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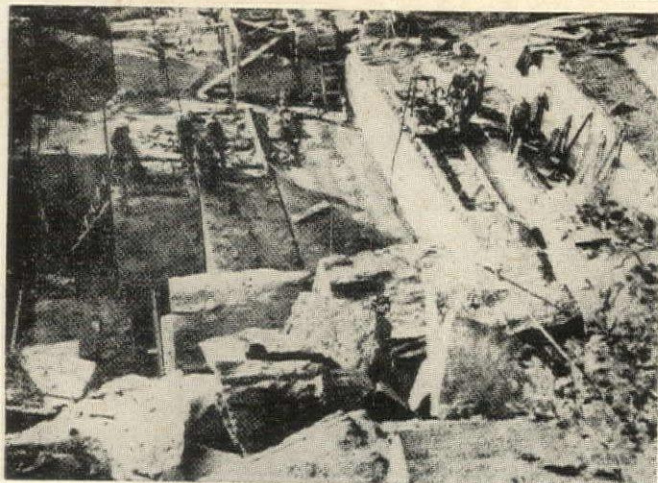
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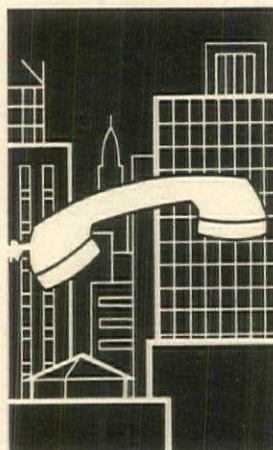
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Architectural Editor

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FEBRUARY 1960

NUMBER TWO

As The Twig Is Bent

by CLIFFORD DOWDEY

WITH THE Virginia General Assembly now occupied with practical and controversial problems, Virginians might forget that 1960 constitutes 342 years of the meeting of this oldest representative law-making body in the Western Hemisphere. We are reminded of the historic tradition of the General Assembly by a book written by Mrs. Nora Miller Turman, recently published by Garrett and Massie of Richmond.

Mrs. Turman, a high school librarian in Accomack, has published many articles relating to early Virginia history, and this narrative is centered around George Yeardley, an early Governor of the Virginia Colony.

Romantic tales about the "Cavaliers" and Pocahontas in Virginia's beginnings have often obscured the part played in the colonization by resourceful and fairly hardbitten men of enterprise. During the rule of the London Company particularly, the fate of Virginia's existence was resolved by rather desperately unromantic characters. It can never be sufficiently stressed that settling in the early colony represented more of a hazard, say, than pioneering across the western plains two centuries later. The pioneers left from established frontier posts to pass through Indian country. The nearest settlement to the Virginia "pioneers" was London, and they settled on the fringe of an unexplored continent populated by Indians. Since any wealth to be gained in this new land would be acquired by extremely hard work, and the surviving of indescribable hardships, naturally few persons who were well established at home undertook the adventure in the early days.

Most of those of established background who came were interested in

colonization, and many of these were subscribers to the London Company. However, their interest did not necessarily fit this small proportion of the settlers for the hardships of a new frontier. Very likely the starving colony would have collapsed and been abandoned except for the professional soldiers who acted as administrators. Gates, Dale and Yeardley were the highly able men who managed the colony with practical, businesslike methods. In those days a young man who wished to be a career soldier was apprenticed in the army for seven years, and then received his commission. George Yeardley was commissioned in 1608 at the age of 21. Coming early to Virginia, he rose in authority as second

in command to Sir Thomas Dale, and was only 31 years old when he became acting Governor in 1618.

It was during his office that the first representative law-making body met on this continent on a very hot July 30th in 1619.

Though many efforts have been made to use this first Assembly as an indication of the democratic spirit in the Virginia Colony, this is really stretching the facts to fit a later-day concept. The representative body of the House of Burgesses was actually granted the colonists by liberal factions in the London Company, and its primary function was to act as a counterbalance to the Governor's Council. As

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COVER NOTE

Our cover portrait is a rendering of the proposed new Riverside Hospital in Newport News. Following what they termed a simple directive—"To provide design of plant and equipment for the most effective scientific care and successful ministration to patients"—the architectural firm of Williams, Coile & Blanchard and Associates will give Newport News one of Virginia's foremost general hospitals and at the same time provide a strikingly beautiful addition to that city's architectural silhouette. You'll find the cover story on page 21.

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Ceramic Tile Contractors for the
Lincoln Terrace Elementary School
featured on page 12.

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VIRGINIA CHAPTER CRAFTSMANSHIP AWARDS

THE VIRGINIA CHAPTER of The American Institute of Architects conducted a most successful winter meeting at the Hotel Jefferson in Richmond during the weekend of January 21-23. Significant among the activities was the awarding of the first *Virginia Chapter Craftsmanship Awards*. These awards were to specifically selected craftsmen in the building trades and were presented during the convention banquet by University of Virginia Dean of Architecture Thomas K. Fitz Patrick. Recipients of the honors were W. W. Geggie, Newport News woodcarver whose distinguished works include much work at the Mariners Museum, the Court room doors in Newport News and the reredos at the new All Saints Church in Richmond, Virginia. E. A. Cordle, Richmond ornamental stair builder, received the award for his work in stairs and other fine millwork. Mr. Cordle worked with Mr. Geggie on the woodwork at All Saints. R. E. Richardson & Sons millwork concern also received a Craftsmanship award for their outstanding millwork which graces so many fine Virginia buildings. Garland Hastings, assistant to the president of Richardson's, received the award for the firm. Business and committee meetings kept the architects busy most of Friday and Saturday with time out for a tour of the Hankins & Johann metal working plant in Greendale and luncheon with representatives of the firm at the Hermitage Country Club Friday. Other special events of the meeting included a talk by Turner N. Burton, Director of the Virginia Department of Professional and Occupational Registration, on the problems of registration enforcement. Burton told the architects of a joint resolution now before the state Legislature calling for a study leading to a definition of the practice of architecture and engineering.

Marcellus Wright, Jr., spoke to the group Friday on the Smathers-Keogh-Simpson bill now before Congress which would permit self employed professionals to set aside retirement funds. Representatives of the Richmond, Tidewater and Roanoke sections of the Virginia Chapter made reports on the activities of their groups. The architects were the guests of A. A. Wire Products and the Western Waterproofing Co. at coffee breaks during the meeting and of the Solite Corporation at a reception Friday evening at the Rotunda Club.

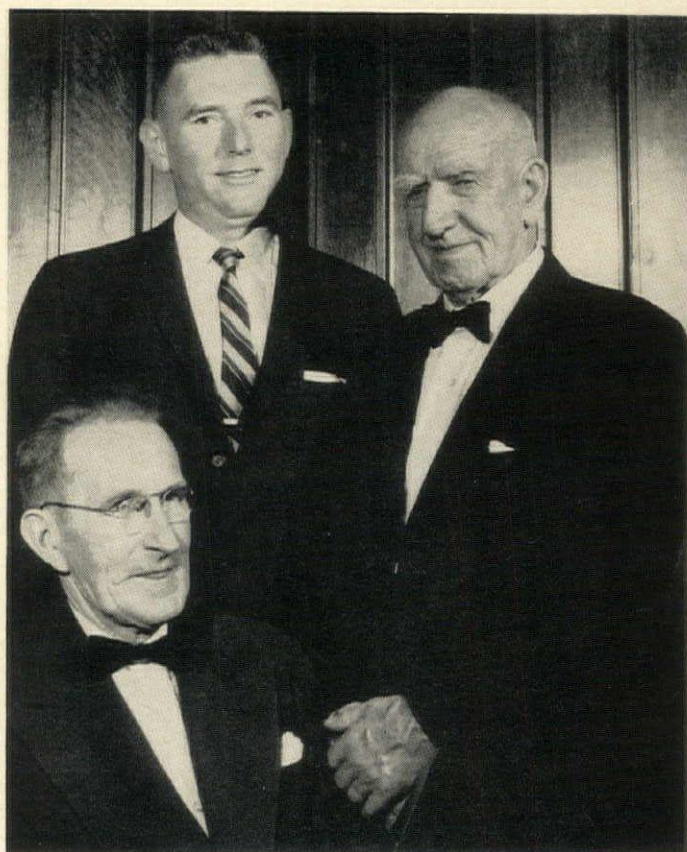
Following presentation of the Craftsmanship awards at the banquet Saturday night, the architects heard Dr. James Appleby of the Union Theological Seminary who spoke on his hobby of collecting epitaphs.

During business sessions the architects approved dues changes that would permit the expansion of services of the Chapter executive offices in Richmond and the work of the group's education and public relations committees.

* * *

The American Institute of Architects has distributed a brochure on "Law Office Layout and Design" written by Clinton Cowgill. Copies have gone to all members of the American Bar Association. A similar publication for Motels

to tell the Virginia Story



Left to right are Virginia Chapter AIA Craftsmanship Award winners for 1960: E. A. Cordle, Richmond ornamental stair builder; Garland Hastings, assistant to the President of R. E. Richardson & Sons; and W. W. Geggie, woodcarver.

and Hotels is planned. Printed as a public service by the Bobbs-Merrill Co., Inc., the booklet is a comprehensive discussion of various planning problems facing lawyers in their search for office space.

* * *

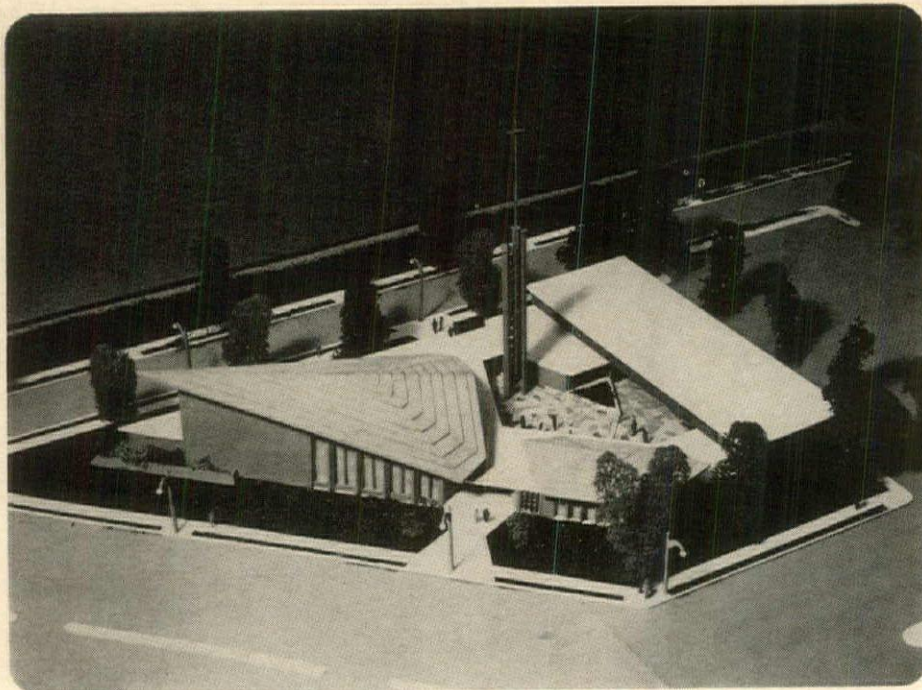
The AIA has announced as the jury for the 1960 Reynolds award; Dr. Walter Gropius, Philip Will, Jr., James M. Hunter, Arthur Fehr and C. E. Pratt.

* * *

Virginia Tech Professor of Architecture, John F. Poulton, has been named national chairman of the *Committee for the Citation of Excellence in Teaching* of the Association of Collegiate Schools of Architecture. Professor Poulton was honored with a citation of the committee at the annual convention of the ACSA last June. The purpose of the committee and its citations is to choose members of the profession to be honored for their contribution in raising and maintaining a high level of architectural teaching and practice. The first awards were made in 1958.

Several renowned architects and educators have been selected to serve on the committee headed by the Tech professor: Walter Gropius, retired Chairman of Architecture at Harvard University; Roy Childs Jones, Professor Emeritus and former Head of Agriculture at the University of Minnesota; and Harold Bush Brown, Professor Emeritus and

(Continued on page 42)



JOSEPH SAUNDERS AND ASSOCIATES,
Architects

COWLES CONSTRUCTION CO., INC.,
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Left: Architects Model

Below: Sketch of Interior

FAIR PARK BAPTIST CHURCH ALEXANDRIA

THE CHARGE to the Architect in this project was to develop a master plan for the most efficient use of land for a complete church plant on a triangular shaped site. The plan is to be accomplished in four stages of construction. The first stage, started under construction in July of 1959, includes the permanent main sanctuary with seating for 535, foyer or narthex, administrative offices, choir rehearsal and robing rooms, Sunday School space, and elevated baptistry with dressing rooms. The cost of the first stage construction is \$174,000. The remaining stages are to be completed as soon as finances permit, and will consist of a Chapel, Social Hall with stage, Nursery and Beginners Areas and the completed needs for Sunday School requirements.

Completely air conditioned year-round with electrically operated air-to-air heat pumps, this Stage I construction is of face brick with painted concrete block interior. Roof construction is of laminated wood beams and purlins with wood planking. Main roofing is asphalt shingle.

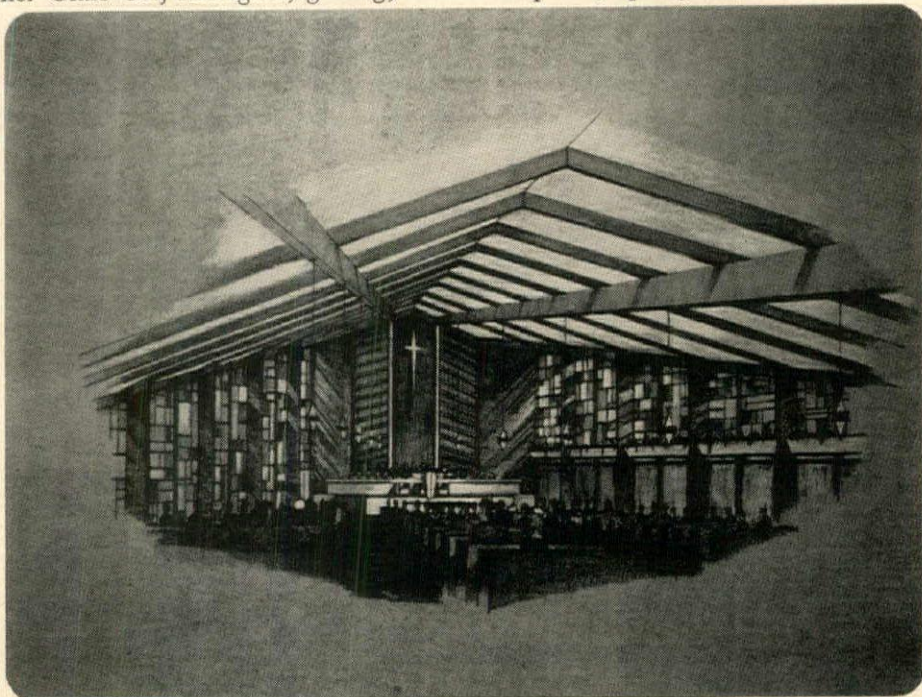
Window sash for Sanctuary are wood. Others are steel. Main lighting fixtures together with chancel furnishings and similar details were designed by the Architect.

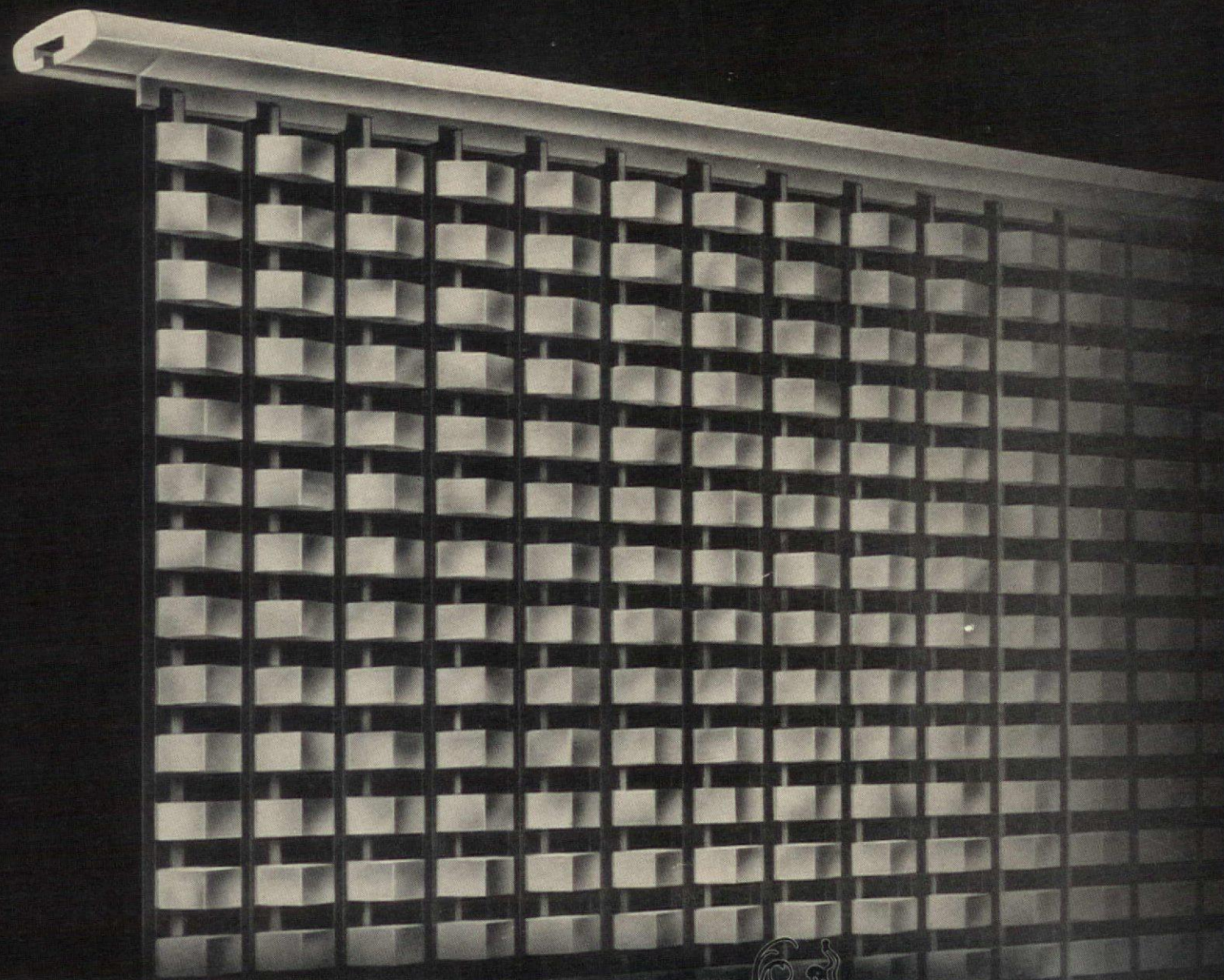
On the basis of the construction contract, which includes the interior built-in furnishings, this project cost is \$15.10 per square foot.

Cowles Construction Co., Inc., the

general contractor, Alexandria, supplied excavating, foundations, concrete, masonry, carpentry, waterproofing, weatherstripping, insulation and plastering. Other principal material suppliers and sub contractors were: Manassas Iron & Steel Co., Manassas, steel; Ewing Lumber & Millwork Corp., Beltsville, Md. (representing Timber Structures, Inc.), roof deck and structural wood; Perrin & Martin, Arlington, roofing; Hope's Windows, Inc., Arlington, windows; Hires Turner Glass Co., Arlington, glazing; Sol-

way Painting Co., Arlington, painting; Marty's Floor Covering Co., Inc., Alexandria, resilient tile; Arlington Woodworking & Lumber Co., Inc., Arlington, millwork; Superior Door Frame Co., Scranton, Pa., steel doors and bucks; J. C. Harman & Son, Manassas, lighting fixtures and electrical work; F. W. Harris Plumbing & Heating, Annandale, plumbing and plumbing fixtures; McCrea Engineering Co., Washington, D. C., air conditioning, heating and ventilating; Fries, Beall & Sharp Co., Springfield, Va. •



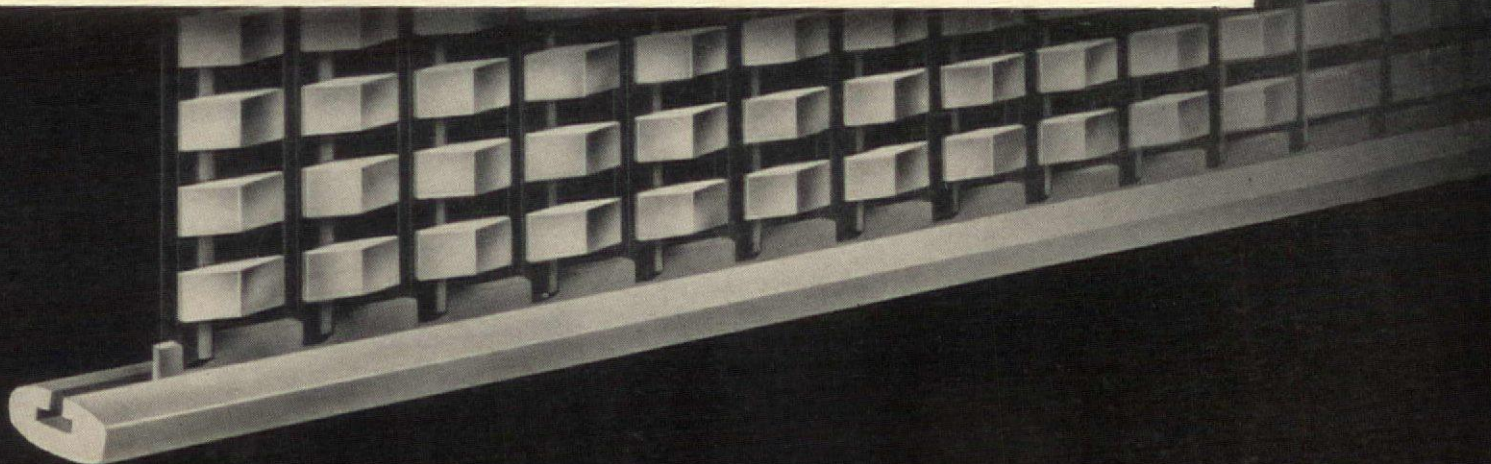


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OFFICE BUILDING ANNEX, CANBERRA, A.C.T., AUSTRALIA

UNITED STATES EMBASSY

MILTON L. GRIGG, Architect

THE MASTER PLAN for the new Australian national capital was the subject of a world wide competition held in 1911, but it was not until two or three years ago that the very daring plan of an American architect, Walter Burley Griffin, began to be realized.

Griffin's plan envisions a national capital city composed of the Australian national capital and governmental buildings, and the embassies of the other nations at one end and the supporting community residential and trade areas at the other end of a long avenue. Thus the plan permits peripheral growth outward and inward at the same time. The plan might best be described as resembling a giant dumb-bell with the long avenue being the grip of the dumb-bell surrounded by great water areas, lakes and rivers, and parks.

As all governmental services were removed to Canberra in 1959 the various representations from the several nations were also obliged to move there from their scattered locations in Sydney, Melbourne, etc. In 1945 the United States government built a residence for the Ambassador and a small legation building in Canberra. The present expansion of the facilities in the Australian capital, designed by Charlottesville, Va., architect Milton L. Grigg, a Fellow of the American Institute of Architects, has caused the creation of a new Chancery which incorporates in part the old structure, which building, because of prior com-

mitments of the United States government as to style, sets the project to be in the "American Georgian" vernacular.

Grigg's new design is for a building which will be a three part composition roughly expressing in outward appearance the three phases of representation: political, economic and military. The building will be three stories high and with sufficient facilities for the staff and personnel living, due to its remoteness from the down-town areas of the capital.

The site is commanding a hilltop and the American establishment is viewed from all sides, creating something of an architectural problem in concealing the "housekeeping" areas, services and delivery portions and less attractive facilities.

Grigg has, therefore, planned the building with an entrance through an underground tunnel for mail services and outside deliveries. The tunnel entrance is semi-concealed from the main avenues. Now under construction, in fact, awaiting the handmoulded colonial Virginia face brick now on its way to the project from Glasgow, Virginia, the building will be wall bearing with bar joist construction. The facing of the buildings will be of the brick now on its way from Virginia and about which another article appears in this VIRGINIA ARCHITECT section. Except for the brick and the slate, which is from Wales, the building is built of indigenous materials, reflect-

ing the policy of our government to avoid competition with local industry.

The landscape plan is being carried out to incorporate as much as possible of the natural beauty of the site and maximum use is being made of the handsome eucalyptus trees and other semi-tropical plant material available. Incidentally, says architect Grigg, "Other municipalities could take a clipping from the Canberra page in that they maintain a national arboretum and issue free plant material, trees of any size, to anyone in the national city, providing their planting has been approved by the Fine Arts Department. Thus the vision of the city planner for a handsomely landscaped and park-like community extending for some 450 square miles shortly will be realized."

General contractors for the project are Concrete Structures, Ltd., of Sydney. Moir, Ward and Slater are the local (Canberra) associates for supervision. Counts and Lawrence, of Washington, D. C., are the mechanical engineering consultants; J. W. Wise, of Canberra, the Quantity Surveyor. Decoration and landscaping are by Mr. Grigg's office. The project was started in 1959 and should be complete in mid-1961.

Now on the drawing boards in the Grigg office are newly authorized additional units; a military compound and facilities for the United States Information Service, an auditorium and publications printing facilities.

Locher Furnishes Embassy Brick

FOUR HUNDRED and twenty-five tons of handmade Virginia brick are being shipped half-way around the world to be used in the construction of United States Embassy buildings in Canberra, Australia.

The fourth generation of Lochers in Glasgow, Va., are in charge of making the genuine handmade, oversize brick, according to C. H. Locher, 3rd. $8\frac{1}{2}" \times 2\frac{5}{8}" \times 3\frac{7}{8}"$ in size, the brick are of a selected red range of color to match existing buildings and have a colonial sand finish. 130,000 regular brick are involved in the order, plus 5,000 special shapes.

The three American Georgian style buildings in which they will be used were designed by Charlottesville, Va., architect Milton L. Grigg, a Fellow of the American Institute of Architects. Situated on a commanding hill top in the Australian "embassy city," they will provide for the political, economic and military staffs of the new Chancery, according to Grigg.

The brick, "are manufactured in Virginia due to the inability of the Australian brick kilns to furnish bricks to match the present buildings and suitable for the desired textured facades," says Grigg. The Locher Brick Co. was formed in 1917 of family manufacturing interest in the Virginia town established in 1847. They specialize in the type of handmade colonial brick for which much Virginia architecture is famous. The firm mines surface clay locally, grinds it and mixes it with water in an open pug mill, places it in sanded wooden moulds for drying and bakes it in a down-draft beehive kiln. The process, from clay to brick takes about $2\frac{1}{2}$ weeks.

From Glasgow the brick are being shipped by rail to Newport News thence by ship to Sidney, Australia. Over 300 crates of 410 brick each are involved in the shipment.



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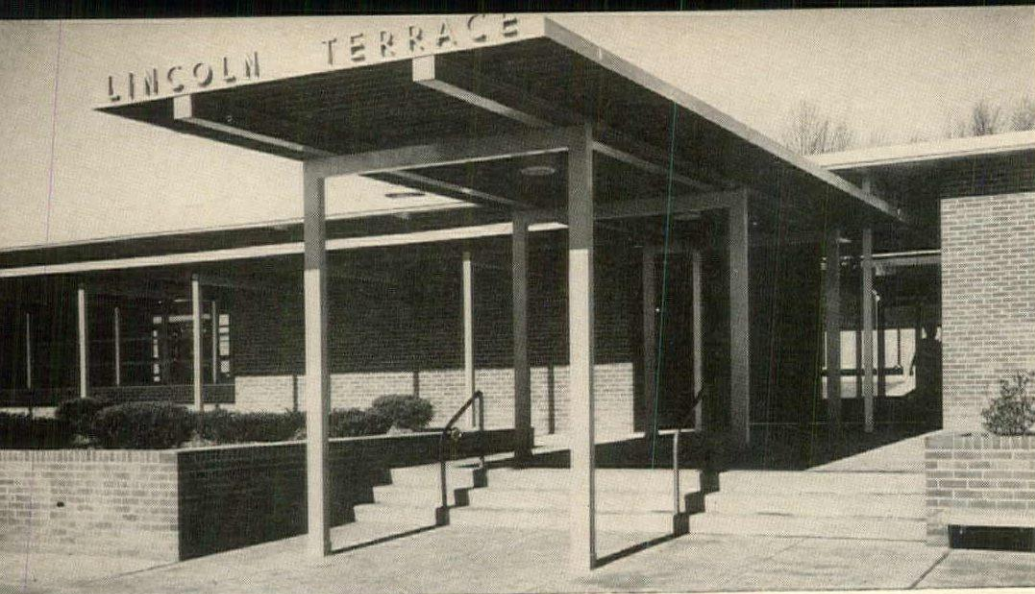
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Mechanical & Electrical

DAY CONSTRUCTION COMPANY,
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H. A. LUCAS & SONS,
General Contractor, Phase II

LINCOLN TERRACE SCHOOL ROANOKE

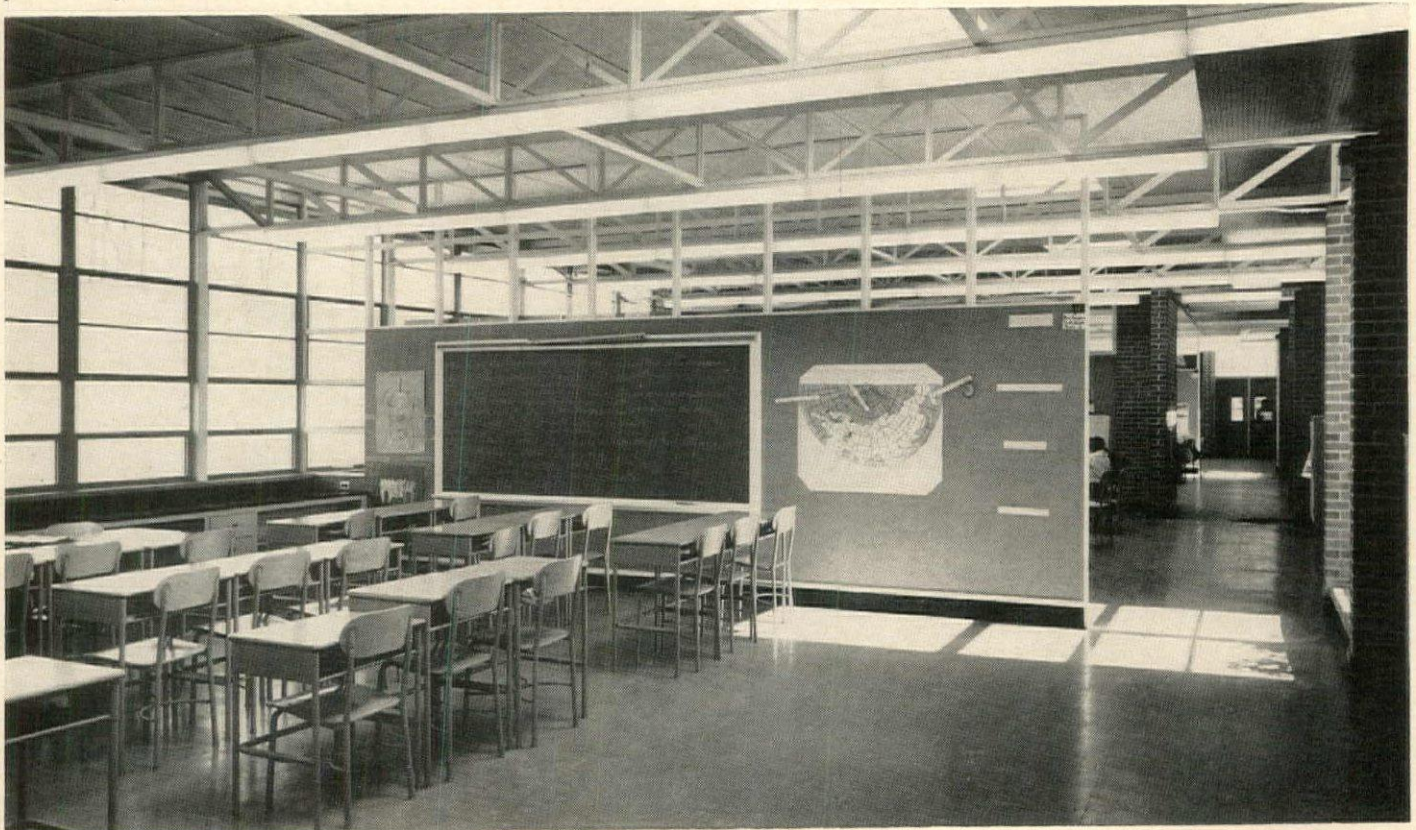
THIS BUILDING is the first to be completed under the \$8,000,000.00 school construction program for the City of Roanoke, the bond issue having been passed in March, 1958. The associated architects were Caudill, Rowlett & Scott, Houston, Texas, and Smithey & Boynton, Roanoke, Virginia. The mechanical and electrical engineers were Sowers, Knowles & Rodes of Roanoke. The project was built in two phases with the Days Construction Company of Salem, Virginia, as the general contractor for Phase I and with H. A. Lucas & Sons as the general contractor for Phase II which was completed in July, 1959.

The project is a one-story, campus type building with two parallel classroom wings with the window side of all classrooms facing directly north. The building includes eighteen classrooms, an administrative suite, a library and multi-purpose room with stage.

There are no interior corridors in the classroom wings, each classroom having a direct exterior entrance. The classrooms, however, are so interconnected that in inclement weather the pupils can reach a covered passage without going directly to the outdoors. The classrooms for the first and second grades have private toilets but the gang toilets for the rest of the school have

exterior entrances from the covered passages.

Each classroom is about 31' x 31' with exterior glass along the entire northern side and with three plastic dome skylights with bottom louvers through the roof near the southern side of each classroom in order to build up the natural light intensity in this area. Exposed long-span joists are spaced 8' on center and are supported on the window side on structural mullions. These joists support an exposed Insul-rock structural roof deck. The bottom of the joists are approximately 8' above the floor. The interior walls are exposed brick where the large areas of





chalkboards and tackboards do not occur. The wardrobe cabinets are movable on casters.

Food is served in each class room by the Meal-Pac system, the food being prepared in the kitchen of the Booker T. Washington H. S. about six blocks away.

The building is heated by a low-pressure steam system using unit ventilators in all instructional spaces with the steam being generated in an oil-fired boiler. Continuous fluorescent fixtures are mounted on the bottom of the exposed roof trusses.

All driveways and parking areas are nicely paved with curbs and gutters and the grounds are nicely landscaped.

The project cost \$419,464.00.

Participants in the school's two-phase construction: Days Construction Company, Salem and H. A. Lucas & Sons, Roanoke were the general contractors with the excavating, piling, foundations, concrete and masonry also being done by the respective general contractors. Steel was supplied by Roanoke Iron & Bridge Works, Roanoke and Insulrock roof deck by Hampshire Corporation also of Roanoke.

The roofing was by Valley Roofing Corporation and the windows and steel doors and bucks were supplied by Roanoke Engineering Sales Company both of Roanoke. Glazing was by Binswanger & Co. and by Pittsburgh Plate Glass Company, with J. W. Hundley Painting & Decorating and Dean Painting Company handling the painting. All are of Roanoke as are E. V. Poff & Son, Inc. who supplied the ceramic tile, Home Lumber Corporation who furnished the millwork and J. M. Murphy and Jarrett Electric Company who did the electrical work. The plumbing and heating were done by Lowe and Nelson of Roanoke and Roy E. Poff Plumbing Company of Salem.

Edwin Bateman Morris, Sr., representing the ceramic tile industry, has recently mailed members of the American Institute of Architects a 20 page folder of his sketches of San Francisco, site of the AIA annual meeting for 1960. Similar to other such brochures about meeting cities, it contains sketches of various points of interest to the architects who will begin gathering there on April 18.

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L'Pells, Inc., page 22.
Tri-County Bank, page 27.
St. Christopher's Gym, page 18.

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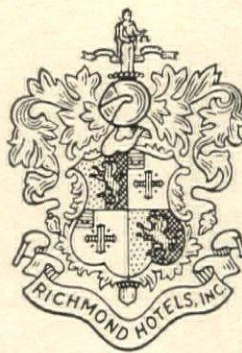
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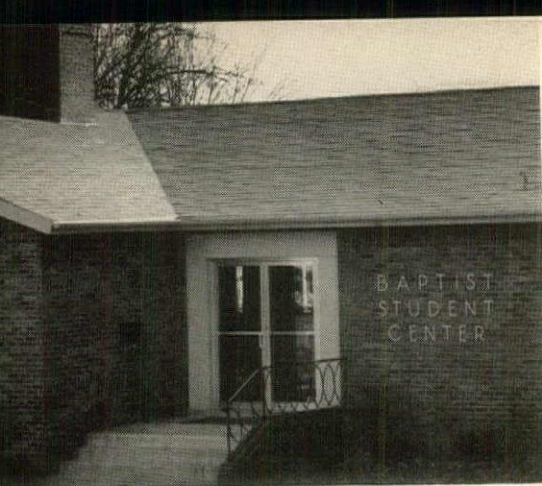
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ROANOKE, VIRGINIA



BAPTIST STUDENT CENTER CHARLOTTESVILLE

PAUL M. JOHNSON,
Architect

R. E. LEE & SON, INC.,
General Contractor

EARLY IN 1958 the Virginia Baptist Board of Missions and Education acquired a parcel of land on which to erect a new Baptist Student Center. The property is a corner lot located across the street from the University and the Colonial architecture there.

A building containing somewhat large areas with very positive relationships of one to the other was requested by the owners. The City of Charlottesville requires off-street vehicular parking areas in a quantity proportionate with the area of the room of largest assembly. The space necessary for parking, along with city required setbacks on the front and two sides, forced the design solution to a two floor building. The topography of the property lent itself well to the location of the main entrance and principal use areas on the upper floor, with toilet and recreation areas below, opening to a terrace and the parking in the rear.

An obligation was felt to select a design which would be compatible with that of the University. At the same

time, a building that would be as modern, maintenance free, efficient, and inviting as possible was necessary to encourage students to use and enjoy the new facilities.

A contemporary design was developed which keeps the front elevations in scale with the residential quality of Mr. Jefferson's buildings. The rear elevations open up with large window walls which allow as much natural light as desired in the lounges.

The plan solution provides on the upper floor two large connected lounges (28 x 40 feet and 24 x 37 feet), an office for the student director, a meditation room, a mimeographing and workshop area, and storage facilities. On the lower level are toilets, powder room, large recreation room (28 x 40 feet with an adjoining open kitchen), a large area for future completion to



be used for a library and council room, an exterior storage area, and other miscellaneous storage and utility rooms.

Exterior material selections are pastel wood mould brick, asbestos shingle roofing, and aluminum awning windows. Interior materials are painted block walls, fissured wood fiber acoustic tile ceilings and asphalt tile floors throughout the general use areas. The office and prayer room floors are carpeted. The toilet floors and wainscots are ceramic tile. The main lounge and the recreation room feature ceiling-high, brick fireplace walls.

Construction began in May, 1959. The building was occupied in November.

The general contractor supplied the foundations, structural wood and carpentry for the Center. Sub-contractors and material suppliers were: Anderson Excavating Co., Charlottesville, excavating; Allied Supply Corp., Charlottesville, concrete and masonry; Montague-Betts Co., Inc., Lynchburg, structural steel, steel doors and bucks and handrails; Virginia Steel Co., Inc., Richmond, steel joists; Frank Kerby & Sons, Waynesboro, roofing and waterproofing; Economy Cast Stone Co., Richmond, stone work; Roanoke Engineering Sales Co., Roanoke, windows; Pittsburgh Plate Glass, glazing; Clinton's Painting & Decorating, painting; Concrete Pipe & Products Co., Inc., spectra-glaze window stools; Manson &

Utley, Inc., insulation and acoustical; McLain T. O'Ferrall & Co., resilient tile; and Miller Manufacturing Co., Inc., millwork, all of Richmond. Oliva & Lazzari, Inc., ceramic tile; Godwin Electric Co., light fixtures, electrical work and ventilating; L. A. Lacy, plumbing fixtures and heating; Builders' Hardware Co., finish hardware; Hickey's Woodwork Shop, kitchen casework; The Burnet Co., landscaping, all of Charlottesville.

THE INTERIOR FURNISHINGS

WHEN REVERE FURNITURE and Equipment Company of Washington, D. C. was commissioned to decorate and furnish the main lounges, prayer room and offices of the new Baptist Student Center, the Virginia Baptist Board of Missions and Education, through its Director of Student Work, the Reverend William Jenkins, gave Revere explicit instructions to provide a "homey" atmosphere for students away from home and to use durable furniture of modern design.



The responsibility for carrying out these instructions was assigned to the assistant manager of its Design and Decorating Department, Hugh W. Dear who, to stimulate the neutral atmosphere of the two large lounges created by the medium shades of beige on walls and asphalt tile floors, selected a drapery fabric of good weight and soft texture—a modern abstract of trees in pleasing hues of charbrown, olive green, light beige, gold and orange imprinted on white.

This effect was furthered by the application of these same colors to the upholstered furniture and accessories. Before the wide brick fireplace is a group of sectional sofas done in a monotone of deep orange. Along the opposite wall, composed mostly of windows and glass panels, are four lounge chairs, two white and two turquoise Naugahyde, clustered about a large round coffee table. Against the short inside wall is a four-seat sofa upholstered in Aztec fabric with varigated stripes in brown tones with scattered streaks of black and flanked at each end by step lamp tables. Along the opposite long, outside wall is a love seat in light beige, a 3-seat sofa in charbrown, two identical pairs of lounge chairs done in sandalwood Naugahyde, two tables and a small piano. A three-place bench in beige and brown plastic and a TV stand complete the furnishings.

In the second lounge which opens off the main lounge in an L-shape, the arrangement of the furniture is quite flexible, creating a much more informal atmosphere. Here are five sofas rang-

ing from love seat to a 4-seater in length. Two are upholstered in solid gold color, two in charbrown and one in the Aztec varigated stripe. Nine occasional chairs are grouped informally about the sofas in pairs. Their Naugahyde covers in cinamon brown, olive green and coral also accent the basic colors. This room also contains a single pedestal writing desk.

The lamps for both lounges are divided into three groups of design and color patterns—again coordinating the fundamental colors of charbrown, olive

green, beige, gold and orange.

The prayer room is done in a soft, restful, shade of blue-green including carpet, walls and draperies while the office has yellow-beige walls, gold carpet and draperies, a green lounge chair and walnut executive desk.

All items of furniture and accessories represent the newest in manufacturers' designs. Fabrics for all sofas but two are of a special blend of sarra and nylon fibres. Wood finish throughout is dark walnut.

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Jennie Dean School, page 20.

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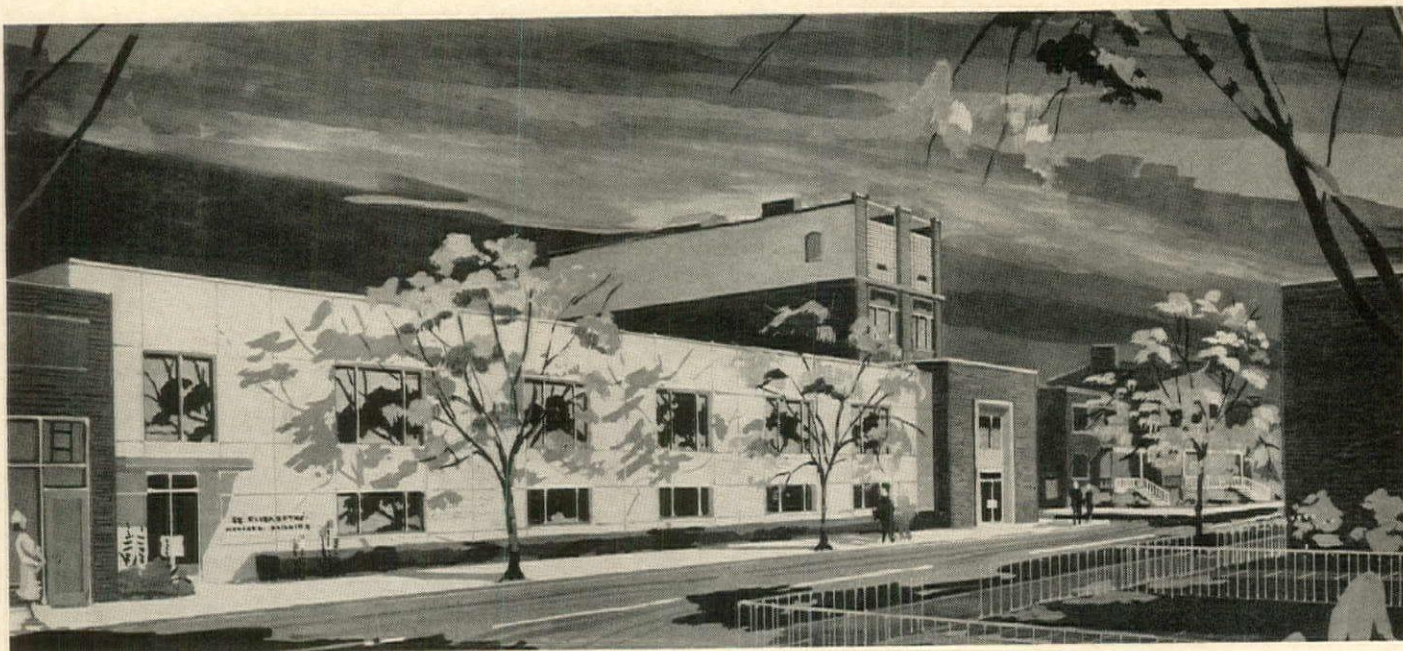
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ST. ELIZABETH'S MEDICAL BUILDING

MARCELLUS WRIGHT & SON,
Architect

DESIGNED BY Richmond architects Marcellus Wright and Son, this new addition to St. Elizabeth's Hospital in that city will stretch from the hospital east from 617 to 609 West Grace Street. Several residences now on this block will be razed to make room for the addition which will house 10 doctor's offices and

new examining rooms plus new service facilities for the hospital.

The addition will be two stories and should be completed by early 1961 at an estimated cost of \$300,000. Space will be provided for business and medical record offices, laboratories and a remodeled hospital kitchen. Living

quarters will also be provided within the new addition for internes and resident physicians.

Part of the project will be a new hospital parking lot in the 700 block of Grace street to the west. Combined with present facilities, this will accommodate 50 cars.

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BELMONT METHODIST CHURCH

G. RICHARD BROWN, Architect

THOMAS W. SMITH, Mechanical Engineer

WM. T. ST. CLAIR, Electrical Engineer

METROPOLITAN CONSTRUCTION CORP., General Contractor

DURING THE TIME of planning for a new church building to house the congregation, the members of Belmont Methodist Church were conducting their worship services and church school program in the basement of the parsonage. A piece of property had been acquired on which to build the proposed building; however, the new piece of property was located adjacent to a large, well established church of a different denomination, the design of which was modified colonial.

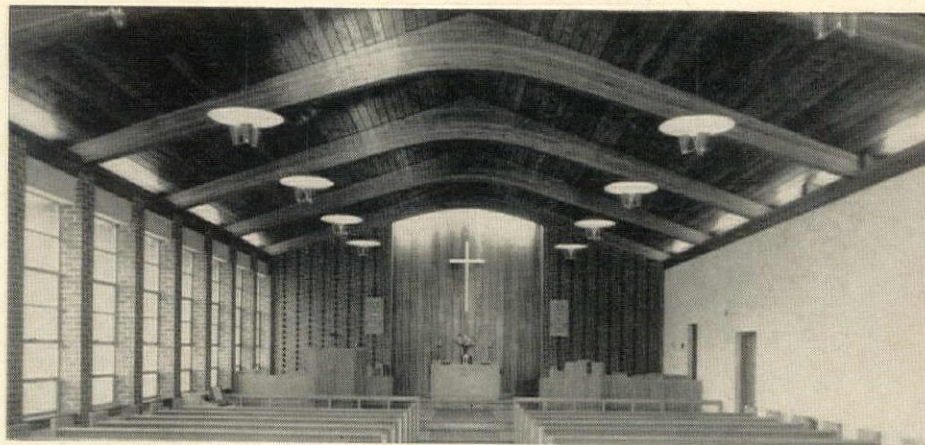
The building committee desired that a building be designed that would not look as if it were a part of, nor an extension of the larger church, but would reflect a separate denomination and worship center. The resulting design, modified contemporary, was the result of the contrast desired and yet did not reflect a radical departure from the accepted standard in the Richmond area.

A strict budget also dictated simplicity of design, detail and construction. Interest and warmth of design was achieved in the Sanctuary by the use of exposed brick-work on the win-

dow walls, patterned brickwork back of the Chancel area, contrasting yet blending with the redwood paneling back of the altar. Exposed laminated wood beams with cedar decking was used to extend the feeling of warmth and pattern in the ceiling area.

Consulting engineers for the Belmont Methodist Church project were Thomas W. Smith, mechanical, and William T. St. Clair, structural. The architect acted as the interior designer. The general contractor performed the excavating, foundation, and carpentry

work. Southern Materials supplied the concrete. The brickwork was by McAllister Brick Contractors. Ross Iron Works supplied the hand rails and steel. The wood roof deck and structural wood was by Timber Structures, Inc. of Ramsey, N. J. Other principal sub-contractors included:—N. W. Martin, roofing; Economy Cast Stone Co., stonework; Superior Window Co., of Miami, Fla., windows; Barden & Sons, painting; Weiler & Co., insulation; C. B. Smith, acoustical and resilient tile; Douglas & Co., plaster; General Tile & Marble Co., ceramic tile; Miller Manufacturing Co., millwork; Roanoke Engineering Co., steel bucks; Oliver Brothers, electrical work; Southern Contractors, Inc., of Petersburg, the plumbing, heating, air conditioning and ventilating.



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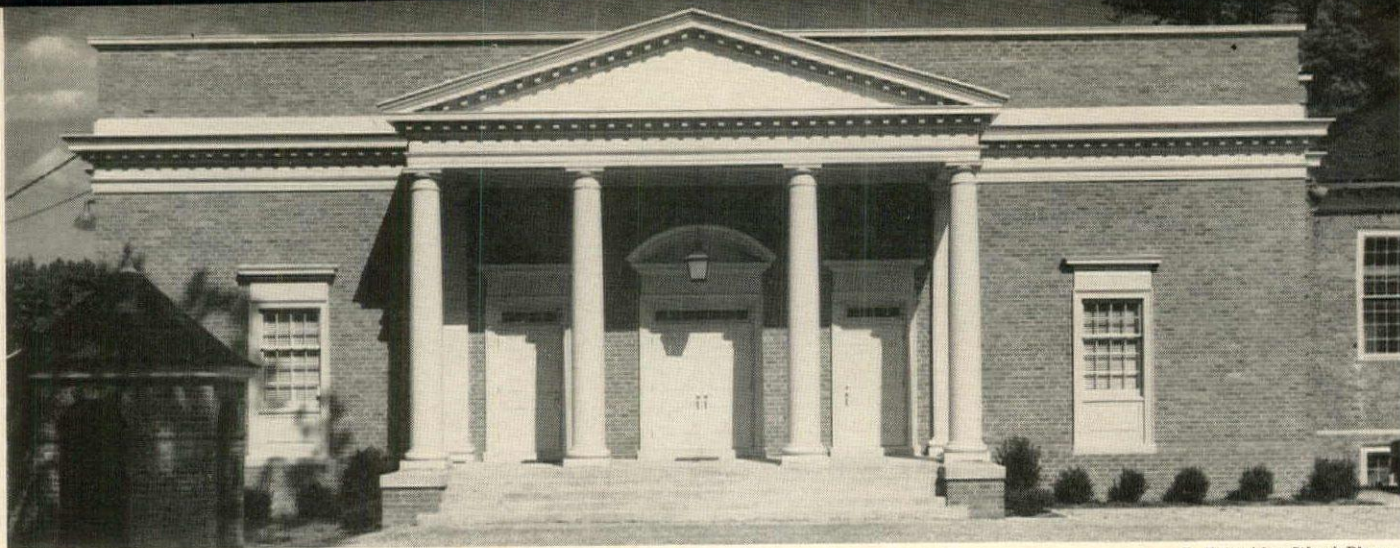
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ST. CHRISTOPHER'S SCHOOL GYMNASIUM RICHMOND

BASKERVILL & SON, HANKINS & ANDERSON,
Architects and Consulting Engineers

TAYLOR & PARRISH, INC.,
General Contractor

THIS GYMNASIUM is the first building to be erected in accordance with an adopted Master Plan for the entire school. It will be the focal point of the main north-south axis opposite the entrance from Henri Road.

One of the problems arising from placing the building in this location was its attachment to an existing Gymnasium Building on the east having a large hipped roof, and plans for a future similar appearing building to be erected on the west.

A rigid steel frame of four bents spans the main gymnasium which is on the upper floor and which accommodates one large regulation basketball court or two smaller practice courts. Folding bleachers on the east and west walls will seat 832 spectators.

The pitched roof is concealed behind a brick parapet and is studded with plastic skylights which give good daylight illumination to the playing floor.

At the front of the building is a foyer with an office and public toilets. An equipment storage room is provided at the rear of the building as well as two large stair wells which connect to the playing fields at the rear of the building and to the locker, shower and toilet rooms in the basement.

The basement also houses a large exercise and wrestling room, a rubbing room and supply and storage rooms.

The bricks were selected to harmonize with those of the present connecting structure. The classic character also harmonizes architecturally with the adjoining building as well as with that of the present main classroom and administration building, which in the future will be the focal point of an east-west axis.

Principle sub-contractors and material suppliers were: P. E. Eubank & Company, excavating; Southern Materials Co., Inc., concrete; Southern Brick Contractors, Inc., masonry; Bowker & Roden, Inc., reinforcing steel; Roof Engineering Corporation, Norfolk, metal roof deck and steel joists; N. W. Martin & Bros., Inc., roofing and tectum roof deck; Empire Granite Corp., stone work; Virginia Steel Co., Inc., (Truscon) windows; Tom Jones Hardware Co., Inc., finish hardware; J. S. Archer Company, rolling steel doors and midget slat door; W. H. Stovall & Company, Inc., metal toilet partitions; Western Wire & Iron Works, aluminum window wire guards; The Staley Company, aluminum louvers and hollow metal doors and frames; Interior Steel Equipment Co., lockers; Binswanger & Company, Inc.,

glazing and glass; James A. Hill, Inc., painting; Liphart Steel Co., Inc., structural steel; Brisk Waterproofing Co., Inc., waterproofing; E. S. Chappell Co., Inc., weatherstripping; Jones Brothers, plaster; General Tile & Marble Co., Inc., ceramic tile; Hampshire Corporation, resilient tile; Cairns & Major, installation of gymnasium floor; H. Beckstoffer's Sons, millwork; Lang & Rabe, Inc., electrical work; W. W. White, Sr., plumbing, heating and ventilating; Richmond Paving Service, Inc., paving; Virginia Steel Co., Inc., (Milcor) access panels. Suppliers of special equipment included: American Laundry Machinery Co., New York, N. Y., laundry equipment; Brownson Equipment Co., basketball backstops and bleachers.

All of the above are Richmond firms, unless otherwise noted.



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Architects

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activities. A total of 65 parking spaces are provided.

An effort has been made by the architects in the plant layout to avoid any cross traffic or use interference between the elementary and high school levels of pupil activity.

The latest in modern materials have been used in the addition with the ever present "future maintenance" kept in mind by the architects. Acoustical metal roof decks have been used throughout the classroom wings and the gymnasium and are a feature of the building.

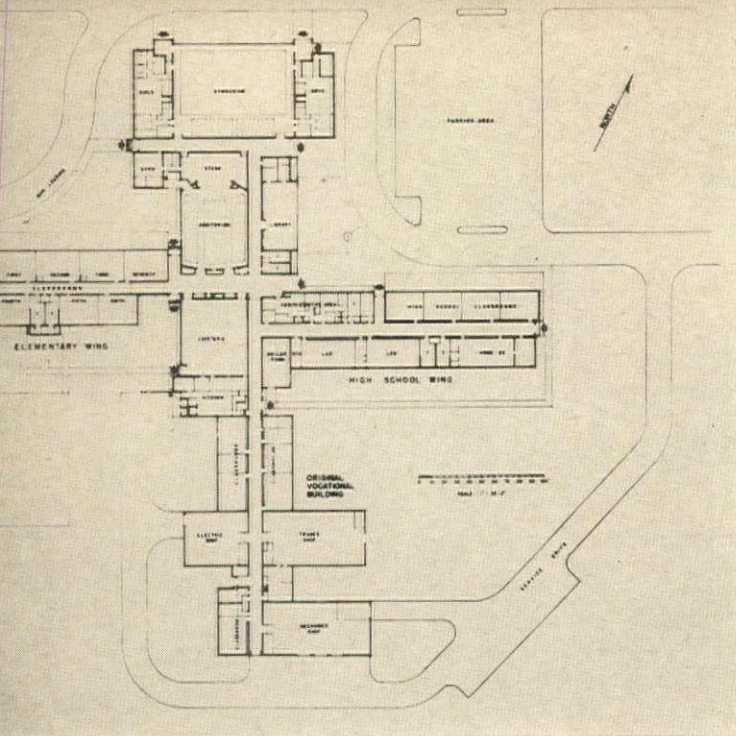
The addition, parking and play areas were built at a cost of approximately \$760,000 by the firm of Graham Brothers, General Contractors, of Richmond.

Mr. Stuart M. Beville is Division Superintendent of Prince William County schools and Mr. John F. Pattie is Chairman of the Prince William County School Board.

The General Contractor did the excavating, foundation, concrete, carpentry, plaster and weatherstripping work. Principal sub-contractors and material suppliers included: L. F. Jennings, Inc., Falls Church, masonry and structural tile; Montague-Betts, Inc., ornamental and structural steel, steel doors and bucks, handrails and toilet stall doors. The steel roof deck was from R. C. Mahon, of Detroit, who also supplied the window walls. Perrin & Martin, of Arlington did the roofing. Economy Cast Stone Co. did the stone work. Truscon Steel supplied windows, steel joists and long span joists. Glazing was by Pittsburgh Plate Glass Co.

Painting for the project was by Manassas Decorators, Inc., of Manassas. W. Morton Northen supplied the plastic wall finish, acoustical material and resilient tile. The Harry J. O'Meara

(Turn to page 45)



THE NEW consolidated high and elementary school at Manassas, in Prince William county, was designed by Ballou and Justice, Architects-Engineers, of Richmond.

Jennie Dean High and Elementary School, as it will now be known, is the culmination of work begun at the turn of the century by Jennie Dean, a then local resident and founder of the Manassas Industrial School for Negroes, on the same site. It was through her efforts, in contacting and soliciting aid and contributions from various philanthropists, that the establishment of the school was made possible.

The name was later changed to Manassas Regional School, since pupils attended from other counties, and has only recently become a school mainly for Prince William county children.

In 1949 a new building was built on the property which contained shops of all types, classrooms and special trade areas. The newly completed addition was begun in the fall of 1958 and opened for pupils in the fall of 1959. All facilities were completed in January of 1960.

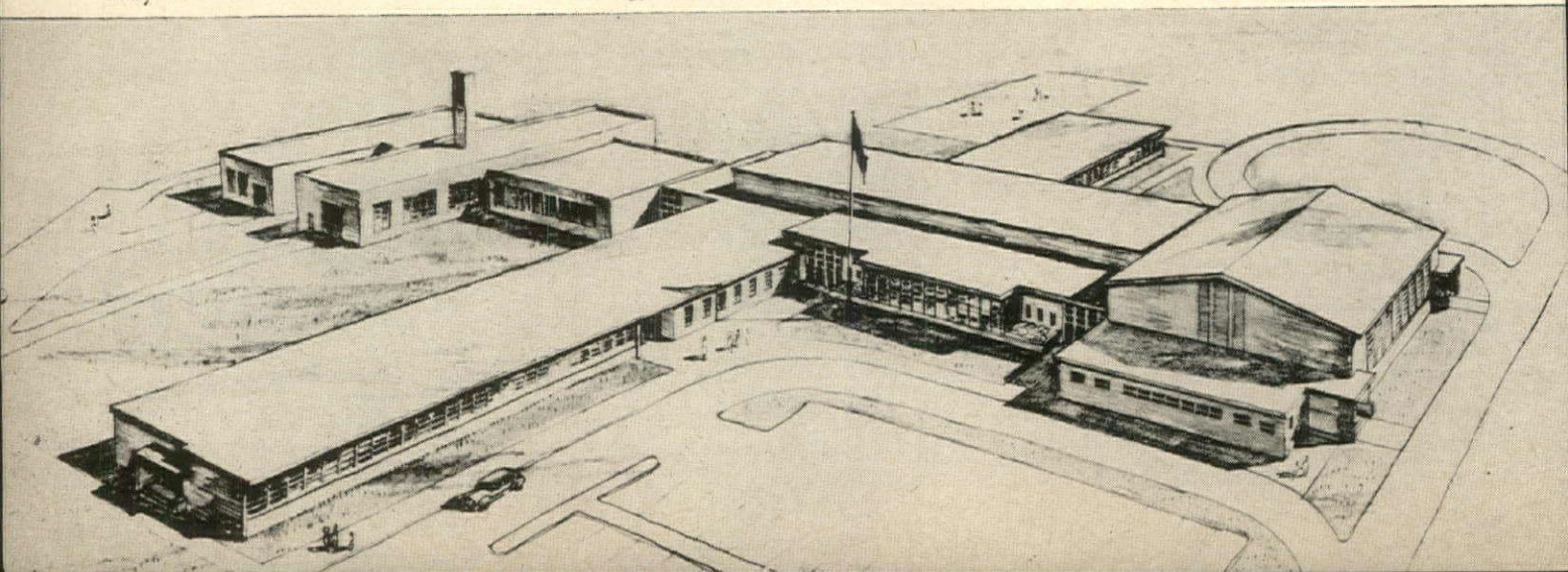
The new addition contains two well separated wings, one for elementary pupils and the other for high school pupils. The high school wing also provides for science, general science, home economics laboratories and the administrative suite.

Adjacent to the existing athletic field is a high school size basketball court gymnasium, with folding bleachers to accommodate over three hundred spectators. Music and band practice rooms are located with a thought toward not disturbing other activities. The modern auditorium will seat four hundred and fifty with an ample size stage for all dramatic events for the community.

A large, well equipped library is located in such a manner as to be convenient to both elementary and high school students.

A newly equipped kitchen and cafeteria will seat two hundred and fifty and is so arranged that it may be used by elementary or high school groups separately without interference.

Parking is available to either the school proper or the auditorium and the gymnasium for the extra-curricular



RIVERSIDE HOSPITAL

WILLIAMS, COILE & BLANCHARD AND ASSOCIATES
Architects



THE INSTRUCTIONS to the architects from the Planning Committee of the Board of Directors of Riverside Hospital were direct, simple and purposeful—*"To provide design of plant and equipment for the most effective scientific care and successful ministration to patients"*—a broad and powerful directive. Community and local needs having been established by intensive study and survey, the detail program of facilities to be provided was developed in cooperation with the Administrator and Staff by the very competent Hospital Consultant, Mr. Otis Auer. Then with the first objective of immediate care for the patient as paramount, many comprehensive studies were critically analysed by the architects to plan efficiently the second objective, vital to the success of the first, and which includes the adjunct services, proper utilization of employees and facilities, education and research, good will, out-patient service and other general community welfare activities.

In this seven story air conditioned structure, with planned accommodations for 351 beds and service facilities for expanding the maximum capacity to 459 beds, more than 30% of the gross floor area is on the first floor. Services employing the greatest number of personnel and the greatest volume of supplies, have been centralized on the low level to minimize vertical transportation. Services requiring easy public access, emergency access, outdoor use by patients and centralized supervision also share this convenient floor. Areas constituting heavy building loads are near the ground while the long runs of mechanical equipment are shortened by the first floor location. The multi-use of physical medicine facilities by

psychiatric patients, ambulatory in-patients and out-patients and the development of these departments around the emergency section accomplishes an extreme flexibility of operation during periods of disaster when this entire portion of the first floor may be opened to meet hectic emergency requirements. Staff dining and food service for the entire hospital is handled on the first floor level.

The second floor is allocated completely to maternity service facilities. The labor and delivery suite, immediately over the surgical suite, is planned with circulation pattern permitting patients to enter labor rooms without crossing traffic within the delivery section. The same pattern permits expectant fathers to visit the labor bed free of interference to operations and at the same time all labor beds are visible for supervision from the nurses' station.

The nursery has been designed as a consolidated unit, centrally located on the maternity floor. Its relatively close proximity to the maternity bed rooms saves many valuable nursing steps in the several daily trips which must be made to and from the mother. Set up as a unit within itself, all services relating to the nurseries may be performed in an isolated area of maximum cleanliness with a minimum danger of infection as a result of traffic and personnel entering the area from the rest of the hospital.

Medical and surgical patients in critical condition and requiring intensive care or constant service are assigned a wing on the fourth floor which has been especially equipped and arranged for immediate nursing service with direct access to special apparatus

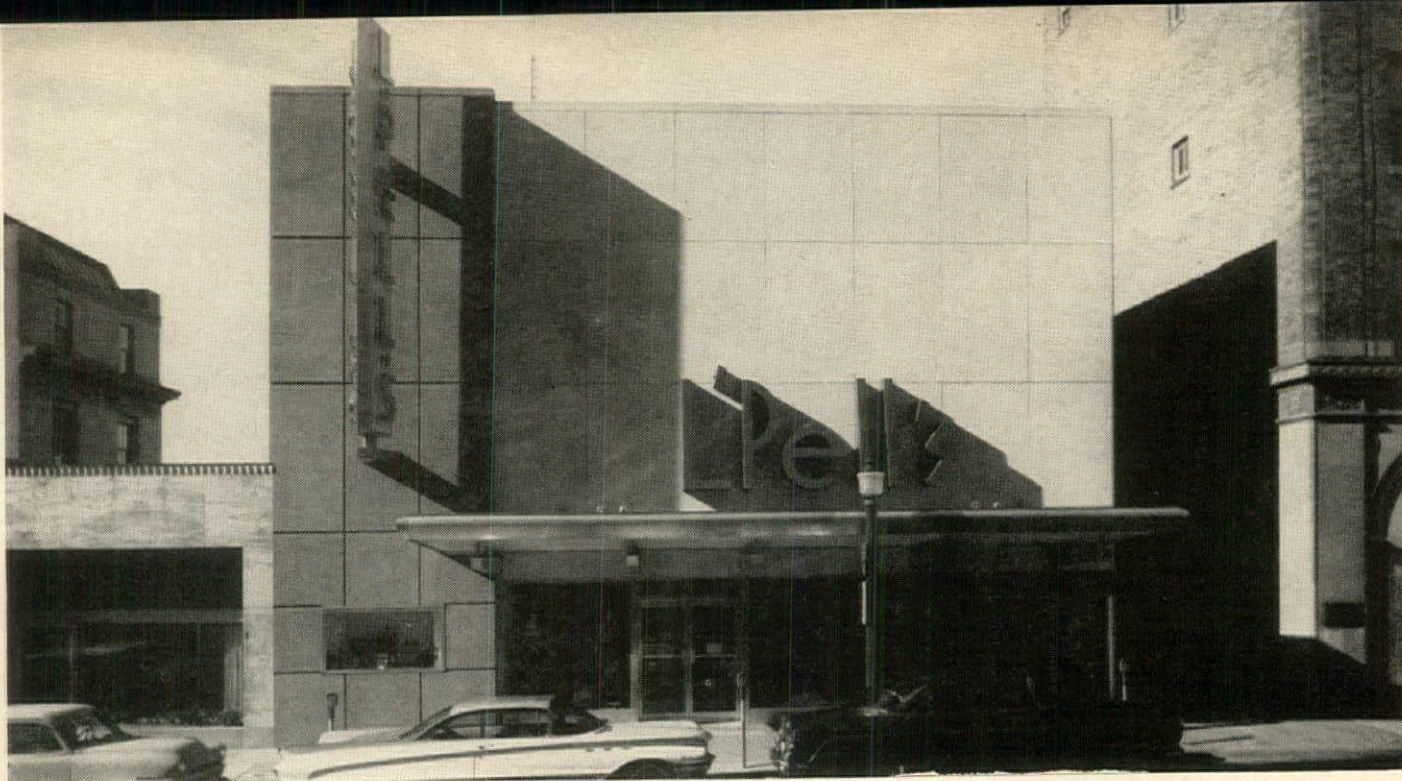
for critical cases of all types. The plan provides a family waiting room, communicating with a special conference room and a private peripheral corridor for visiting each bed in privacy and out of the unpleasant sight and disturbance of other severely ill patients.

Patient's rooms in medical and surgical nursing units have been clustered about two central cores of nursing service conveniences on each floor. With a maximum of 34 beds per nursing unit, each bed is attended with a minimum travel distance, thus increasing efficiency of nursing service to the patient while, by stacking these utility spaces, construction cost of the mechanical installations is reduced to a minimum.

The ultimate in electronic signal, communication and alarm systems will speed service and furnish maximum protection and with standby emergency lighting system in this fireproof structure, complete safety measures are assured. Piped oxygen, suction to most beds, are among the many mechanical innovations included.

Facing, generally, on Clyde Morris Boulevard, the direction with maximum exposure most favorable for air conditioning, the building is situated generally in the center of its 25 acre plot. The location has been selected to permit expansion in all directions, provide generous parking areas well related to their respective use assignments and allow for the construction of a proper structure for nurses training school and residence, expanded wings to the hospital, recreation areas, and other possible developments at a future date. Native woods and beautiful Lake Maury will surround the buildings located within the large, handsomely landscaped and well maintained grounds of the Mariners Museum, insuring against any possible undesirable development within considerable distance.

The third objective, essential to the fruition of the first two, has been the architect's challenge to plan the complex structure of sound materials in its simplest compact form and to achieve minimum construction cost consistent with permanency and low operational and maintenance expenditures. With these three prime objectives, the fourth and no less important goal was the objective of treating the functional mass of the building in well proportioned, pure, light, airy and wholesome architectural simplicity, defining a structure expressive of its purpose, inspiring to all who work within, with an atmosphere comforting to the patients, and a land mark of proud community appreciation.



L'Pell's, Inc.

RICHMOND

J. HENLEY WALKER, JR., Architect
 A. LAXTON GRIFFEY, JR., Consulting Architect
 THOMAS W. SMITH, Consulting Engineer, Mechanical
 LEO T. GRIFFIN, Consulting Engineer, Electrical
 CHARLES GORDON, Baltimore, Md., Interior Designer
 THORINGTON CONSTRUCTION CO., General Contractor

A REMODELING PROJECT on a 3 story plus basement rectangular building 50 x 120 feet. The new facing is cast stone and masonry. Plaster was used for interior walls, built up roofing, wood windows, vinyl and asphalt tile flooring and carpet.

The general contractor also did the concrete work, carpentry, paneling, and plumbing. Southern Brick Contractors did the masonry work. Cruickshanks Iron Works Co. supplied the

steel. Economy Cast Stone Co. furnished the cast stone facing while the windows and store fronts were by Binswanger, who also did the glazing. General Tile Co. did the structural and ceramic tile work. E. B. Smith Co. did the acoustical work. John A. Milton & Bros. did the plastering. Linoleum Specialty Co. did the resilient flooring. Millwork was by the Miller Manufacturing Co. Lighting fixtures were from A. E. Allen. Northside Electric Co. did

the electrical work. Air conditioning and heating was by Carle-Boehling Co. William E. Sadler Jr. did the ventilating work. W. W. Moore & Son installed the elevator. The sprinkler system was by Crawford and the burglar and fire alarm system was from Audio-Graphic. Colonial Fixture Co. did the mezzanine treatment while the other fixtures were from Modern Millwork. All firms are of Richmond unless otherwise noted.

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Featured on Page 12 of This Issue.



La Vogue and Punch 'n Judy NEWPORT NEWS

WILLIAMS, COILE & BLANCHARD AND ASSOCIATES
Architects

HARWOOD CONSTRUCTION CO.
General Contractors

GEORGE SCHARTZ
Interior Designer

THE GENERAL CONTRACTOR supplied excavation, foundations, concrete, roof deck, carpentry, paneling, waterproofing, weatherstripping and insulation. Other sub-contractors and material suppliers included: Robert Hedrick, Newport News, masonry; Globe Iron Construction Co., Norfolk, steel;

Eastern Lift Slab, Inc., Richmond, lift slab; O. J. Brittingham Co., Newport News, roofing; Binswanger & Co., Inc., Richmond, windows, window walls and glazing; Hurley J. Shaw, Jr., Newport News, painting; A. D. Stowe, Portsmouth, plaster; Ajax Tile & Marble Corp., Norfolk, ceramic tile and ter-

razzo; Southeastern Tile & Rug Co., Inc., Newport News, resilient tile; Waterfront Lumber & Shipceiling Corp., Newport News, millwork; Perry Electric Co., Newport News, electrical work; W. H. Martin Co., Newport News, plumbing, plumbing fixtures, air conditioning, heating and ventilating.

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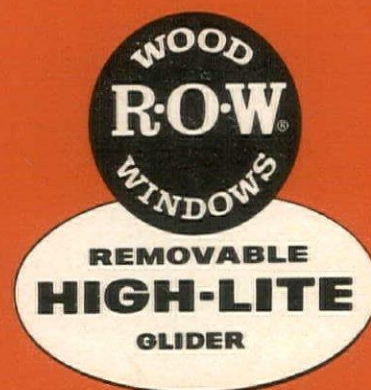
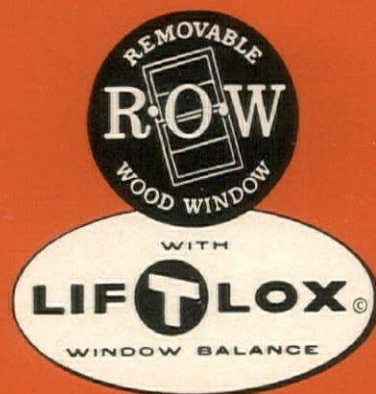


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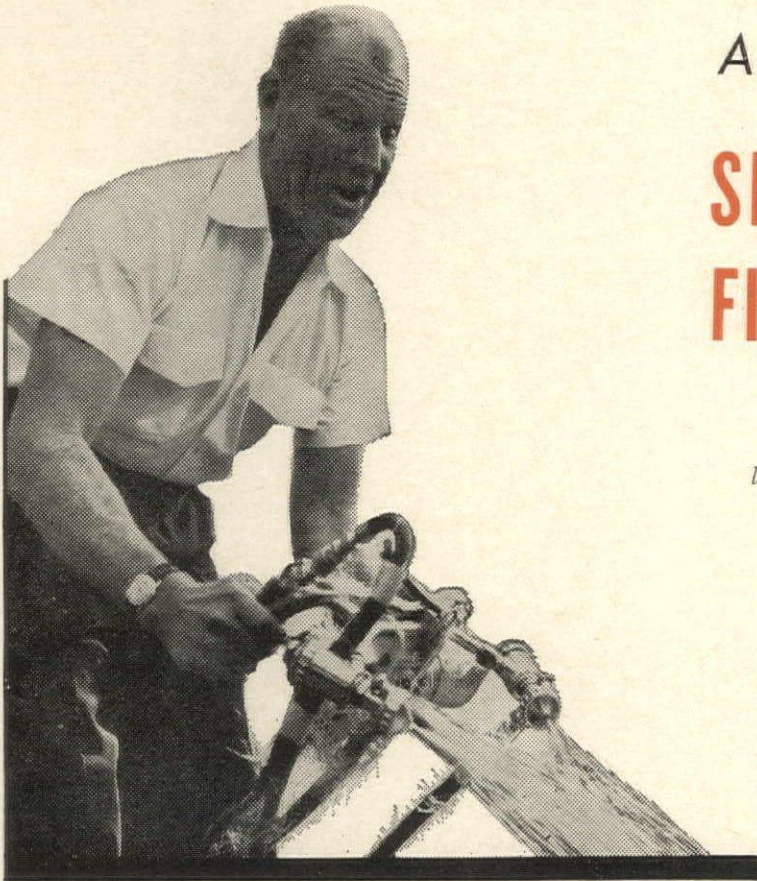
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EASTERN SHORE CITIZENS BANK ONANCOCK

THE EASTERN SHORE Citizen's Bank occupied their new bank building in March, 1959, which consisted of over 5,400 square feet of floor space of which 3,500 square feet was on the first floor. Construction consisted of face brick and masonry block exterior walls and masonry block interior partitions. All masonry block walls and partitions were plastered. Open web steel joist were used to support the gypsum plank roof deck construction. Acoustical plaster was used as a ceiling finish in all office and lobby areas.

Terrazzo was used for the floor of the main banking area, and vinyl tile was used for the remainder of the office areas.

The entire lot, except for a lawn area and shrubs on the north side of

BEN R. JOHNS, JR.
Architect

ROACHE & MERCER
Consulting Mechanical Engineers

PATRICK D. WIDGEN
General Contractor

the building, received a bituminous surfacing in order that parking for the employees and access to the drive-in teller facility was possible.

The general contractor supplied the foundations, masonry, carpentry, painting and acoustical plaster. Other subcontractors and material suppliers included Montague - Betts Company, Lynchburg, structural steel and finish hardware; Virginia Steel Company, steel bar joist; Hall-Hodges Company, Norfolk, reinforcing steel; The Staley

Company, steel windows, steel doors and frames; Andco Products, Greensboro, North Carolina, aluminum letters; Goslee Roofing & Sheet Metal Company, Salisbury, Md., built-up roofing; Economy Cast Stone Company, Richmond, cast stone work; Hankins and Johann, Richmond, aluminum entrance work; Best-wall Certain-teed Sales Corp., Norfolk, gypsum plank roof deck; Pittsburgh Plate Glass Company, aluminum fascia; Ajax Tile and Marble Corp., Norfolk, terrazzo work; Ashby Bros., Nassawadox, Virginia, installed the plumbing, heating and air conditioning; E. D. Ransone, Jr., Onancock, Virginia, concrete; Grover L. White, Inc., Norfolk, ceramic tile; W. E. Flannagan, Exmore, Virginia, electrical work.

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NEW HOME FOR

THE TRI-COUNTY BANK

J. ALBERT HEISLER
Architect

TORRENCE & DREELIN
Consulting Structural Engineers

THORINGTON CONSTRUCTION CO., INC.
General Contractor

REALIZING the need for better, more modern banking facilities and methods, and with a sincere desire to better serve its rural community, the Board of Directors of the Tri-County Bank at Mechanicsville, under the able leadership of its President, Mr. Stuart A. Oliver, took upon itself the task of meeting this challenge.

In August, 1956, J. Albert Heisler, Richmond Architect, was employed to work with the Board and Officers of the bank to accomplish this goal. Through their cooperative efforts we find today a pleasing, contemporary structure with an air of friendliness and intense appeal, reflecting the aggressiveness of the bank and people who serve this county.

The building was designed with two primary objectives in mind, one of service to the public and the other of efficient operation.

To better serve the public, all of the facilities which might be found in our progressive urban banks were provided, such as ample parking, drive-in windows, night depository, and a modern vault. In addition, a large Board and Conference Room is available to the patrons of the bank for corporate and civic functions.



The movement of personnel in their duties to serve the public was studied by the Architect to provide efficient operation and service.

A harmonious blend of color and materials add a quality of friendliness so important to the rural bank.

To add an additional service, the bank stays open on Saturdays and the public shows its appreciation by its patronage at that time.

Our congratulations are extended to the personnel and management of the Tri-County Bank of Mechanicsville for their service to the rural county of Hanover.

Principle sub-contractors and material suppliers were: Southern Materials Co., Inc., concrete; W. D. Duke, Inc., masonry; Ross Iron Works, Inc. and Virginia Steel Co., Inc., steel; N.

W. Martin & Bros., Inc., roofing; Economy Cast Stone Co., stone work; Roanoke Engineering Sales Co., Roanoke, Va., windows (aluminum) and steel doors and bucks; Pleasants Hardware Co., hardware; Binswanger & Company, Inc., glazing; James H. Hill, Inc., painting; E. S. Chappell Co., Inc., weatherstripping; James G. Rose Company, insulation; Stowe & Denton, plaster; General Tile & Marble Co., Inc., terrazzo and ceramic tile; R. A. Siewers, Inc., millwork and handrails; Union Electric Co., Inc., lighting fixtures and electrical work; Leslie G. Marr, plumbing and plumbing fixtures; Hungerford, Inc., heating, air conditioning and ventilating; Herring-Hall-Marvin Safe Agency, vault door, night depository and drive-in windows; Talley Neon, stainless steel letters.

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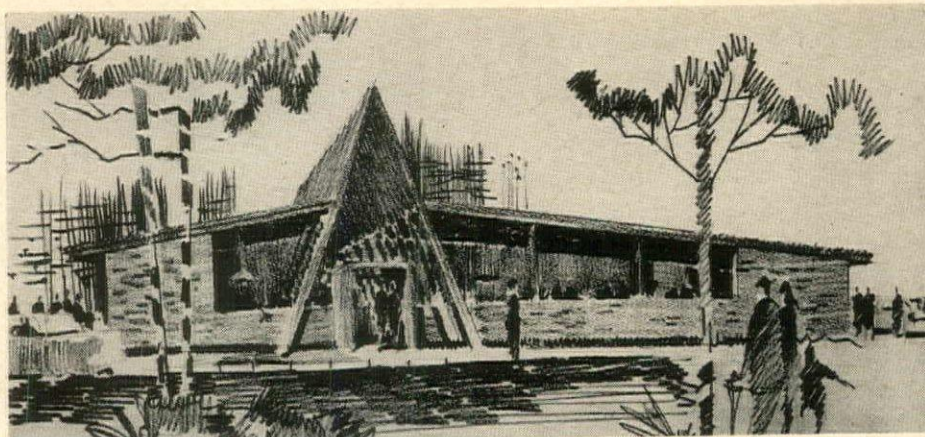
ROANOKE, VIRGINIA

SHONEY'S BIG BOY RESTAURANT

ROANOKE

J. GARRY CLAY
Architect

SOWERS, RODES & WHITESCARVER
Consulting Engineers



THE NEWEST HOME of the Shoney's Big Boy will be opened in early March, 1960. The opening of this Restaurant, designed by J. Garry Clay, A.I.A., of Roanoke, Va., will increase the number of restaurants in this chain which is owned and operated by Leonard Goldstein, Roanoke, Va., to four, with this new building serving as commissary or store house for the other three.

The building will consist of table and booth seating, counter space and drive-

in facilities. Exterior wall will be constructed of concrete block in repeat pattern which will be painted. Interior wall surfaces will be covered with Curtis Wright "Curon" acoustical wall tile. The main feature of the building is a raised portion of the roof which encloses a charcoal grill and ornamental exhaust hood; this portion of roof will be covered with aluminum siding in pattern. Low roof will consist of steel joist and roof deck covered with white marble chips.

This all electric building will be engineered in all phases, Mechanical, Electrical, Heating, Plumbing and Air Conditioning by Sowers, Rodes and Whitescarver, Consulting Engineers, Roanoke, Va.

Every inch of space is designed with purpose of providing more and better service for Shoney's customers. The Commissary will also consist of a modern bakery. Parking will be provided for approximately 70 cars with forty spaces reserved for "Teletray" service.

APPLICATION OF HEAT PUMPS IN CHURCH CONSTRUCTION

By JAMES M. TYLER, III

Commercial Engineer, Virginia Electric & Power Company

IN RECENT YEARS, the heat pump, the single machine that heats in the winter and cools in the summer, has found its way into many new building projects. In Northern Virginia, one of the most practical and at the same time least obvious applications for heat pumps has been new church construction.

In this fast growing area, the decision to use heat pumps in churches is based on the many advantages of heat pumps over conventional heating and cooling systems. One such church application now under construction is the Fair-Park Baptist Church of Alexandria. This \$200,000 structure which includes a 500 seat sanctuary, some classroom facilities, and church office space will utilize 9-5 ton International heat pumps and 1-3 ton pump.

The most important single factor which influenced the use of heat pumps was first cost. As most churches considering new facilities, Fair-Park was operating on a limited budget, which according to the engineering firm of Shefferman and Biegelson, would not allow conventional cooling. After thorough

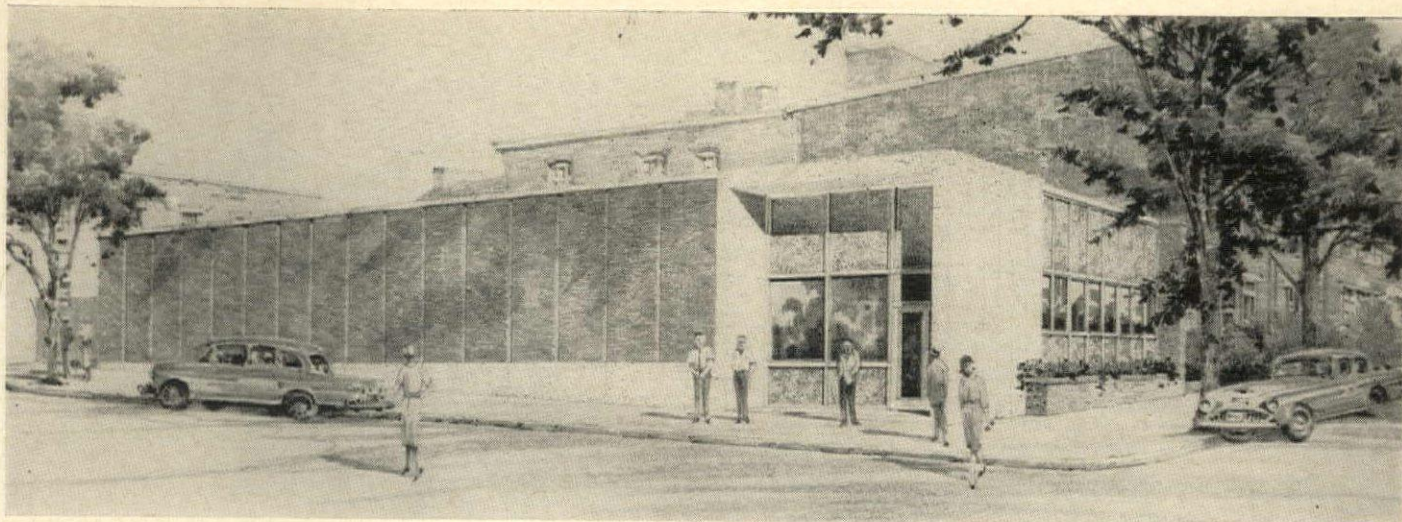
investigation on the part of the engineers and building committee of the church, it was concluded that the estimated \$20,000 for heat pumps could be met under this budget, whereas the \$30,000 estimate for conventional heating and cooling would mean deferring cooling to a later date.

Earlier, the architect, Joseph Saunders and Associates, in determining the basic design for this building had concluded that for best land utilization a building of contemporary or modern design would be most feasible. This raised the problem of how best to heat and cool the building without having unsightly appendages, such as chimneys and water cooling towers. Since heat pumps do not require either and can be installed using a minimum of floor space, they were a natural choice.

The architect further selected heat pumps because, as in most church construction, this project was to be accomplished in stages. Pumps do not require that special expansion facilities be provided for the units can be placed at the point of use in subsequent stages of construction.

Another important consideration was simplicity of operation not requiring full time maintenance personnel. To further facilitate ease of operation, the installer, McCrea Engineering Company, under the direction of Mr. Grant, designed a control cabinet, the essence of simplicity, which has four switches on its face marked "system switch fan", "day-night switch", "heat pumps", and "auxiliary heaters." All four switches in the "on" position allow fully automatic operation. At the same time fans only may be operated, auxiliary heaters may be disconnected, daytime operation only can be had, heat pumps only may be operated, or any combination can be used. This unique operating system is possible by the use of a motor operated step control which actuates the pumps in three stages as heat is required. The first stage calls for the operation of three pumps, the second for the operation of two or more, and the third for the operation of the last two pumps. On the sanctuary system alone, the cooling cycle of the pumps is controlled similarly. The remaining pumps for office space and classroom space are controlled by individual thermostats.

Operating cost for heat pumps were compared with other facilities and found to be competitive, and maintenance cost would encompass only routine filter changes and equipment checks.



SKULL & BONES RESTAURANT

THE NEW Skull & Bones Restaurant in the Medical College of Virginia area designed by Carl M. Lindner & Son. Now under construction, the building will be located at 12th and Marshall streets at the hub of MCV activity. 106 feet by 54 feet, it will be faced with brick and Mo-Sai and have Tec Fab window wall units. Interior partitions will be of brick and of plaster. The floors will be terrazzo. Mathew J. Thompson, III, of Warwick, was the Mechanical Engineering Consultant. R. C. M. Calvert and R. Cooper Bailey were the Electrical Engineering Consultants while Torrence & Dreelin and Associates were the Structural Engineering Consultants.

General Contractor for the project is Walder & Flournoy, Inc. Plumbing, heating and ventilating are by Hungerford, Inc. United Electric Corp. is the electrical sub-contractor. Masonry work is being done by Southern Brick Contractors, Inc. Economy Cast Stone Co. is supplying the cast stone work

while the Tec Fab window walls are being obtained through Eastern Builders Supply Co., Inc.

Montague-Betts Co., Inc., is supplying the structural and misc. steel as well as the steel joists and steel deck. Roofing and sheet metal work will be done by R. P. Whitley Roofing Co. Tile and terrazzo is by General Tile

and Marble Co., Inc. J. C. Hungerford will do the painting. W. Morton Northen & Co., Inc. will supply the acoustical treatment. Finish hardware is being supplied by the H. A. Pleasants Hardware Co. Metal doors and frames will be supplied by the Staley Co. All firms are from Richmond.



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Roofing Contractors for the
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Featured on page 26.

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"Eternal vigilance is the price of liberty."

—Thomas Jefferson—

In the historic land served by Virginia Electric and Power Company, this warning is not easy to forget. On every hand, contrasted with the landmarks of this progressive, growing area, are the monuments to America's unending fight for freedom.

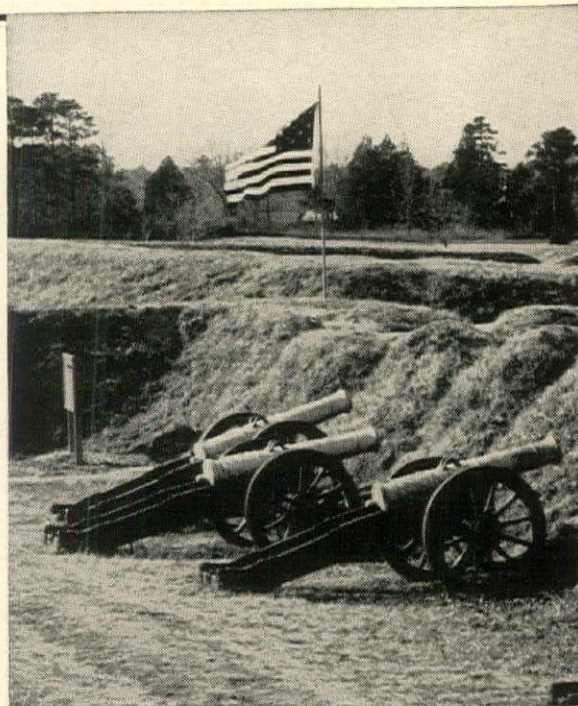
But freedom cannot be preserved in stone or defended by monuments. Freedom must exist in the heart of the individual. It must be championed by the living.

The freedom to build . . . to create . . . to grow as free *individuals* in a *free* nation is our priceless heritage from the past. Its cost is our eternal vigilance.



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Pink Flowering Dogwoods
White Flowering Dogwoods
Flowering Cherries

Flowering Crabs
Redbuds
Hawthorns

SHADE TREES

Birch, European White
Birch, Cut-leaf Weeping
Gum, Sweet
Honey Locust, Thornless
Kentucky Coffee Tree

Cardinal Redleaf Maple
Norway Maple
Sugar Maple
Pin Oak
Weeping Willow

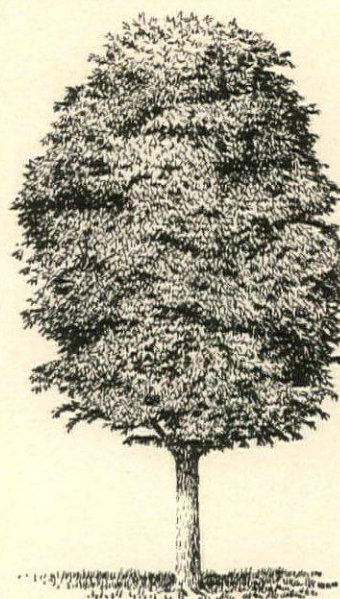
EVERGREENS

Hemlocks
Junipers
Pines

Spruces
Ligustrum
Yews

Boxwoods
Southern Magnolia
Hollies

VINES — GROUND COVERS — HEDGES — CANNAS



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WAYNESBORO NURSERIES

WAYNESBORO, VIRGINIA

Garden Gossip

Section

Mrs. Gerald J. Pierce, Editor
Phone AT 8-0202, 7700 Hillview Ave., Richmond 29, Va.



Photo by Colonial Studio

Buds and new foliage of flowering trees and shrubs bring spring into the house and can be used effectively for simple line arrangements, such as this one by Mrs. Cleve Loman of Richmond. Combined with the tulip poplar branch just bursting into bloom, the weathered wood seems quite at home against a natural rough textured fabric. Forced forsythia branches could be used now; watch the trees for buds swelling for unusual effects and yet ones so simple to achieve. Mrs. Loman won the Award of Distinction in the spring flower show, "Prelude to Summer," of the Richmond Council of Garden Clubs, May, 1959.

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FEBRUARY 1960

Trees for Idle Lands

An estimated 35 to 40 million tree seedlings will be available to Virginia landowners for planting this winter and spring.

Foresters for the VPI Agricultural Extension Service say progress made in Virginia in planting idle acres to profitable tree crops has been encouraging the past four years. However, there are still thousands of acres of idle and unproductive land which should be planted to trees.

Order blanks for the trees are available from county agents, district foresters, or fire wardens.

The VPI foresters say landowners should give careful consideration to what species to plant.

The tree most commonly planted in Virginia is loblolly pine. It is recommended for planting throughout the coastal plain and Piedmont where the elevation is under 1,200 feet. Avoid planting on poorly drained and extremely steep slopes with thin soil, or on severely gullied areas. Loblolly can be planted in the western part of the state, but should be confined to the better soils on southern or eastern slopes.

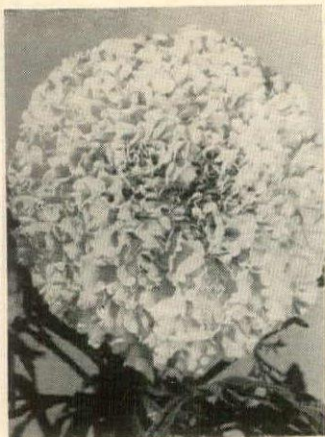
Shortleaf pine also is available from state nurseries. Be extremely careful in selecting a site for shortleaf. It can be planted from the eastern Piedmont west at elevations up to 2,500 feet. Avoid poorly drained areas. The soil should be only moderately eroded. Avoid soils with heavy limestone outcroppings.

West of the Blue Ridge, eastern white pine, planted at elevations above 1,000 feet has been successful. It should not be planted on steep southern or western slopes. The soil should be fairly loose. Avoid heavy clay with a hardpan underlayer. White pine also prefers a well drained site.

Another species which the foresters believe should be given more consideration than heretofore is Virginia pine. It will grow where other species often fail. It is especially adapted to extremely dry sites, and will survive even where there is little or no top soil. Virginia pine needs plenty of light, so do not plant where heavy broomsedge, weeds, or other heavy vegetation is present.

Many landowners have planted yellow poplar in recent years. This species is demanding in its needs for survival and growth. It should be planted on lower north or northeast slopes, well drained bottoms, coves or sink holes.

(Please turn to page 33)



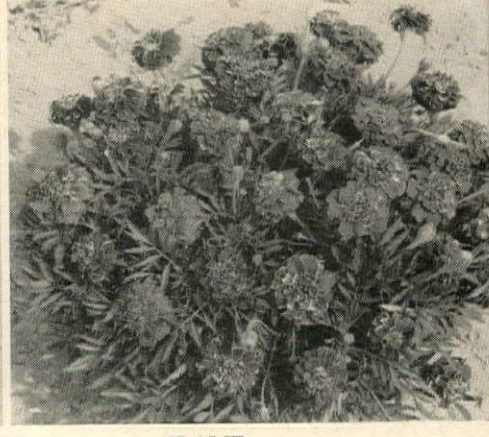
TOREADOR



GLAMOUR



SUPREME



FLAME

AMONG THE NEW ANNUALS introduced for 1960 are three All-America Winners, a giant hybrid double snapdragon, a tetraploid annual phlox and a giant hybrid American Marigold. The introductions include the first F₁ hybrid double summer-flowering snapdragons and first F₁ hybrid zinnias ever offered to gardeners, providing new colors and superior plant habit.

Toreador Marigold, newest of the giant F₁ Hybrid American Marigolds and 1960 All-America Bronze Medal Winner, is a welcome addition to Burpee's spectacular Climax Marigolds.

Toreador produces loosely ruffled, fully double flowers up to 5 in. across and nearly as deep. The bright mid-orange flowers are slightly darker toward the center which highlights the bright color of the petals. The deeply ruffled and frilled flowers are produced on long, strong stems, making Toreador an excellent cutting flower.

Toreador, because of its hybrid vigor, is a strong grower, 2 feet tall, and produces an abundance of flowers from early summer until frost. Toreador's uniform growth and free flowering habit will make it a top choice of home gardeners for a bright spot in flower borders.

Glamour, a new annual tetraploid phlox and 1960 All-America Bronze

Medal Winner, presents a lovely new color, a clear mid-salmon of unusual brightness. The flowers, which have a creamy white "eye," in contrast to the soft salmon color, are borne in large graceful clusters on dwarf bushy plants. The individual flowers, 1 3/4" in diameter, retain their color well. The mid-salmon color will blend smoothly in the garden and in arrangements with shades of darker salmon, coral or pink and effectively contrast its pastel freshness with shades of blue and white. Glamour is a bush plant reaching approximately 14 in. in height with a symmetrical and slightly open habit of growth. The uniform habit of growth makes it a reliable bedding plant.

Supreme Snapdragons are characterized by the unusual and amazing formation of their flowers. Between the upper and lower lips of the large flowers, several small, gracefully ruffled accessory petals protrude from the throat to create a charming and refined flower.

Supremes will be welcomed as cutting flowers. Their strong stems make them easy to arrange and the long-lasting quality of the flower spikes adds extra life to bouquets. Their three soft pastel colors will flatter any home. Vigorous growth and healthy dark green foliage make the Supremes superior bedding plants, flowering from early summer until fall with an average height of 36 in.

Flame is the newest of the dwarf double French marigolds. Flowers open

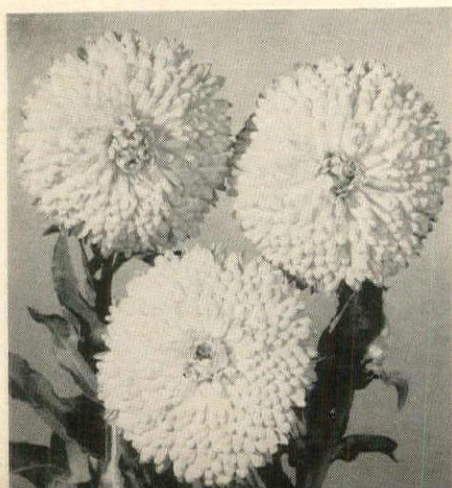
deep scarlet and turn to rich tangerine with the petals strikingly accented by a gold edge. The fully double flowers, 1 1/4 to 2 in. across, crown compact, bushy plants 10 in. tall. Flame holds its shape during the growing season, and with its profusion of color gives those sometimes "difficult-to-handle" edges of the garden a carefully groomed and cheerful look.

Flame Beauty is an outstanding orange in the Pacific Beauty strain of calendulas which will compare with Orange King, the long time leader of all orange calendulas. In addition to this outstanding color quality, the flowers are larger and more graceful (less flat) and more heat resistant, blooming longer into the summer than the older types. Seeds should be planted no deeper than 1/4 inch, kept moist for most rapid germination and seedlings thinned to 10" apart. Plants are good for bedding, growing a foot high.

Little Queen is a new dwarf aster that has been bred from the famous Queen of the Market strain. Plants grow only 12 inches high, are compact, yet produce 2 1/2-3 inch flowers in usual aster colors. Wilt resistant and an early bloomer, Little Queen is worth a try.

Not since the introduction of Pink Lady has there been such an outstanding new color in zinnias as *Lilac Time*. It is in the giant hybrid or cactus flowered family; flowers are giants of 4-5 inches and plants grow to 2 1/2 feet. The shades of lavender vary which makes Lilac Time a good bedding plant and an excellent cut flower.

FLAME BEAUTY



LITTLE QUEEN



LILAC TIME



NATIVE PLANTS NEEDING PROTECTION IN VIRGINIA

EFFECTIVE JANUARY 1960

This list was prepared by the Conservation Committee of the Virginia Federation of Garden Clubs, based upon the information sent in by the membership and recognized authorities in our State Colleges. Mrs. Wally W. Levi of Radford is currently chairman of the Conservation Committee.

This list of Virginia Native Plants needs protection because the plants are rare or difficult to grow. They may be used in *flower shows* as follows:

1. In educational exhibits, if *nursery* grown or *garden* grown. Each plant must be rooted and labeled.
 2. Those marked with an asterisk (*) may also be used in artistic design, horticultural classes, or any other class not specified as educational, if *grown by the exhibitor*.
1. Arbutus (*Epigaea repens*)
 2. Bayberry (*Myrica carolinensis*)
 3. Birdsfoot Violet (*Viola pedata*)
 4. Bleeding Heart (*Dicentra eximia*)
 5. Bloodroot (*Sanguinaria canadensis*)
 6. Bluebells (*Mertensia virginica*)
 7. Blue Flag (*Iris versicolor*—*I. cristata*—*I. verna*)
 8. Cardinal Flower (*Lobelia carinalis*—*L. siphilitica*)
 9. Camass or Wild Hyacinth (*Camassia scilloides*)
 10. *Dogwood (*Cornus florida*)
 11. Dutchman's Breeches (*Dicentra cucullaria*)
 12. False Solomon's Seal (*Smilacina stellata*)
 13. Ferns—(Maidenhair—beech—cliffbrake—chain—walking—sensitive—bladder—crested—Goldie's)
 14. Gentian (*Gentiana crinita*—*G. andrewsii*)
 15. Ground Cedar—Running Cedar—(*Lycopodium*) all species
 16. Hepatica or Liverwort (*Hepatica americana* and *H. triloba*)
 17. *Holly—American (*Ilex opaca*)—Mountain Holly (*I. montana*)—Inkberry (*I. glabra*)—Winterberry (*I. verticillata*)
 18. Indian Pipe (*Monotropa uniflora*)
 19. Jack In The Pulpit (*Arisaema triphyllum*)
 20. Lilies (*Liliaceae*) Turk's Cap—Gray's—Philadelphia Wood
 21. Lupine (*Lupinus perennis*)
 22. *Mountain Laurel (*Kalmia latifolia*)
 23. Orchids (*Orchidaceae*) all species—Showy—Fringed—Coral—Root—Ladyslipper—etc.
 24. Partridge Berry (*Mitchella repens*)
 25. Phlox (all species)
 26. Pinxter Flower (*Azalea nudiflora*)
 27. Pitcher Plant (Northern *Sarracenia, purpurea*) (Southern *S., flava*)
 28. Pipsissewa—green (*Chimaphila umbellata*)
Pipsissewa—spotted (*C. maculata*) also spotted wintergreen
 29. *Rhododendron (*Rhododendron maximum*) (*R. catawbiense*)
 30. Ruellia (*Ruellia carolinensis*)
 31. Sea Lavender (*Limonium (Statice) carolinianum*)
 32. Solomon's Seal (*Polygonatum biflorum*)
 33. Spring Beauty (*Claytonia virginica*)
 34. Swamp Azalea (*Rhododendron viscosum*)
 35. Trillium (all species)
 36. Violet, Great-spurred and other rare species
 37. Wild Indigo (*Baptisia tinctoria*)
 38. Wolfsbane—Monkshood (*Aconitum* species)
 39. Troutlily or dog-tooth violet (*Erythronium americanum*)

IDLE LANDS—from page 31

Never plant on a dry exposed steep slope. The top soil should be 6 inches deep or more with no apparent erosion. Avoid poorly drained soils or any area where the soil becomes hard or cloddy when worked. Plant with extreme care.

Some landowners are showing interest in Christmas tree plantings. White pine is perhaps the best tree

available from state nurseries for Christmas tree planting. The same site requirements are noted as for forest plant of white pine.

Tree seedlings are inexpensive and easy to plant. Farmers can receive cost-share payments of from \$10 to \$16 per 1,000 trees planted through the Agricultural Conservation Program.



New Riding Rotary Mower

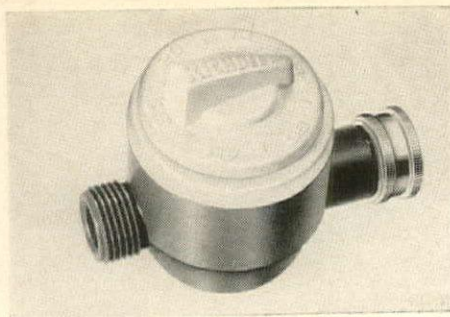
A riding mower, designed for cutting fine lawns or high weeds and grass, the **Premium** features a 4½ h.p. cast-iron, industrial duty engine. Ease of handling through two speed ranges, foot pedal operation, easy turning and fully pneumatic rear wheels as well as upholstered seat and back rest should appeal to everyone. The **Premium** has a 24" blade that can be raised while in operation and returns to its original setting. **Premium** is manufactured by Great Lakes Tractor Co., Cleveland, Ohio.



New Sprayer on Wheels

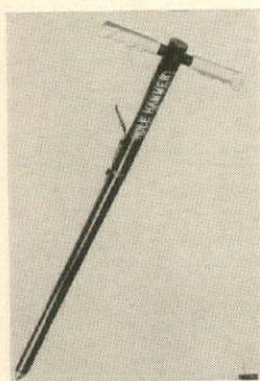
Now you can stroll as you spray your lawn or garden, thanks to the new **Stroller**, a 3-gallon compression sprayer mounted on a cart. Only 8½ inches wide, it glides easily among planting, guided by an adjustable handle. Other features are a 82" discharge set, rotatable control valve, nozzle that adjusts to various spray patterns and angles, extra safe pump closure with funnel-shaped top. Manufactured by H. D. Hudson Manufacturing Co., Chicago, the **Stroller** is available in garden shops and hardware stores.

(Continued on the next page)



NEW WATERTIMER BOON

The Richdel Watertimer works like the timer on your stove. Attach to hose-bibb. Timer shuts off water automatically. Retails for \$7.95. Available also in $\frac{3}{4}$ inch valves with one inch pipe threading for underground sprinkler systems for \$14.95 and with electric solenoid operation for \$15.95. Automatic control unit for inside the home sells for only \$39.95. Richdel, Inc. 1029 Sunset Drive, Whittier, Calif.



HOLE HAMMER

Developed primarily for deep feeding, cultivating and watering of perennial flowers, shrubs, vines and trees, the Hole Hammer is made of a tubular steel body $1\frac{5}{8}$ " in diameter with a hardened steel point, guide bushing and anvil. Two plastic grips guide this 45" long tool, ideal for making all sorts of holes around the average home. \$12 ppd. from Impact Tool Co., 102 Girdle Road, East Aurora, N. Y.

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HARDY ROSES

Two Years Old—Field Grown

Grown by Jackson and Perkins

Spring 1960

PATENTED ROSES

KORDES PERFECTA. Patent No. 1604. The most intriguing color combination you've ever seen . . . white—pink—yellow! Completely different from any other Rose. This magnificent new Hybrid Tea is lined with pink—as if petal edges were dipped in carmine. Rich red spreads through the flower as buds open, revealing a suffusion of yellow. All season long this vigorous 3-foot plant produces many superb, long-lasting exhibition Roses—a full five inches across. **\$3.50 each.**

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See Page 29.

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See the Jennie Dean Elementary & High School featured on page 20.

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RICHMOND, VA.

VIRGINIA BUSINESS REVIEW

by

ROSEWELL PAGE, JR.

● P. Lorillard Company, one of the nation's big cigarette manufacturers, has announced construction of a \$7 million processing and storage plant at Danville.

The plant will be located about three miles northeast of Danville on the Old Halifax Road between Route 58 and the Southern Railway. It will employ some 1000 people during the tobacco processing season and will house about three million dollars worth of equipment. The building can store up to 60 million pounds of leaf.

* * * *

S. Hollis Shomo, Assistant Director of the Division of Markets, Virginia State Department of Agriculture, will succeed Joseph Henry Meek, 69, nationally recognized pioneer in the field of food marketing, who will retire Feb-



S. HOLLIS SHOMO



JOSEPH HENRY MEESKS

to tell the Virginia Story

ruary 22 in his fortieth year as director of the Division.

Mr. Meek came to the Department in 1920 as Director of the newly created Division of Markets which then included himself and two other employees. Today the Division has 186 full-time employees and up to 460 part-time employees and officially grades or inspects over 643,000,000 tons of farm products a year.

Mr. Shomo, a native of Harrisonburg, joined the Division in 1928 to head the Poultry and Egg Section. He was appointed Assistant Director of the Division in 1958.

* * * *

Thalhimer's has announced plans for opening a third branch in Richmond. Directors recently voted to convert part of a 200,000 square foot warehouse and service building north of Broad Street at Westmoreland St. into a retail store where there will be parking space for 300 to 500 automobiles.

* * * *

Levi Strauss & Co. has purchased Harde Manufacturing Co., Inc., a manufacturer of boy's sportswear in Blackstone. This announcement was made recently by Clive N. Marks, president of the Blackstone plant who will remain as manager.

This gives Strauss its second plant in Virginia, the other being in Warsaw. The Blackstone plant will increase its work force from 225 to 300 in March.

* * * *

James L. Craig, Jr. of Norfolk and Thomas A. Hanson of Roanoke recently announced the opening of structural engineering offices in both cities under the name of Hanson & Craig.

Craig, who will be in charge of the Norfolk office at 424 W. 27th St., was formerly engineer in charge of the structural department of Lublin, Mc Gaughy & Associates of Norfolk.

Hanson had been chief engineer for the Virginia Prestressed Concrete Corp. in Roanoke and Wiley and Wilson, Consulting Engineers, of Lynchburg.

NAMES IN THE NEWS

M. P. Gooden, formerly plant engineer of American Viscose Corporation's Front Royal plant, has been named assistant chief engineer of the company's Fibre Division. He will be with the Philadelphia office, according to M. Bernard Morgan, chief engineer of the division. A. G. McVay, Front Royal plant manager for American Viscose, announces that Eldon E. Campbell, formerly area engineer at Front Royal, will succeed Gooden in his former position. . . . Paul S. Guinn of Alexandria and Washington, D. C. is the new executive secretary of the Wythe County Chamber of Commerce, according to announcement from

(Continued on page 39)

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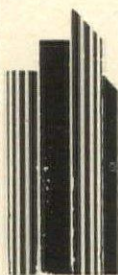
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See Page 8.

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NEWPORT NEWS, VA.

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LYNCHBURG, VIRGINIA

David D. Taylor, president of the Chamber. . . . **Carlton P. Moffatt, Jr.**, a vice president of Richmond Federal Savings and Loan Association, was named as the Richmond Junior Chamber of Commerce's outstanding young man for 1959. **William Muse**, chairman of the judging committee for the J.C.'s, presented the award at a recent luncheon meeting at the John Marshall Hotel. . . . **William Carroll Chewning**, a partner in the firm of Chewning & Smith and new president of the Real Estate Board of Richmond, is a fourth generation real estate man and a second generation president of the Richmond Real Estate Board. . . . **Hon. Lewis L. Strauss** of Culpeper county has been elected a member of the Board of Directors of Binswanger Glass Co. Mr. Strauss is a former member of the New York investment firm, Kuhn, Loeb & Co., and former chairman of the Atomic Energy Commission. . . . The newly elected cashier of the Merchants and Farmers Bank of Franklin is **Bobby B. Worrell**. . . . **Marion E. Wood, Jr.**, assistant resident highway engineer at Martinsville, has been transferred to Franklin as highway resident engineer. **Haddon J. Rhodes**, highway engineer trainee at Ashland, will replace Wood at Martinsville. . . . **Ben F. Parrott** of Roanoke and **Robert C. Watts, Jr.** of Lynchburg have been elected to the Board of Directors of Miller and Rhoads. . . . **Herbert C. Moseley**, president of the Bank of Virginia, announces the promotion of **Joseph E. Spruill**, assistant vice president, to the position of vice president of the bank. •

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See Page 12.

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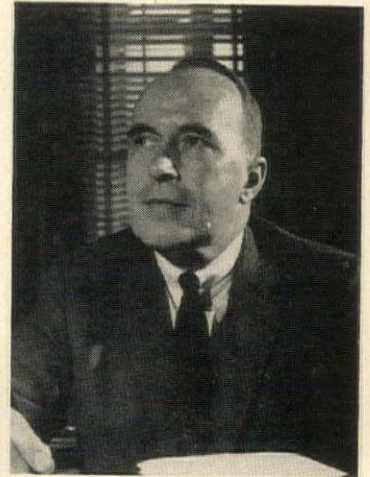
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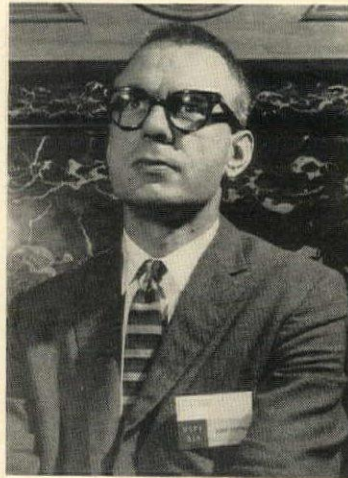
Electrical Contractor for the
New Lincoln Terrace Elementary School,
featured on page 12.

WHAT THEY SAY FACES VIRGINIA ARCHITECTS IN THE "SIXTIES":

Marcellus Wright, Jr., Richmond architect and former head of the Middle Atlantic District of the American Institute of Architects: *"The urban and suburban scene which we all see daily is a constant and oppressing reminder that possibly the greatest challenge facing Virginia architects today is to find, in rapport with the competent merchant builder, some means to bring creative design talents to productive use in relieving the drab and monotonous housing scene."*



Leonard J. Currie, Dean of Architecture, Virginia Polytechnic Institute: *"That of the never ending quest for appropriate and satisfying form for human environment—ever more responsive to the physical and spiritual needs of man and society. Virginia cannot stand aside from the violent technological revolution and the insistent cultural and aesthetic drives of our times. Like all people, in whatever place and era, we have an obligation to experiment and to create new architectural symbols expressive of our age—symbols infused with the power to evoke elation and delight."*



Carl M. Lindner, Jr., President of the Virginia Chapter, The American Institute of Architects: *"Architects will embark upon a concentrated self-education program in order to meet the challenges brought about by the scientific and technological developments we will face."*



Thomas K. Fitz Patrick, Dean of the School of Architecture, University of Virginia: *"Unless the architectural profession can present a new image to the public and in a united effort at all levels recapture the position it once occupied, it is doomed in this decade to be relegated to a second class status subservient to the controls which will be forced upon it through an uninformed public apathetic to the cult of ugliness which is spreading throughout the country like lava from the emptiness of greed and brutality everywhere visible."*



Carl M. Lindner presides at the business session of the Virginia Chapter AIA at which new dues structures were voted in. Many of the architects had a word or two to say on the subject, including, from left to right following Lindner, vice-president Fred Parris, Herb Smith, Marcellus Wright, Jr.

THIS DESIGN and three others may be used by corporate members on their individual stationery or calling cards in lieu of the official seal of The American Institute of Architects. The regular oval seal is reserved exclusively for official Institute use.

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The above design may be reproduced directly from this sheet in any size and color. Use of the letters "A.I.A." in connection with the seal is optional.

Adaptation of these designs is permissible as long as the basic image of the eagle and column and its relative proportions are preserved.

AIA News (from page 7)

former Director of the Georgia Tech School of Architecture.

Mr. Poulton is regarded by his former students as a rare and highly talented teacher. In 1958, he received the W. E. Wine Award at V.P.I. as the outstanding teacher on the faculty of the School of Engineering and Architecture.

* * *

The 1960 annual meeting of the Virginia Chapter AIA will be held at the Sir Walter Hotel, Virginia Beach, May 12-14. Election of officers will take place at this meeting. The slate proposed by the nominating committee at the winter meeting in Richmond included Fred P. Parris for president and Fleming Hurt for vice-president. John Owen, secretary, and Carl Cress, treasurer, were re-nominated to these posts. Herb Smith, of Virginia Beach, is in charge of arrangements for the meeting which promises to be outstanding.

* * *

Honor Awards for Current work will be chosen at the Annual meeting at Virginia Beach. These will be presented in the August Virginia Architect Section.

* * *

The 1960 national convention of the AIA will be held in San Francisco beginning April 18. Carl M. Lindner, Jr., Virginia Chapter president, is planning to attend. Under the theme "Expanding Horizons", AIA members will explore the trend of political, economic, technological and philosophical develop-

ments so as to help their profession keep ahead of changes in human environment.

J. Robert Oppenheimer, Director of

the Princeton Institute of Advanced Studies, will be among the principal speakers. Meetings will be held in San Francisco's new Masonic Temple.

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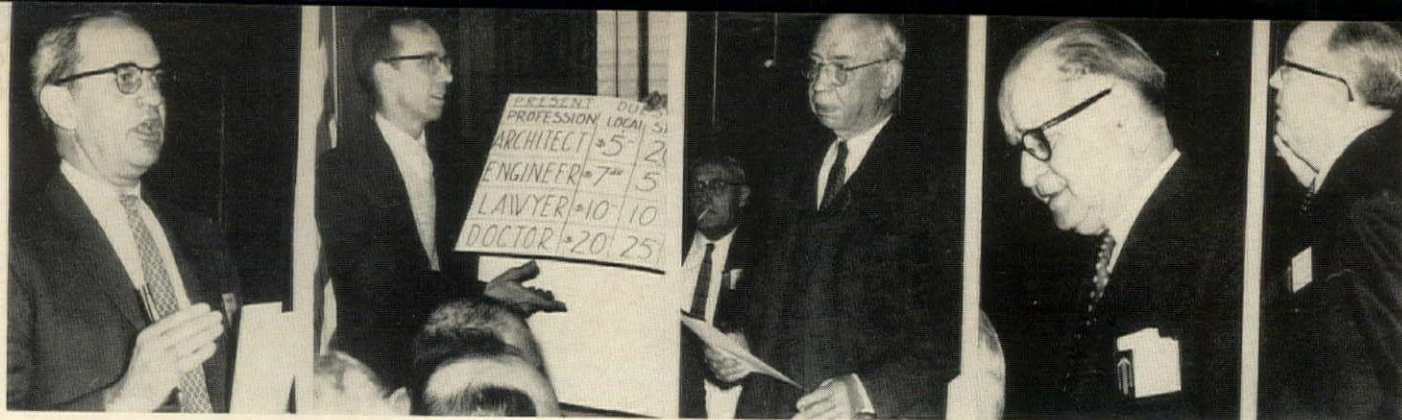
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Also with comments on the new dues structures were Louie Scribner, Chick Chichester (who just happened to have this chart along), John Peebles, O. P. Wright and Tom Fitz Patrick.

NEW PRODUCTS

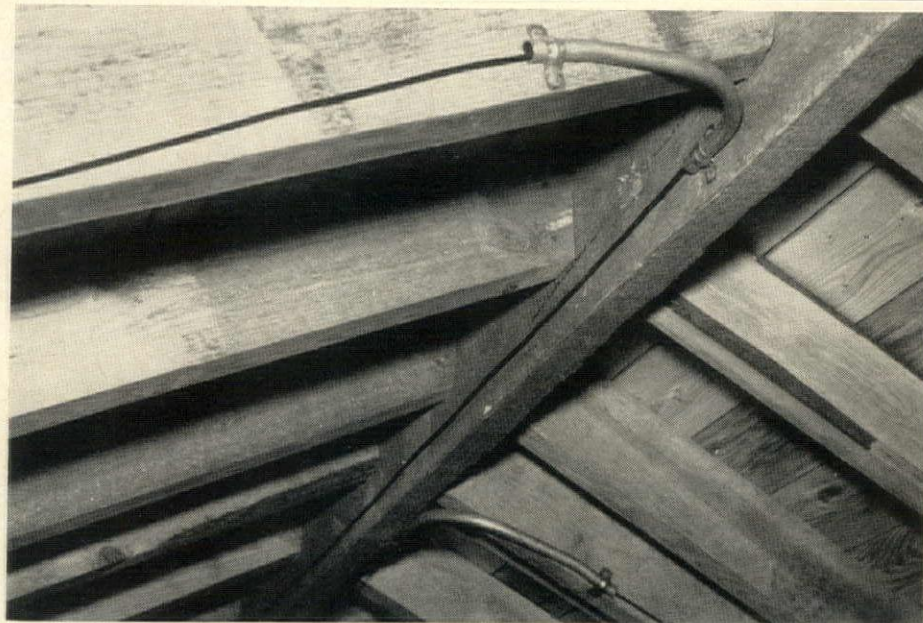
C&P ADVISES ON TELEPHONE PLANNED HOMES



Home buyers today are looking for features in homes that fit into the pattern of changing family life. That's why more and more architects and home builders in Virginia are now making adequate provision for telephone service facilities in their new homes.

The Chesapeake and Potomac Telephone Company of Virginia aptly calls this feature "Telephone Planned Homes."

This is the way it's done. Specially trained personnel of the C&P confer with architects, builders and individuals while the home is still fresh on the drawing board. They recommend the most convenient outlet locations for telephones and the installation of concealed telephone wiring. These outlets contemplate present telephone needs with sensible provision made for future requirements as family conditions change. *Outlets in a youngster's bedroom, for example, may not be utilized immediately but in a few short years*



he'll probably be a phone-talking teenager. Then, it is only a simple matter to install a phone of his own *without running exposed wiring.*

An important feature of the new idea of "telephone planned" homes is the elimination of conduit which, in many instances, was required to extend telephone wiring. Under the present plan, adequate telephones can be provided

wherever needed without the necessity of running exposed wires or incurring the additional expense of installing conduit.

Local C&P telephone business offices will be glad to make arrangements for a representative to give professional assistance, without charge, on how to have a modern "Telephone Planned Home."



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THE DEVELOPMENT of two new movable wall systems, designed to

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The Signature and Delineator systems are the new products' names. With panels just two and one-quarter inches thick, the trim appearance, Hauserman designers say, was achieved at the same time that major improvements were made in the traditional functional advantages of movable walls.

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NEW INSTRUMENT CATALOG AVAILABLE

● Hastings-Raydist, Inc., instrument manufacturer of Hampton, Va., has announced a new catalogue showing their heated thermopile air-meter instruments.

Including models which read as low as 5 fpm and as high as 200 fpm, directional and non-directional air velocity probes and their associated measuring instruments are detailed in the new brochure of interest to those in the heating and airconditioning field as well as those in air pollution study and control.

For more detailed information and a copy of the catalogue, #170, write to the manufacturer, Hastings-Raydist, Hampton, Va.



The Whitmores and the Chichesters get together at the President's reception beginning the meeting Thursday night. Ed Donnelly and Cabell Ford at Cabell's fine Solite reception at the Rotunda Club Friday evening. Fred Parris, nominee for president, Tom Fitz Patrick and Jim Breed at one of the coffee breaks at which Western Waterproofing and A. A. Wire Products were hosts.

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Banquet speaker, Dr. James Appleby, talking on "Epitaphs." Turner N. Burton, Director of the State Department of Occupational and Professional Registration speaking to the architects on the problems of enforcing registration laws. Architects at Hankins and Johann plant.

School (from page 20)

Tile Co., Inc., of Falls Church did the ceramic tile work. Storm Flooring Co., Inc., of New York, did the wood flooring in the gym. Millwork for the project was by the R. E. Richardson & Sons Co. of Richmond, who supplied also the pre-fabricated classroom equipment and wardrobes. Baker and Anderson, Inc., of Winchester supplied the lighting fixtures and did the electrical work. J. H. Cothran Co., Inc., of Altavista supplied the plumbing fixtures and did the plumbing, heating and ventilating. Voell Custom Kitchens of Washington supplied the home economics kitchen equipment. Pleasants Hardware supplied the hardware. All sub-contractors and material suppliers are from Richmond unless otherwise noted.

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See Page 18.

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AS THE TWIG IS BENT — (from page 5)

the term "the people" is understood today, the members of the House of Burgesses were not representative of the general population. Only landowners were eligible to serve, and their service did not depend on pleasing constituents.

However, though this was limited self-government in comparison with what self-government has come to mean, it was truly the beginning of popular representation and, most significantly, developed in Virginians the habit of responsibility for their own government. It is difficult to conceive that as complex as are the problems confronting our present General Assembly, the early law makers faced incomparably more difficult problems than we have known in our time, for their problems began with the primary one of survival.

Hence, the body of laws which evolved were concerned with the fundamentals of the life of a society. In erecting this legal structure, the representatives acted with a knowledge of, and responsibility to, their specific order, as it evolved from the wilderness.

One and one-half centuries after the first meeting of the General Assembly, the representatives' understanding of their own needs and interests led them to make a redefinition of the rights of man when they felt that the Home Government in London was acting without due regard for the individual rights of this specific colony. It was not easy for Virginia to sever the timeless bonds with the Mother Country in protection of its principles of self-government, nor was it easy in the next century to sever relations with the union of states over the same principle. But the habit of preserving its own society, which began in the little church at Jamestown in 1619, was even harder to break. It is no tradition of "Cavaliers" or of high-sounding generalities that has carried the founding principles across nearly three and one-half centuries until today.

With all the elegance with which some of its leaders have lived, all the charm of manner and pleasing customs, essentially the tradition has been perpetuated by gentlemen like Sir George Yeardley. During his administration, Yeardley himself lived in an imperial manner, with 3500 acres surrounding his mansion. But, doing well for himself, he brought a mixture of idealism and practicality to his dedication to the Colony. The malarial fringe of frontier along the James River was a long way from the London of Shake-

speare in which he had grown up, and only a deep identification with the Colony could have compensated him for what many of his contemporaries regarded as an exile.

1619 was a turning point in many ways for the precarious little settlement. Many of those turns, including the House of Burgesses, led to the Virginia which we know today. It is well to remember, in our present complications, that it did not grow as if by magic. It came, as all growth must, by making fewer errors than right turns in times of decision.

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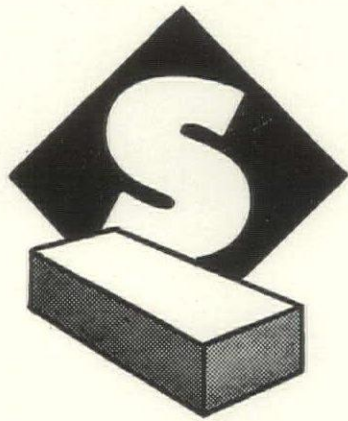
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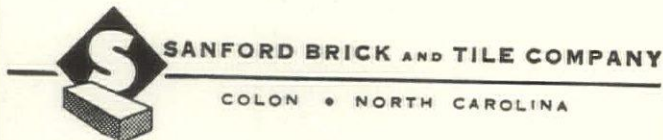
Installation of Elevator
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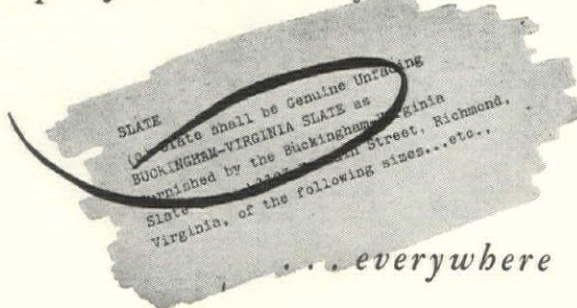
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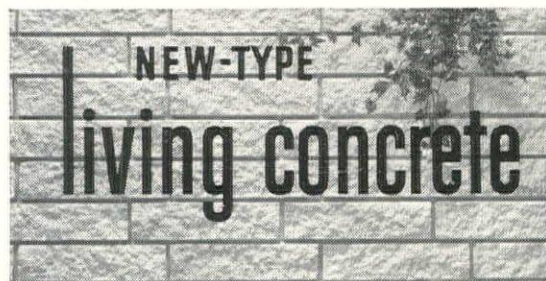
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