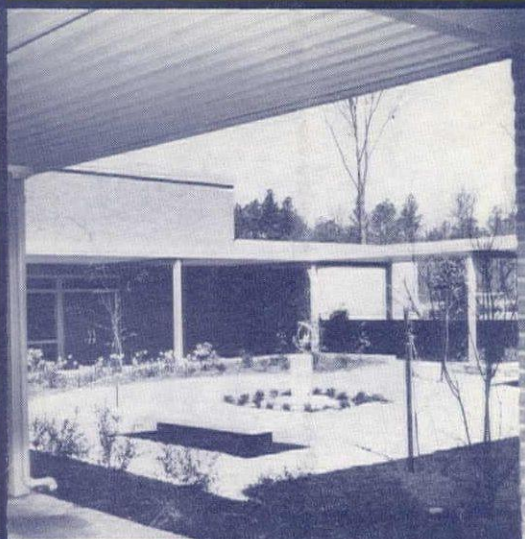


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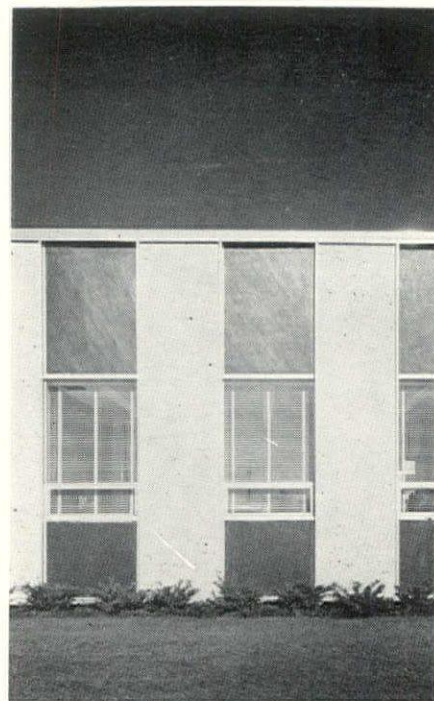
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CLIFFORD DOWDEY  
Editor

DONNA Y. LAURINO  
Executive Editor

R. N. ANDERSON, JR., AIA  
Architectural Editor

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VOLUME LXXXIII

MAY 1961

NUMBER FIVE

## One Bright Beacon

A PRIMARY PURPOSE of the Centennial was to promote education in the authentic history of the Civil War. Locally, judging by some of the letters appearing in Virginia newspapers, the need for dissemination of the truth is even greater than was suspected. Nationally, the triumph of propaganda over facts has been illustrated by the casual acceptance of the mistreatment of Federal prisoners in Confederate prison camps, in implied contrast to the humanity which governed Federal prisons.

Since the Union side has for 100 years covered the truth with the mantle of Moral Right, readers by the thousands accepted the conditions pictured in the novel, *Andersonville*, as typical of Southern meanness and, indeed, no more than was always suspected. With fertile mental soil, the case was carried farther in a play on the trial of Wirz, the commandant of Andersonville, who was likened to the commandants of Nazi prison camps, as was pointed out by critics when the play was shown in West Berlin. Going even beyond that, a popular television serial built post-war action on the aftermath of the "human experiments" made by a Confederate doctor as a precursor of the Nazis at Dachau.

Against such assaults on a public consciousness already receptive to distortions, any progress toward disseminating the truth must be slow and unspectacular. One of the soundest and most laudatory moves in this direction has been made by doctors in the Richmond Academy of Medicine, who have arranged a splendid exhibit—fascinating and informative—on Confederate medicine. Displayed in exhibition rooms in the Academy of Medicine Building across from the White House of the Confederacy, the objects used a century ago, with wartime photographs and readily assimilated data, provide a painless and interesting lesson in the medical work done during the Civil War and the heroic part played by individuals in sustaining health and life in the besieged Confederacy. Particularly illuminating are the substitutes used to compensate for the lack of proper hospital and operating equipment and necessary medicines, as anaesthetics were a contraband of war and forbidden to be imported into the South. The treatment of Northern prisoners was part of the work done by the medical departments, which included thousands of men and women volunteers who, without previous medical training, learned as they served.

A tremendous obstacle for Confederate medicine to overcome, especially in convalescence, was the lack of sufficient nutritional foods. Soldiers and civilians, sick and well, suffered increasingly from malnutrition as the war wore on, and Federal prisoners captured on Southern soil had to make do with the same rations endured by the people whose land they had devastated. Yet, with all the lacks in the Southern states—of surgical instruments, medicines, and food—there is one unavoidable fact from Northern records: with 60,000 more Federal prisoners in the South than there were Confederate prisoners in the North, 4,000 more Confederates than Federals died in prison.

If Wirz, of publicized Andersonville notoriety, was likened to the Nazis, then what of the commandant of Camp Douglas, Chicago, where ten per cent of the Confederate prisoners died in a single month, February 1863? This mortality rate among lightly clad men from the Lower South, imprisoned in the damp cold

(Continued on page 45)

THE COVER indicates the cross section of recent achievements by Virginia architects featured in this issue. From the top, clockwise, the photographs show the courtyard of The Collegiate Schools, looking toward the Cafeteria-Assembly Building, Richmond; the altar at Corinth Methodist Church, Sandston; the prize-winning Great Bridge Elementary School in Norfolk County, and the Association for Childhood Education International in Washington.

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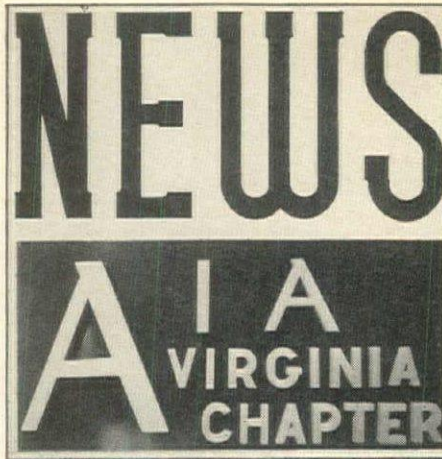
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NEWLY ELECTED Corporate and Associate members of the Virginia Chapter, The American Institute of Architects, are: (Corporates)

NELSON C. RANCORN, JR.

Born August 13, 1929 in Newport News. Attended Warwick High School where he graduated in 1946. Received a B.S. degree in Architecture from the University of Virginia in 1951. Was a member of the Student Chapter, AIA at the University of Virginia from 1947 until 1951. Presently practicing architecture as a partner in the firm of Rancorn, Wildman and Krause in Newport News.

RICHARD D. HOOK

Born June 15, 1929 in Trone. Graduated from Mount Vernon High School in Alexandria in 1946. Attended Columbia Technical Institute in Washington, D. C. until 1949. Employed by Gordon D. Rust, Willgoos & Chase, John W. Pickett and John R. Strang, architects. Was certified as an architect in 1960 and is presently employed as Chief Draftsman and Designer with Pickett and Siess in Falls Church.

MELVIN S. KRAUSE, JR.

Born February 16, 1934 in Newport News. Educated at Newport News High School and received a B.S. in Architecture from the University of Virginia in 1956. Received a diploma from Ecole des Beaux Arts Fontainebleau, France in 1956. Attended M.I.T. and received an M.C.P. Degree in 1958. Recipient of Randall-McIver Scholarship, A.I.A., Student Gold Medal, Edward Langley Scholarship and Fontainebleau Scholarship while at the University of Virginia where he was also a member of the Student Chapter, AIA. Also received Chandler Fellowship from M.I.T. Presently working as Designer with Johnson, Craven and Gibson in Charlottesville and as Lecturer at the University of Virginia.

(Continued on page 6)

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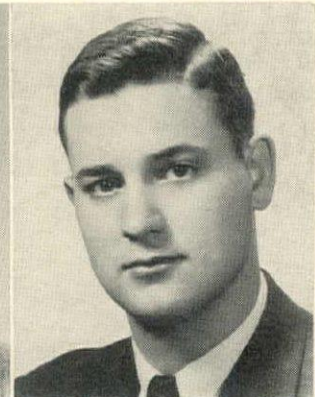
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## AIA NEWS

### NEW CORPORATE MEMBERS, AIA



VAIL

CHARLIE L. VAIL, JR.

Born September 2, 1924 in Sanddages. Educated at Amherst High School, Gladys High School and Monroe Trade School. Employed by Pendleton S. Clark and Poston and Burks in Lynchburg. On June 17, 1960 he was certified as an Architect and is presently practicing architecture in Madison Heights.

WALTER W. WILDMAN

Born June 14, 1932 in Richmond. Attended Warwick High School, Newport News, and graduated in 1950. Attended V.P.I. and transferred to the University of Virginia where he received a B.S. Degree in Architecture in 1956. Won first prize in the Southern Brick and Tile Award and first prize in the Solite Award competitions, and



WILDMAN



McCLINTOCK

was a member of the Student Chapter, AIA, at the University of Virginia from 1953 to 1956. Presently practicing architecture as a partner in the firm of Rancorn, Wildman and Krause in Newport News.

CLYDE E. McCLINTOCK

Born July 2, 1929 in Maidens. Attended Bedford High School in Bedford until graduation in 1947. While attending University of Virginia received the Randall-McIver Scholarship and the DuPont Scholarship, and in 1951 graduated with a B.S. Degree in Architecture. Became an Associate Member of the Virginia Chapter, AIA in 1958. Presently practicing architecture as an Associate Member of the firm of E. Tucker Carlton in Richmond.

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## NEW ASSOCIATE MEMBERS, AIA



ZARLING

### EUGENE H. ZARLING

Born Nov. 6, 1925 in Cambridge, Massachusetts. Attended Classical High School of Lynn, Mass., then transferred to Handley High School in Winchester where he graduated in 1943. Received a B.A. Degree in Political Science from the College of William and Mary in 1949, and a B.S. degree in Architecture from the University of Virginia in 1953. Presently employed with the U. S. Army Corps of Engineers in Norfolk.



CHAMBERLAYNE

### CHARLES H. CHAMBERLAYNE

Born March 24, 1935 in Arlington. Graduated from Norview High School, Norfolk in 1953. Attended University of Virginia, where he was a member of the Student Chapter, and graduated in 1960 with a B.A. Degree in Architecture. Presently employed as a draftsman with E. Tucker Carlton, in Richmond.



HOLTON

### FRANK C. HOLTON, JR.

Born June 5, 1930 in Princeton, W. Va. Graduated from Maury High School in Norfolk in 1948. Attended V.P.I. where he received his B.A. Degree in Architecture in 1958, and was a member of the Student Chapter, AIA from 1954 to 1958. Presently employed as draftsman with Oliver and Smith of Norfolk.

\* \* \*

(News continued on page 9)

### EXHIBIT SPACES AVAILABLE

Reservations are now being taken for manufacturer's exhibit spaces for the Joint Meeting of AIA-VSPE at Hotel Roanoke, Roanoke, Virginia, on October 19, 20, 21, 1961. Interested parties should contact Miss Nancy Quensen, 11 S. Second Street, Richmond, Virginia.

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See page 22.



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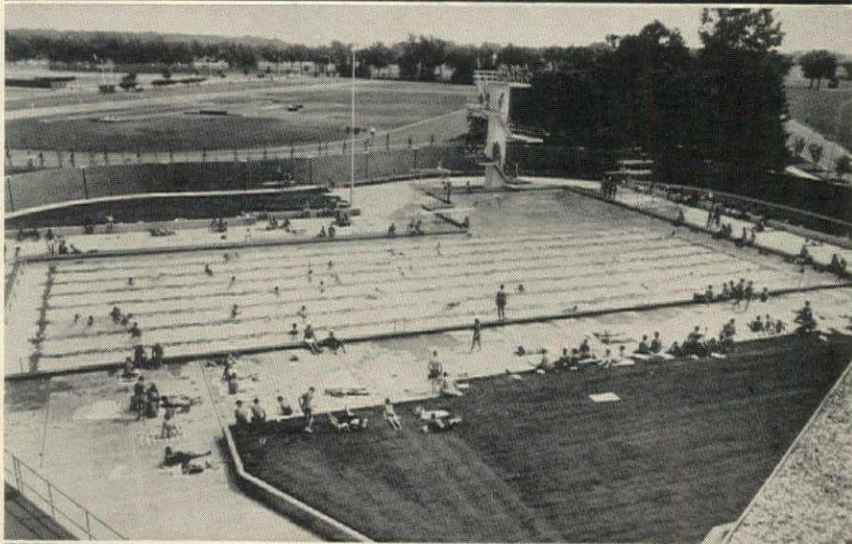
## AIA NEWS (Continued)



*Architectural RECORD* editor Douglas Haskell spoke twice in Richmond last month and created a new bubble of interest in architecture old and new, in the population explosion and in re-planning of our cities. His comments on the inroads and effects of the automobile on our city planning hit deep, and his call for a few areas of "honky-tonk" started a lot of conversation. He is shown, top to bottom, during his rounds. First with Marcellus Wright, Jr. and Kenneth Higgins, next as he was interviewed by Bill Thompson, Jr., of WRVA-TV for a spot on that station's news program, next at the Houdon statue of Washington in the Rotunda of the Capitol with James Scott Rawlings, Mrs. Valentine, senior hostess at the Capitol, and Ben R. Johns, Jr. In the photo below he is shown being interviewed for WTVR Television by Dick Kasson. At a reception at the Hermitage Country Club, before his address to the Richmond Section, AIA, he met Miss Mary Wingfield Scott and members of the Richmond City Council, Planning Commission, and other civic groups. Shown are Walter Craigie, General Conquest and former Mayor Bryan.



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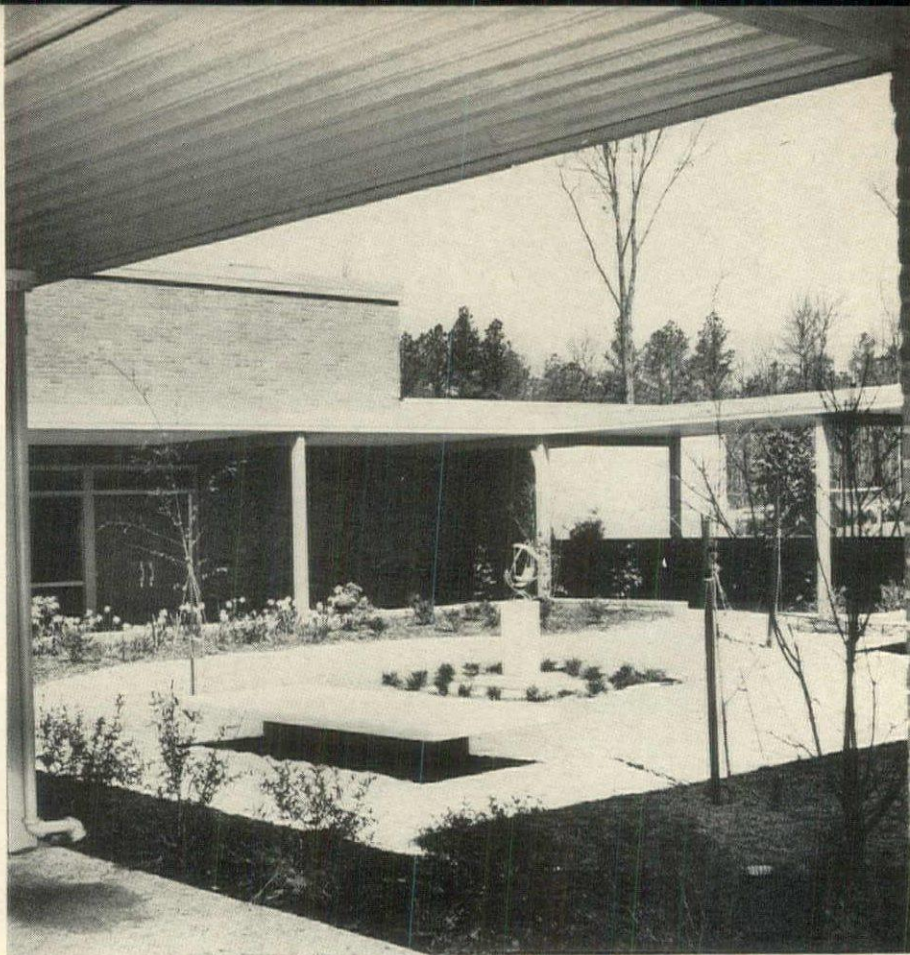
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*Courtyard looking toward cafeteria*

## The Collegiate Schools Richmond

*Cafeteria-Assembly and Administration*



ALAN McCULLOUGH, AIA  
Architect

EMMETT SIMMONS & ASSOC.  
Mechanical Consultants

TORRENCE, DREELIN & ASSOC.  
Structural Consultants

DOYLE & RUSSELL  
General Contractor

**I**N 1959 COLLEGIATE SCHOOL FOR GIRLS founded in 1915, and located on Monument Avenue in Richmond, was merged with Collegiate Country Day School, located west of the city. The new school, named the Collegiate Schools, was built on property adjacent to the former Country Day School. Collegiate School for Girls has had in Richmond for many years a distinguished record of achievement in scholarship.

The educational program required new facilities for 640 pupils, grades 5 through 12, which together with the existing Country Day now includes kindergarten through high school, totaling approximately 1040 pupils.

Each grade is divided into four sections of 20 students each, boys and girls in equal numbers. The new school provides separate class room buildings for girls and boys in keeping with the separate curriculum for each.

The new plant, designed by Alan McCullough, Richmond architect, provides for 42 classrooms, two study halls, Cafeteria-Assembly Building, Library, Art Room, four Science Laboratories, Science Lecture Room, Administrative and Health offices, and Patron's meeting room.

The Science Department in the new school is housed in a separate building providing Laboratories for Chemistry, Physics, Biology and General Science. A science lecture room is also provided in this building for lectures and experiment demonstrations to larger groups of students than can be accommodated in the laboratories.

A one-story modified campus plan was adopted, composed of eight buildings, two of which, Boys and Girls Class Room Buildings respectively, are of a similar plan. These are located equally accessible to Cafeteria-Assembly, Administration, Library-Art Building and Science Building.

The Music Building, located in a woods setting, provides a Recital Room for seating approximately 100 persons, with movable stage for two pianos. This room is used not only for recitals but for parents' small group meetings

*(Continued on page 41)*



# Prize Winning Tidewater School

## Great Bridge Elementary School

OLIVER & SMITH  
ARCHITECTS

ROBT. R. MARQUIS, INC., General Contractor

**T**HE GREAT BRIDGE ELEMENTARY SCHOOL, designed by Oliver and Smith, Architects, of Norfolk, received an award of merit from the Virginia Chapter, American Institute of Architects in 1960 and has been approved for exhibit at the A.A.S.A. meeting and the National School Board's Association meeting in Philadelphia this year.

Located on a 14 acre site adjacent to the county offices on Cedar Road in Great Bridge, it is in the midst of an exploding suburban area on the outskirts of Virginia's largest city. The construction of this new facility has made it possible for all of the elementary pupils of this rapidly expanding area of Norfolk County to be together in the same school for the first time in years.

The building houses grades one through six in 24 classrooms with a

total capacity of 800 students. The separate wings, which allow a grouping of grades, surround a central courtyard, providing a hard surfaced play and recreation area. The building walls around the court serve as windscreens. Ten of the classrooms are designed as self contained primary units. All rooms have movable storage and coat closets, bulletin boards, individual water fountains and heat controls. The most unique feature of the new structure is its exterior corridor design which allows all classrooms to open to the outside,

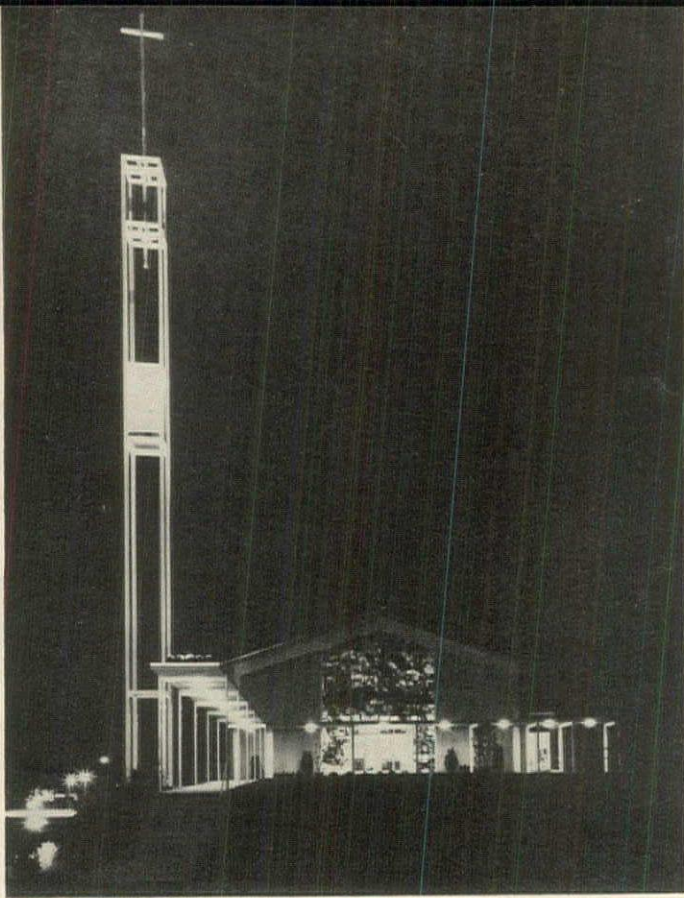
affording limitless possibilities for observation of the outdoors and creating a pleasant atmosphere conducive to study. Wide overhangs provide protection in inclement weather. On the fourth side of the central court is the administrative wing, housing the cafeteria, general offices, clinic and combination auditorium-gymnasium. The library is located in the classroom wing.

The building is wired for closed circuit television which reflects plans for the future, as well as current cur-

*(Continued on page 40)*







# FIRST BAPTIST CHURCH ANNANDALE

VOSBECK-WARD & ASSOCIATES  
Architects

GEORGE CAMPBELL  
Mechanical Consultant

KLUCKHUHN-COBB & McDAVID  
Electrical Consultants

FORTUNE ENGINEERING ASSOCIATES  
Structural Consultants

THE RUST CONSTRUCTION CO., INC.  
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**T**HE FIRST BAPTIST CHURCH, in Annandale, Fairfax County, was designed by Vosbeck-Ward and Associates, architects, and completed in February of 1960. Sixty-two x 120 feet in size, it has seating in the auditorium for 775 and in the ground floor education space for 250.

The structural system of the building employs a structural steel frame with steel joist floor construction, face brick and pre-cast concrete for the exterior walls. The roof is covered with asphalt shingles and built up roofing.

Within the building the finishes are principally carpet in the auditorium, with vinyl and asphalt tile in other areas, plaster and wood panelled walls, acoustic plaster ceiling, with recessed incandescent fixtures for the major lighting in the auditorium. Chilled and hot water from a central source is provided to air handling units for heating and cooling. There is a limited amount of baseboard radiation, in addition, and the church office suite is on a separate air cooled unit zone.

The free-standing tower is con-

structed of structural steel frame with an alumilited aluminum cross on top and gold anodized aluminum panels.

The church program, financing and long-range master planning required that this building addition be designed as an intermediate stage auditorium with adjacent educational space. The solution arrived at provides the auditorium plus ground level educational space, dining facilities and offices. This building is designed structurally and otherwise for conversion into a three-

*(Continued on page 43)*

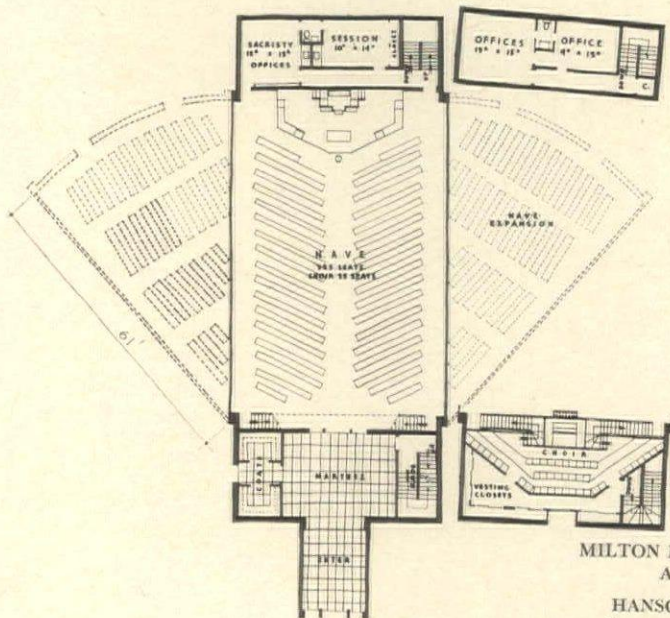
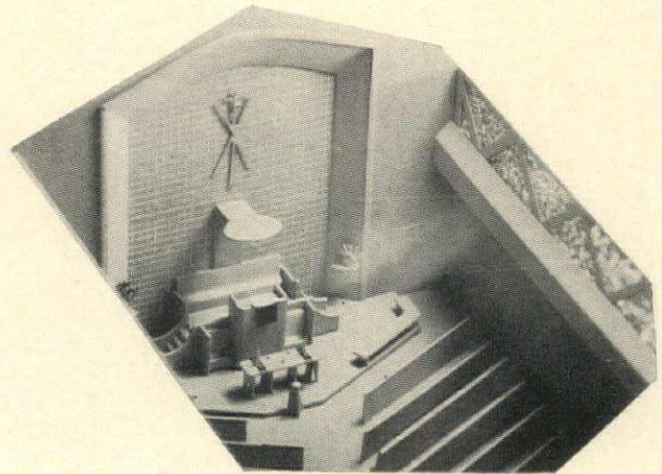




# First Presbyterian Church Of The Covenant At Arlington

**U**NIQUE FLEXIBILITY for future expansion characterizes the plan and basic concept of this structure in Arlington. The ultimate growth of the church congregation cannot reasonably be predicted at this time. Therefore the architect was required to develop a plan which would permit expansion of seating within broad limits. The development of a ultimate plan employing concentric seating was made possible by the development of a Virendell truss design in which the structural truss will form the entire clerestory of the building. The voids in the structural truss are being filled with thick faceted chunks of glass set in epoxy resin matrix, presenting a clerestory wall of colored glass symbolism.

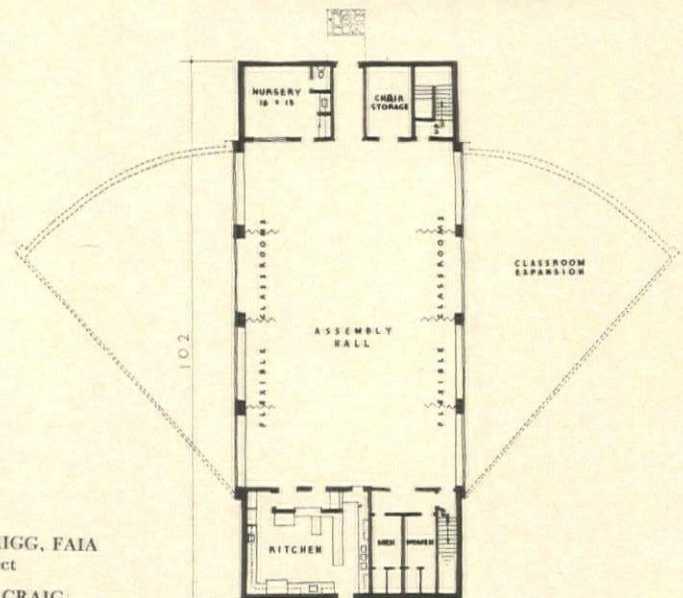
In the first unit the nave walls below the truss will be of natural finished wood and will be entirely removable for the ultimate expansion of the radiating nave walls.



MILTON L. GRIGG, FAIA  
Architect

HANSON & CRAIG  
Structural Consultants

BRANDT & MORSE  
Mechanical Consultants



The tower design is of prestressed, precast concrete and forms a housing over the heating and air conditioning equipment which is contained in the tower.

The master plan anticipates the maximum of flexibility in Christian Education facilities by the employment of an expansible campus type arrangement in which the individual classroom units are 51' diameter hexagonal buildings. It is anticipated that each of these buildings can be constructed at \$25,000 capital cost, thus avoiding large outlays for the conventional "Sunday School wing." The design of the buildings and furnishings are by the office of Milton L. Grigg with Hanson and Craig as structural engineers and Brandt and Morse as consulting mechanical engineers. The general contract has not yet been awarded.





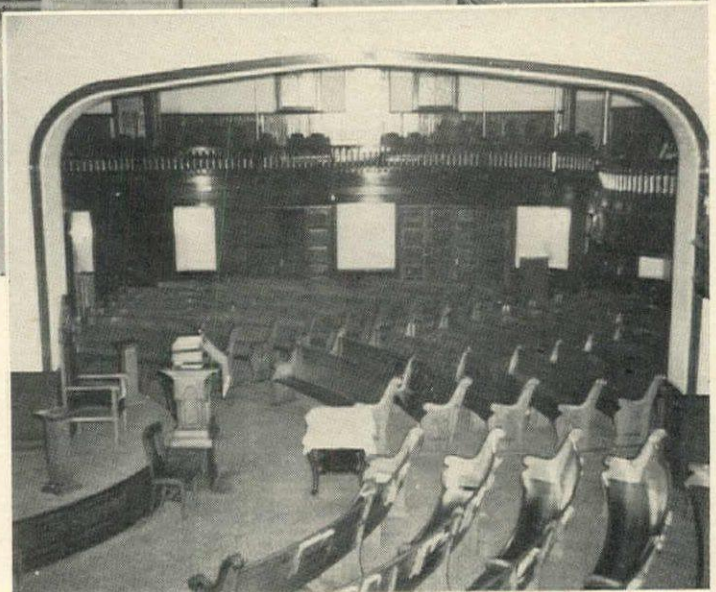


## HANOVER AVENUE CHRISTIAN CHURCH

### Richmond

BALLOU & JUSTICE  
Architects

TORRENCE, DREELIN & ASSOCIATES  
Structural Consultants



JAS. FOX & SONS, INC.: General Contractor

**T**HE REMODELLING AND RENOVATION OF Hanover Avenue Christian Church executed by Ballou and Justice, Architects & Engineers, was the result of the decision of the congregation to remain at a downtown location. Rather than move to the suburbs, they felt that their needs could be met by a revamping of the interior of the Sanctuary and a rearrangement of the Sunday School Classrooms.

The existing Sanctuary was most unsatisfactory since it had been built in two stages and did not have the necessary facilities such as Narthex, Chancel and an adequate Balcony. The layout did not lend itself to a formal service and the pew arrangement was not satisfactory for easy accessibility to the pews. The congregation desired better acoustics and a more flexible arrangement for the services and church functions.

With the problem of an entirely new shape and the necessity to leave the exterior undisturbed, a plan was developed which created a Narthex, Nave and Chancel enclosed by an inner shell. The space between the shell and exterior walls was used for the heating and air conditioning ducts, which provided cooling for the Sanctuary and the Narthex. This use of an otherwise wasted space also provided easy access to mechanical equipment. The new layout has seating for approximately 325 in the Nave, 30 in the Chancel and 100 in the Balcony.

The new plan has a split Chancel with a Baptistry located

to the rear of the Chancel, easily visible to the entire congregation. The Baptistry is accessible from the second floor by means of small stairs.

A new pipe organ was installed, making use of space over both of the passageways alongside the Chancel leading to the classrooms. A complete sound system and attractive decorating, using pastel colors with darker wainscots and oyster white woodwork, creates a bright and cheerful atmosphere for worship.

The demolition and construction began in April 1957 and the Dedication Service was held in December 1957. The entire project, which included renovating and some remodelling in the Basement cost \$135,000.00.

The minister at the time of construction was Dr. J. Daniel Joyce and the very efficient Chairman of the Building Committee was Perry Seay.

General contractor was Jas. Fox & Sons, Inc., Richmond, who also did the concrete work, millwork, carpentry, wood flooring and paneling. Subcontractors and material suppliers were as follows:

Southern Brick Contractors, Inc., masonry; Industrial Iron & Steel Co., steel, ornamental and miscellaneous steel; N. W. Martin & Bros., Inc., roofing; Binswanger Glass Co., glazing; J. C. Hungerford, Inc., painting; E. S. Chappell Co., Inc., weatherstripping.

Also, McL. T. O'Ferrall & Co., resilient tile, acoustical; E. Leslie Davis, plaster; L. W. Roberts Co., lighting fixtures; W. L. Wachter, electrical work; Virginia Plumbing & Heating Corp., plumbing fixtures, plumbing, air conditioning, heating, ventilating; and Pleasants Hardware. All are Richmond firms.

The organ was supplied by M. P. Moeller, Inc., Hagerstown, Md. Pews were by Southern Desk Co., Hickory, North Carolina.



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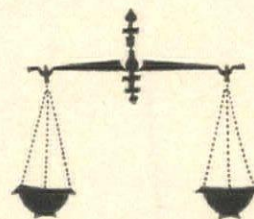
612 N. Lombardy St.

CUSTOMER PARKING LOT

Hardware suppliers for the new Epiphany Evangelical Lutheran

Church, page 28, and the alterations to the

Hanover Avenue Christian Church, facing page.



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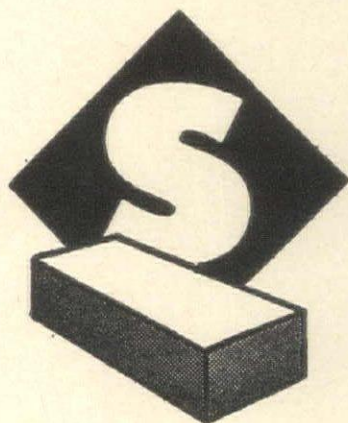
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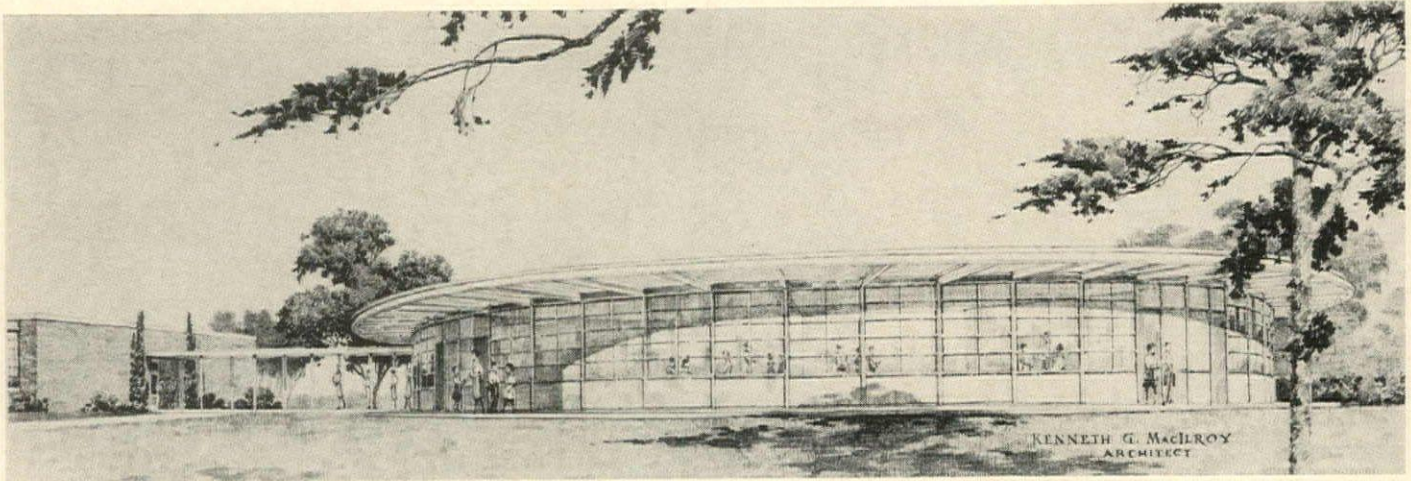
**WEST SAND AND GRAVEL CO., INC.**

2801 RADY STREET, RICHMOND, VIRGINIA MI 8-8307





# New Richmond School



● Circular school buildings, a new design concept for schools in Virginia, are being constructed as additions to three elementary schools in Richmond—Whitcomb Court School, Fairfield Court School and Woodville School. Designed by Kenneth G. MacIlroy, AIA, these circular buildings have proven to be exceptionally economical to build and the owner contends that this design creates greater opportunities for team teaching and group activities, not usually found in conventionally designed schools with central corridors.

The three existing buildings, to which the additions are being made, are basically similar. Each is a 600-pupil, 20-classroom building with combined cafeteria and auditorium, kitchen, library, health and office suites. They are in the same section of Richmond, and because of the expanding pupil population in that area, it was necessary either to build another entirely separate school within one block of one of the existing

schools or make additions to the three schools. The Richmond school administrators do not like to increase the size of their elementary schools beyond a capacity of 600 pupils and they did not look with favor on adding another new school building so near the three existing schools.

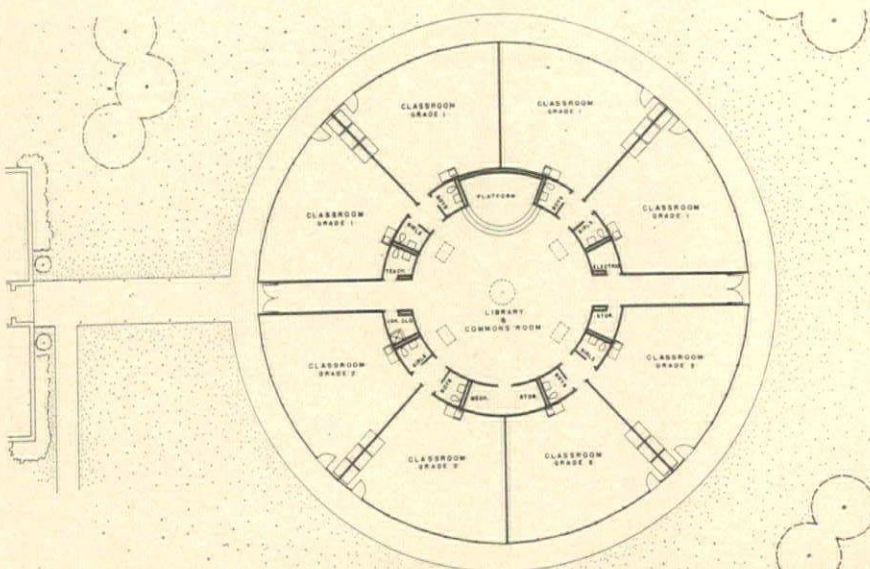
It was, therefore, decided to make each addition a self contained unit, except for cafeteria use, for 240 pupils in junior primary grades 1 and 2. By this separation, the bigness associated with an 840-pupil elementary school is minimized. Each circular building consists of eight classrooms, a library and commons room, storage rooms, janitor's facilities, and pupil and staff toilets.

The circular shape of the buildings was proposed by the architect as the design which most successfully provided for the educational program and the aesthetic qualities of the entire school plant, as well as the economy that was required to meet the budget. Each of

the three existing buildings is linear in design and an extension of the buildings or separate rectangular additions would make the existing buildings appear much longer. The circular additions give a focal point and a change in shape, while at the same time harmonizing with the existing buildings.

The circular buildings are 110 feet in diameter and have 50 equal sides, each approximately seven feet long. These sides are flat window wall units, but since there will be 50 sides or segments of a circle, the building will appear as a true circle. Having flat rather than circular surfaces effected considerable savings in cost.

The classrooms, as segments of a circle, have non-parallel walls which aid the acoustics. The entire surface, from floor to ceiling, of the inner curved wall is a tackboard for display. Chalkboards are placed on each of the radii walls. Each classroom has a work sink and a drinking fountain. The student coat racks, teachers' storage cabinets and student work counters are movable equipment to permit varied locations to best relate to diversified instructional grouping within the classrooms. Separate boys' and girls' toilet rooms are provided for each two classrooms.



## ROUND SCHOOLS

KENNETH G. MacILROY, AIA  
Architect

ROACHE, MERCER & FAISON  
Mechanical & Electrical Consultants

MacFARLANE & SADLER  
Structural Consultants

R. L. BULIFANT & CO., INC.  
General Contractor

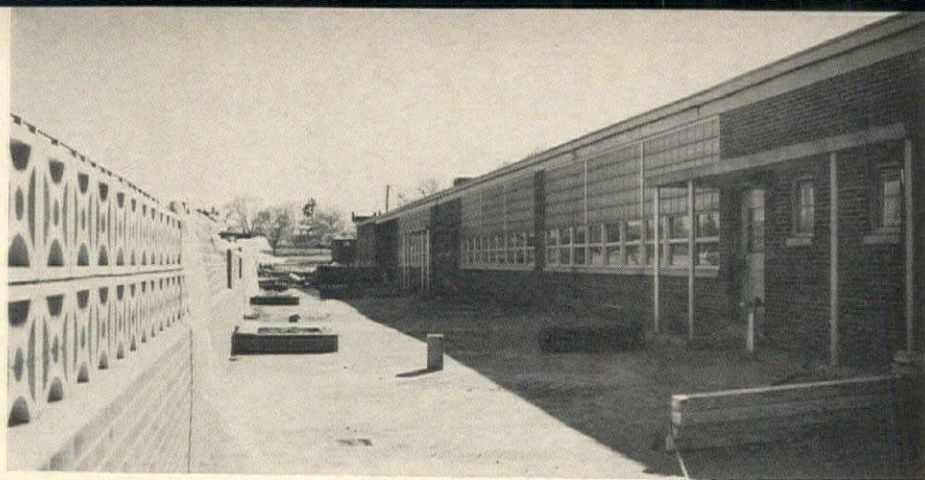


# Additions

The library and commons room is a centrally located space, equally convenient to all eight classrooms. It is here that the team teaching of several classes at one time will be accomplished and audio-visual equipment used. This will be a central area for displays, projects and special programs for the primary grades. It also contains a small platform for dramatic presentations and other uses. Natural daylighting is accomplished by skylights which have electrically controlled shades for darkening the room. The relation of this central space to classrooms gives the building all the advantages of departmentalization type teaching without voiding the advantages of self-contained classrooms. The building becomes an important educational tool.

The circular units have an exposed structural steel frame. The exterior wall is almost maintenance free with its aluminum windows, aluminum door frames and insulated steel panels with durable porcelain enamel exterior face beneath the windows. Exterior doors are steel. The roof extends eight feet beyond the exterior wall, covering the exterior perimeter sidewalk which serves as an exterior corridor for access to the existing building. The wide roof overhang also provides protection for the classrooms from direct sunlight and sky glare.

Floors of the entire building are monolithic terrazzo bonded to a concrete slab on grade, except in toilet rooms which will have ceramic tile, thus giving long-lasting, colorful and easily maintained floor surfaces. All ceilings throughout the building are acoustical, with the bottom of the pre-cast insulated roof deck serving as a ceiling in classrooms and elsewhere, except toilets and vestibules which will have suspended mineral acoustic tile ceilings. Walls in toilets are ceramic tile and other interior partitions are painted Solite masonry block.



The circular building additions will be electrically heated, thus not requiring a boiler room. Each classroom and the commons room will be individually thermostatically controlled. There will be automatic mechanical air exhausts serving all rooms. Lighting will be fluorescent type.

And the cost for all these features—only \$10.61 per square foot.

• Another school addition underway in Richmond follows an open court rectangular plan. At the Westover Hills School, a modified "U" shape building is being added to the existing plant to provide additional classroom and multi-purpose room space.

As is the problem with all current school building construction, the cost of the new facilities had to be held within closely regulated budgets. At the Westover Hills School addition, the success of the close control of costs is concrete evidence of conscientious thought and cooperation between Richmond School Board officials and the architect in working out new procedures for architectural work in connection with school building in the city.

The original Westover Hills School building was designed by Richmond architects Marcellus Wright & Son. For the addition, the same architectural firm was retained and a plan worked out to team with the administrative staff forces to help in holding the cost line.

The new addition is one story in height, 194 by 339 feet and of brick on concrete block. The interior is of painted concrete masonry units and ceramic tile. The roof is of built-up construction on steel and fibre roof decks. Windows are aluminum. Floors are of ceramic tile, terrazzo, and resilient flooring on concrete floor slabs.

One of the features of the new addition is a concrete masonry light screen wall which will divide the court separating the old and new buildings. It is constructed of two courses of a special pierced block set atop a brick wall. Sky-lights are also used for natural illumination in the Westover Hills School.

Henry W. Roberts was the structural engineering consultant. William A. Brown was the engineering consultant for mechanical and electric. R. L. Bulifant & Co., Inc., general contractors for the round school additions, are also general contractors at the Westover addition. Subcontractors and material suppliers include:

Southern Materials Co., Inc., concrete; Welding Service Co., steel; Montague-Betts Co., Inc., steel roof deck and steel joists; R. P. Whitley Roofing Co., roofing and waterproofing; Ingalls Stone Co., Columbus, Ohio, and Economy Cast Stone Co., stone work; W. H. Stovall & Co., Inc., windows; Sash Door & Glass Corp., glazing; M. P. Barden & Sons, painting; McLain T. O'Ferrall & Co., acoustical and resilient tile; Carl C. Miller, plaster; Oliva & Lazzari, Inc., ceramic tile and terrazzo; Willkight Co., Scottsville, wood flooring; Ruffin & Payne, Inc., millwork; John J. Bagley, steel doors and bucks; Oliver Brothers, Inc., electrical work; W. H. White, plumbing, heating and ventilating; J. B. Eurell Co., Insulrock roof deck; Guy Smith Hardware, Inc., finish hardware and John G. Kolbe, Inc., food service equipment. All of the above are from Richmond unless otherwise noted.

The general contractor did the work on excavating, foundations, masonry and carpentry.

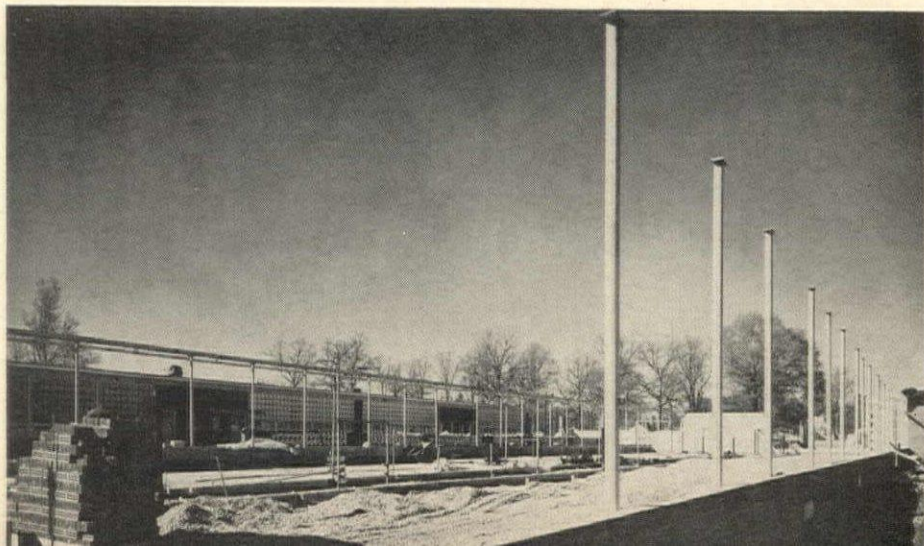
## SQUARE SCHOOL

MARCELLUS WRIGHT & SON  
Architects

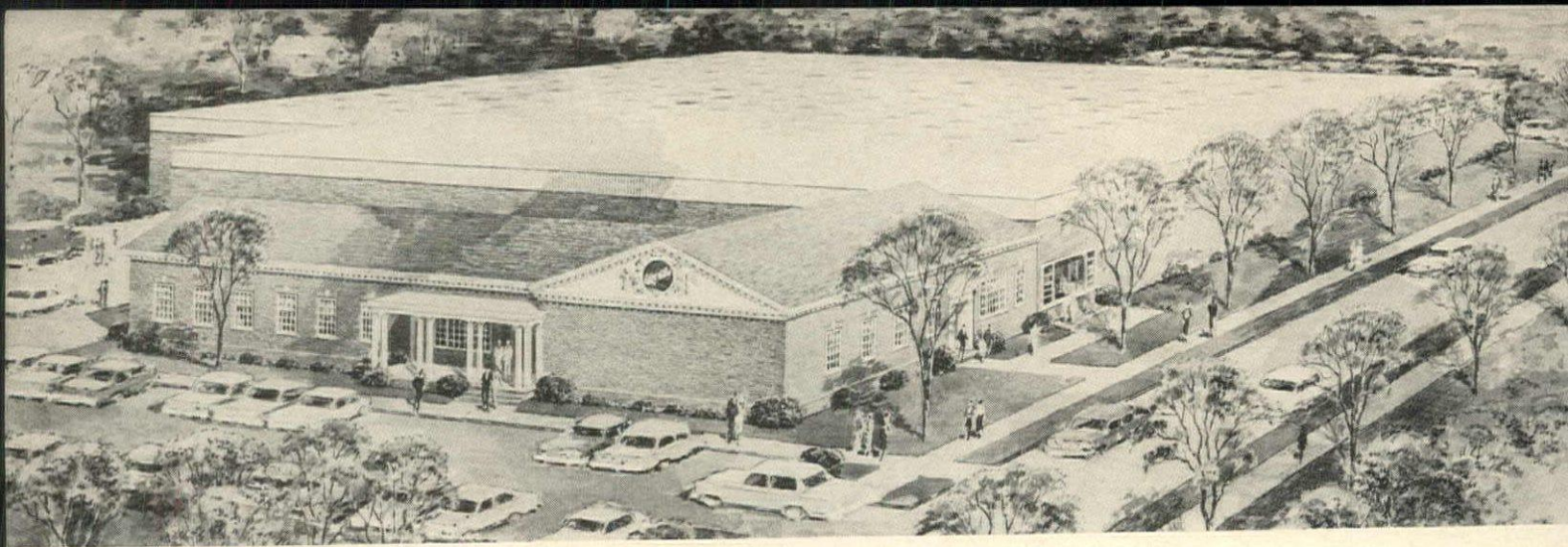
HENRY W. ROBERTS  
Structural Consultant

WILLIAM A. BROWN  
Mechanical & Electrical Consultant

R. L. BULIFANT & CO., INC.  
General Contractor







# Washington Coca-Cola Bottling Co., Inc. ALEXANDRIA VIRGINIA

**BUDINA & FREEMAN**  
Architects

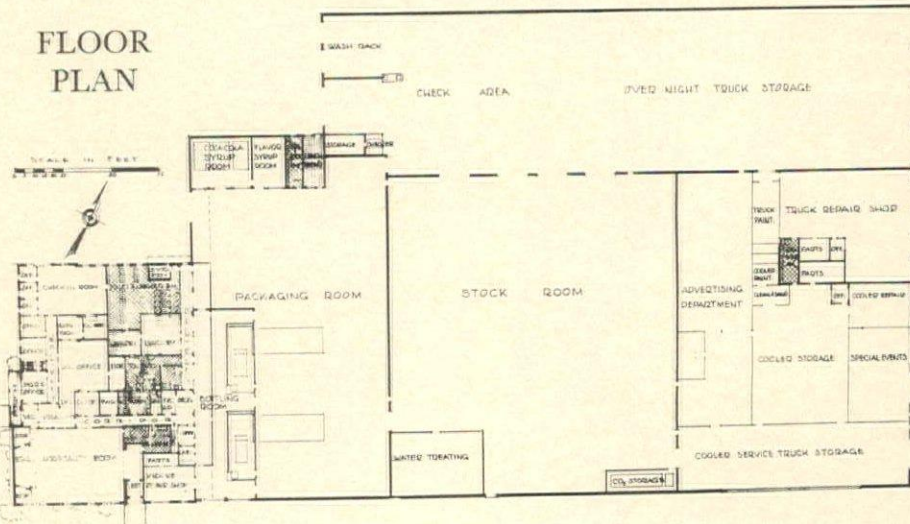
Interior Layout by  
**STANDARDIZATION COMMITTEE OF  
THE COCA-COLA BOTTLERS,**  
Atlanta, Georgia

**KENDRICK & REDINGER**  
Mechanical Consultants

**HENRY W. ROBERTS**  
Structural Consultants

**J. KENNON PERRIN CO.**  
General Contractors

## FLOOR PLAN



• The office and bottling plant for the Washington Coca-Cola Bottling Company, Inc. is located in the 5400 block of Seminary Road in Alexandria, Virginia. Designed by Budina and Freeman, Architects of Richmond, the building contains approximately 110,000 square feet of floor area and costs \$10.00 per square foot. The building is separated into the following areas by fire walls: the Office and Bottling area, Stock Room, Advertising and Cooler area, and Garage area.

There is a Hospitality Room of about 2800 square feet including a stage, foyer and rest room. This room is for the use of neighborhood and civic organizations, teenage parties, etc. The Hospitality Room is so situated as to allow for complete separation from the rest of the building, giving maximum privacy to the user and also making possible the use of this room when the rest of the building is not open.

There is an observation area for visitors to watch the bottling process. There is also a view window on Dawes Avenue side which permits spectators

to see the operation from the outside.

Aside from the usual office space there are employees' lunch rooms, shower and locker rooms, and laundry area. The garage has space for 75 route trucks. There is a truck repair shop which can service four vehicles at one time. There is a paint spray booth for trucks and one for bottle coolers.

The exterior of the building is designed in Colonial style in keeping with the adjoining residential neighborhood. There are parking areas in the front and rear of the building. The front yard will be landscaped with trees, shrubs and flower beds.

When this plant is completed, it will be equipped with the most modern and up-to-date bottling machinery to implement the streamlined layout and bottling technique. From a check-in point in the garage the trucks will unload cases of empty bottles onto a conveyor which will carry them through the bottler washer and sterilizer on through the filler unit and into the packer and back to the check-in point

ready to be loaded onto trucks for route delivery. The entire process will be completely automatic, thus increasing the productivity and ease of handling of the product.

The architects worked closely with the Standardization Committee of Coca-Cola Bottlers in Atlanta, Georgia in adapting the building to the operational layout.

J. Kennon Perrin Co., Richmond, who was general contractor, is doing the work on excavating, foundations, concrete, carpentry and wood flooring. Principal subcontractors include the following:

N. Litterio & Co., Inc., Alexandria, structural tile, masonry; Southern Iron Works, Springfield, steel, handrails, steel grating; Inland Steel Products Co., Richmond, steel roof deck; Perrin & Martin, Inc., Arlington, roofing, insulation, plumbing, heating, air conditioning and ventilating.

Others are Virginia Steel Co., Inc., Richmond, windows; Virginia Plate Glass Co., Alexandria, glazing; Frick, Vass & Street, Inc., Richmond, painting; Miller Mfg. Co., Inc., Richmond, millwork, paneling; A. W. Lee, Inc., Alexandria, acoustical.

Also, Dodd Brothers, Inc., Alexandria, plaster; General Tile & Marble Co., Inc., Richmond, ceramic tile; Printz Floor Co., Inc., Alexandria, resilient tile; J. S. Archer Co., Richmond, steel doors and bucks; Becker Electric, Alexandria, lighting fixtures, electrical work; Standard Sanitary, Silver Spring, Md., plumbing fixtures, and Virginia Sprinkler Co., Richmond.



# A.C.E.I.

WASHINGTON, D. C.



## ASSOCIATION FOR CHILDHOOD EDUCATION INTERNATIONAL

GEORGE CAMPBELL  
Mechanical Consultant

VOSBECK-WARD & ASSOC.: Architects  
FORTUNE ENGINEERING ASSOC.  
Structural Consultant

RUSSELL T. WOODFIELD  
General Contractor

• The Association for Childhood Education International proposed new headquarters building was designed in order to make all required facilities completely self-contained under one roof. When completed it not only will be able to provide better services for its membership through better working medium, but it will also be able to better serve the public. Servicing of the membership was planned for a growth increase which was projected ten years.

Although this structure was designed to give ACEI individual character in its new home, the working spaces are utilitarian but not to the extent of being antiseptic. Warmth through use of basic materials was introduced to further express the function of service to children.

The building is completely fire-proofed meeting all code requirements set forth by the District of Columbia. The structural frame is of reinforced concrete. All materials and finishes were considered on the basis of future maintenance requirements. Materials selected, therefore, were those which require a minimum of care and maintenance. The three stories of this building are completely air-conditioned by a system which provides individual control, thus being able to satisfy temperature requirements of most all occupants. Further outline of materials, finishes, mechanical facilities may be found in the Outline Specifications, or if more detail is desired in the final working drawings and construction specifications.

The exterior consists of stone columns with four inch lightweight concrete panelwalls faced with Italian mosaic tile. This building was designed to have an individual character necessary to present the ideals of the Association since it not only houses the National Headquarters office but also is a research center consisting of meeting and conference room, library, display area. The framing system is of reinforced concrete and is basically a three story structure consisting of 15,000 square feet and was completed for a cost of approximately \$350,000.00.

The interior working function was worked out from a preliminary building program report which was made prior to the submission of any preliminary plans. This was sub-divided into three basic work areas which were further broken down as follows:

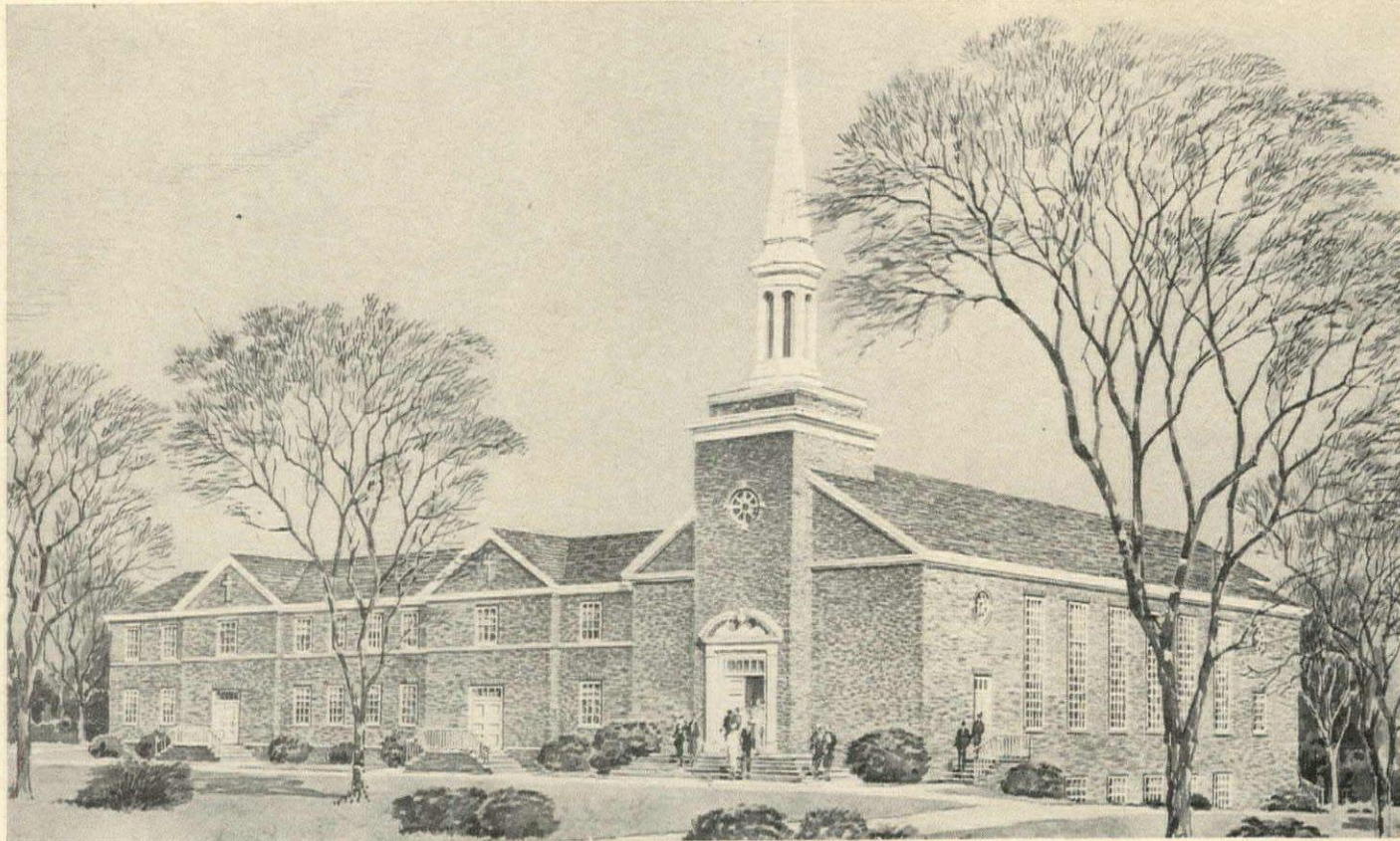
*Administrative Areas*—Executive Secretary, Information Services, Branches Division, Editorial Division, Research and Development Division, Publication Sales Division, Accounting and Subscription Division.

(Continued on page 42)

PAGE NINETEEN







## Stratford Hills Methodist Church, Richmond

ROBERT J. LEARY, AIA, and JOSEPH V. CIUCCI, JR., AIA  
Associated Architects

EMMETT L. SIMMONS & ASSOC.  
Mechanical & Electrical Consultants

MACFARLANE & SADLER  
Structural Consultants

ANCHOR CONSTRUCTION CO., INC.  
General Contractors

● The congregation of the Stratford Hills Methodist Church proudly dedicated their new air conditioned Sanctuary addition on January 29. Of colonial architecture, the new addition which was designed by Robert J. Leary, AIA, and Joseph V. Ciucci, Jr., AIA, Associated Architects, features an 80 foot lead coated copper steeple above the entrance, and a nave with balcony which combine to allow a seating capacity for 450. The connecting wing

contains two new classrooms, and the basement below the Sanctuary provides a spacious social hall, with space allotted for a fully equipped kitchen in the near future. Cost of the completed project was \$120,000.00.

Subcontractors and suppliers, all of Richmond, were Southern Brick Contractors, Inc., masonry; Montague-Betts Co., Inc., steel; N. W. Martin & Bros., Inc., waterproofing, roofing; R. E. Richardson & Sons, Inc., windows,

millwork; Glidewell Brothers, painting; Manson & Utley, Inc., insulation, resilient tile, weatherstripping; C. H. Magruder, plaster.

Others were J. S. Archer Co., steel doors and bucks; Ben Collier, electrical work; Harris Heating & Plumbing Co., Inc., plumbing, air conditioning, heating and ventilating; Virginia Steel Co., Inc., steel joist, metal lath, wire mesh; Flowers Equipment Co., Inc., pews.

## Hale Electric Company, Inc. Electrical Contractors



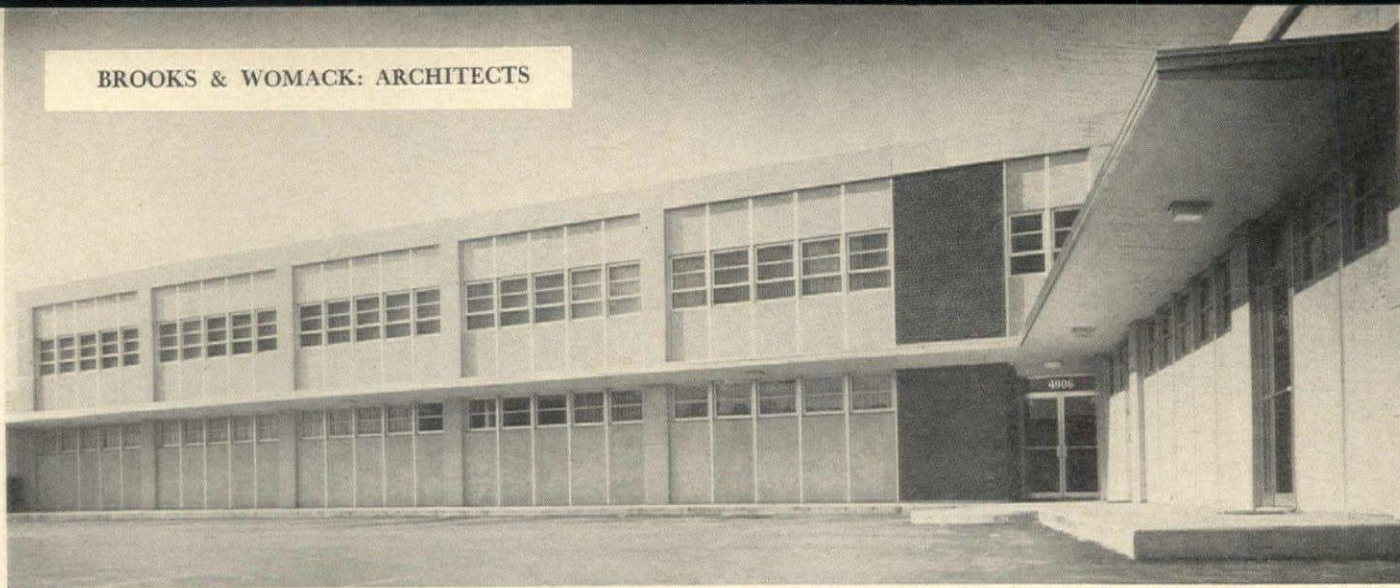
INDUSTRIAL AND COMMERCIAL

Phone Staunton, TUxedo 6-0236

VERONA, VA.

P. O. Box 78





# Cox Professional Building, Richmond

ROBERT S. SPRATLEY  
Mechanical Consultant

GEORGE BURRUSS  
Electrical Consultant

**T**HE COX PROFESSIONAL BUILDING on Forest Hill Avenue in Richmond was designed by Brooks and Womack, Architects, and completed in March of 1961. A two-story office building with a one-story extension, the first floor of the building is designed chiefly for doctors' offices. The second floor of the building, which now houses the accounting offices for the Regional Credit office for J. C. Penney Co., can be converted to additional professional office space. Another one-story wing contains a drugstore.

Each of ten suites for doctors was designed to the individual requirements of the occupant. The basic construction of the building will permit flexibility in rearranging the partitions and facilities to accommodate other tenants. The first floor construction has a crawl space below for the ease of any future remodeling. The second floor construction consists of a six-inch light weight concrete slab with a two-inch topping which will make rearrangement of utilities on that floor practical. In the event

that the second floor, which is now a large open space to accommodate the accounting offices, should be remodeled into individual doctors' suites, toilets and lavatories can be located within a 15 foot radius of the center columns.

The wall construction of the first floor is panelized and these panels can be removed in the event that a commercial use of this space is planned. Within the panel walls, the windows are arranged in four foot modules with wide mullions so that partitions can be installed at any spacing that is a multiple of four feet.

The heating and air conditioning is also designed in multiple zones so that each office has individual control of these services and they can be rearranged to fit different floor plans. Mechanical equipment consists basically of a hot water boiler and two chillers of 30 tons each in the basement with multiple air handling units on each floor zone.

The unusual wall panels consist of four inch concrete panels having one

inch plastic foam insulation in the middle, forming a sandwich panel. The interior surfaces of the panels are troweled smooth. The drugstore portion of the building, which is now one-story, is designed for the future addition of a second floor.

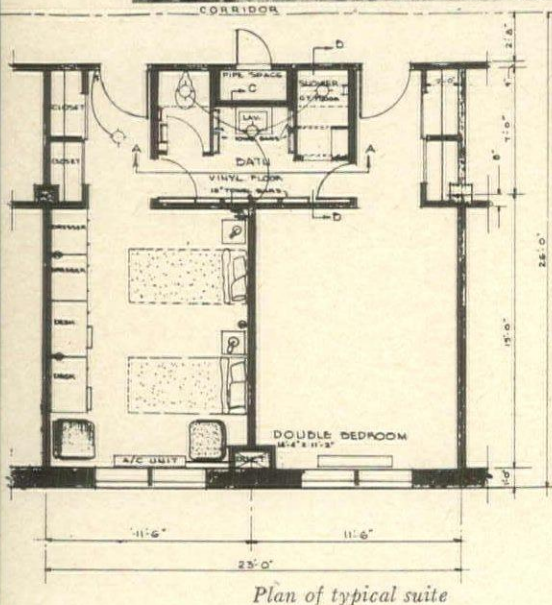
A Muzak system throughout the building serves each doctor's suite and the drug store. There are parking spaces for 90 cars on the property.

Consulting engineers for the project include Robert S. Spratley, mechanical, and George Burruss, electrical. The owner was his own general contractor and had as principal subcontractors and material suppliers: Powell Elevator Service, pneumatic elevator; Cottrell Electronics Corp., Musak installation; Concrete Structures, Inc., drug store roof; Economy Cast Stone Co., panel wall system with aluminum windows erected by John K. Messersmith Co.; Catlett-Johnson Corp. supplied the 60-ton air conditioning and heating system for the main building, Phillips Refrigeration Co. supplied the 15 ton system and heating for the drug store.



Left: open second floor space; right: typical doctor's suite showing wall panels





Also, General Tile & Marble Co., Inc., ceramic tile; John H. Hampshire, Inc., resilient tile; Ruffin & Payne, Inc., millwork; Roanoke Engineering Sales Co., metal doors and frames; Union Electric Co., Inc., electrical work; Harris Heating & Plumbing Co., Inc., plumbing, air conditioning, heating and ventilating; Virginia Elevator Co., Inc., dumbwaiter.

MAY 1961



## SANCTUARY ADDITION TO CORINTH METHODIST CHURCH, SANDSTON

● Corinth Methodist Church is located at Williamsburg Road and Kemper Court, Sandston, and was designed by Samuel Mayo, AIA, Architect, of Richmond.

The exterior design of the building is simple modern using brick walls with cast stone trim. There is a tower on the Williamsburg Road side which has a glass block cross which is lighted at night and is visible for several blocks.

The Church has a main entrance on Kemper Court and another entrance from Williamsburg Road. The Church is connected to the existing Sunday School Building with an enclosed corridor.

The Sanctuary has comfortable seating for 300, and the Ladies' Parlor,

which is separated from the Sanctuary by natural finish wood folding doors, can seat an additional 100 people.

The Church has a Pastor's Study, two choir rooms and two offices.

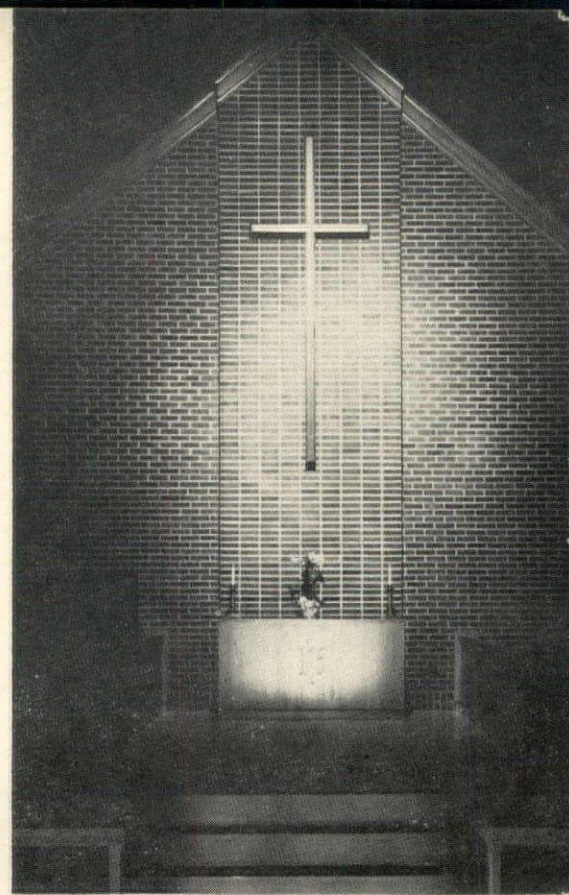
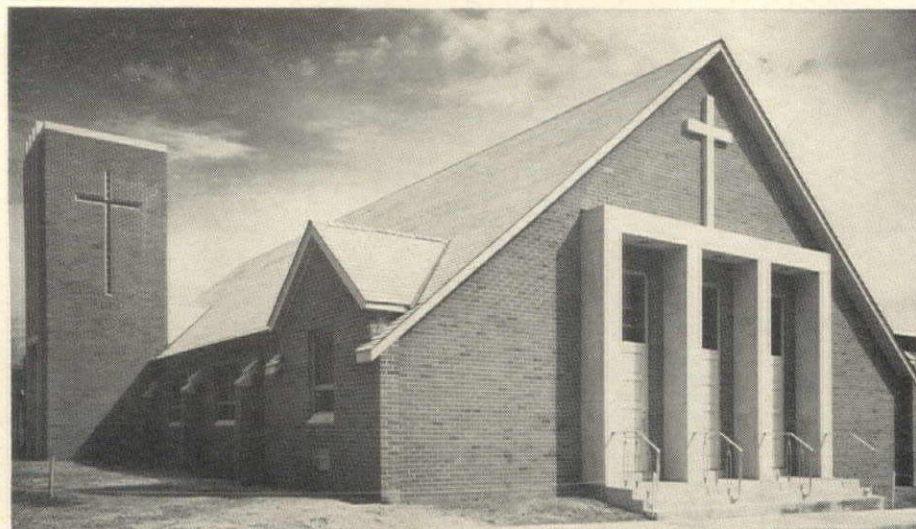
The Sanctuary and Chancel are finished with red tapestry brick walls, natural finish wood trusses and ceiling, and vinyl asbestos floors. The Ladies' Parlor is finished with painted Solite block walls, acoustical ceiling and vinyl asbestos tile floors.

The entire building is air conditioned.

The building was constructed by Jas. Fox & Sons, Inc., of Richmond, at a contract cost of \$91,917.00.

The general contractor also did the

*(Continued on page 44)*



ALTAR DETAIL

SAMUEL N. MAYO, AIA  
Architect

WILLIAM G. BRANDT, JR.  
Electrical Consultant

JAS. FOX & SONS, INC.  
General Contractor

Photography by  
JIM McELROY  
Photography Unlimited, Inc.

CHANCEL AREA





# INTERNATIONAL WOOD DECKING CONFERENCE



A DEDICATED group of consultants traveled this year from all parts of the United States and as far away as Mexico City to the vast wilderness of the Kootenays in British Columbia to attend an International Wood Decking Conference, the initial meeting and seminar of its kind.

For some time a great need has been felt by both architects and structural engineers to meet with their suppliers in order to discuss technical data, and to coordinate the information and scientific "know-how" which control quality and architectural specification from the felled tree to the finished product.

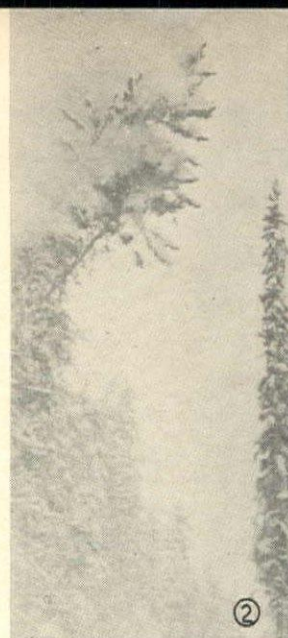
Sponsored jointly by wood decking specialist, Dana McBarron, Rogue River, Oregon, and Kootenay Forest Products, Ltd., Nelson, B.C., outstanding architects and engineers combined their talents with the decking production staff to present seminars, motion pictures, mill and logging tours. Thus the 30 Dana-Deck engineering consultants assembled received a first hand and complete story of wood engineering and production, stressing in particular their specialized field of heavy wood decking.

Vern Vance, president of Kootenay Forests, Ltd. opened the first day of the two-week conference by outlining various phases of the training, to include on-the-spot study and analysis of each step from production to application.

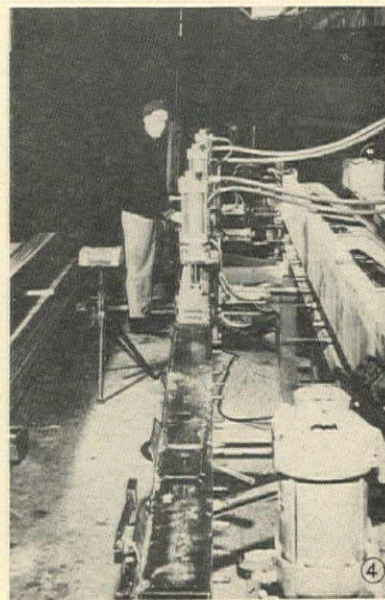
Lectures, films and slides were then introduced, with open discussion following, where each engineer could present the problems pertinent to his region.

Mr. Vance's company is subsidiary of Eddy Match Ltd., of Canada, which in turn is controlled by British Match Ltd., one of the financial giants of the world.

His mill exemplifies the long range outlook of Dana McBarron, who foresees the "second coming of wood:" the coming of precisely engineered structural products capable of competing with any material or product used in building construction.



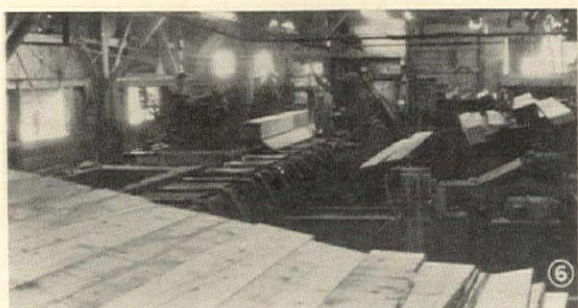
- 1) Felled timber hitting snow
- 2) Timber being felled
- 3) Dana-Deck seminar on new product development
- 4) Dana-Deck drilling and end matching machine
- 5) Left to right, back row: Charles Woodworth, Engineer; Frank Var-seveld, Engineer; Vern Vance, KFP President; John Conner, Knoxville. Left to right, front row: Warren Kelley, Boston; C. E. Seterstrom, Minneapolis; Bob Laidlaw, Simcoe, Ontario; Bob Wheaton, Griffin, Ga.; Douglas Uelmen, Fond du Lac, Wis.
- 6) Inside KFP mill
- 7) Engineering seminar session
- 8) KFP — Conference Headquarters, Nelson, B. C.
- 9) Winter landing, heelboom loader, cat skidding logs
- 10) Floridian Carroll Root, trying snowshoes







• from  
felled tree  
to  
finished product



Field trips took participants to the site of each production phase. They studied a typical winter logging operation near Lardo, B.C., where they followed the felling, bucking and skidding of virgin logs, watched these loaded on the logging trucks and then boomed in Kootenay Lake whence they were towed by tug boats to the sawmill. Then each phase in the manufacture of the finished deck, panelling and timbers was observed.

Upon their return to headquarters at Nelson, the men began their intensive training in the basic production methods. Each trip into the mills was preceded by lectures covering five species of wood sawn. Between periods in the sawmills, dry kilns, planing mills and other interesting operations, engineering seminars were conducted under the direction of Dana McBarron.

All facets of wood engineering were covered by Frank Varseveld, KFP research engineer; Lowell Brimley, Dana-Deck engineer; Charles Woodworth, engineer and vice-president of Timber Laminators, Inc.; C. W. Knoll, architectural engineer, St. Louis, Mo.; and other experts of the specialized fields involved. All sections of the U.S. and Canada were represented with Latin America's contribution being Ing. Federico Martinez de Hoyos, engineer from Mexico City.

Others attending included: Ray E. Wallace, Nelson, B. C.; John W. Bishop, architect, Louisville, Ky.; Wm. Weidemeyer, engineer, Trenton, N. J.; Dan J. Steer, Sun-Deck Lumber Ltd., Vancouver, B.C.; T. H. Black, Memphis, Tenn.; W. P. Kelley, Boston, Mass.; Harry Fitzgibbons, Winnipeg, Manitoba; R. M. Wheaton, Griffin, Ga.; S. E. Ford, Chicago, Ill.; D. B. Andrews, Denver, Colo.; B. J. Jorgenson, Sioux Falls, S. D.; Bob Laidlaw, Simcoe, Ontario; R. S. Morgan, Birmingham, Ala.; Carroll Root, Bradenton, Fla.; A. L. Douglas, Kansas City, Mo.; Larry Boyd, Lufkin, Texas; Robert Asthalter, Ridgewood, N. J.; D. J. Uelmen, Fond du Lac, Wis.; M. B. Wright, Oklahoma City, Okla.; Max Rodgers, Houston, Tex.; J. W. Conner, Jr., Knoxville, Tenn., and C. E. Seterstrom, Minneapolis, Minn.

Purposes were 1) To coordinate the architects' design from the growing tree itself through all the manufacturing phases;

2) To insure quality control of the inherent beauty, strength and free-spanning properties of roof decking long desired by the building profession, and

3) To gather new technical data for use in their capacity as consultants and better equip themselves to be of service to the architect, engineer and contractor.





## NEW ROANOKE OFFICE FOR INVESTMENT FIRM

E. TUCKER CARLTON, AIA: Architect

WILLIAM T. ST. CLAIR  
Structural Consultant

HANKINS AND ANDERSON  
Mechanical & Electrical Consultants

DAYS CONSTRUCTION CO.  
General Contractor

**T**HE HEART OF downtown Roanoke is the site of the new Office Building for Mortgage Investment Corporation, Virginia's largest mortgage banking company. Mortgage Investment, whose home office is in Richmond, is constructing the new office building at the corner of First Street and Franklin Road to house the offices of its Roanoke Branch and to provide a new home for the local firm of Woods, Rogers, Muse and Walker, Attorneys-at-Law, who will occupy the entire second floor. The building is being built on the site of the old Waynick Automobile Agency. The 50-year old former building was dismantled last summer. The new building and site are expected to total \$450,000. Construction is to be completed in September.

The new building, designed by E. Tucker Carlton, Architect of Richmond, is being built by Days Construction Company of Salem. The new building is two stories high, with a full basement which provides a parking garage for the tenants' cars. Each floor has 7,000 square feet of floor space and

is served by passenger elevator, connecting each floor with the garage level below. The base of the building is constructed of dark blue-green Granux stone. The main facades consist of an aluminum window wall with alternating heavy and thin mullion pattern and light green porcelain panels. Fixed window sash, having solar-treated thermopane glass, are being used to reduce heat loss and to help reduce the outside traffic noise. The building is to have summer-winter air conditioning with individual temperature control in each office or each work area. A special foundation design was necessary because of poor soil bearing. Special 42" and 48" diameter solid concrete piers were placed down to bearing rock 20 feet below grade. The building was then constructed over a network of concrete grade beams which spanned the numerous piers below. The street level of the main facade was set back from the property line to create a spacious walk along a somewhat narrow street. The additional walk width will tend to lessen congestion at the entrances to the building. The entrances

are protected from above by the cantilevered second floor, which is wrapped in a surround of white marble trim. Lifetime flexibility was considered in designing the building, and each floor is being installed with a complete network of underfloor ducts for electrical, telephone and inter-communication equipment. All mechanical equipment has been located in a penthouse on the roof to conserve the valuable basement parking area. The downtown site was selected by the owners because they believe its construction will further help solidify Roanoke's downtown area.

Days Construction Co. is also doing work on the excavating, foundations, concrete, masonry and carpentry. Foundation piers are by Hart & McCowan, Charlotte, N.C., Other subcontractors include:

Structural Steel; Co., Inc., Roanoke, steel; Inland Steel Products Co., steel roof deck and floor deck; I. N. McNeil Roofing & Sheet Metal Works, Roanoke, roofing; Economy Cast Stone Co., Pittsburgh, Penna., windows and window walls; Pittsburgh Plate Glass Co., Roanoke, glazing; Dean Painting Co., Inc., Roanoke, painting.

Also, W. Morton Northen & Co. Inc., Richmond, acoustical and resilient tile; Hampshire Corp., Roanoke, plaster; Webb Brothers Interior Tile Co., Roanoke, ceramic tile; South Roanoke Lumber Co., Roanoke, millwork; Roanoke Engineering Sales Co., Roanoke, steel doors and bucks; Jefferson Electric Co., Inc., Roanoke, electrical work; Progressive Products, Corp., Roanoke, plumbing, air conditioning, heating and ventilating.

Elevator was by Salem Elevator Co.

## CORSON & GRUMAN COMPANY

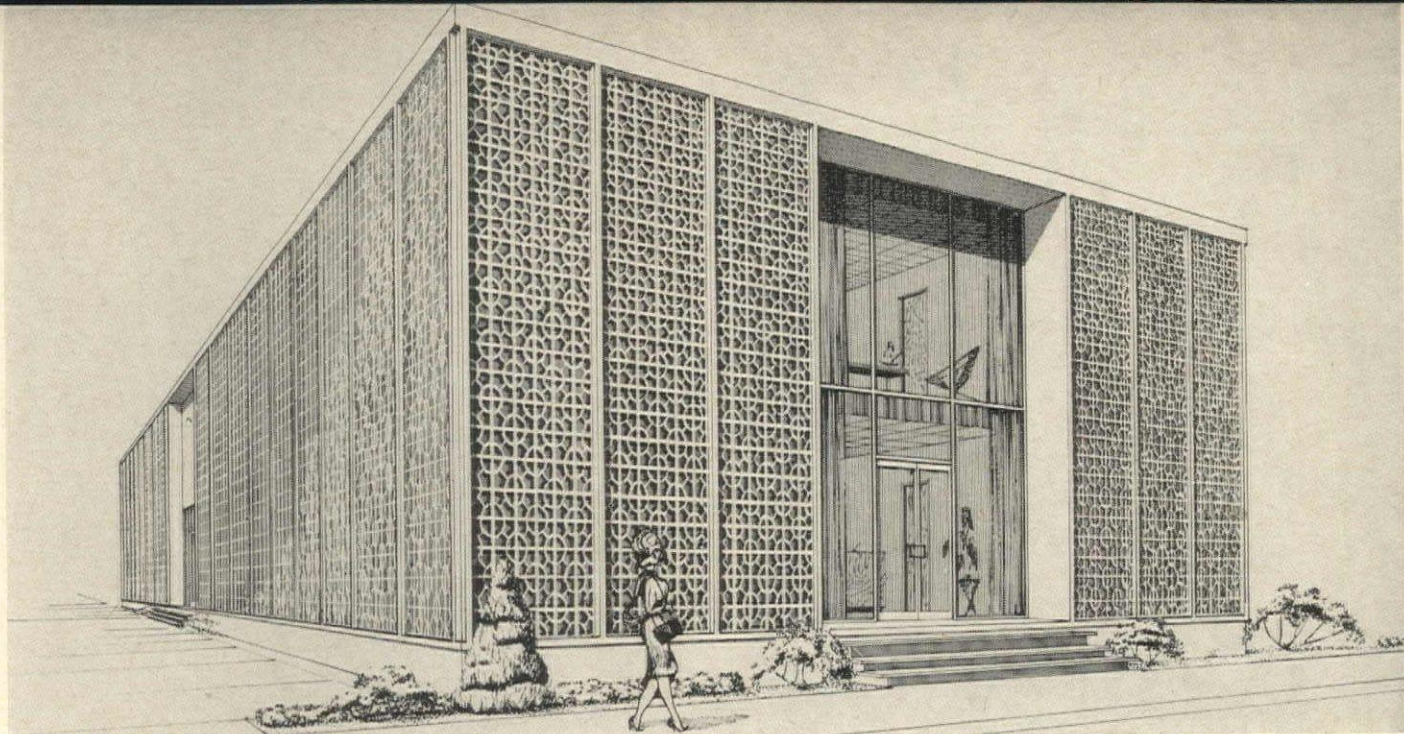
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## MUTUAL INSURERS OFFICE BUILDING

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Structural Consultants

DAVID WARREN HARDWICKE, AIA, Architect  
EMMETT L. SIMMONS & ASSOC.  
Mechanical Consultants

KAYHOE CONSTRUCTION CORP.  
General Contractor

**S**IMPLE ELEGANCE best describes this three story, 18,720 square foot, office building for Mutual Insurers, Inc. The building is located at 515 W. Grace Street in Richmond, just east of Belvidere Street, in the downtown area.

Designed by David Warren Hardwicke, AIA, functional beauty surrounds the building by the use of beige terra-cotta solar screen units. The units are modulated with slender columns of white pre-cast concrete which rise unsupported for 22 feet and brace the solar screen units against severe wind pressure. The fascia and sill members, which completely enclose the solar screen units are also of pre-cast white concrete. The masonry solar screen shields the building from the direct rays of the sun and greatly reduces the air conditioning load.

Both the main entrance on Grace Street and the side entrance from the 44-car parking area are aluminum frames with gray solar glass. At the main entrance the glass is continuous for two stories in height. Entrance landings and step treads are Buckingham slate.

The rear wall of the front lobby is veneered with glass mosaic tile which extends to the second floor ceiling as a backdrop for the decorative open stair.

Structural steel framing and joists are used in conjunction with exterior masonry bearing walls as the basic structural system. Office flooring is vinyl asbestos tile, walls are plastered and ceilings are two by four foot acoustical tile.

Mutual Insurers, Inc., Standard Insurance Adjustment Corp., Petroleum Jobbers Association and Bastian Brothers will occupy the first floor. Utica Mutual Insurance Co. has leased the second floor. The lower, or street floor, has not as yet been leased.

The general contractor was Kayhoe Construction Corp., while principal subcontractors and material suppliers were as follows:

P. E. Eubank & Co., excavating, concrete; Young & Parrish, masonry; Houck & Greene, steel; J. B. Eurrell Co., steel roof deck; Concrete Structures, Inc., pre-cast concrete; R. P. Whitley Roofing Co., waterproofing, roofing; Sash, Door & Glass Corp., steel doors and bucks, glazing; Perry D. Mowbray, painting.

Also, Manson & Utley, Inc., acoustical; Joseph F. Prezioso, plaster; Richmond Tile & Mosaic Co., ceramic tile; H. Beckstoffer's Sons, millwork; Union Electric Co., Inc., electrical work; Gregory & Graham, Inc., plumbing, air conditioning, heating, ventilating; Gayle S. Mann, Jr. & Co., Spracrete.

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Excavating and concrete work on office building  
of Mutual Insurers, Inc., featured above.



# EPIPHANY EVANGELICAL LUTHERAN CHURCH

**T**HE EPIPHANY EVANGELICAL LUTHERAN CHURCH, designed by Ballou and Justice, Architects & Engineers is located at the west termination of Monument Avenue in Richmond.

At the beginning of the planning stage, the firm of Ballou and Justice worked closely with the Department of Church Architecture, United Lutheran Church in America, which is a central Bureau providing counsel and guidance for Lutheran Churches. Epiphany Evangelical Lutheran Church is a mission church. The Architects developed an Ultimate Building Plot Plan Study, which is a requirement of the Department of Church Architecture. Considering the needs of the congregation, the Trustees of Epiphany Evangelical Lutheran Church decided to build the immediate unit with provisions for expansion and additional units in the future, thus assuring the congregation that when finally complete in the coming years, their church facilities will be fully correlated and functional, as well as aesthetically coordinated. An existing large residence on the property which had been used for Church and Sunday School was renovated by the congregation and will serve for Sunday School quarters until the ultimate facilities have been completed, at which time it will be demolished to provide additional parking.

The exterior of the Church features an interesting usage of projected brick.

Facing the entrance at a distance of 75 feet rises a laminated wood Campanile, set in a concrete foundation with a brick planter at the base. Electronic chimes will be contained in a grilled wooden chime box in this 64 foot Campanile. A portion of a covered walkway has been built, starting at the entrance of the church and when the church facility has been completed in its entirety, this walkway will extend the full distance to the Campanile.

One enters a vestibule from the covered passage and then proceeds into the Narthex. The Narthex is separate and yet a part of the Nave, since it is screened by vertical wooden louvers approximately eight feet high.

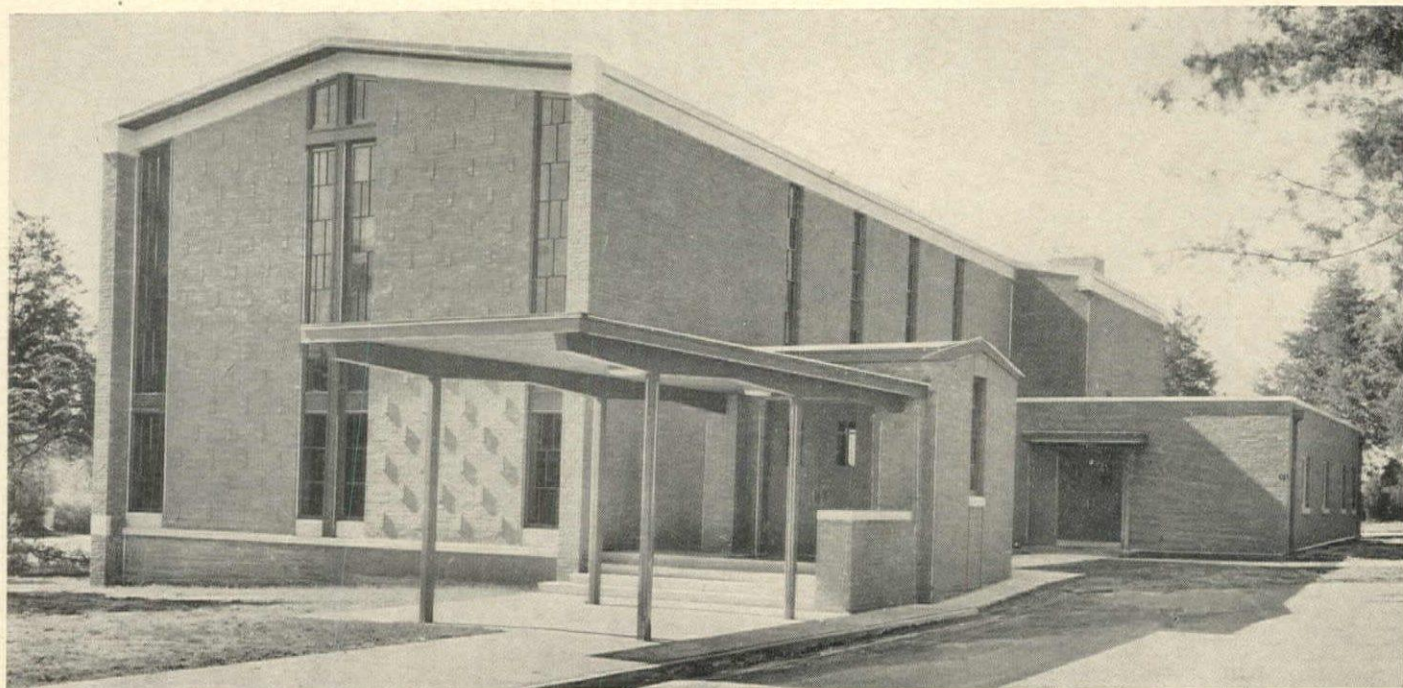
The Nave and Chancel seats approximately 250 and the Chancel is divided into two areas by means of floor levels. The lower level nearest the Nave has a pulpit, lectern, organ console, and pews for over 20 choir members. Separated from the Chancel by a low communion rail is the higher level featured by a veined marble altar, above which hangs a large wooden cross having a deep red dorsal curtain as a background. One side of the altar area has a wide cathedral glass window running from floor to ceiling and by means of large wooden mullions, the effect from the morning sun disperses multicolored hues into the Chancel Area.

Between the Chancel and the first row of pews is a Baptistry, octagonal in

BALLOU & JUSTICE  
Architects & Engineers

TORRENCE, DREELIN & ASSOC.  
Structural Consultant

CONQUEST, MONCURE & DUNN, INC.  
General Contractor







shape, which projects partially into the Nave and provides an interesting break to the exterior long facade paralleling Horsepen Road.

A one story wing immediately to the right of the Chancel houses two choir rooms which may be joined. The Pastor's Office and a Working Sacristy complete the Wing.

A Boiler Room housing all of the heating and cooling equipment completes the immediate unit.

The entire first unit is air conditioned and all provisions have been made for a larger pipe organ. In the meantime, the organ chamber contains the proper baffles and speakers for an excellent electronic organ.

The Pastor is Mr. Robert R. Sala and the Chairman of the Building Committee is Mr. Warren Smith; and the Chairman of the Decorating Committee is Mrs. W. F. Nunnenkamp. The building was started in February

1960 and dedicated on January 8, 1961. Completed at a cost of approximately \$142,000.00, the building construction was done by Conquest, Moncure & Dunn, Inc. of Richmond.

Principal subcontractors and suppliers, all of Richmond unless otherwise specified, were as follows:

E. G. Bowles, excavating; Kenneth L. Black, paving; Richmond Ready-Mix Corp., concrete; A. Lynn Thomas Co., Inc., masonry; Bowker & Roden, Inc., reinforcing steel; Houck & Greene—Div. of Tredegar Co., ornamental, miscellaneous and structural steel.

Also, J. B. Eurell Co., gypsum roof deck; James H. Carr, Inc., laminated roof deck, timber and structural wood sanctuary; N. W. Martin & Bros. Inc., roofing; Economy Cast Stone Co., stone work; Roanoke Engineering Sales Co., windows; Pittsburgh Plate Glass Co., glazing; L. K. Burton Co., painting; E. S. Chappell Co., Inc., weatherstripping.

Others were Virginia Steel Co., Inc., steel joists; C. H. Magruder, plaster; Martin Tile & Marble Co., Inc., ceramic tile; W. Morton Northern & Co., Inc., resilient tile; J. S. Archer Co., folding doors; Winebarger Corporation, Lynchburg, pews; Miller Mfg. Co., Inc., millwork.

Sash, Door & Glass Corp., steel doors and bucks; L. W. Roberts Co., lighting fixtures; W. L. Wachter, electrical work; J. W. Bastian Co., plumbing fixtures, plumbing, air conditioning, heating, ventilating; McGarvey Piano & Organ Co., Baldwin Electronic Organ; Oliva & Lazzuri, Inc., marble altar; Pleasants Hardware Co., finish hardware.

Carpentry was done by the general contractor.



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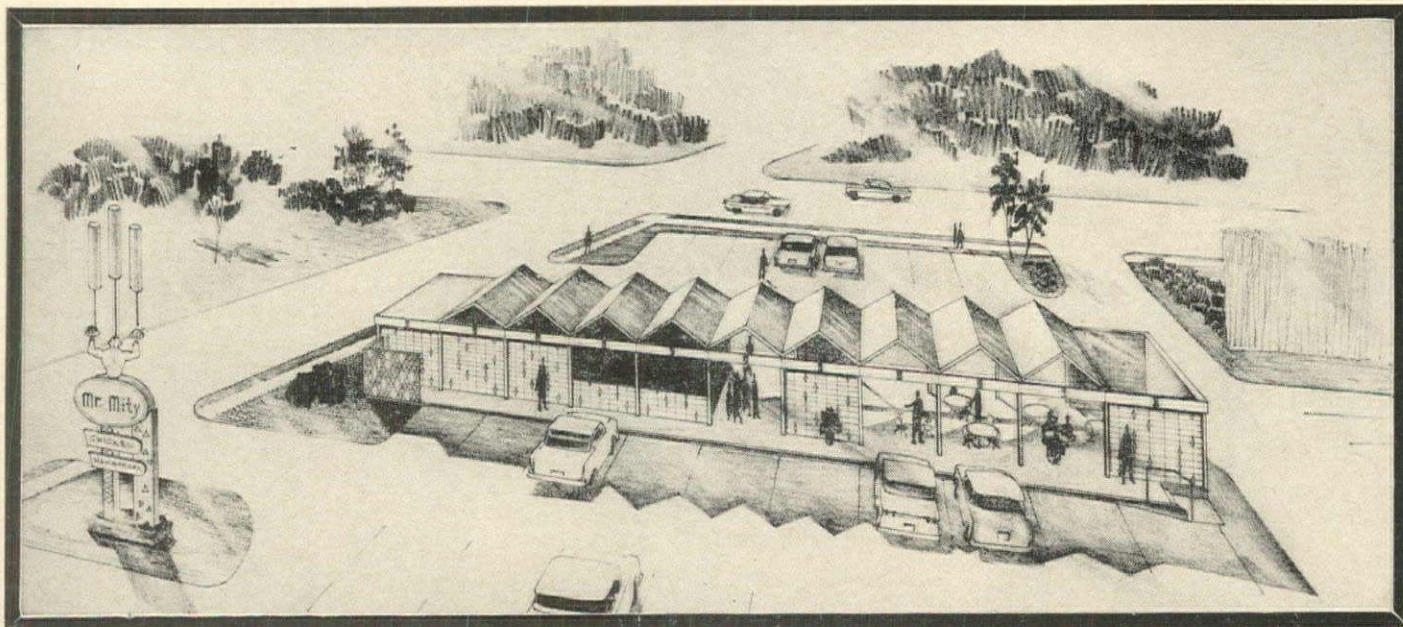
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RICHMOND 20, VIRGINIA

Lighting fixtures supplied for

1. Epiphany Evangelical Lutheran Church. See page 28.
2. Hanover Avenue Christian Church. See page 14.
3. Corinth Methodist Church. See page 23.





## Unusual New Roanoke Area Drive-In MR. MITY DRIVE-IN CAFETERIA

J. GARRY CLAY, AIA  
Architect

WATTS & BREAKELL, INC.  
General Contractors

A NEW CONCEPT of Drive-In dining made its debut in the Roanoke area in the middle of April. "Mr. Mity," owned by Farrow, Inc. of Roanoke, presents a unique new operation, both in design and in service. "Mr. Mity" is located off the highway to remove diners from the noise and distraction of heavy traffic. Patrons may eat in their cars, "take-out" orders, or eat in the large dining patio designed to encourage pleasant, leisurely dining and to create the illusion of garden eating. The dining patio is bounded at one end by an ornamental block screen to separate diners from the pick-up counter. At the opposite end is a flower and shrub garden arranged about a waterfall and pool. The pool is a "Wish-

ing Well," into which customers may toss change, which will be collected and donated to a Boys' Home.

Under a folded plate roof fabricated of Douglas Fir plywood, the concrete block building is made completely steam-cleanable by a Cement Enamel finish both inside and out, and ceramic tile floors.

The roof structural members were fabricated by the Anderson Lumber Company of Easton, Md. Each panel is insulated and the bottom skin finished to serve as ceiling. The entire 3800 sq. feet of roof was installed in six and one-half hours, with a complete section 30 feet long by 9'4" wide crane-lifted and placed down on steel columns. Roofing material consists of two

coats of Neophrene and two coats of Hypalan, making a total thickness of 24 dry mills. The Hypalan, by Armstrong Cork Co., is pale blue.

General contractor was Watts & Breakell, Inc., of Roanoke. Subcontractors included Valley Roofing Corp., roofing; J. W. Hundley Painting & Decorating, painting; Webb Bros. Interior Tile Co., ceramic tile; Clayton G. Tinnell, electrical work.

Plumbing, heating, air conditioning and ventilating was by Progressive Products Corp., and millwork by South Roanoke Lumber Co. All are Roanoke firms.

"Cement Enamel" wall finish was by Cement Enamel Co. of North Carolina, Greensboro.

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**T**HE VIRGINIA STATE CHAMBER OF COMMERCE has moved into its newly renovated headquarters in Richmond, Virginia. The building located at 611 East Franklin Street was originally built for the old Guaranty Trust Company and has in the interim been occupied by various other organizations.

The interior was completely demolished and redesigned by Richmond Architects, Marcellus Wright & Son. Consulting Engineers were Wiley & Wilson of Richmond and Lynchburg; general contractor was Russell B. Blank, of Richmond.

Across the front entry, a long walnut paneled planter directs the visitor to the reception area. The planter, topped by a glass enclosure also acts as an air lock.

Mounted above a row of continuous low seating along the side wall are especially designed frames containing photographs of landmarks familiar to most Virginians (and visitors alike).

The central accent, however, in the reception area is a walnut and Formica counter-cabinet containing the switch-board equipment and acting as an information center.

Hung above for direct illumination is a row of conical ceramic drop lights.

With the exception of the entry foyer of natural slate, the entire public area is carpeted.

All desks and other equipment are enclosed behind a low walnut rail capped in Formica.

The office partitions throughout the building extend to door height only, and consist of plastic panels framed in walnut.

Walnut and plaster screen walls or baffles, nine feet in height, are placed at various intervals either for privacy or to define certain particular areas with separate functions.

General illumination is accomplished by recessed spots placed in the existing ceiling at frequent intervals, the ceiling itself de-emphasized by being painted dark gray.

Transparent Saran draw drapes are used to allow as much natural light as possible to filter through.

At a later date, the State Chamber of Commerce hopes to replace the present heavy closed facade with an open and inviting entry more characteristic of the spirit of that organization.

The general contractor also did the concrete work, carpentry and structural wood. Other subcontractors and suppliers were Southern Brick Contractors, Inc., masonry; R. Willison Roofing Co., roofing; Stonnell-Satterwhite, Inc., stone work; Binswanger Glass Co., glazing; James A. Hill, painting; H. Beckstoffer's Sons, millwork, paneling; Richmond Primoid, Inc., waterproofing; McLain T. O'Ferrall & Co., acoustical; Joseph Prezioso, plaster; A. E. Allen, Inc., lighting fixtures; Morris Hunter, Inc., electrical work; Virginia Plumbing & Heating Corp., plumbing, air conditioning, heating and ventilating.

All are Richmond firms.

to tell the Virginia Story

## New State Chamber Offices

MARCELLUS WRIGHT & SON  
Architects

WILEY & WILSON  
Consulting Engineers

RUSSELL B. BLANK  
General Contractors

Photos: PHIL FLOURNOY



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Roofing contractor for the new Great Bridge  
Elementary School, featured on page 11.

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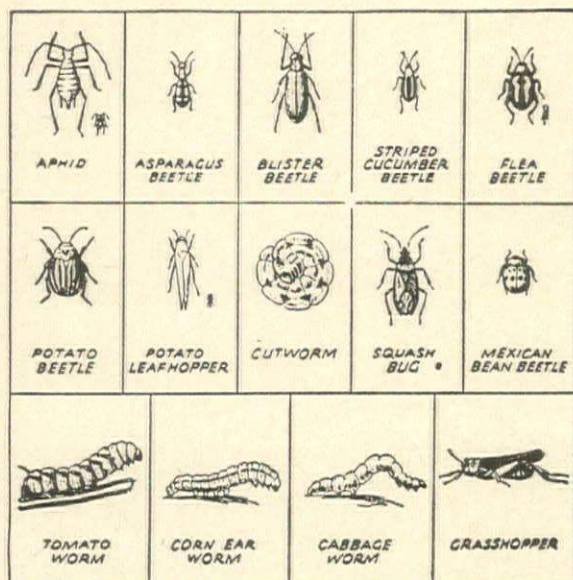
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ROANOKE, VIRGINIA

General Contractors for Mr. Mity Drive-In featured on page 30.



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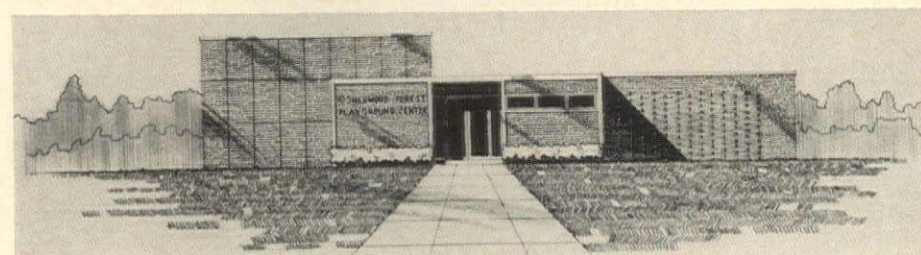
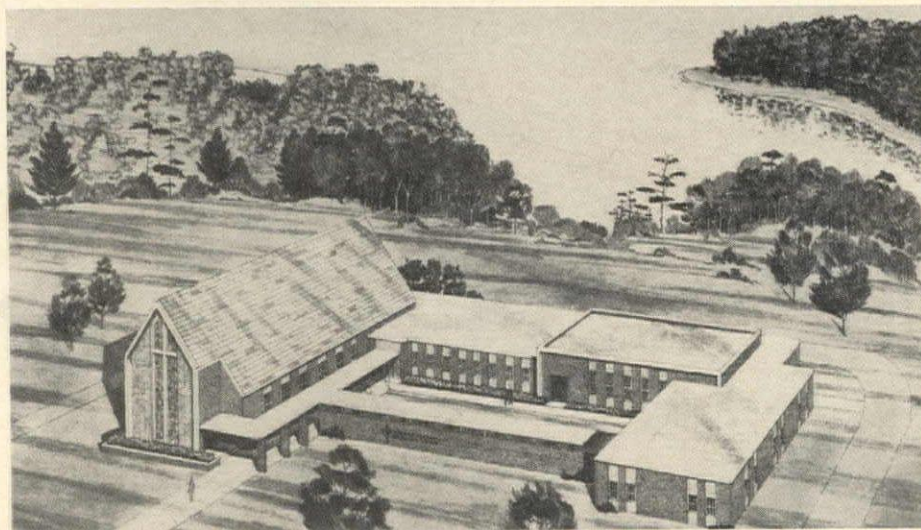
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AND LUMBER**





## Melvin M. Spence, AIA, and Associates

• Shown here are three new projects from the office of Melvin M. Spence, A.I.A. and Associates, architects of Norfolk.

At the top is the new office building for the firm, completed in September 1960 by Lafayette Builders. In addition to office space for the Spence architectural firm, the building contains eight offices, size 10 by 12 feet, for building material manufacturer's representatives. A secretary is shared by the group. Located at 4807 Colley Avenue, in Norfolk, the architectural office includes a reception room, conference room, three private offices and a drafting room.

F. Guy Wilson, Jr., and Charles A. Glasscock became associated with Spence in the architectural firm last September.

• The center photo shows a rendering for the Asbury Methodist Church to be

located on Great Neck Road in London Bridge. The minister is the Rev. Edward Taylor. The first unit of the church will consist of a social hall which will be used as the sanctuary, and seven classrooms. Construction on this project will begin in the fall.

• Bottom photo is a rendering of the Sherwood Forest Playground Center. To be built by the Barr Construction Company, these centers, costing approximately \$26,000, will be located on various school sites in Norfolk. A project of the City of Norfolk Recreation Bureau, they will be under the direction of trained supervisors and will be used for all forms of recreation and hobbies including ceramics, painting, dancing, etc.

Each unit consists of a social hall 40 by 24 feet, a ceramics room, toilets, storage room, office and covered terrace.

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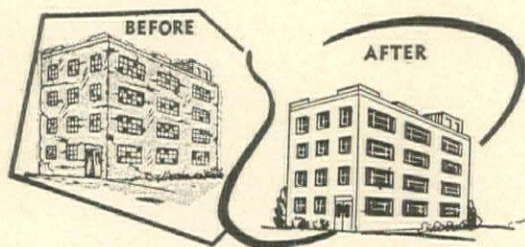
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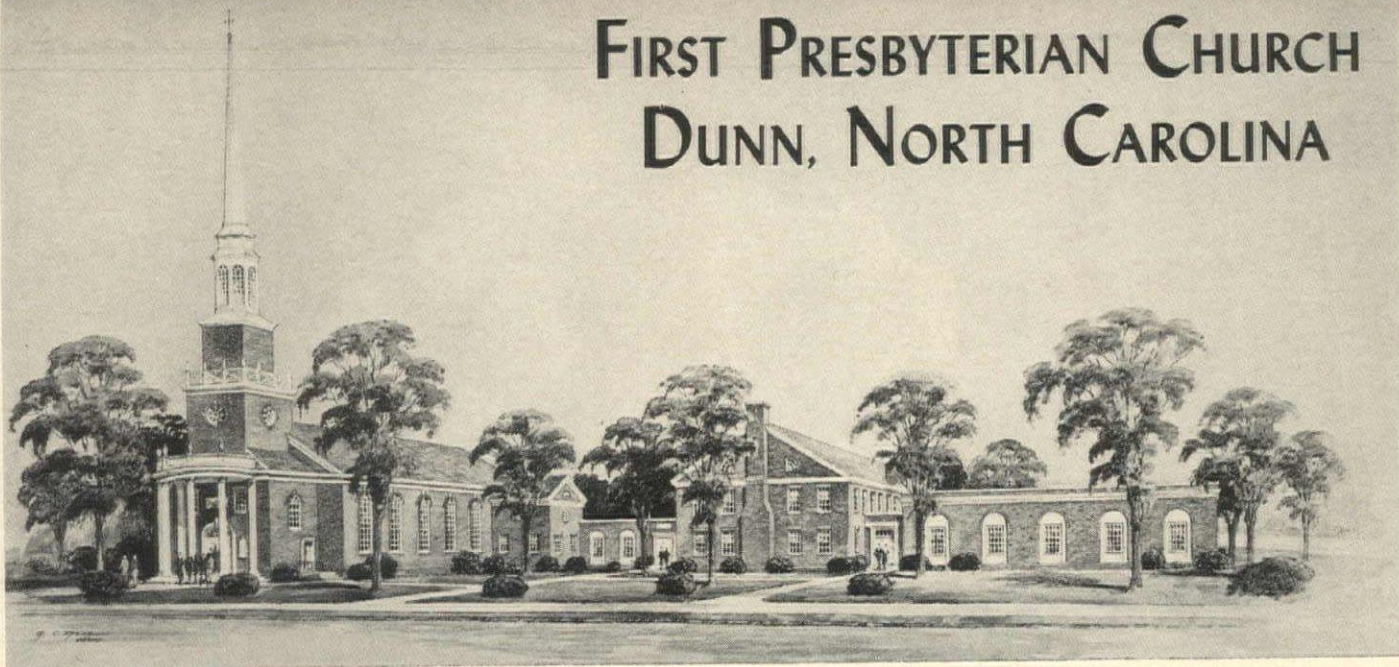
8012 Cameron Road

**RICHMOND, VIRGINIA**

- Office building, Mutual Insurers, Inc. Steel roof deck. See page 27.
- Epiphany Evangelical Lutheran Church. Gypsum roof deck. See page 28.
- Collegiate Schools. Roof deck. See page 10.
- Addition to Corinth Methodist Church. Roof deck. See page 23.



# FIRST PRESBYTERIAN CHURCH DUNN, NORTH CAROLINA



COURTENAY C. WELTON, AIA, Architect

PAUL H. BROWN & ASSOCIATES  
Mechanical & Electrical Consultants

DAVIDSON & JONES  
General Contractor

• The new church building for the First Presbyterian Church in Dunn, North Carolina is expected to be completed and occupied in November of this year.

Designed by Courtenay C. Welton, A.I.A., of Richmond, it will house a congregation that dates back to July 7, 1889, two years after the town of Dunn was chartered. A small church that grew, the First Presbyterian Church of Dunn numbered only 90 persons when it began, in 1908, the building which will be replaced this fall. With a congregation of more than 500 at this time, the need for new quarters was felt and last year construction of the first

unit, consisting of the educational building and fellowship hall, was authorized.

Paul H. Brown and Associates of Raleigh were the mechanical, and electrical consultants. General contractor is Davidson and Jones, also of Raleigh. Separate contracts for the architectural and mechanical work were awarded in March of this year and total approximately \$215,000. This will cover the first unit of the new plant which will provide a temporary Sanctuary in the Fellowship Hall which will accommodate approximately 300. The two-story Educational Building will have facilities for approximately 550 in classrooms and a wing housing the pastor's study and office areas. The entire unit will be air

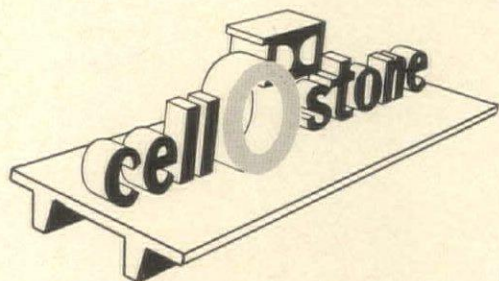
conditioned and be of Colonial design. The building will be treated with acoustical plaster. Costs work out at \$11.75 per square foot for the 18,100 square feet and at 72½¢ per cubic foot for the 296,800 cubic feet contained in the building.

Principal subcontractors and material suppliers, of Raleigh, were Martin Millwork Co., millwork; Bakers & Brown Roofing Co., Inc., roofing; Berry Tile Co., tile; Willis M. Lee, painting; Easterby & Mumaw, Inc., bar joist, etc.; Delph Hardware, Inc., toilet partitions, steel doors; Chamberlin Co. of America, weatherstripping; R. L. Dresser, floor and ceiling tile; Raleigh Electric Co., electrical work; Carl B. Mims Plumbing & Heating Contracting Co., plumbing work.

Others were Brisk Waterproofing Co., Richmond, waterproofing; Ornamental Stone Co., Charlotte, N. C., cast stone; Dietrich Bros., Inc., Baltimore, Md., structural and miscellaneous steel; James A. Smith & Son, Durham, N.C., plaster; Mechanical Contractors, Inc., Cary, N.C., heating and air conditioning.

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MI 4-1971

\* Prestressed concrete suppliers for the new Cox Professional Building Drug Store, page 21.



A. RAY PENTECOST, JR., AIA  
Architect

JAMES E. HART  
Mechanical Consultant

WILLIAM G. VANSANT  
Electrical Consultant

THAYER & WALLACE  
Structural Consultant

WALTER T. GREGORY  
CONSTRUCTION CORP.  
General Contractor



## New Church in Norfolk

THE NEW SECOND PRESBYTERIAN CHURCH in Norfolk, designed by A. Ray Pentecost, Jr., A.I.A., Architect, was completed in February of this year. Consisting of two buildings, a 44 by 78 foot Chapel and a 55 by 124 foot Education Building, the complex is "L" shaped and two stories in height. The exterior of the building is of brick. The inside of the exterior walls and the interior walls and partitions are of concrete masonry units. The roof is of asbestos shingles on the pitched portions and is built-up over the flat areas. Metal windows were used in the Education Building. The floors are finished concrete and asphalt tile.

In the chapel, the roof is supported by massive laminated wood Gothic arches across which is a purlin system and wood deck. The wood roof construction is finished and exposed. The narthex is separated by a screen which is open in the upper reaches as can be seen in the photograph made from the altar area. The finishes throughout the building are simple but dignified. Light-

ing concealed behind the first of the laminated arches is directed to the chancel area. Other church type lighting fixtures are suspended in the chapel from the wood roof framing.

Located at the corner of Hampton Boulevard and North Shore Road, the church presents a striking appearance, accented by the massive roof of the chapel.

Walter T. Gregory Construction Corp., of Norfolk, was general contractor and did the excavating, foundations and concrete work. Principal subcontractors and suppliers, all of Norfolk, unless otherwise noted, were as follows:

Woodrow W. Ford, piling; W. T. Stowe, Inc., Portsmouth, masonry; Barnum-Bruns Iron Works, steel, steel roof deck; Roof Engineering Corp., roofing, structural wood; Overmyer & Ennis, stone work; Fenestra, Inc. (Roof Engineering Corp.), windows; Unit Structures, Inc., Peshtigo, Wisc., laminated arches.

Also, Miller Mfg. Co., Inc., Richmond, millwork, carpentry; Walker & Laberge Co., glazing; Shaw Paint & Wall Paper Co., Inc., painting; J. F. Rountree, weatherstripping; Febre & Co., of Norfolk, Inc., plaster; Ajax Co., Inc., ceramic tile; Grover L. White, Inc., resilient tile; Lewis & Sale, Inc., steel doors and bucks; Alston, Inc., electrical work; E. B. Sams Plumbing & Heating Co., plumbing, air conditioning, and heating.

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Ceramic tile contractors for the new Nurses' Dormitory, featured on page 22, and the Office & Bottling Plant, featured on page 18.

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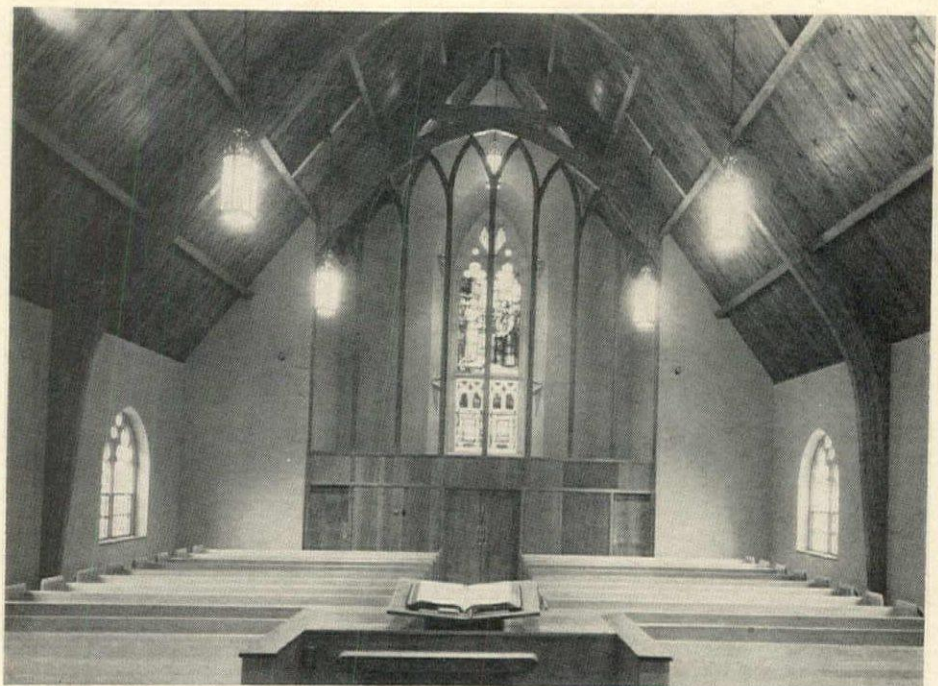
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RICHMOND, VIRGINIA

Electrical Work, Virginia

State Chamber of Commerce, page 31.

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# VIRGINIA BUSINESS REVIEW

Virginia's only state-wide industrial exposition, "Index," will be held in Roanoke September 27-30. It is sponsored by the Old Dominion Industrial Exposition, Inc., a non-profit corporation of 30 industrialists and business leaders throughout the state or with Virginia affiliation.

This biennial attraction expects to draw more than 200 exhibitors incorporating every phase of Virginia's industrial and business life. It is open for all industries and firms with business outlets serving the Old Dominion. Inquiries for exhibit space should be made to the Exposition, P.O. Box 1273, Roanoke.

\* \* \*

Governor Almond has declared the week of May 21 as Highway Week in Virginia for the purpose of publicizing the highway building program of the state, thereby advancing public aware-

*Trafton-Powell  
team at work.*



ness and understanding of the program and its objectives.

District Highway Engineers and District Vice Presidents are proceeding with plans for press tours and other observances. Virginia's Highway Week will coincide with activities of National Highway Week, proclaimed by President Kennedy.

\* \* \*

James M. Powell, for 10 years managing director of the Jefferson Hotel in Richmond, has teamed up with Mrs. Lucy F. Trafton, owner of the fire-damaged Trafton-Chalfonte to bring to Virginia Beach's largest waterfront hostelry the sort of innkeeping know-how that endears them to repeat cus-

tomers. When the newly decorated Sir Walter Hotel opens its doors for the 1961 season, its management team represents nearly 60 years of hotel management experience.

Mrs. Trafton's son, F. Ferebee, will manage the Cape Henry Club; a highly select list of Virginia Beach, Princess Anne and Norfolk people will receive invitations to membership.

Powell brings with him his long time executive secretary, Mrs. Norvella Flynn, a graduate of the Cornell University School of Hotel Administration, and the Jefferson's former Assistant Manager Richard Rogers, who will serve as front office manager. James Powell, Jr., who graduates from Ran-

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dolph Macon Academy this June, will be in charge of the swimming pool, and Mrs. Powell, the former Helen Gwaltney Norfleet of Newport News, will fill in at any number of spots.

\* \* \*

Promotion of Benjamin Homer Bolen of Richmond, to Commissioner of Parks for the Virginia Department of Conservation and Economic Development, has been announced by Marvin M. Sutherland, Department Director.

Bolen, who has been Assistant Commissioner since 1959, succeeds the late Randolph Odell, and has been serving as Acting Commissioner since Odell's death in February.

\* \* \*

Ground was broken last month for the building of a new super market on Route 11 just north of Lexington.

The new store, to be known as the Town and Country Food Mart, will be operated by Fred Lewis and Hillman Straub. Opening is expected this summer.

#### NAMES IN THE NEWS

**Robert R. Meacham**, art director of Cabell Eanes, Inc., Richmond advertising firm, has been elected president of the Art Directors Club of Richmond. . . . **Allied Cinder Block Corporation** and **Valley Blox, Inc.**, have announced the appointment of **Orville Pence** as general manager of their Harrisonburg operations. . . . **Charles R. Poole**, of Wytheville, has been appointed sales manager of the Roanoke drug division of McKesson & Robbins, Inc.

**R. E. Craghead**, of Roanoke, has been promoted to Plant Wire Chief, Pennington Gap, with the C & P Telephone Co. of Va. . . . **Walter Bradshaw** will manage a new Franklin retail store, twentieth in a chain of A & N stores operated by Sternheimer Brothers, Inc., of Richmond. . . . **Tom Pool Nelson** was re-elected president of the South Boston Tobacco Board of Trade.

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. . . **Mr. and Mrs. W. S. Allen**, who owned and published the Woodstock *Shenandoah Herald*, have purchased the Scottsville *Sun*.

**Edward B. Leisenring, Jr.**, of Phila-

delphia, has been elected a director of the Southern Railway Co. Mr. Leisenring is president and chief executive officer of the Virginia Coal and Iron Co. and associated companies.

### DAYS CONSTRUCTION CO., INC.

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Salem, Va.

General Contractor for Mortgage Investment Corp.

See page 26.

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for Coca-Cola Office & Bottling Plant. See page 18.



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VIRGINIA

General contractor: Stratford Hills Methodist Church.

See page 20.

### GAYLE S. MANN, JR., & CO.

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Spracrete Waterproofing on Office Building

for Mutual Insurers, Inc. See page 27.



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CHARLOTTESVILLE, VA.

*Subcontractor — roofing:*

1. Alterations to Hanover Ave. Christian Church, page 14.
2. Epiphany Evangelical Lutheran Church, page 28.
3. Stratford Hills Methodist Church, page 20.
4. Addition to Corinth Methodist Church, page 23.

Prize Winning School (from page 11)  
riculum needs. In addition to the wiring, a television control room has been provided in the administrative wing, making it possible to show as many as three separate films simultaneously and allowing a classroom teacher to select the films which she has scheduled to supplement her classwork.

General contractor was Robt. R. Marquis, Inc., Portsmouth, who also did work on excavating, foundations, concrete, carpentry, weatherstripping, insulation and the floor for the stage.

Subcontractors and material suppliers included:

Tidewater Fire Proofing Co., Norfolk, masonry; Vulcraft, Florence, South Carolina, steel joists; Virginia Steel Co., Inc., (Inland), Richmond, steel roof deck; American Sheet Metal Corp., Norfolk, roofing; Withers-Clay-Utley, Inc., Norfolk, windows, window walls, steel doors and bucks.

Also, Walker & Laberge Co., Norfolk, glazing; Burgess Brothers, Portsmouth, painting; Brisk Waterproofing Co., New York, waterproofing; Ajax Tile & Marble Corp., Norfolk, ceramic tile; W. Morton Northern & Co., Inc., Richmond, resilient tile; Miller Mfg. Co., Inc., Richmond, millwork; Volta Electric Co., Norfolk, electrical work; F. O. Brugh & Sons, Norfolk, plumbing, heating and ventilating.

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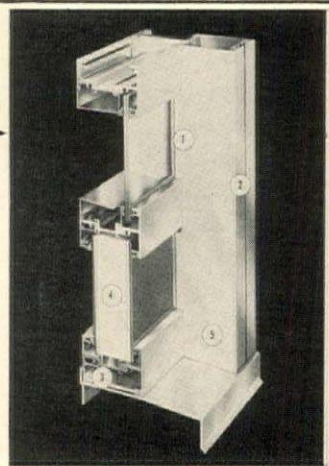
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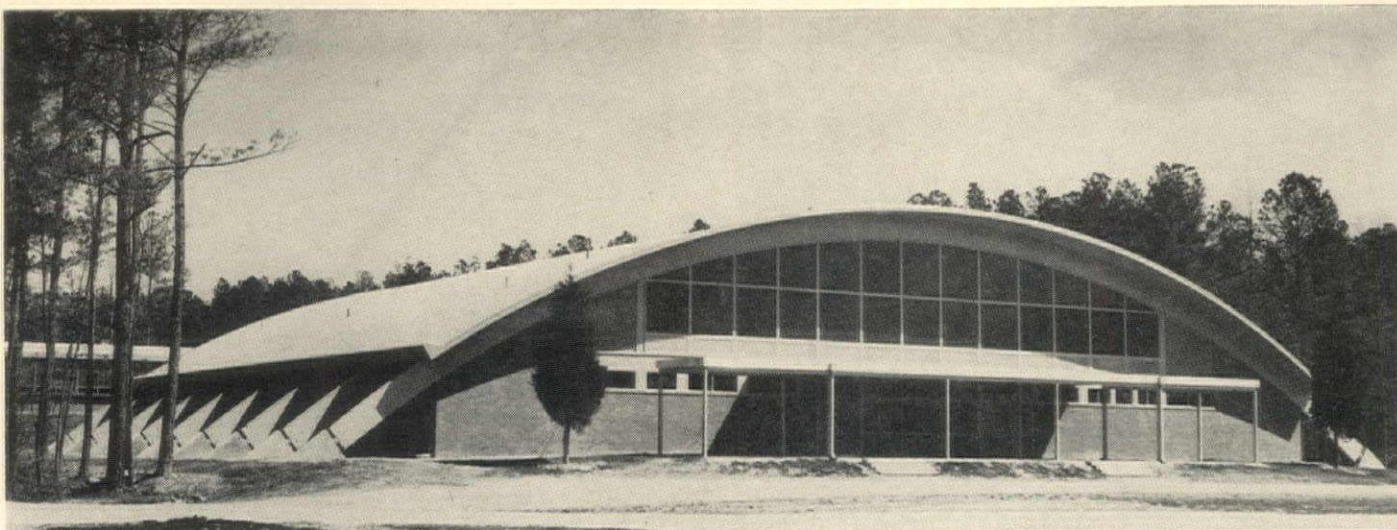
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## Collegiate Schools (from page 10)

and for students' social gatherings. Four music practice rooms open into the recital room with double doors permitting movement of pianos, and flexibility in seating. Exposed laminated wood arches, interior brick walls, and a fireplace make the room less institutional in character.

In the Gymnasium Building laminated circular wood arches on 16'0" centers with 4" thick Western Cedar deck form the roof. Both ends of this building above balconies are wood-mullioned window walls. The basketball playing floor is of maple on treated wood screeds, supported on vinyl cushions 12" o.c. on the concrete slab. This is the Perma-Cushion System and the entire floor is permitted freedom for movement.

Throughout the school, construction generally is wall bearing using exposed steel beams and purlins. In certain areas bar joists are used with acoustical ceilings. Wall construction is of exterior molded face brick and exposed Solite block inside. Floors are monolithic terrazzo in corridors and assembly areas, asphalt tile in class rooms. Roofs are poured gypsum on fiberglass form boards where ceilings are exposed. Roofs are built up type using light colored gravel aggregate. All fascias are of extruded aluminum.

Windows are aluminum throughout except in the Gymnasium. In certain areas, integrally constructed window wall units with exposed aggregate panels are used. Colors of these quartz panels are of varying warm tones in keeping with the pastel brick colors in adjacent walls. Exposed brown gravel aggregate is used in exterior concrete walks and terraces. Brick and, in some instances, redwood divider strips are

used in terraces.

Eave overhangs on class room buildings extend about 4'0" to lessen sky glare. Continuous fluorescent fixtures hung on pendants are used in class rooms. Semi-recessed fixtures are used in corridor ceilings. Indirect ring-type fixtures were selected in Assembly and Music Recital Room.

Heating is provided by four Cleaver-Brooks hot water boilers, one for each Class Room Building, one for Gymnasium and one which serves Cafeteria-Assembly, Administration, Library and Science Building. Air handling units with heating coils are provided for the Gymnasium and Cafeteria-Assembly Room. Class room unit ventilators are used in the majority of smaller pupil occupied areas, in some instances supplemented by fin-tube radiation under windows. Fireplaces are provided in entrance foyers, and have been enjoyed during the winter by students and faculty.

General contractor was Doyle and Russell, with the following suppliers and subcontractors:

ABOVE: Gymnasium.

BELOW: West end of Cafeteria-Assembly



F. G. Pruitt, Inc., excavating; Hammond Masonry Corp., Sandston, masonry; J. B. Eurell Co., roof deck; N. W. Martin & Bros., Inc., roofing; Economy Cast Stone Co., stone work; Reynolds Metals Co., aluminum windows; Tecfab, Inc., Beltsville, Md., window walls; Roof Engineering Corp., Norfolk, structural wood; E. Caligari & Son, Inc., Norfolk, painting; Concrete Pipe & Products Co., Inc., structural (glazed) tile.

Also, Richmond Primoid, Inc., waterproofing; Hampshire Corp., acoustical, resilient tile; Costen Lumber Co., wood flooring; Oliva & Lazzari, Inc., ceramic tile, terrazzo; Miller Mfg. Co., Inc., millwork; The Staley Co., steel doors and bucks; Varina Electric Co., electrical work; American-Standard, plumbing fixtures; Virginia Plumbing & Heating Corp., plumbing, heating and ventilating; John G. Kolbe, Inc., kitchen equipment.

Work on foundations, concrete and carpentry was done by the general contractor. All the above are Richmond firms unless otherwise noted.

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Subcontractors for ceramic tile, Alberene  
stone on Epiphany Evangelical Lutheran  
Church. See page 28.

## A.C.E.I. (from page 19)

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going Mail, Publication Storage, Sup-  
ply Storage, Plate Storage and Work  
Area, Duplicating Section, Staff Room  
and Kitchen, Conference Rooms, Audio  
Visual Room.

*Public Areas*—Reception and Lobby,  
Display Areas, Library.

The architects found the Association  
for Education International to be a  
client which is most aware of all steps  
required in planning a successful proj-  
ect.

General contractor was Russell T.  
Woodfield, of Washington, who also did  
the carpentry. Principal subcontractors  
and material suppliers were as follows:

B & R Crane and Shovel Co., Washington, exca-  
vating; Transit-Mixed Concrete Co., Inc., Wash-  
ington, concrete; H. T. Harrison & Sons, Inc., Wash-  
ington, roofing; A. Myron Cowell, Inc., Washington,  
stone work; Tecfab, Beltsville, Md., window walls.

Others, also all of the Washington area, were  
Hires Turner Glass Co., glazing; Suburban Decor-  
ating Co., Inc., painting; Chas. A. Facchina Co.,  
Inc., structural tile; Jos. A. Willett, plaster; Stand-  
ard Floors, Inc., resilient tile; Ewing Lumber &  
Millwork Corp., millwork; Builders Mfg. Co.,  
steel doors and bucks; Henry B. Johnson, Jr., elec-  
trical work; S. Freedman & Sons, plumbing fixtures;  
Atchison & Keller, Inc., plumbing, air conditioning  
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## Annandale Church

(Continued from page 12)

story education building at a later date when a larger auditorium is built. The present balcony level will be continued to complete the third floor. The tower, upper and lower courts, stained glass window, all a part of this building project will remain and become part of the over-all development when future auditorium is built.

The Rust Construction Co., Inc., of Alexandria, was general contractor, and did work on the excavating, foundations, concrete, carpentry and insulation. Sub-contractors and material suppliers included:

Glen Baker, Springfield, masonry; Rosslyn Iron Works, Washington, D. C., steel; Perrin & Martin, Arlington, roofing; Capital Products, Inc., Washington, windows; Hires Turner Glass Co., Arlington, glazing; Case Decorators, Inc., Falls Church, painting.

Also, Dodd Brothers, Inc., Falls Church, plaster, acoustical; Art, Tile & Mosiac, Washington, ceramic tile; Standard Floors, Inc., Washington, resilient tile; Miller Mfg. Co., Inc., Richmond, millwork; Coast Line Steel Products, Washington, steel doors and bucks; Acme Iron Works, Inc., Washington, handrails; Becker Electric, Alexandria, electrical work, lighting fixtures; F. W. Harris Plumbing & Heating, Annandale, plumbing fixtures, plumbing, air conditioning, heating, ventilating.

The stained glass window was from Russell Church Studio, Winston-Salem, North Carolina. Structural wood used was Tim-deck.

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Drive-In, featured on page 30.

## W. L. WACHTER

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RICHMOND, VIRGINIA

Electrical contractors for the new Epiphany  
Evangelical Lutheran Church, featured on page 28.

Also, alterations to the Hanover Avenue Christian  
Church, featured on page 14.

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on Second Presbyterian Church, Norfolk,  
featured on page 36.



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Dial EL 5-7444

RICHMOND, VIRGINIA

Subcontractor plumbing, heating, air conditioning and ventilating:  
Nurses' Dormitory, Richmond Memorial Hospital. See page 22.  
Stratford Hills Methodist Church. See page 20.

## HAMMOND MASONRY CORP.

MASONRY CONTRACTORS

St. Reg. No. 5348

RE 7-1280

Sandston, Va.

Subcontractors for masonry on  
The Collegiate Schools. See page 10.

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PORTSMOUTH, VIRGINIA

INTERIOR - EXTERIOR DECORATING  
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1217 Prentiss Avenue

EX 7-9607

Painting contractor for Great Bridge  
Elementary School. See page 11.

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**NATURAL SLATE BLACKBOARD CO.  
and THE STRUCTURAL SLATE CO.  
PEN ARGYL, PENNSYLVANIA**

## Corinth Methodist (from page 23)

excavating, foundations, concrete work, carpentry, and millwork. Other subcontractors and suppliers, all of Richmond unless otherwise specified, were as follows:

W. B. Davis, masonry; Richmond Steel Co., Inc., steel; J. B. Eurell Co., roof deck; N. W. Martin & Bros., Inc., waterproofing, roofing; Economy Cast Stone Co., stone work; The Staley Co., Inc., windows; Amelia Building Materials, Inc., Portsmouth, structural wood, wood decking.

Also Binswanger Glass Co., glazing; W. W. Nash, painting; Manson & Utley, Inc., acoustical, resilient tile; Stowe & Denton, plaster; General Tile & Marble Co., Inc., ceramic tile; Roanoke Engineering Sales Co., steel doors and bucks; L. W. Roberts Co., lighting fixtures; Northside Electric Co., electrical work; plumbing fixtures, Crane; W. A. Dagenhart & Son, plumbing, air conditioning, heating.

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RICHMOND, VA.

- Epiphany Evangelical Lutheran Church. Steel door and bucks. See page 28.
- Mutual Insurers, Inc. Glazing, steel doors. See page 27.
- Westover Hills School. Glazing. See page 17.



## One Bright Beacon

(Continued from page 3)

of the Great Lakes, was unequalled in any prison in the war. Six thousand Confederates died at Camp Douglas during the war. In addition, an incommensurable proportion of men at Camp Douglas, and other prisons in camps in bitter cold climates, contracted respiratory diseases from which they never fully recovered.

At Elmira, in New York state, when 10,000 Confederate prisoners overflowed barracks built for half that num-

ber, the Southerners were placed in tents during the winter, and a Federal prison inspector reported that 166 lacked even one blanket in sub-zero weather. Three thousand Confederate prisoners died at Elmira. The commandants of Elmira and Camp Douglas are unknown to history, anonymous men of duty.

Fort Delaware, the particular hell hole for Confederates, was described by a Federal prison inspector: "A thousand ill, 12,000 on an island that should hold 4,000, the general level three feet below the water mark; twenty deaths a day of dysentery, and the living having more life on them than in them, occasional lack of water . . . thus a Christian Nation treats the captives of

the sword." Yet, is there any reasonable likelihood of the commandant of Fort Delaware being likened to Nazis in a play?

Elmira, Fort Delaware, Camp Douglas—though very cold spots and two of them dangerously damp—were in a land of plenty. There was no shortage of food, medicines or clothing; fortunes were being made by the rise of new industries, as oil in Pennsylvania, while private citizens and whole communities were being systematically despoiled in the South. If there was an inhumane treatment of prisoners dictated by policy, it was in the Federal prisons. In Southern prisons, the prisoners of war only shared the fate of the people whom they were conquering by force

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of arms. And, the small point neglected by the Northern propagandists is that the Northern prisoners were condemned to share this fate by a ruling made by Grant and supported by Lincoln.

The Confederacy wanted to continue the exchange of prisoners as was practiced in the first years of the war. When Grant became general-in-chief he abolished future exchanges of prisoners on the grounds that the Confederate armies benefited more by the exchange than the Federal armies. In acknowledging the need of the Army of the Potomac and Sherman's army in the West to maintain preponderant numerical supremacy (in 1864, it was at about two to one), Grant explained that a return of an equal number of exchanged prisoners to the ranks lowered the necessary ratio of numerical superiority. As in Virginia toward the end, 125,000 against 75,000 represented less decisive numerical superiority than 100,000 to 50,000. Also, Grant claimed that more exchanged Confederates returned to the armies than exchanged Federals. For this coldly pragmatic reason, Northern prisoners, whom the South could not feed nor care for any better than for its own people, were kept at Andersonville by Grant. The South did not want prisoners.

As Grant and Lincoln, who were well aware of the sufferings at Andersonville, could have stopped it at any time, where do they figure along with Wirz when the responsibilities are assessed for inhumanities inflicted in war? It is a question that will never be answered in the North. It is simpler to say "Andersonville," and quickly close the mind to any facts contrary to the impressions left by propaganda.

It was hoped that the Centennial would promote an interest in the truths of the Civil War. Such a hope must fade on any large scale when the reenactment of Fort Sumter was used by the New Jersey delegation, appointing the wife of an NAACP official, as a chance to get in some licks on civil rights. But the presence of the exhibit by the Richmond Academy of Medicine points the way, as was suggested in the Centennial Edition of VIRGINIA RECORD, for the individual to inform himself, and learn first hand that truth of the past which serves as a guide to understanding the present.

*Clifford Dowd*





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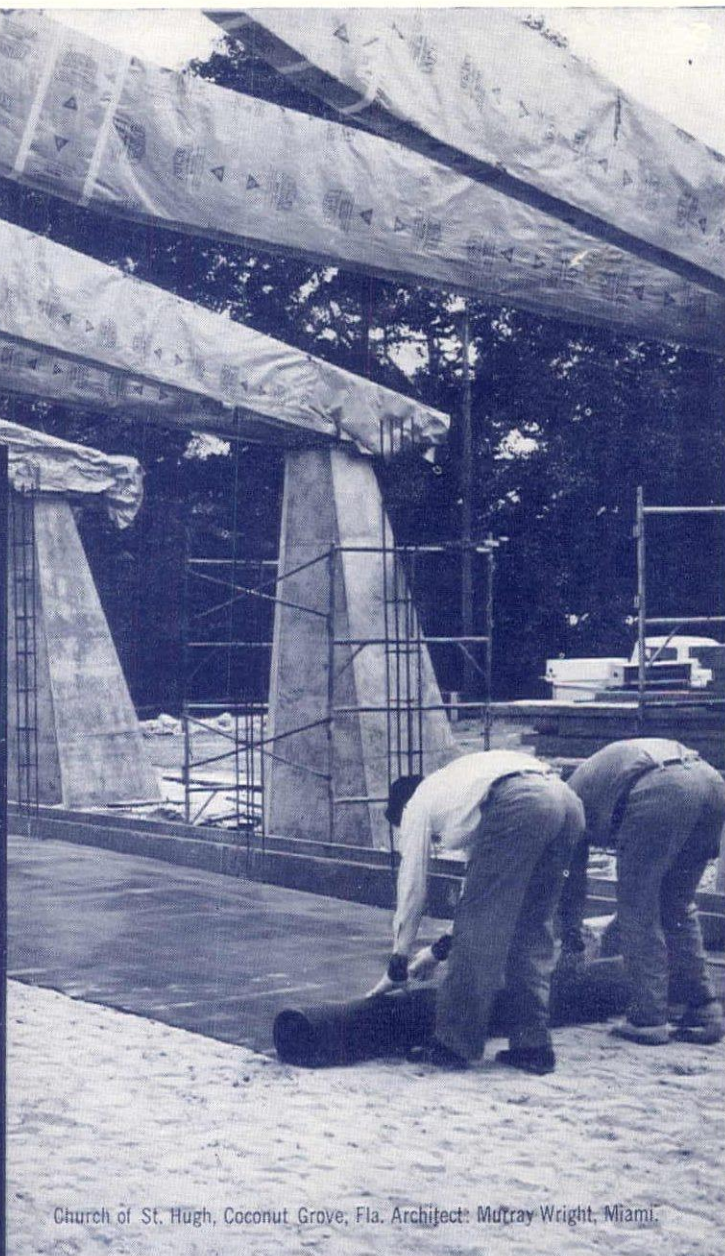
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