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tative articles and features on statewide and local industries, business, governmental and civic organizations they are in no other respect responsible for the contents hereof.

VIRGINIA CHAPTER, AIA

JOE H. YOUNG

Executive Editor

What's New?

I T is only in America that one hears the greeting, "What's new?" This is a very fitting greeting, since it accurately reflects the national addiction to ceaseless change. This change implies that the new is better than what went before. This obtains even in consumer products where "planned obsolescence" yields new products manifestly inferior to those previously marketed. For instance, among several record-players, I have one 27 years old, and, among several window air conditioners, I have one more than 20 years old. They have both now developed mechanical ailments which cannot be repaired because the parts for these models are no longer made, although the service-people say that both are superior to anything that could be bought today. Last year, when another air conditioner broke down completely, the service people explained, "Well, it's about time: this is an old air conditioner—ten years old."

People who read from the best seller list demand books from the newest list: that is the sole criterion. If you glance through the best seller lists of the past 50 years, you will discover a few—very few—good books that have faded into oblivion because they did not come out *this* year and hundreds of books whose authors would be unknown to anyone (except antiquarians) even in the next decade of their publication.

A book that will make nobody's best seller list is LOST AMERICA: From the Atlantic to the Mississippi, a picture and text book edited by Constance M. Greiff. But LOST AMERICA, which reveals in 235 large pages of excellent photographs the practice of "what's new?" in our environments, *should* be read by every creative architect, everyone interested in American architecture and, most especially, by every person concerned with the physical environment of his community. "This is a sad book," Mrs. Greiff writes in her introduction. "It represents only a small sample of the rich and diverse delights that have vanished from the American scene."

These samples include commercial buildings (such as Adler and Sullivan's "proud and soaring" Schiller Building in Chicago) and public buildings, charming court houses and impressive city halls (as Detroit's), homes and hotels, the India Wharf in Boston (Bulfinch's last commercial building in Boston), demolished in 1962, the incomparable Pennsylvania Station, of McKim, Mead and White in New York, demolished in 1963, and also in 1963 the Renaissance Revival U.S. Customs House in Mobile. The photographs truly comprise the face of an America that is lost east of the Mississippi. The various causes of this loss, taken together "make a sorry tale of indifference, ignorance, greed and downright criminality."

Most of all greed seems the motive, the profit motive at work. Underlying he greed has been an ignorance masquerading as shrewdness: here the "booster," the economic progressive, valued the immediate profits obtainable from a piece of property over the long-range value to the total community of a buildng which contributed distinctive character to the environment. This advocate of "progress" could enjoy the self-approbation of marching in the mainstream of "what's *new?*" because the majority of his com-(*Continued on page 124*)

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NOVEMBER 1972

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ON OUR COVER is the "Crystal Tree," the central feature of Cloverleaf Mall. Coverage of the project, designed by Carneal and Johnston of Richmond, can be found on page 27 of this issue. (Photo by James M. McElroy)





November 1972

Recently, Richard N. Anderson, Jr., AIA, Architectural Editor of The Virginia Record moved his professional practice and business commitments to the Maryland area and has relinguished his long-time association with the magazine, Mr. Anderson was editor for twenty years and did an excellent job for Virginia architects and for the Virginia Publisher's Wing.

In order to fill this vacancy, the publishers approached the Board of the Virginia Chapter, AIA, and proposed that a close relationship be established between the magazine and the AIA for editing of the Virginia Chapter Section. The Public Relations Committee, specifically its Chairman, has been requested by the Board to act as editor of these four issues (February, May, August and November) and be so listed on the masthead of the magazine.

All architectural projects, whether submitted through the Public Relations Committee or delivered directly to the magazine, will be screened by the Public Relations Committee for editorial content and picture selection. The AIA through the committee will also render technical assistance to the publishers regarding better presentation of the projects, particularly format, graphics, etc.

The committee, prior to each of the four issues, will continue to alert by letter all members regarding deadlines and encourage them to submit their current projects.

Since the Public Relations Committee has had no specific duty over the past few years other than to do what can generally be done to promote the Chapter through the media, etc.-and this is from experience at best very little-it welcomes this opportunity assigned to it by the Board and trusts that enthusiasm, interest and participation in the project will

to tell the Virginia Story

be high on the part of all Virginia architects.

Buford S. Lindsay, Executive Director of the Virginia Chapter, AIA, will be assisting the Public Relations Committee and handling most of the technical and follow-up details. The committee welcomes your suggestions and comments. Please contact the committee by letter via Mr. Lindsay at 513 East Main Street, Richmond, Virginia 23219. However, submissions of projects to the magazine should continue to be made directly to the Virginia Record, Post Office Drawer 2-Y, Richmond, Virginia 23205.

> The Public Relations Committee Virginia Chapter, AIA

Jedenie H. Cox, J.

Frederic H. Cox, Jr., AIA Chairman





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Heat. Don't add extra heat Cut down on beat-producing cooking ironing, lights bevision sets, and radios that are on but not being used or watched

in the condenser. These suggestions should help you enjoy the summer even more. The savings you get from the proper use of electricity the proper use of all happy. escape from the condenser. TERT

all longer. and longer. and Care. Have your central cooling unit serviced each year. An air conditioner that is out of adjustment can increase your operating outs while giving you very little cooling. Don't costs while giving you very little cooling on te outs the flow of air over the outside condense duce the flow of air over the outside unside-the ing coils of your central unit or the outside-the duce the flow of air over the outside condens-ing coils of your central unit or the outside-the-house portion of your window unit. The heat removed from your house will not be able to remove from the condenser

No Createrel thus require a much longer cool down be endy while later in the evening when colues down in the later in the vening when colues down and the begin to cool down be endy and the begin to cool down and the begin systemal you leave off when you leave off when you leave off when down that is in the best blace. If peed to avoid come is and haltways as locations for avoid comes and haltways as locations for avoid away from the unit into and away from the unit into a the avoid and the avoid and the avoid avoid and the avoid avo into and away from the unit. **Cleaning**. Keep filters clean. Dirty filters will run up your cooling costs by restricting air flow and thus make your unit work harder and longer. and **Care**. Have your contract

1972

HONOR AWARDS

VIRGINIA CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS



The jury for the 1972 Honor Awards program was held in Atlanta at the School of Architecture, Georgia Institute of Technology, on August 24, 1972.

MEMBERS OF THE JURY

Mr. Paul Malcolm Heffernan, FAIA Director, School of Architecture Georgia Institute of Technology

Mr. James Harrison Finch, FAIA

Mr. Thomas Walker Ventulett, III, AIA

NOVEMBER 1972



HONOR AWARD

THE ARENA AT SCOPE

The Williams and Tazewell Partnership — Architects Pier Luigi Nervi — Dome Consultant Daniel Construction Company of Virginia — General Contractor

City of Norfolk (Owner)

Jury Comment:

"A handsome structure in which the service elements have been successfully integrated."

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Founded 18



HONOR AWARD

THE NORFOLK REGIONAL AIRPORT AND BOTANICAL GARDENS MASTER DEVELOPMENT PLAN

Shriver and Holland and Associates Architects and Project Director in joint venture with

and

Sasaki-Dawson-Demay and Associates Landscape Architects

Ralph H. Burke Associates Engineers

Norfolk Port and Industrial Authority (Owner)

Jury Comment:

"Very successful reallocation of the new and older spaces with skillful separation of dissimilar functions."

NOVEMBER 1972

PAGE ELEVEN



JAMES RIVER PARK MASTER PLAN

Carlton Sturges Abbott, AIA—Architect Stanley W. Abbott, FASLA—Landscape Architect

City of Richmond (Owner)

Jury Comment:

"Merited consideration for the protection of a natural resource with the promise of being a facility of great value to the community."

PAGE TWELVE

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Founded 1



STRUCTURES FOR WALLER MILL PARK

Carlton Sturges Abbott, AIA—Architect Stanley W. Abbott, FASLA—Landscape Architect Joseph S. Terrell, Inc.—General Contractor

City of Williamsburg (Owner)

Jury Comment:

"Successful introduction of architectural elements into the landscape, taking advantage of the terrain and maintaining consistancy."

NOVEMBER 1972



COLLEGE OF ARCHITECTURE BUILDING-VPI & SU

Shriver and Holland and Associates—Architects J. E. Davis and Sons, Inc.—General Contractor

Virginia Polytechnic Institute and State University (Owner)

Jury Comment:

"Simple organization and strong form which stabilizes its central location on the site."

PAGE FOURTEEN

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THE HUMMEL MEMORIAL ATHLETIC FIELD

The Williams and Tazewell Partnership—Architects Eugene Simpson and Brother, Inc.—General Contractor

Episcopal High School, Alexandria (Owner)

Jury Comment:

"A very simple, straight forward solution of sensitive and harmonious quality."

tell the Virginia Story

NOVEMBER 1972

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Northern Virginia Builder's Association Associated Builders and Contractors

> Virginia Safety Association National Safety Council

National Association of Surety Bond Producers

National Association of Casualty & Surety Agents

PAGE SIXTEEN

NEWS Continued

AIA

17th Annual R. S. Reynolds Award Competition

 Nominations now are being received for the 1973 Seventeenth Annual R.
S. Reynolds Memorial Award for distinguished architecture with significant use of aluminum.

The international Reynolds Award offers a \$25,000 honorarium and an original sculpture in aluminum to the honored architectural firm, or architect. The program is administered by the AIA and sponsored by Reynolds Metals Company in honor of its founder, R. S. Reynolds, Sr.

Brochures listing criteria for the Award have been mailed to all Institute members and to foreign architectural societies.

Nominations by either architects or interested individuals may be submitted by using a form included with the AIA brochure, or by writing the Reynolds Architectural Award Programs, The American Institute of Architects, 1785 Massachusetts Avenue, N. W., Washington, D. C. 20036.

Data binders describing the entries must be postmarked no later than January 22, 1973. The jury review is scheduled for January 29 and 30, 1973.

Architects Must "Know the Lingo" of HUD

Architects can—and should—have greater impact on the design and development of federally assisted housing for low- and moderate-income families, more than 200 architects were told at a two-day conference on HUD-assisted housing programs.

To achieve this, architects must make a greater input into the housing development process-and make it earlier than they now do. One way is to act as developers themselves-a possible, logical, and financially attractive role for architects. Another is to work closely with developers at an early stage of project planning. Sponsored by The American Institute of Architects, October 5 and 6 at the Mayflower Hotel, the conference drew 230 participants-virtually all of them architects-from all areas of the country from San Francisco to the Virgin Islands.

To be effective in design of federally

VIRGINIA RECORD

assisted housing, the architect mus "know the lingo" of HUD programs and to teach them was the purpose of the conference.

In addition to the technical session two speakers put the role of the architect in HUD-assisted programs in larger social framework. They we Harold B. Finger, HUD Assistant Sec retary for Research and Technology and Louis R. Lundgren, FAIA, chaiman of the AIA Commission on Er vironment.

Conference Lectures

Conference lecture sessions we conducted by members of Frosh, Lar and Edson, a Washington law firwhich has an extensive practice in feerally assisted housing. Two of the speakers, Charles L. Edson and Bru S. Lane, are authors of the conferentext, "A Practical Guide to Low- an Moderate-Income Housing" (Was ington: Bureau of National Affai Inc.).

Lectures dealt with the followin topics:

- -the historical development of t federal housing programs; the for mation, present organization, an work of HUD.
- -the rental housing programs, p marily the Section 236 (mu family) program of the Housi and Urban Development Act 1968. Section 236 provides federal insurance of private mo gage loans and for subsidization a portion of the income charg for such loans. It offers by far most attractive financial rewa for the architect who considers coming a developer.
- -housing management: HUD, luctant to take on delinquent defaulted properties, is requir management programs built i proposals for federally assis projects. Architects were urged study these requirements, for ge designs can significantly low management problems.
- HUD processing steps: Althout the participation of an archit

(AIA News Continues on page 91)

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- A section on installation explains SLAB ASSEMBLIES and STACK ASSEMBLIES.
- Also included is applicable DESIGN WINDLOAD information and WINDLOAD charts.

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Front Elevation, Vega Precision Laboratories (The Magic Eye, Ltd.)

VEGA PRECISION LABORATORIES, INC.

Vienna

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HARRY K. OH & ASSOCIATES CONSULTING ENGINEERS, ELECTRICAL GEORGE IRA WORSLEY, JR. & ASSOCIATES Consulting Engineers, Mechanical

ROSS & FRANCE CONSULTING CIVIL ENGINEERS & LAND SURVEYING

EDSALL CORPORATION, GENERAL CONTRACTOR

FOLLOWING several years of planning and construction Vega Precision Laboratories, Inc., a Vienna, Virginia electronics firm has settled comfortably into their new development and manufacturing facility. The two million dollar structure was designed by Architects, Barkley Pierce Associates AIA of Falls Church.

Vega Precision Laboratories, Inc., began operations with four people in 1963. In a few short years they expanded and diversified the company's product line from its original specialization in radar transponders to compatible electronic and microwave equipment. Today, Vega employs over 140 engineers, technicians and craftsmen. In addition, Vega recently entered into a joint venture agreement with the English Economic Group Limited to market, distribute and later assemble many of the Vega products

PAGE EIGHTEEN

in the United Kingdom and the Common Market countries.

With this strong and steady growth, Vega realized early the need for erecting a facility to meet their own specific requirements. They desired a site that would offer the maximum flexibility in planning and for future expansion of their growing operations. Since they had begun in Vienna, it was natural for them to select a twelve acre parcel in the yet undeveloped Vienna Industrial Park.

After purchase of the property, Vega set out to establish a thorough and complete program listing their specific and specialized requirements. At this point, the architects were retained to help in the program preparation.

Although Vega was aware that their property would support future expansion, they desired a building that would provide a means of expansion in



VEGA BUILDING DEDICATION—Ca cutting ceremony by honored guests an Vega executives: (I to r) Vega Executi Vice President D. Matt Kruchko; Vieu Town Mayor Joseph Spriggs; Congressm Joel T. Broyhill; and, Vega President Dat F. Gumb. (Adams Studio, Inc.)

the immediate future. They also required a facility that would provide optimum flexibility for change and expanding product operations and a structure that would boldly and esthetically represent the character of Vega Precision Laboratories. And specifically the building was to be designed around a central court accessible to all employees.

With this broad prerequisite, the architects set out to determine the direction planning should take. A work sheet was prepared to obtain an inventory of all existing spaces, equipment and production circulation. The work sheet also sought to determine what new spaces and equipment were also desired or required and which of these were obtainable within the programmed budget.

Following numerous interviews with department heads and supervisors a compilation of the findings was made. The extensive list included specifics for acid waste treatment, isolation methods for vibration testing equipment, negative and positive air pressure systems, odor control and separation, antenna and microwave interference problems, impact loading for roof top equipment and test ranges, and security systems. In addition, more ordinary data was solicited including size and location of spaces, fireproofing, soundproofing, wall and floor finishes, etc.

The final program called for a twostory structure containing 110,000 square feet. Due to the slope of the site, a partial walk-out basement was included. The first floor and basement would provide space until the time. Vega would require the second floor space for expansion. A penthouse was also included housing the antenna and radar range control room.

The basic form of the structure took the shape originally envisaged by Vega; a rectangular building 250' by 225' with a center courtyard 100' square. A main circulation corridor rings the facility on both floors. Offices or laboratories accessible from both sides of this corridor face to the exterior or into the court. The front elevation is symmetrical about a central portico which leads to a twostory lobby inside.

Corporate office and engineering labs are in the front while machine shops, testing labs, assembly and shipping take place on the sides and the rear. Due to the requirement for long walls to provide continuous uninterrupted work areas, all columns and fire stairs project beyond the exterior walls. The resulting effect is then used



A group of German architects and builders visit the Vega building to inspect the installation of the suspended ceiling using a laser beam for alignment. The tour was sponsored by Armstrong Cork Company.

as the basis for the strong exterior design and fenestration.

The projecting columns and stairs along with the broad roof overhang provide a degree of shading for the exterior windows. The test equipment and activity on the roof is screened by the perimeter parapet wall supported at the outer face of the overhang.

Exterior materials were limited to the white marble aggregate facings on the columns, stairs and fascia which frame wall panels of solar grey glass over brick spandrels. A simple well balanced facade was achieved, thus satisfying one of Vega's main goals.

Inside, materials vary with each use. Executive offices are carpeted, have wood paneled walls, and the ten foot high ceilings contain recessed lighting panels. Other offices and engineering suites have vinyl tile floors and gypsum board walls. The testing labs and machine shops have epoxy paint on block walls.

In addition to the spaces already enumerated there are, an auditorium seating 120 people; photographic, vibration testing, and printed circuit laboratories; an employees lunch room; and an elevator which connects the basement, two main floors and penthouse.

The building is of steel frame construction with steel and concrete floor and roof decking. The exterior walls are glass and masonry; the courtyard walls are glass and aluminum panel



Interior Courtyard, Vega Building (The Magic Eye, Ltd.) NOVEMBER 1972 PAG

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to tell the Virginia Story



walls. Built-up roofing surrounds the rooftop working deck which is constructed of a neoprene and aggregate walking surface applied over concrete decking.

Engineers designed an integrated system to supply heating, ventilation, cooling and lighting to the facility. The design is based on total electric power which is supplied on a looped system from the power company. This was designed to guard against voltage drops in the event a failure should occur in one of the lines. All power is supplied to the industrial park through underground cables.

Heating, cooling and ventilating is supplied through a hydronic closed loop system called "Energy Conservation Conditioning." It is a decentralized year around heating and cooling system, consisting of a two-pipe closed loop water circuit, through which nonrefrigerated water is circulated continuously througout the building. With the piping located within the building no piping insulation is required. The loop water temperature is maintained throughout the year by means of a supplemental heat source adding heat to the loop at the low end of the range, and heat rejector equipment capable of removing heat at the high end of the range. Filled with water, this circuit is both a "sink and source" of energy. A number of water-to-air heat pumps are connected to the circuit. On demand for heating a space the conditioner will absorb heat from the loop circuit, or on demand for cooling a space the conditioner will reject heat

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to the loop circuit. Unlike air-to-air heat pumps the operation of the waterto-air heat pumps, located inside the building, is not affected by outdoor temperature. The system thus provides the essential benefit of decentralized and individual choice of heating or cooling. The occupant may select heating or cooling or may shut off the conditioner serving his space without affecting conditions maintained in other spaces.

The heated or cooled air is introduced through ceiling diffusers which are integrated with the ceiling suspension system. In some areas, where large amounts of air are required, round ceiling diffusers are employed. Return air is retracted through the coffered lighting system which is also incorporated into the ceiling system. Air passing over the fluorescent lamps increases the efficiency and life of the light output. This air is collected in the ceiling plenum where it is mixed with tempered outside air and reintroduced through the individual conditioners.

Other systems included in the research and development facility are: an integrated smoke detector and fire alarm system; standby generator to supply emergency power in case of power failure; intercommunication and sound system; and maximum security lock and exit door alarm system.

Bids for construction were received in August 1971. Edsall Corporation of Springfield, was awarded the contract. Construction financing was arranged by Walker and Dunlop, Washington, D. C. who are also handling the leasing of the second floor space. A permanent loan was arranged by Arlington Mortgage of Falls Church.

Dedication of the new Research and Development Building for Vega Precision Laboratories was held on a rainy afternoon in April 1972. Ceremonies were moved from the front portico to an unoccupied model shop inside.

The weather, however, did not dampen the spirits of those participating. D. Matt Kruchko, Executive Vice President of Vega, presided graciously as master of ceremonies over a program which included addresses by Mayor Joseph Spriggs of Vienna, Vega President Dana F. Gumb, Architect Paul H. Barkley, Jr., and Representative Joel T. Broyhill of Virginia's Tenth District.

Representative Broyhill's supportive remarks for expanded industrial growth in Northern Virginia were warmly received by the crowd of several hundred. He emphasized the many advantages gained by the community from taxes earned on such development. These included the support of many needed social and community development programs planned or underway in the area.

Featured entertainment consisted of a tribute to Glenn Miller by the Oakton High School Stage Band. The invocation and benediction were given by Rev. Edward J. Corcoran, O.S.F.S. of Our Lady of Good Counsel Church, Vega's next door neighbor.

Edsall Corporation of Springfield was the general contractor, with subcontractors and suppliers as follows:

From Arlington were—Arlington Iron Works, Inc., steel; Perrin & Martin, Inc., roofing; D. Compe & Son, Inc., plaster & drywall; Roanoke Engineering Sales Co., Inc., steel doors & bucks; and, Calvert-Jones Co., Inc., air conditioning, heating & ventilating.

Alexandria firms were—Cannon Construction Corp., masonry; Allen Glass Co., Inc., window walls & glazing; Higham Co., Inc., painting; Mc-Clary Tile, Inc., ceramic tile & terrazzo; Virginia Communications & Sound, Inc., sound system; and, Newton Asphalt Co., Inc., paving.

Others were: John Driggs Co., Inc., Hyattsville, Md., excavating; D & B Contractors, Inc., Merrifield, concrete; Bethlehem Steel Corp., Washington, D. C., steel joists; American Stone, Inc., Newington, precast stone work; American Seating Co., Silver Spring, Md., seating; Crawford Door Sales Corp., Lorton, overhead doors; The Shade Shop, Ravensworth Industrial Park, Springfield, venetian blinds; Aluminum Plastic Products Corp., Beltsville, Md., louvers; and, John H. Hampshire, Inc., Bladensburg, Md., demountable partitions.

And, Virginia Waterproofing Co., Inc., Washington, D. C., waterproofing; Southern Floors & Acoustics, Inc., Merrifield, acoustical tile; Flooring Associates, Inc., McLean, resilient tile; Global Steel Products Corp., Deer Park, N. Y., toilet partitions; L & S Distributors, Inc., Beltsville, Md., building accessories; Arlington Woodworking & Lumber Co., Inc., McLean, millwork; W & W Fabrication, La Plata, Md., handrails & miscellaneous metal; Interstate Electric Supply Co., Inc., Fairfax, lighting fixtures; Bee & H Electric Co., Fairfax, electrical work; Arvex, Inc., Vienna, plumbing; Barbee-Curran Elevator Co., Inc., Washington, D. C., elevator; and, Fries, Beall & Sharp Co., Springfield, hardware.

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to tell the Virginia Story

NOVEMBER 1972



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EDWARD G. CARSON LANDSCAPE ARCHITECT

•

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THIS dining facility for Little end Creek Amphibious Base, serves file servicemen who occupy several barracks which are located in the immediate area. The building contains we three separate dining areas, each provided with its own entrance. Two dishwashing rooms are provided, each located near an exit. Upon completion le of their meals, the servicemen deposit their trays on the dishwashing machine conveyors which are located near the exits.

A major basis of design consideration was flexibility to facilitate possible future rearrangement of food service equipment. Therefore, a crawl space under the floor was provided to afford easy accessibility to plumbing and mechanical work for revisions necessitated by future relocation of partitions or equipment.

A screen of bronze-tone aluminum panels and battens was provided around the perimeter of the roof to conceal the roof mounted heating and air conditioning equipment items.

The crawl space provide under the

to tell the Virginia Story

entire floor area has resulted in the floor level being approximately three feet above the finish grade around the building. An eight-foot-wide concrete walkway has been located around the building, giving the appearance of the building being located upon a podium. Steps and ramps between the podium level and the finish grade level are provided around the structure at appropriate locations.

The principal exterior materials are precast architectural concrete, brick, and bronze-tone aluminum framing members and panels. The exterior walls at the three dining areas are generally bronze-tone glass.

The floor finish generally throughout the building is quarry tile although carpeting is being provided in portions of the dining areas. The interior partition finishes are generally exposed concrete masonry units with ceramic tile wainscots being provided at appropriate locations.

Robert R. Marquis, Inc., of Portsmouth, was general contractor and handled foundations & concrete. ROBERT R. MARQUIS, INC. GENERAL CONTRACTOR

Subcontractors & Suppliers

(Norfolk firms unless otherwise noted)

Ferrell Bros., Inc., Va. Beach, excavating; Snow, Jr. & King, Inc., masonry; Tidewater Steel Co., Inc., steel; Chesapeake Steel, Inc., steel roof deck; Fowler Roofing Co., Inc. roofing; Economy Cast Stone Co., precast architectural concrete; Walker & Laberge Co., Inc., windows & glazing; and, Sa-Bill Construction Co., Va. Beach, acoustical.

Also, Febre & Co. of Norfolk, Inc., plaster; David G. Allen Co., Inc., Raleigh, N C., ceramic & quarry tile & resilient tile; Campostella Builders & Supply Corp., millwork; Withers, Clay, Utley, Inc., steel doors & bucks; Woodington Electric, Inc., lighting fixtures & electrical work; Spindel & Sons Plumbing, Heating & Air Conditioning, Portsmouth, plumbing; Bodner & Manuel, Inc., air conditioning, heating & ventilating; Door Engineering Corp., hardware; and, Atlantic Equipment Corp., food service equipment.

WARD AND HALL, AIA AND ASSOCIATES - ARCHITECTS



(Photography by J. Alexander)

THE NATIONAL BANK OF FAIRFAX

King's Park Shopping Center, Burke

SHEFFERMAN & BIGELSON Consulting Engineers, Mechanical & Electrical

> ALLISON-MEYER Consulting Engineers, Structural

AMERICAN FURNITURE & FIXTURE CO., INC. INTERIOR DECORATOR

EUGENE THOMAS CONSTRUCTION CO., INC. GENERAL CONTRACTOR

.

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VIRGINIA RECORD

THE executive offices of The Na-tional Bank of Fairfax have been moved to new quarters in the recently completed building at Kings Park in Fairfax County. The bank, one of the area's oldest financial institutions, was chartered in Fairfax City in 1902. This move represents an attitude of aggressive expansion to provide greater convenience for the customers of the bank and to better serve a rapidly growing residental and business community. This attitude is expressed in the contemporary design by Ward and Hall and Associates, AIA, Architects. The bold masonry exterior walls with round corners express the stairway to the executive offices and soften the overall appearance of the building.

Special molded brick shapes at the windows and the soft off-white color of the brick itself, together with the bronze glass and aluminum, help to impart a feeling of strength and security.

The building contains 5,800 square feet of floor area with public banking space on the first floor and with offices, board room and employees lounge on the second floor.

Carpeting, vinyl wall covering and exposed brick are used extensively on the interior.

Eugene Thomas Construction Co., Inc., of Alexandria, was general contractor, and handled excavating, foundations, concrete & carpentry.

Subcontractors & Suppliers

From Alexandria were: T. D. Fraley & Sons, Inc., masonry; James Steel Fabricators, Inc., steel; Virginia Roofing Corp., roofing; Higham Co., Inc., painting, vinyl wall covering & waterproofing; Hillmuss Enterprises, acoustical; Marty's Floor Covering Co., Inc., resilient tile; Becker Electric Co., Inc., electrical work; and, The Krafft Co., air conditioning, heating & ventiating.

Others were: Associated Glass Co., Inc., Fairfax, windows & glazing; Davenport Insulation, Inc., Springfield, insulation; Dodd Brothers, Inc., Falls Church, plaster; Boatman & Magnani, Inc., Hyattsville, Md., eramic tile & slate; Herndon Lumber & Millwork, Inc., Herndon, millwork; Blumcraft of Pittsburgh, Pittsburgh, Pa., handrails; Lightoiler Co., Inc., Washington, D. C., lighting fixtures; American Standard, Washington, D. ., plumbing fixtures; Dickson & Co., airfax, plumbing; Hardware Conractors, Inc., Arlington, hardware; nd, Douglas Distributing Corp., Vashington, D. C., kitchenette.





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RICHMOND, VIRGINIA

GENERAL CONTRACTOR - CLOVERLEAF MALL

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VIRGINIA RECORD

Cover Story:

CARNEAL AND JOHNSTON - ARCHITECTS-ENGINEERS



AUSTIN BROCKENBROUGH AND ASSOCIATES CONSULTING ENGINEERS

to tell the Virginia Story

CONTRACTORS: BASS CONSTRUCTION COMPANY THE MALL

> TAYLOR AND PARRISH, INC. SEARS, BARCLAY'S FINE JEWELERS, HARMONY HUT, LORD HARDWICKE INN, O'NEILL'S, SINGER CO., WORTHS, ORANGE BOWL AND ZALE'S JEWELERS

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Photography by James M. McElroy NOVEMBER 1972

STANLEY W. ABBOTT LANDSCAPE ARCHITECT



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VIRGINIA RECORD

THE Mall as it exists today is the first phase of a three department store enclosed-mall regional shopping center. It is located in Chesterfield County at the intersection of U. S. Route 60 and Chippenham Parkway on a sixty acre parcel of land.

The two department stores in Phase I are Sears and J. C. Penney, which anchor the east and west ends of the mall. Thalhimers will open in August 1973 and will anchor the south end of the cross mall.

The principal architectural feature of the Mall is the center court located at the intersection of the two malls. The ceiling of the center court features a combination redwood and aluminum grille. The twenty foot diameter pool, three crystal trees and falling water form the floor level.

Each of the department store courts also contain pools with moving water, lighting and planting.

The mall floor is a combination terrazzo and terra cotta tile arranged to break up the large expanses. The mall ceiling is two foot square, regressed exposed-tee acoustical tile with recessed incandescent downlights. Spaced throughout the mall are floor mounted multi-globe post lights. All lighting in the mall is kept to a low level to highlight the store fronts and interiors.

The exterior of all buildings is a combination of brick, stucco and preformed cement asbestos panels.

All utilities are underground including electric service.

All air conditioning for the mall and small stores is the roof-top type. The units have been screened from view by a six foot parapet wall.

Flanking the main entrance are two free form steel sculptured pieces by Dick Cossitt.

When completed in August 1973, the center will contain 740,000 square feet composed of seventy-six stores and a free standing bank.

In addition to the "anchor" stores, Cloverleaf Mall also contains a wide variety of boutiques, shops, restaurants, and even a twin-movie theatre.

For example, there are already seven shoe stores, with two more to be added







to tell the Virginia Story

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SEARS, CLOVERLEAF MALL





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VIRGINIA RECORD

in phase two. A large variety store is in operation along with seven men's ready-to-wear shops.

Of course, the ladies must never be left out; there are seven women's ready-to-wear shops and three more to be opened in 1973. The girls will also enjoy the two fine jewelry stores and can shop for that special occasion in two gift shops. The ladies can also have a photo taken of their children at a kiosk in the Mall; buy the tot a pet or a book in the pet store and book shop. Need a uniform for work? Need a record for musical enjoyment? You'll find these things at Cloverleaf Mall.

Maternity clothes, sewing machines, fabrics, candles, cards, photo supplies, toy store, optician and drug store?— All are inside the Mall with plenty of convenient parking just outside—up to 5000 cars.

Current and future tenants to date are as follows: **Baker's** Shoes Barclay's Fine Jewelers Barricini Candy The Children's Photographer Clover Patch (Jr. Size Store) (1973 opening) Bresler's 33 Flavors **Butler's Shoes** Chess King DeYoung Shoes of Washington District Theatres—Cinema I & II Docktor Pet Center #21 Fabric Tree Fine's Men's Shop First & Merchants National Bank 5-7-9 Shops (1973 opening) Florsheim Shoe Shop Flair, Inc. Foxmoor Casuals Greentree's (1973 opening) Hanover Shoes The Harmony Hut Joseph R. Harris (opening soon) Harvey's Ties Hickory Farms of Ohio Hofheimer's (1973 opening)

to tell the Virginia Story

(1973 opening)

Jay Aldon

Jeans West K & K Toys (1973 opening) Kinney Shoes Life Uniforms (Angelica Corp.) La Vogue Southside, Inc. (1973 opening) Lord Hardwicke Inn Maharajah Enterprises (opening soon) McCrory's j j Morley Mortimer's (1973 opening) Motherhood Maternity Shops Ms'tique (Jr. Store) (1973 opening) Nature Food Centers O'Neill's Cards & Peggy's Candles The Orange Bowl Parklane Hosiery J. C. Penney Co., Inc. Peoples Service Drug Store **Piccadilly** Cafeteria Sears, Roebuck & Company The Singer Company Spencer Gifts (opening soon) The Stag Shops, Inc. Stuart's Susie's Casuals (Henrico Casuals) Swiss Pretzel Shop Thalhimer's (1973 openng) Thom McAn Vacar Barber Shop Vacar Beauty Shop Walden Books Ward's Sight 'n Sound (1973 opening) Worth's Zale's Jewelers Subcontractors & Suppliers

THE MALL

(Richmond firms unless otherwise noted)

Tidewater Materials Corp., concrete; Southern Brick Contractors, Inc., masonry; Montague-Betts Co., Inc., Lynchburg, steel & erection & metal wall panel; H. Beckstoffer's Sons, millwork; Waco Insulation, Inc., insulation; Consolidated Tile Co., Inc., acoustical ceiling; Wilton & Denton, Inc., metal studs & drywall; Pleasants Hardware, finish hardware; N. W. Martin & Bros., Inc., roofing; Martin Tile & Marble Co., Inc., terrazzo & ceramic tile; E. S. Chappell & Son.,

NOVEMBER 1972

Inc., caulking; Sash, Door & Glass Corp., glass & entrance; W. W. Nash & Sons, Inc., painting & decorating; Catlett-Johnson Corp., plumbing, heating & air conditioning; Central Electrical Service Corp., electric; and, Worsham Sprinkler Co., Inc., Mechanicsville, sprinkler system.

Subcontractors & Suppliers

SEARS

(Richmond firms unless otherwise noted)

J. S. Archer Co., Inc., folding partitions & toilet partitions; J. W. Bastian Co., Inc., mechanical; Bethlehem Steel Corp., reinforcing steel; Blakemore Construction Corp., paving; Cates Building Specialties, Inc., overhead rolling doors & traffic doors; E. S. Chappell & Sons, Inc., caulking; Consolidated Tile Co., Inc., acoustical ceiling & resilient floor; Epic Metals, Pittsburgh, Pa., floor deck & roof deck; E. C. Ernst, Inc., Va. Beach, electric; W. O. Grubb Steel Erection, Inc., steel erection; Hammond Masonry Corp., Sandston, masonry; and, George Hebenstreit, Alexandria, toilet accessories.

Also, Ickes-Braun Glass Houses, Inc., Chicago, Ill., skylight material; Oliva & Lazzuri, Inc., ceramic & quarry tile; Owen Steel Co., of N. C., Inc., Gastonia, N. C., structural steel; Paris Shade Shoppe, Inc., drapery tracks; Parking Lot Maintenance, Inc., Va. Beach, parking lot lines; Roanoke Engineering Sales Co., Inc., steel picket fence; Sash, Door & Glass Corp., storefront, glass & glazing; Street & Branch, Inc., painting & wall covering; Tom Jones Hardware Co., Inc., finish hardware; Tronco Sales Corp., metal doors & frames; The Wearn Lumber Co., Charlotte, N. C., millwork & doors; Walcon Corp., metal panels for fascia; Whitley, Inc., roofing, sheet metal & waterproofing; Williams & Harvey Nursery, landscaping; and, Worsham Sprinkler Co., Inc., Mechanicsville, sprinkler system.

Subcontractors & Suppliers

PENNEYS

(Richmond firms unless otherwise noted)

Nick Ulisse, sitework & concrete placement; Bethlehem Steel Corp. (Ulisse's contract), reinforcing—furnish; Lone Star Industries, Inc. (Ulisse's contract), concrete supplier; Colonial Steel Corp., Salisbury, N. C., structural steel; Tri-State Erectors, Inc., Greensboro, N. C., structural steel erector (sub of Colonial Steel); Inland-Ryerson Construction Products Co., Baltimore, Md., metal decking;

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Acme Steel Door Corp., Brooklyn, N. Y., hollow metal doors & frames; Walker & Laberge Co., Inc., Norfolk, aluminum doors & frames; glass & glazing, mirrors, store front system trim, exterior fence & gates & Plexiglass domed roof; and, Roanoke Engineering Sales Co., Inc., vertical sliding fire doors & metal toilet compartments.

Also, The Mosler Safe Co., Baltimore, Md., vault door & frame (furnish only); Commercial Hardware Co., Baltimore, Md., finish hardware (furnish only); F. Richard Wilton, Jr., Inc., lath & plastering, metal furring, metal lath, gypsum lathing, steel stud partition systems, plastering accessories, plaster, gypsum drywall & sprayed-on fireproofing; Standard Tile Co., Inc., Verona, tile work, tile & marble work, quarry tile; The Poole & Kent Corp., mechanical; Fischbach and Moore, Inc., electrical; Haughton Elevator Co., Toledo, Ohio, moving stairways; and, W. W. Moore & Sons, Inc., oildraulic elevators.

And, Worsham Sprinkler Co., Inc., Mechanicsville, sprinkler system; Exposiac Industries, Inc., Winston-Salem, N. C., precast architectural concrete; H. Beckstoffer's Sons, finish carpentry; Diversified Contractors, Inc., Towson, Md., porcelain enamel; W. Morton Northen & Co., Inc., acoustical treatment, resilient flooring, stair covering & entrance mats; American Store Equipment Corp., New York, N. Y., prefabricated gasoline island shelter supplier; Bat Masonry Co., Inc., Lynchburg, masonry; Fred S. Gichner Iron Works, Inc., Beltsville, Md., miscellaneous iron & roof scuttles; Alexander Waterproofing Co., waterproofing, caulking & sealants; J. S. Archer Co., Inc., motor operated rolling shutter door, wood overhead doors; W. W. Nash & Sons, Inc., fabric wall cover, painting & finish, vinyl fabric wall covering & sprayed fireproofing; The Kelley Co., Inc., c/o Charles H. Hodges & Son, Inc., Baltimore, Md., dock levelers & bumpers; Frommelt Industries, Inc., c/o Charles H. Hodges & Son, Inc., Baltimore, Md., dock pads; and J. B. Eurell Co. of Va., light weight insulating concrete.

Subcontractors & Suppliers MISCELLANEOUS STORES (Richmond firms unless otherwise noted)

Allied Glass Corp., glass & glazing for The Orange Bowl, Lord Hardwicke Inn & J. R. Harris; J. S. Archer Co., Inc., hollow metal doors & frames for Lord Hardwicke Inn & Singer Co.; Pleasants Hardware, finish hardware for Worths, O'Neill's & Singer Co.;

Rabe Electric Co., Inc., electric for The Orange Bowl; Sash, Door & Glass Corp., glass, glazing & aluminum for Worths, O'Neill's, Barclays Fine Jew-elers & The Harmony Hut; Stonnell-Satterwhite, Inc., ceramic & quarry tile for Lord Hardwicke Inn & J. R. Harris; Tronco Sales Corp., doors & frames for Worths; Varina Electric Co., Inc., mechanical & electrical for Worths, Singer Co., J. R. Harris, Flor-sheim Shoes, Vacar Barber & Beauty Shops, Peoples Service Drug Store & the developer's space; Westover Plumbing & Heating, Inc., plumbing for The Orange Bowl, The Harmony Hut & J. R. Harris; Worsham Sprinkler Co., Inc., Mechanicsville, sprinkler system for all stores; J. W. Bastian Co., Inc., mechanical for O'Neill's & Barclay's Fine Jewelers; and, H. Beckstoffer's Sons, millwork for O'Neill's & Worths.

Also, Binswanger Gla Co., Inc., glass, glazing & aluminu n for Singer Co.; Catlett-Johnson Corp., plumbing for Lord Hardwicke Inn; Consolidated Tile Co., Inc., acoustical ceiling & resilient floors for Barclay -s Fine Jewelers, J. R. Harris & O'N emill's; Dominion Heating & Air Condi ____ioning, Inc., mechanical for The Har mony Hut & The Orange Bowl; Fence Lley Floor & Ceiling Co., acoustical cei ling & resilient floors for Worths, T he Harmony Hut, The Orange Bow and Lord Hardwicke Inn; Manson See Utley, Inc., Co.; W. W. floors & ceiling for Singer Nash & Sons, Inc., pairs coverings for Barclay's ting & wall ne Jewelers, The Harmony Hut, The < **D**range Bowl & J. R. Harris; and, No thside Electric Co., electrical for 📡 Vorths, Barclay's Fine Jewelers, O* Neill's, The Harmony Hut & Lord Harmony dwicke Inn.



to tell the Virginia Story



ARANYI, MURRELL AND ASSOCIATES - ARCHITECTS



EUROPEAN HEALTH SPA – VIRGINIA BEACH

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FOX-SADLER CO., INC. - GENERAL CONTRACTOR

H EALTH enthusiasts have been using the new facilities of the European Health Spa in Virginia Beach since October 1971. The spa, designed for Health Industries, Inc., the third such facility in the Tidewater area, provides a relaxing atmosphere in which to exercise and relieve the tensions of the day.

The building was planned and designed to be constructed by standard building procedures. The floor is concrete slab, the interior walls are concrete block, and the roof is the builtup type over open-web steel joists. Air conditioning units and ventilators located on the roof are hidden from view by a high stucco fascia.

The exterior of the spa is of rough, textured split-block concrete masonry units, accented by smooth concrete masonry wing walls and a staggered white stucco fascia, which enhances the sharp lines of this contemporary one-story facility.

Immediately upon entering the spa,

to tell the Virginia Story



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RICHMOND, VA. 23219

MAIL ORDERS HANDLED PROMPTLY

one becomes surrounded by the feeling of elegance through the use of tasteful lighting, carpeting, vinyl wall fabrics, and furnishings in the lounge and snack bar, which are indicative of the entire 6600 square foot facility.

The exercise room provides facilities for 100 persons to exercise in an atmosphere of mirrored walls, wall-towall carpeting, and chandeliers.

After exercising one can relieve that feeling of tiredness in the sauna, steam room, or whirlpool. For the more hardy, an ice plunge is provided. Other facilities provided are: a redwood paneled inhalation room, sun booths, massage room, and a swimming pool.

The pool area walls are of splitblock concrete masonry units like the exterior. There has been extensive use of ceramic tile, acoustical ceilings and carpeting to keep the spa as maintenance free and noiseless as possible.

Fox-Sadler Co., Inc., of Virginia Beach, was general contractor.

Subcontractors & Suppliers

From Virginia Beach were: Century Concrete Services, Inc., foundations & concrete; Ferrell Bros., Inc., carpentry; Hitt Electric Corp., electrical work; Sam Finley, Inc., piping; Forrest Exterminating Service; and, Jo-Pa Co., pools.

Norfolk firms were: W. R. Hall Jr., excavating; J. L. Construction Co., Inc., masonry; Chesapeake Steel, Inc., steel & steel roof deck; Roof Engineering Corp., roofing; Binswanger Glass Co., Inc., window walls; Shaw Paint & Wall Paper Co., Inc., painting; Hampton Roads Plastering Co., Inc., plaster; Ferrell Linoleum & Tile Co., Inc., ceramic tile; Elliot & Co., Inc., millwork; Door Engineering Corp., steel doors & bucks; Manson & Utley, Inc., air conditioning; Bodner & Manuel, Inc., heating & ventilating; and, Baker Sheet Metal Corp., hardware.

Also, Spindel & Son Plumbing, Heating & Air Conditioning, Portsmouth, plumbing fixtures & plumbing.

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We're committed to the fight against alcoholism,

to tell the Virginia Story

not only because of the private hell it creates for millions of people; but also because treatment of alcoholism and the conditions which frequently accompany it are an important factor in the rising cost of health care in America.

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HIGHFILL AND ASSOCIATES, INC. - ARCHITECTS



ST. BARTHOLOMEW'S EPISCOPAL CHURCH Richmond

BRANDT AND ASSOCIATES CONSULTING ENGINEERS, MECHANICAL

BARBARA G. GOODWIN INTERIOR DESIGNER

WHITEHEAD-LEACH CONSTRUCTION CO. - GENERAL CONTRACTORS

CONSTRUCTION is now under way for the new St. Bartholomew's Episcopal Church.

When it is completed however, it will not necessarily resemble other churches, even those being built today. Most churches whether of contemporary or traditional design, still generally fall into the classical approach to de-



sign. The Nave structure ends up being spacious, or so called awe-inspiring, a monument, if not to its God, at least to man.

Not so at St. Bartholomew's. Its vicar, the Rev. Hugh Whitesell, and its Building Committee, chaired by John Nugent, were tired of monuments, tired of "churchey" buildings, and other forms of artificial idols. The building should essentially shelter "people activities," provide flexibility, and encourage multi-use, its building committee declared.

When Highfill and Associates, architects, engineers, and planners were chosen to design the new facilities, they concurred with the ideas of the building committee. After reviewing the building program, C. Page Highfill, AIA indicated that the space requirements called for about twice the space allowed by the budget. This is not an unusual situation, according to the architects, since most clients are optimistic about their facility needs. In this case however, the committee had the flexibility and determination to follow through with their optimism. A building of about 6,000 square feet was designed, which could accommodate 12,-000 sq. ft. of program needs by the use of multi-purpose spaces.

Many churches, unfortunately, go through the ritual and expense of building several single purpose buildings that stand vacant neary 85% of the time. Here the intention was that one assembly space, or "people space" could house most desired functions, from weddings, receptions, fellowship dinners, theatrical performances, to worship services.

It is accomplished through a process of folding partitions. If, for example, you isolate the chancel, close off the most sacred portion of today's church structure, then the remaining assembly space can be put to many uses.

An example is the instance where

250 people are assembled for the purnose of worship and also desire to assemble for a banquet. Two assembly spaces cannot be justified here, anymore than two theaters for a two act play can be justified. With various focal points, and movable seating, any number of activities can be housed. The savings in space and resulting dollars are significant.

An outside design critic questioned the quality of the worship space. The question posed was, is the multi-purpose space conducive to worship? Or does it resemble the ordinary multipurpose room?

In this case the architects and the building committee feel it is *more* conducive to worship than perhaps a single-purpose Nave. The relative term is "worship."

In their opinion, a conventional or classical approach to the Nave, would be a grandious space as awe-inspiring as possible, with hopefully the intentions of echoing man's glory to God. Today, it is questionable if it would be genuinely interpreted that way.

In the past, the largest, and perhaps most inspiring structures were churches, or cathedrals. Today's church-needs appear to be more human needs, more individually oriented and less grandiose. People today appear to require a sense of identity more than a showplace.

In contrast with the past, there are other showplaces, monuments, and awe-inspiring structures all around us, from multi-million dollar coliseums, to space-craft hangers, all of which absolutely dwarf todays economic efforts within the church to build mini-cathe-



drals. That is in itself a dying effort and perhaps rightfully so. The successful churches today strive first to be meaningful to people's lives, and their buildings should radiate the same concern. Because of this, parts of the ceiling structure in St. Bartholomew's Nave can almost be touched from the floor. It is hoped the heavy timber trusses will impose slightly upon anyone who enters. This is the structure's way of expressing its part in people's lives—not out of reach, or lofty, but right there.

Part of the disciplines of the design process was construction cost. The selection of a contractor at the beginning of the design phase was a factor in successfully incorporating a 12,000



sq. ft. program in a 6,000 sq. ft. building. Traditionally, the general contractor is involved after the design and materials have been finalized; however, by making the contractor a part of the team, he can act as a barometer and advise the architect as to current labor and materials cost, while reflecting the overall economics of the entire project, before final prices are in. This allows economic decisions to be made early in the design process, instead of creating the need for costly changes later.

The completed building, which is scheduled for occupancy by Christmas, has a series of pitched roofs on the exterior. The facade is textured, natural stucco finish with recessed, tinted glass walls that permit a commanding view of the wooded site from all sides.



One side looks over an outdoor chapel which is planned for special sunrise services, and youth activities.

The resulting building may not look like a conventional church, particularly not like a mini-cathedral. But, it was explained "it shouldn't."

The design for this building is considered a by-product of many viewpoints in addition to the architects'. The congregation, its planning committee, the general contractor and all the subcontractors were directly involved.

The architects feel that the realistic thinking at St. Bartholomew should be a beacon to other congregations, in that it reflects the needs of so many church groups today. Their courage in not conforming, and their request to have a building designed to reflect their beliefs rather than some "popular artificial standards, is to be commended," according to Highfill. "We are proud to have been a part of that process."

Whitehead-Leach Construction Company of Richmond was general contractor, and handled excavating.

> Subcontractors & Suppliers (All Richmond firms)

J. Carrington Burgess Masonry Contractor, Inc., masonry; Liphart Steel Co., Inc., steel; Smith Door and Window Specialties, windows; TMS Builders Supply, carpentry & millwork; S. P. Terry, painting; Ace Electric Co., Inc., electrical work; Joe P. Clark Plumbing & Heating, plumbing; and, Colonial Trane Air Conditioning Co., air conditioning, heating & ventilating.

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VIRGINIA RECORD

WALLER AND SADLER - ARCHITECTS



PEOPLES BANK OF VIRGINIA BEACH

CHARLES THAYER CONSULTING ENGINEER, STRUCTURAL E. H. BOWMAN & ASSOCIATES Consulting Engineers, Mechanical & Electrical EDWARD CARSON LANDSCAPE ARCHITEC

BARRON'S, LTD. INTERIOR DESIGNER

FFICIALS of the Peoples' Bank of Virginia Beach impressed upon the architects at their initial meeting their desire that the bank design be warm, informal, and inviting. They stressed their feeling that the structure should not be of a monumental, imposing nature, so often found in the appearance of banks. This desire for a friendly, personal building character resulted in the selection of California Redwood as the primary exterior building material. Other exterior materials include cedar shingles, brick, and medium bronze tone aluminum sections and panels, all selected to be warm and earthy in texture and color.

The president and vice president requested that their areas be partially concealed and secluded, yet not completely separated from the lobby and tellers' areas. The floor plan which evolved from this request located the desks and conversation furniture groupings for these officials in alcove-like areas which afford them reasonable privacy while permitting their visual control of the lobby and tellers' areas. Three brick columns on each side of the lobby serve to further seclude these officers and define the limits of the lobby. A conference room is conveniently located between the president's and the vice president's areas.

The vault and conference room are equal size elements located at oppo-

to tell the Virginia Story

site ends of the floor plan. These two areas are brick faced with the brick extending from the exterior into the interior. The other major interior wall finish material is vinyl wall fabric. The floor finish generally throughout the building is carpet. An area of glazed brick is provided as the floor finish immediately in front of the tellers' counter.

The cedar shingles mounted on the roof provide a screen, concealing roofmounted mechanical items.

Meredith Construction Company, Inc. of Norfolk, was general contractor, and handled excavating, concrete, carpentry, insulation and millwork. GENERAL CONTRACTORS

MEREDITH CONSTRUCTION CO., INC.

Subcontractors & Suppliers

(Norfolk firms unless otherwise noted) J. L. Construction Co., Va Beach, masonry; Chesapeake Steel, Inc., steel & steel roof deck; Roof Engineering Corp, roofing; Binswanger Glass Co., Inc., windows; and, Shaw Paint & Wall Paper Co., Inc., painting.

Also, Jayen Tile Corp., ceramic tile; Door Engineering Corp., steel doors & bucks; J. B. Basnight, Va. Beach, lighting fixtures & electrical work; W. W. Merriam, plumbing; Bodner & Manuel, Inc., air conditioning, heating & ventilating; Baker Sheet Metal Corp., hardware; and, Cavalier Nurseries, landscaping.



FORREST COILE AND ASSOCIATES - ARCHITECTS-ENGINEERS





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A REAL PROPERTY AND A REAL

Architect's/Engineer's Office Building

BOYCE BLANCHARD ASSOCIATES

CONSULTING ENGINEERS, MECHANICAL & ELECTRICAL

FOCAB CORP. GENERAL CONTRACTOR

Photography by Taylor Lewis & Associates, Dockside Studio

W HEN an architectural firm designs and builds their own building they are at once making a public statement as well as showing their professional concern for the area in which they practice. This, in itself, is an intimidating challenge which presents a problem unique to this type of office.

Here the architects elected to design a building that would quietly relate to its suburban wooded site, a structure that would be pleasant to work in, and one which would simultaneously provide their new office with its own identity. With these standards established what followed was the creation of a visual signal of better services to their clients and a recognition of their responsibilities to their community.

With such a naturally landscaped surrounding the decision was made to attempt to have the building live in harmony with the site. A subsequent resolution was that the building should not be built with the obvious rustic materials one associates when "blending with nature" but to achieve this harmony within the framework of materials resulting from today's technology.

The exterior siding is unpainted "weathering steel"-an alloy which is intended to rust until it reaches its ultimate warm charcoal brown color. These panels are framed by concrete buttresses with a coarse corduroy texture achieved by pouring the concrete into ribbed forms and later hammering the concrete rib faces to expose the aggregate. The slanted window frames are black anodized aluminum which encase fixed solar grey glass. Beneath this window band is a bulkhead of unpainted lightweight concrete masonry units laid in a stacked bond with deep raked mortar joints.

Upon entering the architects' office a visitor is exposed to a sky-lighted gallery in which the works of various artists and photographers are displayed on a periodically rotating basis. Surrounding the gallery, or reception area, is an informal arrangement of secretarial and administrative spaces, two spaces for architectural designers, and an interior design department. In the central portion is the drafting room which has been planned to facilitate the firm's philosophy of the team approach to architectural development. Low partitions define spaces in which a project team of four achitectural staff members work together. Other spaces within the drafting area are two offices for general and technical project management and a specification center with its computer terminal.

The architects' offices occupy 5,900 square feet of the building's 7,600 square feet. The remaining 1,700 square feet is occupied by a mechanical and electrical engineering firm. There is a separate entrance for this office. Here the drafting room is subdivided into cubicles and offices accomodating one engineer in each.

Subcontractors & Suppliers

From Newport News were: E. W. Muller Contractor, Inc. and C. A.

Barrs Contractor, Inc., excavating & site improvements; Benson-Phillips Co., Inc., concrete; Henry S. Hatchett, carpentry & formwork; Pompei Tile Co., Inc., ceramic tile; A. M. Savedge Co., electrical work; Wood Plumbing Co., Inc., plumbing, air conditioning, heating & ventilating; and, G & G Tile Co., Inc., Heugatile carpeting installation.

Hampton firms were: Chesapeake Masonry Corp., masonry; Heath Roofing Co., Inc., roofing; and, Walker & Laberge Co., Inc., windows & glazing.

Others were: Hall-Hodges Co., Inc., Norfolk, foundations (reinforcing steel); Standard Iron & Steel Co., Inc., Norfolk, steel; H. H. Roberston Co, Pittsburgh, Pa., steel siding; Shaw Paint & Wall Paper Co., Inc., Norfolk, painting; W. Morton Northen & Co., Inc., Richmond, acoustical; F. Richard Wilton, Jr., Inc., Richmond, plaster; U. S. Plywood, Norfolk, wood doors; Tom Jones Hardware Co., Inc., Richmond, hardware; and, Winn Nursery, Inc., Norfolk, planting.



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VIRGINIA RECORD

WILEY AND WILSON - ARCHITECTS-ENGINEERS



(James M. McElroy)

C. L. LEWIS AND COMPANY, INC. - GENERAL CONTRACTOR

LYNCHBURG'S new outdoor elevator, the first of its type in the state and possibly the region, has been put in service linking Church and Court Streets.

Court Street is parallel to Church Street but nearly 100 feet higher.

To provide the needed access, Wiley & Wilson designed the new eight-story elevator and a connecting bridge. The base of the structure is located in the present Police Department parking lot at the south end of City Hall on Church Street. The tower will provide a vertical lift of 60 feet from Church Street to the bridge which connects with the city parking lot and governmental complex on the east side of Court Street.

The structure is a frame of exposed weathering steel with tinted glass walls. The elevator car is principally of glass. The steel framing is a new product which requires no maintenance or painting, and is weathering to a rich reddish-brown color.

Load capacity of the car is 17 passengers or 2500 pounds, and the car operates at a speed of 350 feet per minute. The unit is completely automatic, actuated by passenger operated push buttons. All modern safety features have been incorporated into the design.

The elevator and bridge offer a convenient and less strenuous alternate route to the 139-step climb of Monument Terrace which had been the only previous pedestrian link.

C. L. Lewis & Company, Inc., Lynchburg, was general contractor.

Subcontractors & Suppliers From Lynchburg were: Woodall & Lang, Inc., sheetmetal, roofing & waterproofing; J. D. Crance Co., painting; J. B. Moore Electrical Contractor, Inc., electrical; Southern Air, Inc., exterior pipe work; Campbell & Graves Co., Inc., steel erection; and, Charles F. Hurt & Associates, construction stakeout.

Also from Lynchburg were: Lynchburg Ready Mix Concrete Co., Inc., concrete; Lightweight Block Co., Inc., lightweight block; Taylor Bros., Inc., common brick; Thornhill Sales Co., building letters; and, Bailey-Spencer Hardware Co., Inc., hardware. Others were: The PREPAKT Con-

Others were: The PREPAKT Concrete Co., Cleveland, Ohio, caissons; Pritchard Paint & Glass Co., Durham, N. C., glass & glazing; Westbrook Elevator, Danville, elevator; Valley Steel Corp., Salem, reinforcing steel & wire mesh; Economy Cast Stone Co., Rich-

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Also, General Electric Co., Roanoke, motor & motor generator; Cavalier Distributing Co., tile; Formica Corp., Cincinnati, Ohio, formica; Roll Form Products, Inc., Charlotte, N. C., roof deck; Virginia Glass Products Corp., Martinsville, glass; Standard Products Co., Port Clinton, Ohio, gaskets; Belko Co., West Haven, Conn., roof hatch; Penn Ventilation Co., Philadelphia, Pa., roof fan & curb; Shultz & James, Inc., Richmond, unit heater; and, Nesbitt-ITT, Richmond, unit heater.



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VOSBECK VOSBECK KENDRICK REDINGER – ARCHITECTS-ENGINEERS



MARK TWAIN SCHOOL

Rockville, Md.

GLASSMAN CONSTRUCTION CO., INC. GENERAL CONTRACTOR

Photography by J. Alexander



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VIRGINIA RECORD

THE Mark Twain School is a unique educational facility, designed to fulfill three principal functions. It serves the complex needs of young people who are emotionally handicapped. It serves as a staff development center. Additionally, it serves as a specialized research institution.

The school is the first of its kind Its design and curriculum are built around the needs of emotionally handicapped adolescents; those with average or above average intellect, but lacking the ability to relate to society. Mark Twain students have not succeeded be cause of problems in solving academic tasks, in understanding interpersonal

Founded 1878

relationships or achieving self-organization. The curriculum is designed to prepare those students to return to their own schools after a short term enrollment at Mark Twain. Students at the facility are referred from the county school system after extensive staff evaluation. Each student has a specialized program designed to meet his individual needs.

The facility serves 250 students with possible expansion to a maximum of 300. The school is basically three selfcontained units, or schools, which serve three age groups ranging from 11 to 20 years, in grades 6 through 12. The thinking and experience of the various professional disciplines concerned with the handling of the emotionally handicapped indicates that the most success occurs when the students are kept in rather small groups.

Because of the need to minimize student interaction, the circulation is controlled in such a way that there is little occasion for students from the three units to intermingle. Each unit has its own bus drop entrance, classroom grouping, and dining room.

The tacilities which are shared by all of the students include the gym and swimming pool, the arts area, and the instructional resource center. The center is easily accessible to the students and staff through its open access to the main corridor.

The requirements for advanced educational technology were probed deeply during the design process and were thoroughly integrated into the overall design. Highly specialized communications systems and programmed learning systems were designed into the facility in order to assure accurate response to the learning needs of the students. The communications system also aids the school's staff development and research functions.

The 86,500 square foot facility is built on a 22.6 acre wooded site. The program requirement for small outdoor play areas for the younger age groups has been accommodated adjacent to their respective units.

The building construction is basically steel frame with masonry load bearing walls. Over 70% of the building area is carpeted. The partition system in the lower level office areas is demountable and allows for flexibility of arrangement.

The elimination of entrance stairs and the inclusion of an elevator connecting the three levels of the building, results in the elimination of architectural barriers and provides ease of movement for the physically handicapped student.

to tell the Virginia Story



The tonnage of the air conditioning system is reduced by extracting the heat of the lights, which is accomplished by exhausting air from individual spaces through the light fixtures. The mechanical system maintains optimal temperature conditions in exterior and interior zones, regardless of variations in exterior temperature and solar radiation. It is possible to obtain heating and cooling in individual spaces at any time independently of each other.

Mark Twain School, because of its

NOVEMBER 1972

special technologies and accommodations, cost over \$3 million, nearly \$12,-000 per student. The success will not be measured in taxpayer dollars, according to the Mark Twain staff. The measure of success will be when kids can get back to regular schools and cope with their environment.

Glassman Construction Co., Inc., of Washington, D. C. was general contractor.

Subcontractors & Suppliers From Washington, D. C. were: The PAGE FORTY-NINE







Southern Plate Glass Co., windows; Associated Engineers, Inc., site engineering; Allan A. Carney Co., Inc., painting, wall finish & structural tile; Peter Gordon Co., waterproofing; Montgomery Elevator Co., elevator; Schatz Kitchen Equipment, Inc., kitchen equipment; Lyon Metal Products, Inc., lockers, steel shelving; and Estey Corp., educational equipment.

Others were: Adams-Douglas, Inc, Beltsville, Md., excavating; Trowbridge Steel Co., Inc., Sterling, rebars; Rockville Fuel & Feed Co., Inc., Rockville, Md., concrete; Quinn Masonry, Inc., Hagerstown, Md., masonry; American Steel Products Corp., Woodbridge, hollow metal; Montague-Betts Co., Inc., Lynchburg, structural steel, steel joists, forms & deck; American Iron Works, Inc., Bladensburg, Md., miscellaneous metal; Hope's Windows, Inc., Silver Spring, Md., steel windows; and, J. E. Steigerwald Co., Inc., Baltimore, Md, seamless flooring

Also, Acoustical Ceilings, Inc., Merrifield, acoustical, drywall, sprayed asbestos plaster & Plenum barriers; Stevens Tile & Marble Co., Inc., Kensington, Md., ceramic tile; John H. Hampshire, Inc., Bladensburg, Md., resinous flooring; General Swimming Pool Corp., Fairfax, swimming pool; Modernfold of Washington, Inc., Silver Spring, Md., accordian doors; Marty's Floor Covering Co., Inc., Alexandria, carpets; and, Ivan C. Dutterer, Hanover, Pa., millwork.

And, Lamari Electric Co., Wheaton, Md., lighting fixtures & electrical work; Colquitt Sprinkler Co., Inc., Lorton, sprinklers; George W. Burroughs, Silver Spring, Md., plumbing; Southern Mechanical Contractors, Inc., Alexandria, air conditioning, heating & ventilating; Fries, Beall & Sharp Co., Springfield, hardware; and, American Seating Co., Sheldon Equipment Div., Silver Spring, Md., educational equipment.



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THE new Richmond Public Library, which spans the entire 100 block of East Franklin Street across from historic Linden Row, consists of the remodeling and refacing of the original building and the construction of a major addition to the east.

The building has a basement and two floors, totaling 140,200 square feet. The total book stack area is 37,400 square feet with provisions for adding 6,000 square feet in the future.

The addition is framed with concrete and steel columns, with floor slabs of concrete, and steel trusses supporting the roof. Exterior walls are of masonry, plastered inside and sheathed with Kasota stone outside. Windows and entrances have bronze aluminum frames and solar bronze glass. Interior partitions are masonry plastered or metal and glass. Floor finishes are vinyl. Ceil-

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VIRGINIA RECORD

Founded 1878

Photography by James M. McElroy

ings are acoustical with a recessed air diffusing light fixture system.

The entire structure is air conditioned with gas fired boilers and steam absorption units supplying hot and chilled water. The mechanical system is monitored and controlled from the new Richmond City Hall.

The new facility offers 150 percent more space than did the original building. It includes new meeting rooms, an auditorium, a special collections room, a bookmobile garage, and greatly expanded reader and storage space housing 650,000 books.

The new library as designed by Baskerville and Son, Architects and Associated Architect Ben R. Johns, Jr. is a visible monument to Howard Smith, the City Librarian, the Richmond City Government, and to all Virginians who find excitement, pleasure and knowledge in books.

J. A. Jones Construction Company, of Charlotte, N. C., was general contractor.

Subcontractors & Suppliers

(Richmond firms unless otherwise noted)

J. A. Walder, Inc., excavating; Massey Concrete Corp., concrete; N. W. Martin & Bros., Inc., roofing & waterproofing; Hammond Masonry Corp., Sandston, masonry; Century Steel & Iron Co., Inc., Charlotte, N. C., steel, aluminum grating & handrails; B & B Erectors, erection of structural steel; H. H. Robertson Co., Charlotte, N. C., steel roof deck; Empire Granite Corp., stone work & terrazzo; Sash Door & Glass Corp., window walls & glazing; and, Owen Steel Co. of N. C., Inc., Gastonia, N. C., reinforcing steel.

Also, N. Chasen & Son, Inc., painting; O'Ferrall, Inc., acoustical & re-silient tile; John H. Hampshire, Inc., Roanoke, plaster; Stonnell-Satterwhite, Inc., ceramic tile; Miller Manufacturing Co., Inc., millwork; The Staley Co., Inc., steel doors & bucks; Emerson Electric Co., lighting fixtures; The Howard P. Foley Co., electrical work; T. A. Talley Jr. & Co., Inc., plumbing, air conditioning, heating & ventilating; Estey Corp., Red Bank, N. J., library shelving; Virginia Metal Products Div., Gray Mfg. Co., Orange, library bookstacks; Hugh R. Noel Co., Inc., Ellerson, book conveyor; and, Virginia Elevator Co., Inc., elevators & book-lifts.



to tell the Virginia Story

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C. W. HUFF, JR. - J. CARL MORRIS - ASSOCIATED ARCHITECTS



Bethany Place Baptist Church

Chesterfield County

WALTHALL CONSTRUCTION CORP. GENERAL CONTRACTOR

I N March of 1969, the congregation of Bethany Place Baptist Church started work to design a new building to be located on Providence Road in Chesterfield County, this new building to replace the existing facility at Roanoke Street and Midlothian Pike. The church had moved to the location on Midlothian Pike from their former place of worship on Clopton Street.

A master plan was prepared to show the location of the first unit and where the final sanctuary and additional Sunday School facilities would be located



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VIRGINIA RECORD

in the future along with additional parking. Areas for outdoor activities were also considered.

The first unit as designed by C. W. Huff, Jr. and J. Carl Morris, Associated Architects, consists of approximately 10,200 square feet. This includes the interim sanctuary to seat 280, and a fellowship hall with an adjoining kitchen to serve approximately 120 people. The fellowship area is used on Sundays for classroom space and is divided by folding doors. At one end is a stage which is used for services for small groups, for plays and dramas, and for other church functions such as meetings and social gatherings.

The interim sanctuary has permanent pews of traditional design with padded seats, and individual seating for the choir. It is lighted with recessed incandescent fixtures and chandeliers. Pulpit platform, choir and aisles are carpeted.

The educational space has acoustical plaster ceilings, block walls and vinyl asbestos floors. It is furnished to

(Continued on page 121)

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WARREN F. BRAUN — SOUND SYSTEMS DR. LEO CASAGRANDE — SOIL DOYLE AND RUSSELL, INC. — GENERAL CONTRACTOR Photography by James M. McElroy

to tell the Virginia Story

NOVEMBER 1972



Seal on exterior of the Council Chamber, facing north to the Safety, Health and Welfare Building.

ALTHOUGH thoughts of a new City Hall began in the mid-1930's when studies were made, it was not until January of 1962 that Ballou and Justice, Architects & Engineers of Richmond were engaged by the City of Richmond to proceed with the contract documents for a new City Hall.

Prior to this date, the architects had included in the Master Site Plan, the City Hall location to blend with the Safety, Health and Welfare Building and a proposed Courts Building.

The new City Hall began to be occupied by the city in late 1971 while the construction was being completed; and as of this date all floors are occupied except for two unfinished floors, which are planned for expansion of the school board facilities and the city.

Upon signing of the contract, space studies were immediately begun based on present requirements of the various city departments and the school board allowing for expansion to 1980.

The new City Hall houses the City Manager and City Administration Offices; Council Chamber, and facilities for the Council Members and the Press; the Department of Public Utilities including Home Demonstration Area; Department of Public Works; Department of Parks and Recreation, Print Shop, Data Processing Center; Department of Finance; Department of Revenue & Auditing; Department



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VIRGINIA RECORD

Founded 1878



View of fountains on Plaza at Broad Street Entrance.

of Human Relations; Mayor's Office, City Clerk, and Department of Retirement for City Employees; Department of Planning and Community Development; Department of Personnel; Law Department including City Attorney's Office; Treasurer's Office, the City Budget Department, and the Registrar's Office.

The building is a concrete frame structure faced with marble, with a modular layout using movable partitions. The base is of granite and there are four entrances to the main lobby on the first floor. There is an entrance to the ground floor and parking decks from Marshall Street at the corner of Marshall and 9th Streets, and an exit from these same spaces at the corner of Marshall and 10th Streets. The ground floor has a loading dock for easy access of supplies to the building. There are twenty-three floors including a mezzanine floor for mechanical equipment, a ground floor and two parking decks.

An escalator from the lobby level has been provided for access to the ground floor level leading into a broad tunnel under Marshall Street. From the north side of Marshall Street, citizens may continue a short walk through the grassed mall to the Safety, Health and Welfare Building.

The top floor, which is the observation deck, is eighteen floors above the street level, and it is hoped that this will be developed into a restaurant in the future. The view from the observation deck of the City of Richmond and surrounding counties is breathtaking. On clear days it is possible to see the Blue Ridge Mountains, while Hopewell and Petersburg are visible to the south. Rising 310 feet above city streets, it is believed to be the tallest building in Virginia. The two parking decks below grade will accommodate 300 cars, which comprises a city pool of vehicles to serve the public needs of Richmond.

The Council Chamber has a seat-

Looking west from the Observation Deck.

ing capacity of 300 for public hearings. The City Council Members, the Press and the City Administration Officials are conveniently located at the front of the Chamber, and there is an excellent sound system for intercommunication.

The City Hall occupies a complete city block bounded by Broad and Marshall Streets on the South and North, and 9th and 10th Streets on the West and East. The first floor is approximately 180' square with a tower for the balance of the floors 100' x 160'. On the Broad Street Entrance there is an open plaza with fountains, planting and trees, which provides a pleasant addition to Richmond's Broad Street.

The penthouse construction was designed for the addition of a 150 foot tower. This tower to be used as a central broadcast tower and relay tower for police, fire and public utilities communications. Space has been provided in the penthouse for the necessary

Portion of Main Lobby.



to tell the Virginia Story

Council Lounge.

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VIRGINIA RECORD

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booster and relay equipment and cables, which would connect the Safety, Health and Welfare Building Control Center to the tower for highest "sight of line" communications.

Concurrently with completing the plans and specifications, the foundation and sub-structure work was let under separate contract to Daniel Construction Co., of Virginia in July 1967 and completed January 1968. Actual construction on the building proper began in April 1968 by Doyle and Russell, Inc., low bidders on the project. The final cost including the foundation work will be approximately \$17,000,000.

Subcontractors & Suppliers

(Richmond firms unless otherwise noted)

E. G. Bowles Co., installation of sheeting & bracing, excavation, backfill and base course; Welch Pile Driving Corp., Va. Beach, piling; Lone Star Industries, Inc., concrete; Scruggs & Thomas, installation of masonry & structural (glazed) tile; Bethlehem Steel Corp., reinforcing steel; Montague-Betts Co., Inc., Lynchburg, install structural & miscellaneous steel & ornamental metal work; Marsteller Corp., Roanoke, install Neoprene deck covering; Cold Spring Granite Co., Spring, Minnesota, granite; Cold Economy Cast Stone Co., precast stone; N. W. Martin & Bros., Inc., roofing; Georgia Marble Co., Atlanta, fabricator and supplier Georgia, (through W. H. Stovall Co., Inc., Richmond) of exterior and interior marble; and, Empire Granite Corp., install exterior marble, granite & precast concrete items.

Also, Aluminum Fronts, Inc.-Div. Texas Aluminum, Dallas, Texas, window walls: Schacht-Ellison Bronze, Bronx, N. Y., store front construction; Solite Corp., lightweight concrete; Dovle & Russell, Inc., carpentry; Inland Steel Products, metal roof deck; PPG Industries, glass; Street & Branch, painting, decorating & vinyl wall covering; Lone Star Industries, Inc., concrete material supplier; Virginia Metal Products, Div. Gray Mfg. Co., Orange, install metal office partitions; Knickerbocker Steel Partition Co., Brooklyn, N. Y., toilet partitions; Newcastle Products, Newcastle, Indiana, Modernfold doors; W. Morton Northen & Co., Inc., install resilient floor covering & acoustical ceiling work; Wilton & Denton, Inc., lathing & plastering work; Martin Tile & Marble Co., Inc., interior marble, install terrazzo, tile & bath accessory work & exterior glass

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And, Elliot & Co., Norfolk, mill-work-install cabinet & store fixture work: Service Steel Erectors Co., Chester, placed all re-bar; Wilkinson Chutes, Inc., Akron, Ohio, mail and trash chutes; Fischbach and Moore, Inc., installation, electrical work & fixtures; Hupp Corp., Aurora, Ill., folding partition work; William H. White, Jr., installation, plumbing & mechanical; Watkins Nurseries, land scaping; Otis Elevator Co., elevator & moving stairs; Guy Smith Hardware, Inc., finish hardware; Pleasants Hardware, miscellaneous hardware; Tate Architecture Products Co., Jessup, Md., infinite access floor; John H. Hampshire, Inc., Baltimore, Md., install infinite access floor; Thomas Harris & Co., Inc., (Mfrs. Rep.), lighting fixtures; Crane Supply Co., manufactured & supplied plumbing fixtures; and, Roanoke Engineering Sales Co., Inc., directories & display cases.

Others were: Richmond Block, Inc., masonry block; Superior Fireproof Door & Sash Co., Bronx, N. Y., metal frame & hollow metal door items; U. S. Plywood Corp., plyform; Armstrong Contracting & Supply Corp., Lancaster, Pa., insulation work; J. S. Archer Co., install escalator enclosure & bifolding metal door & install motor operated grille work; Carolinas Waterproofing Co., Inc., Charlotte, N. C., caulking work; Guardsmark, Inc., Memphis, Tenn., provided uniformed guards for security; The Hausman Steel Co., Toledo, Ohio, install & remove all supported beam, ribbed slab, solid slab, ramp slab & pipe box forms; Korok, Div. The Enamel Products Co., install chalkboard & tackboard; Sterling Radiator Co., Westfield, Mass., install metal unit enclosures; C. E. Thurston & Sons, Inc., Norfolk, install smokestack; Cris-Tex, Inc., Dallas, Tex., installation of storefront construction work & curtain work; and, Grinnell Co., Inc., Charlotte, N. C., installation of sprinkler.



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RCHITECT'S STATEMENT concerning Design Problems and Solutions: The basic program was premised upon A the need to develop a complete functional and instructional laboratory and learning center housing all of the facets congruent to Mechanical Engineering instruction.

To simplify construction and to economize on costs, a six-foot module was established so that standard building material sizes would be compatible.

A design form was developed to complement the classic forms and proportions of the original central University.

Brick towers at each end of the structure provide vertical texture to the rolling site and were designed to centralize utilities such as elevator, stairs, toilets and mechanical shafts. By isolating these utility functions, learning areas and laboratories could be arranged in the best functional manner without vertical interruption in plan.

One basic neutral wall color and floor color was incorporated to simplify maintenance and to unify each level. For relief from the technical sterile learning areas, bright accents in red, blue, yellow and lime were used in drinking fountain alcoves, lobbies, toilets and stair towers. Natural finished sliced elm interior doors accented with dark frames added warmth to further humanize the structure.

Type of Construction; Materials; Mechanical Systems (if significant); Other pertinent Technical Information: The structural system is based upon poured-in-place, post-tension concrete beams, poured-in-place concrete joists (except roof) and brick.

The year-round mechanical system comprised of a high and low velocity forced air and a chilled water system was designed to provide not only the necessary building functional requirements, but also provide a working instructional tool. General Contract: R. E. Lee & Son, Inc., Charlottesville, general contractor, foundations, concrete, masonry, steel,

steel roof deck, windows, carpentry, weatherstripping, insulation, steel grating, millwork, steel doors & bucks, and handrails.

Subcontractors & Suppliers: Albemarle Construction Co., Keswick. excavating; The Ceco Corp., concrete pan slab form work; Valley Roofing Corp., Roanoke, roofing; PPG Industries, Richmond, glazing; Higham Co., Inc. Alexandria, painting; Anti-Hydro Waterproofing Co., Newark, N. J., waterproofing; W. W. Nash & Son, Inc., Charlottesville, acoustical; W. Morton Northen & Co., Inc., Richmond, ceramic tile & resilient tile; The Howard P. Foley Co., Richmond, lighting fixtures & electrical work; Sullivan Mechanical Contractors, Inc., Shenandoah, plumbing fixtures, plumbing, air conditioning, heating & ventilating; Westbrook Elevator, Danville, elevator; and, Guy Smith Hardware, Inc., Lynchburg, hardware.

FORREST COILE AND ASSOCIATES – ARCHITECTS RANCORN, WILDMAN AND KRAUSE – ASSOCIATED ARCHITECTS



CITY HALL COMPLEX Newport News

Photography by Taylor Lewis & Associates—Dockside Studios VIRGINIA RECORD T HE site selected for the administrative headquarters for the City of Newport News comprising approximately 5.6 acres in Downtown Redevelopment Project No. 1 is located at the termination of the major commercial and retail streets in the city.

The three elements comprising the City Hall Complex are elevated approximately four feet above existing ground level on a plaza. This elevated plaza, due to existing topography enabled the creation of a lower level with a minimum of excavation.

The introduction of the elevated plaza permits the main lobby level to be open and unencumbered by vehicles, creating an open landscaped terrace which becomes the focal point for the termination of Washington Avenue.

In addition to providing a direct access for building service which is hidden from public view the lower level provides the necessary protection for an 8000 square foot Emergency Operating Center. This area contains police and fire department communication as well as Civil Defense and Disaster Centers.

Because of varying requirements in function and public access, it was determined that three distinct elements requiring individual architectural solutions would be desirable.

The three elements comprising the City Hall are the Council Chamber, the City Treasurer and Commissioner of the Revenue element, and the eleven-story tower containing administrative offices. The main lobby of the office tower is connected at the plaza level by means of covered walkways with the two one-story elements.

Physical and functional separation of the City Treasurer and Commissioner of the Revenue was based on the fact that the need for direct communication with other departments is limited. Also, these two departments are directly related to each other and required accessibility to the public more any other city department.

The area required for the City Treasurer and Commissioner of the Revenue required a total area greater than any other department. Therefore, a separate building element could be made to operate more efficiently than attempting to fit the operations into a typical floor in the office tower.

The Council Chamber as a separate architectural element emphasizes the functional importance of the Council. The present needs of the Council will not change appreciably by expansion and growth of the other city functions. Therefore, the basic criteria for the



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future could be established in the original design of the Chamber element.

Requirements of acoustics, air conditioning, architectural treatment and furnishings could be satisfied in an element designed specifically for the Council Chamber rather than forcing this function into a typical office floor. Although the Council Chamber is a part of the total complex, the physical location permits the use of the Council Chamber facilities by the public when other city departments would be closed.

The original design program included an office tower of eight floors including the main public lobby, six office floors and the mechanical equipment floor. Original estimates of space requirements for both present and future needs proved to be conservative as the design developed. After reevaluation of space needs it was decided that provision for future expansion should be incorporated in the original construction to take advantage of current construction costs as well as providing the means for orderly and uninterrupted adjustments by the departments involved in future expansion.

Thus, the office tower as completed is eleven stories which includes two complete floors of unfinished space as well as smaller areas on other floors providing approximately 25,000 square feet for future expansion.

The total building area of the complex is 175,000 square feet with a net administrative area of 110,000 square feet not including service areas, public spaces, etc.

The steel frame structure is sheathed in cast stone. Tinted glass with matching spandrels add to the verticality of the tower. In addition to cast stone and tinted glass the two one-story elements have accented panels of gray glazed brick.

W. M. Jordan Company. Inc. of Newport News was the general contractor.

Subcontractors & Suppliers

From Newport News were: Low Contracting Co., Inc., excavating; Pompei Tile Co., Inc., waterproofing, ceramic tile, resilient tile & terrazo; Virginia Construction Specialties, Inc., acoustical; and, Warwick Plumbing & Heating Corp., plumbing fixtures, plumbing, air conditioning, heating & ventilating.

Hampton firms were: Lockwood Brothers, Inc., piling; Heath Roofing Co., Inc., roofing; Walker & Laberge Co., Inc., aluminum windows & glazing; and, E. C. Ernst, Inc., lighting fixtures & electrical work.

And, from Norfolk were: Lone Star Industries, Inc., precast concrete; Snow Jr. & King, Inc., masonry; Shaw Paint & Wall Paper Co., Inc., painting; Globe Iron Construction Co., Inc., steel; PPG Industries, stainless steel window walls; Elliot & Co., Inc., millwork & wood doors; and, Door Engineering Corp., hardware.

Others were: Inland-Ryerson Construction Products Co., Baltimore, Md., steel roof deck; J. H. Deatherage Co., Greensboro, N. C, stone work; Superior Fireproof Door & Sash Co, Scranton, Pa., steel bucks; W. W. Moore & Sons, Inc., Richmond, elevator; and Spider Staging Sales Co, West Conshohocken, Pa., window washing equipment.



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(James M. McElroy)



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The building is of reinforced concrete construction, certain elements being composite with structural steel for heavy loading required by power equipment and provisions for microwave tower facilities.

Exterior walls consist of channelshaped, floor-to-floor precast concrete panels with thin slab marble facing. Spaces behind the panels are used for return air "ducts" at the north and south ends, and house supply air ducts at other locations.

Major Contractors

Cleveland Wrecking Co., Cleveland, Ohio, demolition; Daniel Construction Co. of Va.. Richmond, foundations; Montagues-Betts Co., Inc., Lynchburg, structural steel—also miscellaneous

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metal work; Georgia Marble Setting Co., Atlanta, Ga., precast work and stone; and Basic Construction Co., Newport News, superstructure.

Subcontractors & Suppliers

Dee Shoring Co., Inc., Richmond, forming; Welch Pile Driving Corp., foundations; Lone Star Industries, Inc., Norfolk, concrete; Snow, Jr. & King, Inc., Norfolk, masonry; Hall-Hodges Co., Inc., Norfolk, reinforcing steel & hollow metal doors & door frames; Cradock Sheet Metal & Roofing Co., Inc., Portsmouth, roofing, insulation & sheet metal; Exposiac Industries, Inc., Greensboro, N. C., precast work and stone; Burton Lumber Corp., Chesapeake, carpentry & millwork; Binswanger Glass Co., Inc., Richmond. glass & glazing & stainless steel entrance work; N. Chasen & Son, Inc., Richmond, painting & wall covering; and, Pompei Tile Co., Inc., Newport News, waterproofing floor finish.

Also, Wilton & Denton, Inc., Richmond, resilient luminous-acoustic ceilings, lathing & plastering & demountable partitions; Ferrell Linoleum & Tile Co., Inc., Norfolk, ceramic tile; Grover L. White, Inc.. Norfolk, floor coverings; Ocean Electric Corp, Norfolk, electrical work; Warwick Plumbing & Heating Corp., Newport News, plumbing, air conditioning, heating & ventilating; Houghton Elevator Co., Washington, D. C., elevators; Door Engineering Corp., Norfolk, hardware; and, Roanoke Engineering Sales Co., Inc., Richmond, overhead doors.

ES. BEALL & SHA



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VIRGINIA RECORD

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LLOYD D. FITZSIMMONS, AIA – ARCHITECT



"MUNGULLION" - JAS. HASSLACHER RESIDENCE - OTTOMAN

A California house in Virginia? That's what clients Jim and Glenna Hasslacher wanted and they brought Architect Lloyd Fitzsimmons, AIA from San Francisco to make it happen.

"Mungullion," as the 43 acre estate on the Rappahannock River is called, was a parklike setting of manicured grounds cared for by gardener, Broadus Thomas, ever since the tragic night in 1953 when lightning struck the site. The original house was hit, and the ensuing fire trapped Mr. Hasslacher's parents on the second floor and they perished in the blaze.

In the intervening 16 years, Mr. Hasslacher developed some very sound and definite concepts about a new house: lightning protection was a must and all rooms had to have egress to the out-of-doors; the house must be zoned to separate children from adults and boys from girls.

Presented with these needs, the "H" plan evolved with the common functions at the bar of the "H" and bedrooms in the legs. Presented with a \$50,000.00 budget, the building was austerly designed of concrete slab on grade, and texture 1-11 plywood sheathing walls, without overhangs. A commercial built-up roof tops the flat roof.

Before construction began, Fitzsimmons was brought to Virginia and the house was built on a "separate contract" basis with the architect responsible for 25 contracts instead of one. The architect then set up a five month construction schedule and amazed everyone by exceeding it by only one month.

Construction found the architect on the job at all times when men were working. Problems were brought to his attention and instantly settled. One observation by the mason resulted in a change of plan: he noted that the fireplace, serving as a separator between the living room and dining room, occupied 25 square feet of useable floor space and suggested it be moved to the outside wall as is customary in traditional architecture. The 5' cube that is the fireplace was designed on the spot and has been the subject of much favorable comment ever since.

Subcontractors & Suppliers

Kermit Thomas, Farnham, excavating; W. C. Lowery, Inc., Callao, excavating, foundations & concrete; Fletcher Mills, Ottoman, masonry; Alton Brooks, Callao, roofing; Sash, Door & Glass Corp., Richmond, windows & glazing; B & B Builders, Warsaw, carpentry; Crowther's Heating & Air Conditioning, Kilmarnock, insulation, air conditioning, heating & ventilating; Paul Williams, Ottoman, ceramic tile, resilient tile & plumbing; Kilmarnock Planing Mill, Inc., Kilmarnock, millwork; Atlantic Electrical Supply Corp., Richmond, lighting fixtures; Adrian Walker, Ottoman, electrical work; Noland Co., Richmond, plumbing fixtures; Pleasants Hardware, Richmond, hardware; and, J. J. Loehr, Jr., Richmond, lightning protection.

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(Photos by Studio III/Sam McKay)



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VIRGINIA RECORD

E. H. BOWMAN JR. & ASSOCIATES Consulting Engineers Mechanical & Electrical

INTERIOR DESIGN BY THE ARCHITECT MERRITT CONSTRUCTION CORP. GENERAL CONTRACTOR

THE Citizens Trust Bank of Portsmouth recently completed their Westgate Branch, which is the first to utilize their newly adopted circular plan concept. This concept represents an effort to provide a prototype for all future branches.

The flexibility necessary for a prototype is obtained through the use of a circular lobby concept which features a domed ceiling. The plan is designed so that by revolving the plan, any one of three sides can be used as an entrance.

The interior features a curved teller counter with five stations. Noise control for this open-plan lobby is achieved by the utilization of acoustical plaster ceilings, carpeted floors and background music. A fireproofed steel plate vault was used in lieu of a conventional reinforced concrete vault.

The drive-in unit utilizes a pneumatic tube system which is capable of handling six lanes. All lanes are covered except for the last lane which serves trucks and campers.

The exterior design will vary with each site location. The Westgate Branch utilizes white brick with a dark brown brick base. Its roof line is treated with cedar shakes.

Merritt Construction Corp., of Portsmouth, was general contractor, and did carpentry, acoustical & plaster.

Subcontractors & Suppliers

(Portsmouth firms unless otherwise noted)

Cherry Concrete Co., foundations & concrete; Clyde W. Shuping, masonry; Chesapeake Steel, Inc., Norfolk, steel; PPG Industries, Norfolk, windows & glazing; Steves Painting Co., painting & plastic wall finish; and, Georgia Pacific Corp., Norfolk, paneling.

Also, Armistead-Morrison Co, insulation; Clarence E. Swain Tile Co., ceramic tile & resilient tile; Reed Cabinet Works, millwork; Askew Electric Co., electrical work; Osborne Plumbing & Heating, plumbing; Portsmouth Gas Co., air conditioning, heating & ventilating; Seaboard Paint & Supply Co., Inc., Norfolk, hardware; and, Le-Febure Corp., Alexandria, banking equipment.

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to tell the Virginia Story

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VIRGINIA RECORD

#### BYRON R. DICKSON, JR. – ARCHITECT



(Lynwood T. Atkins Photography)

#### S. LEWIS LIONBERGER JR. – RESIDENCE

ENGINEERING AND INTERIOR DESIGN BY THE ARCHITECT S. LEWIS LIONBERGER CO. — GENERAL CONTRACTOR

A residence to complement the activities of a young, involved and dynamic family is a most enjoyable architectural endeavor. The life style of the Samuel L. Lionberger, Jr. family is such to demand a home which enhances their professional and social participation within this western Virginia community.

The site is located on a ridge which

provides a marvelous view of the mountains to the southwest and overlooks the Roanoke Valley to the northeast. Access to the site is limited to a single road which approaches at a slight angle to the ridge line. The site slopes gently along the east-west ridge with a steep drop in grade along the opposing axis.

The program, a reflection of the



to tell the Virginia Story

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Lionbergers' propensity for sharing their time with friends and business associates while maintaining a closely knit family group, dictated the development of well defined entertainment and private areas of activity. The floor plan achieves these objectives in a linear concept which develops along the ridge line. Separate activities can be carried out concurrently in either the family room/kitchen area or the dining/living area. The axial plan development allows the sleeping area to be remote from the activity area.

The floor plan develops along the ridge line in an easterly direction from the garage/storage area at the vehicular entrance activity areas in the center section, followed by the sleeping areas at the remote east sides. The activity area, employs a vaulted ceiling which is reflected in the raised roof line at the center section. The focal point in the family room/kitchen area

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PAGE SEVENTY-EIGHT

#### WILEY AND WILSO

#### WESTINGHOU

GLAVE, NEWMAN & ANDE INTERIOR DESIGNERS

**C** ONSTRUCTION of the 108,000 square-foot Westinghouse-Infilco Plant, near Culpeper, began when the grading contract was let in July 1971, with completion scheduled for September 15, 1972.

In addition to the manufacturing plant, the only such facility in the United States designed and constructed specifically for the sole purpose of fabricating water treatment equipment, there is a connected funnel-shaped office building, housing a vending cafeteria, nurses' station, corporate store where small appliances and safety equipment are sold, a training room, large lobby and offices.

The manufacturing area is 600 feet long by 180 feet wide, and 45 feet, three inches high above finished floors.

Wiley & Wilson endeavored throughout the design to utilize Westhinghouse or subsidiary company products wherever feasible. Westinghouse quartz lighting was used in ceiling fixtures in the plant, to provide lighting of such quality that no additional lighting is needed in work areas. Westinghouse products included switch gears, motors, lighting fixtures and lights, toilet partitions, and others.

Westinghouse entered water treatment work some four years ago through their research department in Pittsburgh, Pennsylvania, where sewage and water treatment passage units for ships were designed.

În April 1970, Westinghouse acquired Infilco, an Arizona company which was essentially a design group without manufacturing facilities.

Several factors led to the selection of Culpeper as a site for the manufacturing plant, a part of the Westinghouse Water Quality Control Division. The area is near the center of the firm's marketing area, and, it is near enough to Washington, D. C. to provide cultural and entertainment benefits without the problems associated with actually being situated in the high-density areas closer to the metropolis.

The plant site is just off Route 686

#### NEERS-ARCHITECTS-PLANNERS

#### FILCO PLANT

W. H. WEAVER CONSTRUCTION CO. GENERAL CONTRACTOR

McElroy

southeast of Culpeper, and is served by a Southern Railroad spur for receiving materials and shipping finished products. Material storage is provided by a paved work pad 600 feet long by 60 feet wide adjacent to the rear of the plant.

The project manager for Wiley & Wilson was Leon Lytton, AIA, who worked with the Westinghouse Corporate Design Center in Pittsburgh on the plant design. W. R. Jepson, Plant Manager, was coordinator and representative for the Infilco Division during design stages.

The huge building is of structural steel with insulated metal siding, concrete floors and a 20 year built-up roof. An overhead crane, operating from a lateral bay at one end of the building to the outside work pad, passes through an all-weather horizontal door, swinging inward from the top that extends the entire width of the bay and takes up the top half of the wall. The area at the bottom, where the load passes, is closed off by a laterally sliding door.

Wiley & Wilson commissioned Glave, Newman and Anderson to handle the interior design, space planning and office planing consultation for the 13,000 square foot office portion of the project. Westinghouse officials described the funnel-shaped section, with the small end of the funnel feeding into the manufacturing building, as being functional in several ways. First, it presents a broad front to public view since the plant building itself is so huge. It is also easy to expand. Third, most office personnel will have business in the plant, and the design provides easy access, and it will also give the plant employees a feeling of being a part of the overall complex.

Westinghouse is erecting a sewage treatment plant of its own design to serve the plant. It will be a tertiary treatment system, which means that the effluent will be of better than drinking water quality.

The plant is expected to be fully operational early in 1973, By the end



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of that year, Westinghouse expects to have 165 hourly employees in addition to 50 office, professional and administrative employees. The full complement of 350 hourly employees is projected for 1976.

W. H. Weaver Construction Co., of Greensboro, N. C., was general contractor.

Subcontractors & Suppliers

Rogers Masonry, Orange, masonry; Oliva & Lazzuri, Inc., Charlottesville, marble, tile, brick & paving; Standard Gauge Engineering Co., Piney River, railroad; Hungerford, Inc., Richmond, heating, ventilation, air conditioning & plumbing; Valley Roofing Corp., Roanoke, roofing & sheetmetal; McKinney Drilling Co., Lorton, caissons; Roadside Nurseries, Altavista, seeding; Lee Hy Paving Corp., Richmond, paving; Baldwin Contracting, Inc., Richmond, grading; Door Engineering Corp., Norfolk, hollow metal doors & frames, hardware; Holsinger Lumber Co., Staunton, millwork; Augusta Steel Corp., Verona, structural steel (office) & miscellaneous iron; Valley Steel Corp., Salem, reinforcing steel; and Culpeper Stone Co., Inc., Culpeper, concrete.

Greensboro, N. C. firms were: Seager Waterproofing, Inc., waterproofing caulking); Harris-Scott Paint Co., Inc., painting; Tri-State Erectors, Inc., steel erection; Starr Electric Co., Inc., electrical; and Carolina Steel Corp., bulletin board.

Other North Carolina firms were: Jack R. Maness Co., Inc., Denton, lath, plaster & drywall; Pritchard Paint & Glass Co., Durham, glass, glazing & windowall; R. L. Dresser, Inc., Raleigh, acoustical tile & resilient tile; Crawford Door Sales Co., Inc., Charlotte, sliding doors & roll-up doors; Viking Fire Protection, Inc., High Point, fire protection system; and, Roanoke Engineering Sales Co., Inc., Charlotte, wire mesh partitions.

Plasteel Products Others were: Corp., Washington, Pa., metal siding; Mid-South Manufacturing Co., Coral Gables, Fla., toilet partitions; Owen Steel Co., Inc., Columbia, S. C., structural steel & miscellaneous iron; and, Richard-Wilcox Manufacturing Co., Washington, D. C., craneway door.



VIRGINIA RECORD

#### C. W. HUFF, JR., J. CARL MORRIS, ASSOCIATED ARCHITECTS



# THE CHILDREN'S HOME OF VIRGINIA BAPTIST, INC.

TORRENCE, DREELIN, FARTHING & BUFORD CONSULTING ENGINEERS, STRUCTURAL

ORVILLE JONES, JR., AID - MILTON GLASER ASSOC., INC. INTERIOR DECORATOR

#### WALTHALL CONSTRUCTION CORP. — GENERAL CONTRACTOR

• HE Children's Home of Virginia at near grade and has windows in the Baptist, Inc., located in Chester-Widining area, on the opposite side, overfield County near Matoaca, came into being in 1948 through the efforts of the late Dr. D. S. Dodd and the late J. S. Richie, both from Petersburg.

This home has the primary purpose of caring for orphaned children of all races, creeds and national origin.

The site is a 265 acre farm consisting of the original farm house, and three cottages which house the children. The new building houses the administrative offices, recreation areas, complete kitchen facilities, and multipurpose room for auditorium and dining and other similar functions. This room is divided by a folding partition for added versatility.

Designed by C. W. Huff, Jr., J. Carl Morris, associated architects of Richmond, construction of this project was begun by the general contractor, Walthall Construction Corporation of Coonial Heights, on September 15, 1970, and completed June 1, 1971.

The upper level houses the administrative offices, kitchen and multi-purpose room. It is entered from the front looking the fields and pond which furnishes a scenic panorama.

The lower level is used primarily for recreation with ping pong tables, and related games. There are also some facilities to serve the employees and guests.

The exterior of this contemporary structure is brick with redwood trim.

chosen to blend ideally with the rural setting.

The interior of the building has been very tastefully furnished under the guidance of Mr. William C. Russ, Chairman of the Building Committee. The interior is of solite block, painted, with acoustical plaster ceilings, and natural wood finish birch doors. Floors are primarily vinyl asbestos tile, with

(Continued on page 123)





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General Contractors for the United Way of America Headquarters Office Building, featured in this issue.

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VIRGINIA RECORD

Founded 1878

#### FERENDINO/GRAFTON/SPILLIS/CANDELA



#### NATIONAL HEADQUARTERS, UNITED WAY OF AMERICA

EUGENE SIMPSON & BROTHER, INC. — GENERAL CONTRACTOR • INTERIOR DESIGN BY THE ARCHITECT

**T**HIS National Headquarters building for the United way of America was designed and constucted in only ten months for a cost of \$24.46 per square foot. This price included all of the ten, tenant partitions on the fourth and third floors, and on half of the first floor. The lighting fixtures were purchased but were not installed on the second floor and on half of the first floor, nor were the partitions or A/C supply grilles installed in these areas, awaiting future tenants.

The process of designing and building at the same time is generally known in the construction industry as "fast track."



In this particular project, the "fast track" method saved hardwa to tell the Virginia Story NOVEMBER 1972

eight months of time (design and construction) thereby providing a substantial financial savings when considering the increase in construction costs at that time of 1% per month, the savings in rent at another location, and construction money interest.

Eugene Simpson & Brother, Inc. of Alexandria was general contractor.

#### Subcontractors & Suppliers

From Alexandria were: United Clay Products Co., Inc., masonry; Anning-Johnson Co., roof deck; Arban Precast Stone Co., Inc., stone work (precast); Allen Glass Co., Inc., glazing; Krafft-Murphy Co., plaster; Fairfax Millwork Co., Inc., millwork; Newton Asphalt Co., Inc., asphalt paving; and, Campbell & Ferrara, Inc., landscaping.

Washington, D. C. firms were: Mark Masonry Co., Inc., masonry; Avon Tile Co., Inc., ceramic tile; United Industrial Association, Inc., plumbing, air conditioning, heating & ventilating; Otis Elevator Co., Inc., elevator; and, Sanymetal Products Co., toilet partitions.

Others were: Virginia Concrete Co., Inc., Springfield, concrete; Wililams Enterprises, Inc., Merrifield and Southern Iron Works, Inc., Springfield, steel; Max Greenwald & Sons, Inc., Tuxedo, Maryland, roofing; Daryl Industries, Miami, Fla., windows & sliding doors; Myers-Christiansen Co., Inc., Kensington, Md., painting; Prospect Industries, Inc., McLean, waterproofing; Standard Floors, Inc., Merrifield, acoustical; Walter Truland Corp., Arlington, electrical work; and, Fries, Beall & Sharp Co., Springfield, hardware. THE OFFICE OF DAN E. GRIFFIN, ARCHITECT, AIA

# Offices for Doctors William S. Debnam and Neal P. Davis Portsmouth

E. H. BOWMAN AND ASSOCIATES Consulting Engineers Mechanical & Electrical

> INTERIOR DESIGN BY THE ARCHITECT

SHIRLEY CONSTRUCTION CORP. GENERAL CONTRACTOR



THE office of Doctors Debnam and Davis needed a new facility for their expanding orthodontist practice and a related but independent orthodontic laboratory. The site was in an existing doctors' complex.

An anticipated patient load of up to 120 per day to be handled by three orthodontists and a staff of twelve, demanded an efficient and well controlled method of operation. This efficiency was achieved by the implementation of a circular operatory concept. Control of the operatory and adjacent waiting room is handled from the operatory's central island via closed circuit television. This circular concept further allows for maximum visual control of the ten dental chairs while representing a 10% savings in area over conventional layouts. Status of patients within the operatory is indicated to the central control by a system of colored lights.

This central control island also serves as a materials supply center for all special equipment, sinks, telephones and dictating equipment. The open plan is acoustically controlled by the use of carpeted walls and floors, and an acoustical plaster ceiling. Natural light enters from shaded clerestory glass. Each cubicle is equipped with a custom designed console. Consoles feature a sliding work top and house all chairside support equipment as well as all cubicle lighting controls and indicator switches. The ceiling mounted dental lights eliminate the need for cumbersome wall mounted fixtures. The telephone headsets within the cubicles free the doctors from interruption of their work.

The operatory is enclosed by a twelve sided brick faced polygon and roofed with cedar shakes so as to relate to the free standing lighting umbrellas which dot the site. These cedar roofs, together with detailed likeness of existing buildings, maintain harmony with the existing complex.

Shirley Construction Corp. of Portsmouth was general contractor, and handled excavating, foundations, concrete & carpentry.

Subcontractors & Suppliers

(Portsmouth firms unless otherwise noted)

Creed Minard, masonry; Charles M. Norris, roofing, air conditioning, heating & ventilating; Portsmouth Lumber Corp., Andersen Windows; PPG Industries, Norfolk, glazing; and, L. C. Novack Painting Co., painting & plastic wall finish.

Also, O. D. Harcum Plastering Co., plaster; Ajax Co., Inc., Norfolk, ceramic tile; Foster Linoleum & Tile Co., resilient tile; Pittman's Cabinet Works, millwork; Askew Electric Co., electrical work; J. T. Medlin Plumbing & Heating, American Standard plumbing fixtures & plumbing; Door Engineering Corp., Norfolk, hardware; and, Coleman Nursery Gardentown, plantings.





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# WESTERN UNION COMPUTER CENTER

#### Middletown

#### INTERIOR DESIGN BY THE ARCHITECTS

TELEPROCESSING INDUS-TRIES' \$16 million computer complex between Interstate 81 and Route 11 near Middletown, is the nerve center for Western Union's nationwide operations. Teleprocessing Industries, Inc., is a wholly-owned subsidiary of the telegraph company and its Information Systems Communications Services, (ICIS) Center embodies the newest and fastest communications switching technology available today, all of it under computer control.

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#### All of Western Union's teletype machines terminate at a console located at the ICIS Center. If a building or factory uses a W.U. fire sensing and alarm system, it, too, is tied into the

central console in Middletown. The single story facility was designed by Vosbeck Vosbeck Kendrick Redinger, architects, engineers and planners with Virginia offices in Alexandria and Roanoke and a Maryland office in Hyattsville.

The center includes the main building, a separate guard house and a Photography by J. Alexander

maintenance building. The complex is on a 34 acre, lightly wooded, gently sloping site, within fenced security area. Main entry of the low-profile building faces I-81. The Employees' entry is on the northwest corner. Parking is provided for 100 visitors. Within the main building are computer room and supporting areas for testing, maintenance and tape storage. Management, staff offices and conference facilities are on the north and east sides of the computer room. The computer room occupies over half of the main



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can generate all the power for computer operations and is operated independently of public utilities except sewer and water. Back-up electrical energy from public utility (VEPCO) is available should internal systems fail. Oil or natural gas can be used as fuel.

The facility has two independent fire protection systems: dry-type sprinklers and a halon gas system, both actuated by either heat or smoke detectors.

The building itself is masonry bearing walls, concrete slab floors and steel frame roof. The exterior is dark brick and heat absorbing glass in metal frames. Roofing is industrial ribbed insulated, pre-finished panels. Interior materials include acoustical ceilings, carpeting and resilient flooring. Interior walls are brick, oak paneling or vinyl facing, in most areas. Painted masonry walls are in service areas. Doors are wood and plastic faced. Colors are generally warm earth-tones.

Monte Vista Associates of McLean was general contractor and handled excavating & carpentry.

#### Subcontractors & Suppliers

Wilkes Construction Co., Inc., Rockville, Md., foundations & concrete: United Masonry, Inc., Alexandria, masonry; Alrington Iron Works, Inc., Arlington, steel; Stauffer Building Systems, Inc., Arlington, Armco steel roof deck & roofing; Hope's Windows, Inc., Silver Spring, Md., windows; Woodbridge Glass Co., Inc, Woodbridge, glazing; Broughton Painting & Decorating Co, Inc., Hillcrest Heights, Md., painting; Service Works Specialists, Camp Springs, Md., dry wall finish & paneling; and, Virginia Waterproofing Co., Inc., Herndon, waterproofing.

Also, Davenport Insulation, Inc., Springfield, insulation; Hudson Supply & Equipment Co., Washington, D. C., acoustical; Jim Strate, Inc., Manassas, ceramic tile; Marty's Floor Covering Co., Inc., Alexandria, resilient tile & carpeting; C.B.S. Sales, Inc., Silver Spring, Md., millwork; Columbia Building Products Co., Inc., Alexandria, steel doors & bucks; Metal Specialties, Inc., Silver Spring, Md., miscellaneous metals; Walter Truland Corp., Arlington, lighting fixtures & electrical work; Sullivan Mechanical Contractors, Inc., Shenandoah, plumbing fixtures, plumbing, air conditioning, heating & ventilating; Fries, Beall & Sharpe Co., Springfield, hardware; White Generators, Washington, D. C., generators; General Electric, Columbia, Md., electrical; and, Severn Products, Severn, Md., raised flooring.

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#### AIA NEWS

(Continued from page 16)

#### "Lingo" of HUD

(From page 16)

is not required until midway through the processing, architects have significant contributions to make along marketing, design, and cost parameters, and should work with the developer as early as possible if not in fact developing the project themselves.

-tax and syndication considerations in the 236 program: This complex subject requires the services of lawyers and accountants, and the architect/developer must have them. Even if the architect works only as a designer, he should be aware of these considerations if he is to make his most effective contribution.

In addition, a morning-long workshop was conducted at which participants got practical use of the lecture information by filling out a sample application for mortgage insurance on a hypothetical housing project.

#### Relevance

Finger and Lundgren put the lectures into social and architectural perspective.

Finger stressed how physical design improvements can encourage solutions to social problems by mixing people to break down barriers among them; by bringing people's housing and their "major daily activities" into proximity; and by giving people a reason to stay in an area rather than leave it.

He urged architects to "incorporate good design early enough so it won't cost more." He believes that good design will improve the image of federally assisted housing, minimize community resistance, and diminish management problems (of rental, maintenance, and transient occupancy especially).

Lundgren linked the architect's participation in low- and moderate-in come housing with AIA's recently accepted National Growth Policy, implying that such participation could be a means by which AIA members further these national goals.

He outlined the more-or-less familiar roles architects now play in housing: as nonprofit sponsors, as employees of local housing authorities, as standardizers of architectural components, as land planners, as providers of services for the developer and/or owner of a project, as participants in the Turnkey programs.

But he suggested that these roles need rethinking and expanding. One possibility is the formation of "profit centers" like those developed by the Willis Group of Companies in San Francisco. There, the architectural group is separate. Another profit center is responsible for land development activities, marketing, economic analysis, construction planning, and management. Another responds to the need for specialized computer systems for housing, architecture, and planning. All in all, new roles in finance, politics, and general management and sophisticated computer technology should be envisioned.

Moreover, architects must definitely gain other skills if the profession is to become "more deeply involved in those decisions which influence the shape and control of the environment in which we live . . ."

These skills fall primarily into the area of market analysis and are needed to change the "thin financial process" of development.

What will insure financially more stable projects? Lundgren presented these ideas:

- -classification of projects based on exhaustive and frequently updated market analysis of site and social and economic factors.
- -meaningful design solutions that affect significant segments of the environment.
- ---financial acumen and stability sufficient to insure stable project development.
- -real estate expertise.
- development and application of techniques for the careful measurement of use and needs and objective appraisal of buildings and communities; evaluation in terms of users' needs after occupancy.
  effective and efficient construction techniques.
- -better project management.

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NOVEMBER 1972

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VIRGINIA RECORD

#### Non-Profit Housing Awards

■ Two developments in San Francisco and one in Minneapolis have won top honors in the 1972 awards programs for nonprofit sponsored low- and moderate-income housing.

Six other projects were given Awards of Merit in the design awards program sponsored biennially by The American Institute of Architects, Nonprofit Housing Center Inc., and the American Institute of Planners. This awards program was initiated in 1970. The awards were presented in Washington on September 12, at a special luncheon session of the Nonprofit Housing Centers' National Conference on Low- and Moderate Income Housing,

In making the selection out of 69 entries, the jury noted particularly that the architectural quality of the nine winners was exceptionally good, which, it said, "refuted a widely held premise that housing for the low- and moderate-income citizen must look and be poor,"

The jury also gave specific consideration for evidence of planning for the avoidance or alleviation of adverse environmental factors such as noise pollution, air pollution, or visual blight, through site selection or building design modifications.

The three Honor Awards were given to:

- --Martin Luther King Square, San Francisco
  - Sponsor: Fillmore Community Development Association
  - Architect: Kaplan & McLaughlin, San Francisco
- -Ebenezer Tower, Minneapolis Sponsor: Ebenezer Homes Society
- Architect: Thorson & Thorshov Associates Inc., Minneapolis –Friendship Village, San Francisco
- Sponsor: First Friendship Institutional Baptist Church
- Architect: Bulkley & Sazevich, San Francisco

The six projects winning Awards of Merit were:

- -Maplewood Terrace, Middletown, Connecticut
  - Sponsor: Greater Middletown Community
- Architect: Charles W. Moore Associates, Essex, Connecticut
- —Western Park Apartments, San Francisco
  - Sponsor: Northern California Presbyterian Homes Inc.
- to tell the Virginia Story

Architect: Thomas Hsieh, AIA, Architect, San Francisco

- -Village Park, Amherst, Massachusetts
  - Sponsor: Development Corporation of America and Interfaith of Amherst
  - Architect: Stull Associates Inc., Boston
- -Harmony House Co-op, New Haven, Connecticut
- Sponsor: Congregation Beth Israel
- Architect: Louis Sauer Associates, Philadelphia
- -Jamestown Homes, St. Paul, Minnesota

- Sponsor: St. James A.M.E. Church
- Architect: Williams, O'Brien Associates Inc., Minneapolis
- -Hale Mahaolu Elderly Housing, Kahului, Maui, Hawaii Sponsor: Hale Mahaolu
  - Architect: Hirshen & Partners, Berkeley, California

#### Jury Report

The jury which selected the honor award winners was representative of those concerned with the production of low- and moderate-income housing in three respects. Geographically, the jury members came from the north, south,



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1. (44)



cast and west; professionally, the jury consisted of architects, both practitioners and a student, planners and representatives of nonprofit groups; culturally, the jury consisted of representatives of diverse ethnic backgrounds.

The concerns of the jury were varied. They included the social and physical relationships of the housing developments to their adjacent communities, the scale and utility of the housing and the budget program decision-making process reflected in the end product. Above all, the jury was concerned with the contribution which the housing made to the dignity of the residents.

The jury was extremely impressed by the high quality of housing submitted. The architecture was good, refuting a widely held premise that housing for the low- and moderate-income citizen must look and be poor. This observation was particularly noteworthy as many of the sites appeared marginal. Development of nonprofit housing is difficult enough with good sites. Gravel pit and flood plain sites made the job immeasurably harder.

The jury was also impressed by the diversity of response within basic program guidelines to the divergent cultural regional, and local restraints on design. These factors made the selection of award winners particularly difficult. Their final selections highlight qualities of excellence which in their opinion should be emulated in future housing development.

The jury members were Edward M. Burke, AIA, Seattle, chairman; Norman D. Day, AIP, Philadelphia; Carlos Fernandez, Phoenix; Sherwin Greene, AIP, Washington, D. C.; Dan Rambo, Ft. Worth; James M. Whitley, AIA, Shaker Heights, Ohio, and William Yudchitz, Homewood, Illinois.

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# Boston Cited For Government Center

■ Boston Government Center, a 60acre complex of government facilities, private office and commercial structures, and extensive pedestrian areas, has won for that city a special commendation from The American Institute of Architects.

The Board of Directors of the 24,-000-member national professional society has selected Boston for an Institute Citation for Excellence in Community Architecture in recognition of its "profound social, economic, and aesthetic achievements" in creating the Center.

The citation, which was presented during the annual meeting of the New England Regional Council of Architects, a component of the Institute, held October 14, in Boston, calls the Center "a model of how urban renewal, when imaginatively conceived and carried out, can bring new vitality and beauty to a city." It commends especially John F. Collins, Mayor of Boston from 1960 to 1968, Edward J. Logue, Director of the Boston Redevelopment Authority from 1960 to 1967, and architect-planner I. M. Pei, the Center's chief planner, "whose inspired leadership at the decisive moments assured the high quality of the development."

Now 90 percent complete, the Center occupies the site of the former Scollay Square, a notorious, run-down slum area. Its planning, which began in the mid-1950s with the active support of the business community, was placed in the hands of the Boston Redevelopment Authority in 1960. The Authority, which had just been reorganized to include both renewal and planning, commissioned Pei to produce a working master plan for the complex. The plan called for several new buildings and newly developed open spaces, as well as the preservation of distinguished old buildings and their conversion to new uses.

In 1962, a nationwide architectural competition was held to determine the design of the Center's focal point, the new City Hall. The winning design, by Kallman, McKinnell and Knowles, received an Honor Award from The American Institute of Architects in 1969, a year after the building's completion. It was carried out in association with the firms of Campbell. Ald-

rich and Nulty, architects, and William J. LeMessie Associates, structural engineers. Other major new buildings in the complex are the John F. Kennedy Federal Office Building, Center Plaza Office Building, New England Merchants National Bank Building, State Service Center, Government Center Parking Garage and Bus Terminal, Royal Globe/J. F. Kennedy Post Office Building, and Jewish Family and Children's Service Center. Among the historic buildings preserved within the Center or linked to it by new pedestrianways are Faneuil Hall, Old State House, Old West Church, and Sears' Block and Crescent.

An important element of the Government Center is the amenities it offers to the people who work in and visit the complex and its surrounding areas. Pedestrian circulation is encouraged within and through the Center, restoring to this historic section of the city the pedestrian scale it once had and emphasizing the Center's relationship to its surroundings.

The Center provides a landscaped pedestrian link between Beacon Hill and the Waterfront, and another between the State Service Center and Washington Mall, the entry point to the downtown retail core. All of these pedestrianways lead to City Hall Plaza, the crossroads of Government Center, which has become a popular place for activities ranging from noontime picnicking and sunbathing to protest demonstrations and civic celebrations.

When the Government Center is completed, it will have entailed public and private investment of nearly \$300 million, increased the city's tax base some \$13 million, and provided new jobs for thousands of Bostonians. Roadside Nurseries, Inc.

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#### -FOR THE RECORD-



#### Virginia's Claim Well Documented

• Captain John Woodlief and a group of 38 Englishmen left Bristol September 16, 1619 on the ship "Margaret." On November 30 they touched land at what is now Hampton, Virginia and proceeded up the James River to the Berkeley Grant, arriving there in December.

Following written instructions to "ordain the day of our ship's arrival at the place assigned for plantacon in the land of Virginia shall be yearly and perpetually kept holy as a day of thanksgiving to Almighty God," they celebrated the first Thanksgiving. Proof of the first Thanksgiving pud-

Proof of the first Thanksgiving pudding lies in the original historical documents in the Congressional Library and the records of the London Company which still are preserved at Gloucestershire, England. The authenticity of the documents and Virginia's claim to the first Thanksgiving were recognized officially by no less a New Englander than President John F. Kennedy in his 1963 Presidential Thanksgiving Proclamation.

Even amateur history buffs can tell you that the Pilgrims' Thanksgiving was in 1621, a good two years after the celebration at Berkeley Hundred. Where did we all go wrong on the establishment of one of the few truly American holidays? In today's terms, the explanation lies in the fact that Virginia had no public relations man of Longfellow's caliber, nor a romantic triangle the peer of New England's Miles Standish-John Alden-Priscilla Mullens. In short, poem, story and song evolved into history and the Pilgrims had a firm, if fallacious, grip on the first Thanksgiving.

Virginia's long road back to its right-

to tell the Virginia Story

ful claim of the holiday began in 1958 when former state senator John J. Wicker, having researched proof positive of the Old Dominion's claim to to Thanksgiving, organized the Virginia Thanksgiving Festival, Inc. This large group of representative citizens formed the non-profit educational organization which now has been recognized officially by the federal government.

In 1961, a delegation from Virginia Thanksgiving Festival, Inc., led by Founder Wicker, arrayed themselves in Colonial costumes and made one of the South's deepest penetrations of the North since the third day at Gettysburg. They visited then governor of Massachusetts and now Secretary of Transportation, John A. Volpe. The governor was presented not only with the documented facts, Longfellow notwithstanding, but also with a live Virginia turkey. In true Virginia style, the Governor of Massachusetts was invited to attend the commemoration at



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PAGE NINETY-SEVEN

Berkeley as "Guest of Honor."

In 1962, after Massachusetts had been set straight, the indomitable Wicker laid historical siege to the White House, where he convinced another New Englander, John Kennedy of the authenticity of the Virginia claim. It took the president a year, but he finally admitted publicly that Virginia indeed had been first in the matter of Thanksgiving. President Johnson followed suit in 1964 and 1966.

Virginia's Annual Thanksgiving Festival is set for Sunday, November 19, at 11:00 A. M., it has been announced. The observance, which was begun in 1958, will be held at Berkeley Plantation again this year.

Ceremonies for the day will include a tableau of the first Thanksgiving, a reading of the settlers' instructions to "ordain the day of our ship's arrival . . . as a day of Thanksgiving to Almighty God," and an address by Governor Holton, this year's featured speaker.

W. M. Gaunt, is Festival President for this 14th annual celebration.

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#### **Good Reading**

Old Virginia Houses Along the Fall Line by Emmie Ferguson Farrar and Emilee Hines; Hastings House Publishers, New York; \$15.00.

Interested in architecture? Or do you just dote on old Virginia homes and history? Either way, this book is for you.

Illustrated with 173 excellent photographs, this third in a series of volumes on Old Virginia Houses more than lives up to the ever present "jacket" description.

The Fall Line is that point in a river beyond which ships cannot pass, and the homes built in the cities that grew up in this area of Colonial Virginia are dealt with here. The book is divided into four parts and describes homes in Northern Virginia, the Fredericksburg Area, Caroline and Hanover Counties and, South of Richmond.

The photographs and accompanying, well researched, descriptive material transport the reader back in time to an era that was rich for its colorful personalities whose legends have survived the test of time. One gets an "inside look" into the life of a unique area and its inhabitants who *were* our state's history. Life, love and a touch of the supernatural, all are here and presented well.

Mrs. Farrar has written two previous books of this type: Old Virginia Houses—The Mobjack Bay Country and Old Virginia Houses Along the James. This, third volume, written in combination with Mrs. Hines, is a fascinating and enlightening work which we understand will be followed by a fourth in the series in November.

Might be the answer for someone on your gift-giving list!

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VIRGINIA RECORD



#### L. O. Bolton Retires – Was Urban Engineer

• Lonnie O. Bolton, urban engineer for the Virginia Department of Highways since 1964, retired October 31, it was announced by the department.

The division which he headed serves as the state's liaison with city and town governments in conducting the state and federally-aided urban street and highway program.

Allocations for the program in the current fiscal year amount to a record \$70.5 million for urban system construction and for state payments to the localities for street maintenance.

Bolton, 65, a Charlottesville native, was educated at the University of Richmond. He joined the Department of Highways as a draftsman in 1929, and has worked for the agency continuously since then except for World War II duty in the Army Corps of Engineers, in which he reached the rank of major.

He was assistant resident engineer for the department at Christiansburg from 1946 to 1948, then served as resident engineer at South Hill from 1948 to 1954. Between 1954 and 1957, he was resident engineer at Fairfax.

Bolton was appointed assistant urban engineer in the department's Richmond headquarters offices in 1957, a position in which he served until his promotion to urban engineer seven years later.

He is current president of the Virginia-District of Columbia-Maryland Chapter of the American Public Works Association, and has been active in both the Southeastern and American Associations of State Highway Officials.

Bolton is married to the former Sue Allen of Richmond. They live at 3039 Marlboro Drive in Richmond.



## New U.S. Tax Court Building Model Unveiled

• A model of the new \$12.9 million United States Tax Court Building, to be constructed at 3rd and D Streets, N.W., was unveiled recently by Chief Judge William Miller Drennen (left), of the U.S. Tax Court; Homer Blackwell (right), Executive Director of the architectural-engineering firm Lyles, Bissett, Carlisle & Wolff of Alexandria; and architect Victor A. Lundy (center).

Architectural work for the building, to be completed in the Spring of 1974, was handled by the Alexandria firm in association with Lundy of New York.

The Tax Court is a slender 6-story rectangle of 405 by 120 feet.

A plaza at the front of the building will span the freeway below with a reflecting pool and landscaped tree and grass area. There will be underground parking for 115 cars and an underground service access for trucks.

General contractor is George Hyman Construction Company of Virginia.

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PAGE NINETY-NINE

#### For Clarification . . .

Reference the item in the Virginia Record, February 1972 issue, on the George Mason Arts and Sciences Building designed by the VVKR Partnership, reading: "This is the ninth major project completed by VVKR at George Mason College subsequent to their completion of the Master Plan in May of 1967."

The VVKR Partnership has completed three major new buildings. The firm has also completed a range of planning, renovation and remodeling projects, for a total of nine.

The firm completed a Master Plan in 1967 that was used to assist in obtaining additional land and should not be confused with other Master Plans, prepared at other times for different purposes, by other architects.





PLAQUE PRESENTATION: (from left to right) 1st Mortgage Senior Vice President Donald B. Vaden; 1st Mortgage Senior Vice President Wainwright Richardson; 1st Mortgage President Claude R. Davenport, Jr.; and New York Life 2nd Vice President Robert G. Johnston, Jr.

## **40th Anniversary Recognition**

• The New York Life Insurance Company has recognized First Mortgage Corporation on the 40th anniversary of the two companies' business relationship. New York Life's 2nd Vice President, Robert G. Johnston, Jr., presented First Mortgage President, Claude R. Davenport, Jr., with a plaque of recognition. Davenport accepted the plaque saying: "This dramatizes the importance of the mortgage banking industry. It shows how one company can represent a major financial institutional investor for a long period of time and, thereby, make it possible to bring important capital into our state."

First Mortgage Corporation, an af-

filiate of First and Merchants Corporation (Richmond, Virginia), is New York Life's second largest correspondent in the United States and its largest in Virginia. First Mortgage has serviced some \$73 million in mortgage loans for New York Life. Thirteen million dollars of that mortgage loan financing came in 1971, and an additional \$12 million has already been committed this year.

Among the construction projects which First Mortgage has arranged through New York Life are the First & Merchants National Bank Building in Newport News, and various Richmond apartment complexes - Deerwood, St. John's Wood, the Berkshire, Three Chopt and English Hills.

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PAGE ONE HUNDRED

#### Correction . . .

• In the August Virginia Architect Section, Stonnell - Satterwhite, Inc. were listed as the contractors for the tile and terrazzo work on the Virginia Rehabilitation Center for the Blind. This was an error. OLIVA and LAZZURI, INC. of Richmond furnished and installed the ceramic tile and alberene stone for this project.

# Chesapeake Corp. Installs Oxygen System At West Point

• Why The Chesapeake Corporation of Virginia decided to install an oxygen system at its West Point pulp and paper mill was described by Arthur W. Plummer, technical director, in an address on September 26 before the International Oxygen Manufacturers Association at Lucerne, Switzerland.

Chesapeake will be the first pulp and paper company to establish three full-scale, high purity oxygen applications—for hardwood pulp bleaching, black liquor oxidation and waste water treatment—all supplied by a 100 tons per day cryogenic oxygen plant to be constructed next year on the mill site.

The oxygen-bleach plant, he said, will use hauled-in liquid oxygen at its start-up in November 1972, looking toward production of 300 tons per day of high quality hardwood market pulp. Burdett Oxygen Company at Hopewell, will supply five to ten tons per day for about twelve months.

The oxygen plant will be built by Superior Air Products, Inc., and furnished by Burdett. On completion, it will take over the supplying of the bleach plant. Approximately in October 1973, black liquor oxidation and waste water treatment will begin, said Mr. Plummer, using oxygen of 99.5% purity.

"You may be wondering why Chesapeake chose the oxygen course," he said. "First of all, we had to use more hardwood to balance our reforestation program. After choosing bleached market pulp as our new product, we compared conventional chlorination and all available oxygen-bleaching methods. Continuing the Chesapeake tradition of being progressive and innovative, we decided we did not want to build the last conventional bleach plant in the world."

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# Plans Released For 277-Unit Richmond Hyatt House



• Richmond Corporation through its affiliate, Richmond Equivest, Inc., has released plans for Richmond Hyatt House, a 277-unit motor hotel to be constructed on the company's Brookfield tract in Richmond's West End.

Clearing and grading of the site had been completed at the time of the September announcement, with construction expected to begin during the first week of October. The multi-milliondollar motor hotel will be located on a sloping 10-acre corner of the Brookfield tract at the intersection of Interstate 64 and West Broad Street.

Hardwicke Associates, Inc., of Richmond are architects for the project. It will become a part of the Californiabased Hyatt Corporation's national chain of hotels and motels under an operating agreement with Richmond Equivest, Inc., which is building the hotel.

Contractor for the Richmond Hyatt House is Daniel Construction Company of Virginia, Inc. Opening is expected by the fall of 1973.

Meeting rooms and a ballroom for business conferences, club meetings and a variety of other activities, such as special sales exhibits, will be features of the motor hotel and are being designed with the flexibility of accommodating groups from 15 to 600 people. Complete audio-visual facilities and equipment will be available for each meeting area.

Plans also include a triple-level cocktail lounge and restaurant section to accommodate 115 people in the partitioned cocktail area and 150 in the restaurant. Boutiques and other shops are planned for the project.

The 277 units offer three types of rooms—65% will be "petite suites" with divided parlor, bath and sleeping areas; 20% will be similarly arranged into double or adjoining "petite suites"; and 15% will be special and deluxe suites. Among the special suites will be those specially equipped for the handicapped and infirm.

Plans call for some deluxe suites to include sauna baths and walkdown Roman-style whirlpool baths.

There will be a year-round, heated indoor-outdoor swimming pool. Swimmers will be able to use either part by swimming under a glass partition. Sauna baths will be available adjacent to the swimming pool.

Richmond Hyatt House, which will be expandable to approximately 500 units, features a unique architectural design of wood and brick in a quadrangle surrounding a courtyard with fountains and pools in a park-like environment.

Richmond Equivest is developing the Brookfield tract into a living-working community covering 70 acres across West Broad Street from Reynolds Metals Company headquarters. Office buildings, a residential development, a community center, shops and a bank are planned in addition to Richmond Hyatt House.

Hyatt Corporation operates 25 hotels and 45 lodges with a total of 12,300 rooms and plans to have an additional 37 hotels with over 15,600 rooms by 1974. Hyatt Regency Atlanta is one of the best known of the company's existing hotels. In the East, Hyatt hotels or motor hotels are underway in Nashville, Tenn., Birmingham, Ala., Winston-Salem, N.C., and Cherry Hill, N.J.

Through a foreign affiliate, Hyatt International, Inc., the organization also operates hotels in Europe and Asia, with more being built, including one at London's Heathrow International Airport.

Richmond Hyatt House was patterned closely after Del Monte Hyatt House near Pebble Beach, California.

Hardwicke Associates, Inc. is a design-oriented architectural firm. Recently completed buildings designed by Hardwicke include the Cascades Restaurant-Meeting Center and the terrace wing addition to the Motor House in Williamsburg, as well as Philip Morris, Inc.'s engineering building and its laboratory building, which is under construction in Richmond.

Richmond Corporation, with combined assets of more than \$1 billion, is a financial services organization with affiliates in life, casualty and title insurance; investment couseling; real esstate development, sales and management; mutual fund sales and management; general insurance marketing and computer software and facilities management.



PAGE ONE HUNDRED THREE

to tell the Virginia Story





David Carl Brummett, Channel 23's new intermediate science instructor, is on camera at a pond on Haymaker Farm in Goochland County where he shows a group of students how to explore the rich possibilities for learning about nature in their own neighborhood. Brummett is setting up a pond environment called a "microcosm" or closed eco-system in a large jar.

# New Growth For In-School Television At Central Virginia ETV

• The 1972 School Year marks new growth for in-school television at Central Virginia Educational Television. Central Virginia ETV is up-dat-

Central Virginia ETV is up-dating several of its series that have been used in previous years.

Bruce Miller, Channel 23's Director of News and Public Affairs and commentator of THE AMERICAN SYS-TEM, a government series, will be retaping several of his programs to reflect the changing issues in the United States today. In particular, his telelesson on the Constitution has been retaped using the same material—Jefferson's writings—but the presentation has been changed to use modern-day reporters—including several members of the WWBT News Team.

To tie in with the Presidential election this year and the mock political elections held in Central Virginia schools, Bruce Miller planned a special three-part series on the electoral process. The first program dealing with the political convention; the second, the candidates' presidential debate; and the third program, the actual televising of a mock election held in an area school.

Mr. Miller has been the recipient of two Freedom Foundation Awards for depicting the American Way of Life.

Mrs. Sandra Waugaman, Channel 23's studio art instructor, will be retaping programs in two of her series; START, an intermediate art information series that will also be broadcast on Channel 57 this year, and ART DISCOVERIES, a second grade art series. For her START series, Mrs. Waugaman is conducting student-art teacher workshops in Central Virginia classrooms. Students in these workshops will be critiquing lessons from last year to improve programs and helping to direct and plan program segments that will be retaped this year. Mrs. Waugaman's ART DISCOV-ERIES series, a second grade art series, will be completely retaped this year and will be directed by Ms. Donna Sanford, Channel 23's first woman director. Each lesson in this series will conclude with a mystery item, an object from the world around him. A close-up of that object will be shown and the students will be asked to identify the object.

Mrs. Clarice Christian will also be retaping her first grade mathematics series, NUMBER TRAIN. In this series, Mrs. Christian will endeavor to present math to the children in such a way that the child will become more aware of its importance and the use of math in his environment.

The open classroom and its growing usage, as well as the yearly increasing utilization of educational television itself, mark new vistas of progress at Central Virginia ETV.

Now being employed in approximately 15% of Central Virginia's classrooms, the open classroom concept gives the impresion of being a oneroom schoolhouse with each child moving to new learning levels when he is ready for them.

The increased freedom for the child to advance at his own rate of speed has led to the introduction of new techniques to inspire the students to reach maximum growth.

Central Virginia ETV is cognizant of this open ungraded concept as it develops its new intermediate science series entitled SYNTHESIS. Prepared and presented by David Carl Brummett, a doctoral candidate in science education at the University of Virginia, this new series is innovative in many respects. Not only is it ungraded, making it usable by any student in the 9 to 15 age range, but it also employs a free approach to stimulate each student to seek knowledge in his own particular way. No longer will educational television science be a series of experiments, but it will now endeavor

to inspire the student to devise his own experiments; thus using his own initiative to learn about nature and the scientific world around him.

With this truly innovative approach to teaching, Brummett has generated an unprecedented cooperative effort from all levels of science educators throughout the state. Not only is the State Department of Education looking forward to this series with a great deal of enthusiasm; but also, college educators and private scientific centers are giving valuable assistance in time, information, and resource material.

Another milestone for the television educators at Central Virginia ETV is the increased utilization function. Prior to this year, utilization personnel have been studio teachers who spent about 50 percent of their time in the studio and the rest in the field visiting schools in the Central Virginia area. This year the new Utilization Coordinators, James Enroughty, Secondary Educational Coordinator, with three years experience teaching in Richmond's inner city schools; and Mrs. Thelma Hollingsworth, Elementary Coordinator, former Coordinator in Salem Church Junior High, will spend 100 percent of their time in the field helping teachers more thoroughly utilize

educational television and adjust to the open classroom concept which is growing in usage every year. Another highlight of the 1972-73

School Year is the new utilization service provided by the State Department's Department of Telecommunications. Mark Delp, the State Department's Utilization Coordinator for the Central Virginia area, will have his office at Channel 23 and will work directly with the schools located in this territory. Delp is no stranger to Channel 23, since he is the instructor of WCVE's "Industrial Arts for the 70s," seen in high schools in Virginia and other states. Delp has also been a utilization coordinator during the 1971-72 school year.

Central Virginia has also increased its in-service training for teachers. During the workshop sessions held during the latter part of August, WCEV aired special programs on pertinent subjects to teachers, including learning disabilities with noted educational authorities, open-classrooms and the poular PBS program, WHAT DID YOU LEARN IN SCHOOL TO-DAY? This pre-school series is an attempt to bring authorities and educators who are not readily available to teachers in the classroom.



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VIRGINIA RECORD

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# State Announces Acquisition of Life of Virginia Buildings

• The Commonwealth of Virginia and The Life Insurance Company of Virginia announced, on October 25, that an agreement had been reached for the Commonwealth to acquire Life of Virginia's buildings adjoining Capitol Square. The properties consist of the entire block bounded by Ninth, Tenth, Broad and Capitol Streets.

Also included in the acquisition was the Seventh and Marshall parking deck owned by Life of Virginia.

The acquisition cost by the Commonwealth of Virginia for the properities will be \$13.1 million.

Two connected office buildings on the property contain approximately 360,000 square feet. The 910 Capitol Street building is a nine-story structure completed in 1965 and occupied principally by Life of Virginia, a Richmond Corporation affiliate. The lower portion of the building is leased by International Business Machines Corporation, and state offices, including the Governor's Cabinet, occupy a portion of the third floor.

The connecting building, known as 914 Capitol, was built in stages and consists of a five-story and an elevenstory portion. This building was extensively remodeled and enlarged in 1957 and 1969. The Department of Community Colleges, Council of Higher Education, Attorney General's Criminal Litigation Division, and Virginia State Travel Service lease space in this building.

The 620-car parking garage, at the southeast corner of Seventh and Marshall Streets, was completed in 1966. The state is a major user of the garage facilities.

The Commonwealth of Virginia will take possession of the properties when construction of a new headquarters



building for Life of Virginia is completed. The company has agreed to expedite the planning and construction of its new facilities, and the state hopes that the property will be turned over in approximately three years. The terms contemplate transfer no later than the fourth anniversary of the agreement.

In commenting on the announcement, Warren M. Pace, Life of Virginia president, said: "We are in the process of completing an analysis of our present needs and contemplating our future requirements. No site has been selected. We are considering locations in the downtown area as well as at Brookfield, the 70 acre tract being developed by Richmond Equivest, another affiliate of Richmond Corporation. A study of space needs and optimum building size and configuration must be completed before any decision will be made about the appropriate location for our new building."

In commenting on the purchase, Governor Holton stated: "This not only provides badly needed office space for the state, but further guarantees the preservation of the area around Capitol Square. This building is also easily accessible to other state agencies located near Capitol Square."



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VIRGINIA RECORD
## Velco To Open Plant In Chilhowie

Welco Manufacturing Company is nilding a 30,000 square foot plant in hilhowie for the manufacture of dryall joint compound, tape and acouscal textures for drywall industry and aint sundries such as spackling paste, atching plaster, powdered texture aints and other specialty items for the aint industry.

Manufacturing operations are scheded to begin about November 1, acording to a plant official. At full proaction the plant will have an employent of 40, including office personnel. A joint venture between Welco lanufacturing Company of North ansas City, Missouri, and Welco lanufacturing Company of Dallas, exas, the Chilhowie site was selected fter consideration of locations in a umber of East Coast states.

In selecting the southwest corner of irginia as the location for its first ast Coast manufacturing and distriution center, the official explained hat the competitive price on Welco roducts can be maintained since the ompany can ship goods to locations ithin a 500 mile radius of the plant. "he Chilhowie plant will serve Welco ustomers in the northeast, southeast nd mid-Atlantic states.

Organized in 1946, Welco has grown om a small operation in a residential ellar into one of the major suppliers erving the paint industry, building naterial wholesalers and drywall trade. Working with Welco Manufacturing company in its plans for the new faility were the Virginia Division of ndustrial Development, the Norfolk Western Railway Company, the Virginia Chamber of Compares and

Virginia Chamber of Commerce and David Rouse, of the Chilhowie Chamer of Commerce, who built and leased he new facility to Welco.



#### VIRGINIANS IN CANADA

WELCOMING VISITORS TO VIRGINIA—Volunteer members of the Virginia Travel Council distributed some 250,000 Virginia travel folders, maps, guides and promotional materials to would-be vacationers at the Canadian National Exhibition at Toronto, Ontario, Canada during August. The 21-day promotion was timely since every year thousands of Canadians head south after Labor Day. Thomas H. Gibson, executive vice president, Skyline Caverns, Front Royal, and president of the Virginia Travel Council (left); and Miss Connic Jones of Virginia Beach, greet the Canadians at the Virginia booth and invite them to visit the state. The Fair closed on September 4 (Willy Lobel Photo)



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VIRGINIA RECORD

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#### **Thompson-Arthur Paving Company Graduates Apprentices**

Apprenticeship and Training leadrs from over the southeast met in Greensboro, North Carolina on Friday, une 23, 1972, at the Holiday Inn— Your Seasons to celebrate Thompson-Arthur Paving Company's third year n apprenticeship. Eight Operating Entimeer apprentices received their completion certificates through the auspices of the North Carolina and Virinia Apprenticeship Councils and the United States Department of Labor, Bureau of Apprenticeship and Trainng.

Former Deputy Administrator of he Bureau of Apprenticeship and Fraining, United States Department of Labor, George Sabo, currently Southeastern Regional Director for the Bureau of Apprenticeship and Training was principal speaker and discussed the advantages of apprenticeship and training programs in the construction industry.

Entry into apprenticeship and training by Thompson-Arthur was a milestone in paving history in North Carolina; Thompson-Arthur being one of the first companies in the state to develop apprenticeship standards. Due to the critical shortage of qualified mechanics throughout the paving industry. Thompson-Arthur Paving Company recognized the need for formal training in apprenticeship.

Highway paving, a unique industry, especially attuned to weather conditions and a short work year, presented many training problems, but through trials and adjustments over the past three years, Thompson-Arthur's has become one of the most dynamic programs in the southeast with thirty apprentices registered in four Operating Engineer occupations.

graduates apprenticeship Happy shown in the second row of the group photo are, left to right: King S. Walters, Heavy Construction Equipment Mechanic; Richard A. Allen, Heavy Construction Equipment Mechanic; Harold Neal McCubbins, Construction Equipment Operator, Plant; William A. "Bill" Cotner, Construction Equip-ment Operator, Plant; Thomas L. "Tommy" Tuttle, Heavy Construction Equipment Mechanic; Tommy J. Martin, Heavy Construction Equip-ment Mechanic; Steve M. Westmoreland, Construction Equipment Operator, Major Equipment; Charles L. "Roy" Bowman, Construction Equip-ment Operator, Major Equipment.

Others shown in the group photo are, left to right, first row: Leonard Young, instructor of related training Raymond for apprentices; Van O'Linda, Apprenticeship and Training Representative, Bureau of Apprenticeship and Training, Virginia; T. V. Poole, State Supervisor, North Carolina, U. S. Department of Labor, Bureau of Apprenticeship and Training; George Sabo, Southeastern Regional Director, Bureau of Apprenticeship and Training; W. C. Creel, Safety Coordinator, N. C. Department of Labor; John Bray, Virginia Director of Apprenticeship; Ben Gray, Director, Occupational Extension, Guilford Technical Institute.

Third row: Lloyd Ennis, apprenticeship Representative, U. S. Department of Labor, Greensboro, N. C.; James A. King, Jr., Asphalt Superintendent, Thompson-Arthur Paving Company; Paul J. Greene, Equipment and Plants Manager, Thompson-Arthur; Stuart Hockaday, General Superintendent, Thompson-Arthur; C. G. Hylton, Vice President, Thompson-Arthur; John Conway, Construction Superintendent, Thompson - Arthur; Henry Dale, Equipment and Shops Foreman, Thompson-Arthur; Gary L. Smith, Construction Superintendent, Thompson-Arthur.

Charles H. Shaw, Jr., Vice President, Thompson-Arthur Paving Company and current member of the North Carolina Apprenticeship Council, presided at the meeting.

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Sheltering Arms helps normally self-supporting persons in time of crisis. For those who might not be familiar wit the fine job they do, we consider it a privilege to carry the following story of two typical patients in this issue.

#### "SHELTERING ARMS HELPS BROTHERS"

What happens to the family of a taxicab driver when two of his six children fall victim to an unusual disease requiring hospitalization and treatment? How can his earnings be divided to cover ordinary living expenses and extraordinary ones, simultaneously? This happened to the Powers in 1972. What followed is a typical Sheltering Arms story.

The oldest son, Douglas, 20, and the father of two children, was working away from home in sheet metal on a construction site in South Carolina. He had been a diabetic since the age of 9. His job was completed; his last pay check was spent while hunting for another job at the same location. Without money to buy insulin to control his diabetic condition, he became ill, returned home to Richmond and was brought to the hosiptal on April 5, 1972. Douglas remained a patient at Sheltering Arms for 16 days until his diabetes was controlled and he could return to his parents' home.

Within a short time, the second Powers brother became ill and was taken to the hospital. When X-rayed, Leslie, 19. showed symptons of a lung disease called sarcoidosis. The doctor at Sheltering Arms recalled the older brother's illness and asked that he return for an X-ray. His case was diagnosed as the same disease. Douglas was readmitted to Sheltering Arms and both brothers were treated until their conditions stabilized.

Very concerned about the presence of sarcoidosis, Mrs. Powers took the rest of the family of eleven to the Chesterfield County Health Department for X-rays. Fortunately, all were negative. Sarcoidosis is primarily a disease of young adults characterized by lesions resembling tuberculosis. The cause is unknown. Affected are lymph nodes, skin, lungs, bones, feet and hands. This disease demonstrates periods of activity, remission and even recovery.

Here is a family of a father, mother, daughter, 5 sons, daughter-in-law and 2 grandchildren all living under one roof. Both older sons are unemployed because of a serious illness. The third son, aged 17, has decided to leave high school before graduation to enlist in the Army and earn his high school certificate without being another mouth to feel at home. The father's weekly pay check is the sole source of support. With sarcoidosis, the boys cannot continue as sheet metal workers. But when they are able, the boys can begin training at the state rehabilitation school, Woodrow Wilson to learn another trade.

"I think if I train real hard for 1 months," said Douglas, "and then return home to became a TV repair man, either working for my friend c in business for myself, that I can mak good money, stand on my own tw feet and pay back in taxes what th State of Virginia spent on me. I'd lik to take care of my family. I know could. Maybe I could help someon else, too."

The classic Sheltering Arms story a need for temporary help existed among a family of self-respecting, hard working Virginians not covered b Medicare-Medicaid or insurance. A Sheltering Arms the boys received free medical care during their illness, and eventually they can return to work.

This could not have happened with out the financial support of the gen eral public who have cared enough to keep the doors of this "hospital with a heart" open since 1889. November is Donation Month for Virginia's only free general hospital. \$200,000 is needed this year for the work of Sheltering Arms to go on.

Won't you open your heart to "the hospital with a heart?"



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VIRGINIA RECORD

## Architecture-Engineering

#### Firm Opens Norfolk Office

• The Omaha-based architecture and ngineering firm of Henningson, Duram & Richardson, Inc. has opened n office in the Maritime Tower in Norfolk. James D. Kissell, P.E., Vice President is in charge.

Kissell said he was starting with a taff of six, including two engineers, put expects the office to expand to 30. The Norfolk office will be responsible for the firm's work in most of Virginia, excluding the Washington uburban area, and probably will work n eastern North Carolina. This is the irm's eighth office in addition to the neadquarters in Omaha.

Mr. Kissell, before joining Henningson, Durham & Richardson in 1959, was for nine years with Fulton & Craher, engineers of Lincoln, Nebraska. He is a 1949 graduate of the University of Minnesota. He had a general civil engineering course with a major in the sanitary field.

He is a member of the American Society of Civil Engineers, the American Water Works Association, the American Gas Association and the National Society of Professional Engineers.

This area is not new to Kissell. He has been here for the recently completed survey on an area water plan which he executed for the Southeastern Virginia Planning District.

Kissell said his company is basically concerned with engineering for water, sewer, storm sewer and drainage systems for political subdivisions but that it does engage in work for private firms. It was formed in 1919.

The firm makes feasibility investigations and reports, designs facilities,

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Aleck F. MacDonald is the chief engineer for the Norfolk office. Mac-Donald is a retired Army colonel and from 1965 to 1970 was manager of Far East operations for Henningson, Durham & Richardson. He has a Bachelor of Science Degree in Chemical Engineering from the University of Florida and a Master of Science Degree in Engineering from Texas A & M.

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VIRGINIA RECORD



## Governor Holton, Local Officials, Corporation Executives Honor Rusco of Roanoke on 25th Anniversary

• Some 150 local and state dignitaries including Governor Linwood Holton, as well as executives from several of the country's leading corporations, participated in ceremonies, September 15, honoring Rusco Window Company Incorporated of Roanoke on the occasion of its 25th anniversary in business and the opening of its new, enlarged 60,000 sq. ft. facility in Blue Ridge Park For Industry, Roanoke County.

The ceremonies, which included an open house for the public, began with a special celebration for the Rusco employees and a cake cutting ceremony honoring two Rusco employees observing their 25th year with the firm.

The firm was founded in 1947 by Randolph J. "Randy" Grammer and M. Alton Robertson and at that time only had the two employees and a facility of 1800 sq. ft. The original product line handled by Rusco was the steel storm window.

Today, Rusco employs 100 persons involved in a variety of home and commercial product manufacturing, retail, contracting and distribution operations serving the state of Virginia and adjacent states. Among the products manufactured and distributed by the company are: aluminum and steel storm windows and doors, venetian blinds, canopies and awnings, swimming pools, aluminum siding and garage doors.

Among the companies represented by Rusco are: Alcan Aluminum Corporation, Alcoa, Andersen Windows, Esther Williams Swimming Pools, Feather-Lite storm doors and patio doors, Kel-



Randolph J. Grammer (left), President Rusco Window Company, Inc. of Roanoke, cuts first slice of cake celebrating 25th anniversary of firm. Assisting him are (l to r) M. Alton Robertson, co-founder of the firm and vice-president, and the firm's first two employees— M. M. Buckland, foreman of the storm window shop, and Gerald Whorley, field representative for contractors. Rusco now employs 100. Rusco marked its 25th year in business with special ceremonies on September 15.



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VIRGINIA RECORD

ler Industries (aluminum windows), Rusco Industries (Rusco windows), and Taylor Building Products (steel entrance doors).

Besides Governor Holton, other state and local officials attending the ceremonies included: G. W. "Gus" Nicks, Mayor of Vinton; Roy Webber, Mayor, City of Roanoke; Clinton Slusher, Mayor of Salem; J. Thomas Engleby, Chairman, Roanoke County Board of Supervisors; State Senators William B. Hopkins, David Thornton, James C. Turk; and Delegates Ray Garland, John Towler, and M. Caldwell Butler.

Corporation executives attending included: Eric F. West, President, Al-can Aluminum Corporation, Cleveland, Ohio; K. M. MacQuarrie, President, Alcan Building Products; W. J. Davis, National Sales Manager, Alcan Building Products; Richard Anderson, President, V. E. Anderson Manufacturing Company, Owensboro, Ky.; V. E. Anderson, Jr., Vice-President, Marketing, V. E. Anderson; Art Weiss, President, Feather-Lite Manufacturing Company, Detroit, Michigan; Cecil Johnson, Representative, Feather-Lite; William Neal, Vice President, Amarr Overhead Doors, Winston-Salem, N. C.; E. R. Horeus, President, Rusco Industries, Meadville, Pa.; Mike DeRosa, National Sales Manager, Rusco Industries.

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Following the completion of the ceremonies at Rusco, the party of state and company officials adjourned to the Shenandoah Club for a luncheon program.

The next day, the public was admitted for tours of the new facility from 10:00 A.M. to 5:00 P.M. Everybody attending the open house received a free gift in the form of a tree seedling from the U.S. Forestry Service, distributed by local Boy Scouts, so that the occasion would commemorate the need for increased business growth that works hand in hand with efforts to replenish our natural resources.

Preparations for the celebration went ahead despite damage from Hurricane Agnes to the facility while it was under construction. Despite the hardships suffered, Rusco continued serving its customers. The facility, constructed by Days Construction Co., is located on a 7-acre tract with room for further expansion if needed.



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## **Fairfax Commission Studies Center City Plans**

• The City of Fairfax Council named an eleven-member commission in September, to examine alternatives for the development of the Center City area of Fairfax. The question of the development of the Center City area, encompassing some 350 acres, was a major issue during the city elections held last May.

Headed by city resident Peter Max, an economist and vice president of National Economic Research Associates, Inc. of Washington, D. C., the Commission has ten other members including representatives from the City Council, Planning Commission and the City Chamber of Commerce. Acting as Council liaison to the Commission will be Councilman John E. Petersen. Ronald F. Lange, recently appointed to the City Planning Commission, will represent that city body on the Commission. Representing the business interests of the city through the Chamber of Commerce will be attorney Roy A. Swayze, a senior partner in the Fairfax law firm of Swayze, Parris, Tydings & Bryan.

Serving as members at large on the Commission are Costa E. Apostolakis, an eight-year resident of the city and former member of the City Planning Commission; former City Councilman, Theodore F. Grefe; James L. Haecker, an architect; Mrs. Elizabeth M. Mc-Craw, a former teacher and sevenyear resident of Fairfax; Vincent M. Picciano, currently Director of Court Services in the Fairfax County Juvenile and Domestic Relations Court; former Mayor, Edgar A. Prichard, a partner in the Fairfax law firm of Boothe, Prichard & Dudley; and Thomas H. E. Winshurst, Assistant to the Director of Economic Adjustment in the Office of the Secretary of Defense, also a seven-year resident of Fairfax.

Members of the new Commission were selected from almost 50 residents who volunteered their services. According to Commission Chairman, Peter Max, citizens who volunteered to help in the study will be asked to serve on a special Center City Advisory Committee to work on specific tasks "in both advisory and research capacities to insure best use of talents and special interests."

The new Commission is charged with preparing a land use and traffic patterns report of the Center City area to be completed by the end of January 1973. Specific portions of the report will include a map detailing recommended land use and traffic patterns in the Center City. Recommendations and rationale for land use and traffic patterns and proposed changes in the city's zoning ordinance will also be included in the initial report.

Upon receipt of the Commission's report, the City Council will review the recommendations and make modifications where appropriate. The Commission will then be charged with preparation of a Development Report consisting of recommended stages of development, comprehensive planning and long term budgeting for public services, and "recommended specific development potentials, both public and private."





## **State Highway Department Praised**

· Virginia's first Secretary of Transportation and Public Safety praised the state's road system and its highway employes September 21, in a statement endorsing the 1972 observance of National Highway Week September 24-

Wayne A. Whitham, appointed by Governor Holton earlier this summer as one of six cabinet-level secretaries in state government, said he had observed Virginia's highway program in several capacities—as private citizen and motorist, as a businessman, and as a member of the Winchester City Council and Planning Commission, as well as in his new state position.

". . . I am proud of what I have seen. Without question, the Commonwealth of Virginia has one of the finest state highway systems in the United States," Whitham said.

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"It has, as well, one of the nation's truly outstanding state highway de-partments, staffed by skilled employes committed to high levels of public service. The forthcoming observance of Highway Week provides an appropriate occasion for us to recognize the contributions being made by these dedicated public servants to the Commonwealth.

"I urge my fellow citizens to join me in making such recognition during this period," Whitham said,

He said the observance also offers "an opportunity for all of us to reflect upon the vast progress which has been achieved through investment of our gasoline and other road-use tax dollars in the development of our highway system, and to look ahead together-and with optimism-to the challenges of the future in both our rural and urban areas."

In a related development, the Department of Highways reported that a total of 190 projects covering 330 miles and costing \$210.1 million were completed throughout the state during the past fiscal year.

The completed projects, providing new highways and improvements to existing roads, included the following breakdown by road system:

- * Interstate—47 projects covering 89 miles and totaling \$117.7 million.
- * Arterial-13 projects, 448 miles, \$29 million.
- * Regular Primary-34 projects, 53 miles, \$18.7 million.
- * Urban-22 projects, 18 miles, 23.4 million.
- * Secondary-74 projects, 122 miles, \$21.4 million.

A total of 816 miles of Virginia's 1.079-mile interstate road system have been completed, with an additional 62 miles under construction.

On the four-lane divided arterial network, authorized by the 1964 General Assembly to supplement the interstate system, 995 miles of an eventual 1,738 miles have been developed as dual-lane facilities. An additional 75 miles are under construction.

Among the objectives of the state's 10-year road and street improvement program approved by the 1972 General Assembly are those aimed at having the interstate system and arterial network completed or remaining gaps under construction by 1982.

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VIRGINIA RECORD

#### Bethany Place Baptist Church

(from page 54)

suit each age group and includes builtin cabinets, tackboards and chalkboards as would be necessary for each group.

Incorporated in the educational area is an office suite consisting of: general office; study; work room; Sunday School office; and future space for an assistant. A library is also proposed for a later addition.

The building is heated with hot water cast iron baseboard radiation and is completely air conditioned. Both systems are zoned for various areas.

The roof line and steeple on this first unit are designed so as to be compatible with a future sanctuary and educational additions.

The project was headed by J. C. Wirt, building committee chairman, and W. N. Johnson, board of trustees. Mr. Garvin C. Martin is the minister The church has had a very active ministry, and has added 86 new members.

The general contractor, Walthall Construction Corporation of Colonial Heights, Virginia, completed the project February 28, 1972, at a cost of \$315,000.00. Subcontractors and suppliers for the project are as follows:

From Richmond were—Lone Star Industries, Inc., ready mixed cement; Southern Brick Contractors, Inc., masonry; Bowker & Roden, Inc., reinforcing steel; N. W. Martin & Bros., Inc., roofing, gutters & downspouts; Economy Cast Stone Co., stone & stone work; Harris Painting Contractors, painting; E. S. Chappel & Son, Inc., caulking; Manson & Utley. Inc., weatherstripping; W. K. Hawkins Engineering Co., insulation; A. Bertozzi, Inc., plaster materials; Martin Tile & Marble Co., Inc., tile or marble & setting; W. Morton Northen & Co.,

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Petersburg firms were: Roper Bros. Lumber Co., Inc.; Petersburg Electric Corp., electrical work; K & M Plumbing & Heating Co., plumbing & heating.

Others were: Leonard S. Holderfield, Inc. Sutherland, excavating; James H. Carr, Inc., Kensington, Md., trusses; and, Knickerbocker Steel Partition Co., toilet partitions.



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#### Lionberger Residence

(from 77)

is a masonry fireplace with an arched opening and a raised hearth.

The finishes are tastefully done with special emphasis given to the texture and endurance of the selected materials. The predominant floor materials are carpet, stone and wood. Exterior brick masonry is carried into the entry foyer, with the remaining walls clad in exciting vinyls.

Heating and cooling are furnished through an oil/electric driven forced air system.

The exterior walls are brick veneer. Intersecting planes of ship-lapped redwood, lacquered to a medium gloss, provide visual excitement at changing elevations along the roof line.

The owner is delighted with the achievement of most program objectives within his original budget.

S. Lewis Lionberger Co., Roanoke. was general contractor and did foundations, carpentry, paneling, waterproofing and insulation.

Subcontractors & Suppliers (Roanoke firms unless otherwise noted)

Thomas Bros., Inc., Salem, excavating; Concrete Ready Mixed Corp., concrete; Thompson Masonry Contractor, Salem, masonry; Leonard Smith Sheet Metal & Roofing, Inc., Salem, roofing; South Roanoke Lumber Co., windows & millwork; Timber Truss Co., Inc., structural wood; and, Hesse & Hurt, Inc., painting. Also, Byrd's Terrazzo & Tile Co.,

Also, Byrd's Terrazzo & Tile Co., Inc., ceramic tile; Noland Co. and Williams Supply Co., lighting fixtures; J. M. Blair Co., electrical work; Weddle Plumbing & Heating, plumbing fixtures & plumbing; Johnston-Vest Electric Corp., air conditioning & heating; and, Skyline Paint & Hardware, Inc., hardware.



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#### **Baptist Children's** Home

(from 81)

he exception of the kitchen, which has n epoxy floor.

The administrative area is air conitioned and the entire building is eated with hot water baseboard raiation.

Subconstractors and suppliers for his project are as follows: L. S. Iolderfield. Inc., Sutherland, earth-vork; Lone Star Industries, Inc., Norolk, concrete; Roberston & Sturt, Maoaca, masonry; Mack's Iron Co., Inc., Colonial Heights, steel; G. M. Clemnts Co., Petersburg, painting; Peters-burg Electric Corp., Petersburg, elec-rical work; and K & M Plumbing & Heating Co., mechanical.

From Richmond were: Terminix Engineers, pre-treatment; termite Bowker & Roden, Inc., reinforcing cods; N. W. Martin & Bros., Inc., oofing; Sash Door & Glass Corp., metal doors, frames & glazing; Richmond Primoid, Inc, waterproofing; E. S. Chappell & Son, Inc., caulking & weatherstripping; W. Morton Northen & Co., Inc., acoustical & resilient tile flooring; A. Bertozzi, Inc., plaster; Miller Manufacturing Co, Inc, millwork; John Bagley, toilet compart-ments; Tom Jones Hardware, hard-ware & toilet accessories; J S. Archer Co., Inc., folding doors; John G. Kolbe, Inc., kitchen equipment; and, W. W. Moore & Sons, Inc., dumb waiter.

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What's New?

invaluable repositories for researcher Private organizations began later try and preserve historic landmark A Massachusetts group, in 1847, trie unsuccessfully to save the 1698 India House in Deerfield and the Hancoc house in Boston, which was demolishe during the Civil War. The first suc cessful organization was the Mour Vernon Ladies' Association, formed i 1853. From then until recently, pr vate organizations have experience more failures than successes. Among the Virginia losses cited i

LOST AMERICA were a couple buildings in Fairfax County, two i Alexandria (although this city is mak ing a strong effort at preservation) a parish glebe house in King and Queen (a charming small mid-18th century dwelling, of superb workman ship, reflecting a distinctive Virgini form), and two in Richmond, one o which was the uniquely designed Broad Street Methodist Church which, de spite efforts of local citizens, was de molished in 1968 to make way for (what else?) a parking lot. There wa not enough space in the book to lis all the ante-bellum houses in Rich mond which have been demolished in the past 25 years, mostly replaced by parking lots.

Not all the buildings that have vanished in the Eastern United States were major monuments, either architecturally or historically, and not all could have or should have been saved But, quoting Mrs. Greiff, "taken in sum, they illuminate those intangible losses that far outstrip the physical loss of any single structure. We have lost, or at best gravely diminished, the variety and excitement that once characterized much of American culture. The difference in . . . regional preferences that once transmuted even nationally accepted styles into something individual and locally unique is



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ne . . . Our landscape is becoming mogenized."

Referring to the increasing numbers Americans who visit the old cities Europe, Mrs. Greiff wrote, "Part of hat they are seeking for is what we e destroying in our own environent-the variety and sense of connuity that come from preserving links ith our national past . . . We are losg not only identity in place, but in me. [For] we need our old buildings a point of reference, not just to tell about the past, but to help place the esent and future in perspective." We e losing-indeed, have lost-much hysical beauty along with diversity nd the physical tracing of continuity. Now that the damage has been one, typically the national governent, more than one century after the rst efforts of private organizations, assed the National Historic Preservaon Act of 1966, administered by the epartment of the Interior, which esblished an expanded Register of listoric Places, now grown beyond ,000. In this, matching Federal funds ill be available for state projects. Vhile this, of course, is a *potentially* elpful, if belated, measure to preerve historic sites, still the initiative just come from the communities. here, except for small dedicated roups, American citizens show little clination to place any consideration bove the profit motive, or above hat some bureaucrat decides is "praccal." Also much that is interesting ecause of its local distinctiveness canot be proved to be an "historic place." As is better known by themselves han by anyone else, architects in the nain have gone along with the dulling onformity that makes a city in Oregon ook much a city in Virginia. With heir own economic needs, all too nany have gone along tacitly with Robert Venturi's forthright renunciaion of community responsibility: "I nake no special attempt to relate ar-



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chitecture to other things . . . I ha not tried to . . . make of architectu a more human social art." It is pro ably over-idealistic, and certainly pr sumptuous, for a non-professional ask if *some* architects cannot subscri to what Robert Goodman calls tt "architecture of liberation." But sin Goodman is himself a professor of a chitecture at M.I.T., it might not I amiss to mention his call to profe sionals to begin fundamental cultur change by exposing causes of "env ronmental oppression" and by promo ing alternative environmental forms

In undertaking this, of course, t most zealous architects could not store the loss of the communities' dividualities but, in conjunction wi the many groups now committed preservation, they could halt furth erosion of local environmental cha acter and further contribution to dra uniformity. Although Virginia curren ly is scarcely associated with radic movements, it was once the home revolutionary thought and action, an architects have that tradition to dra upon if they want to experiment her in the "guerrilla architecture" alread practiced in Berkeley, Boston and Ne York City. ("Guerrilla" here mean among other things, avoiding th quicksand along the route of goin through bodies of politicians, whose committees can cause any cultura measure to vanish without a trace.)

This seems the only way to some thing validly "new" which does no destroy the existing values.

Clifford Dourdey



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