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AUGUST 1977



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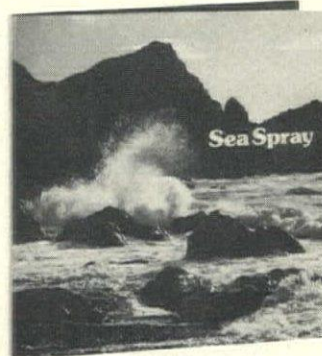
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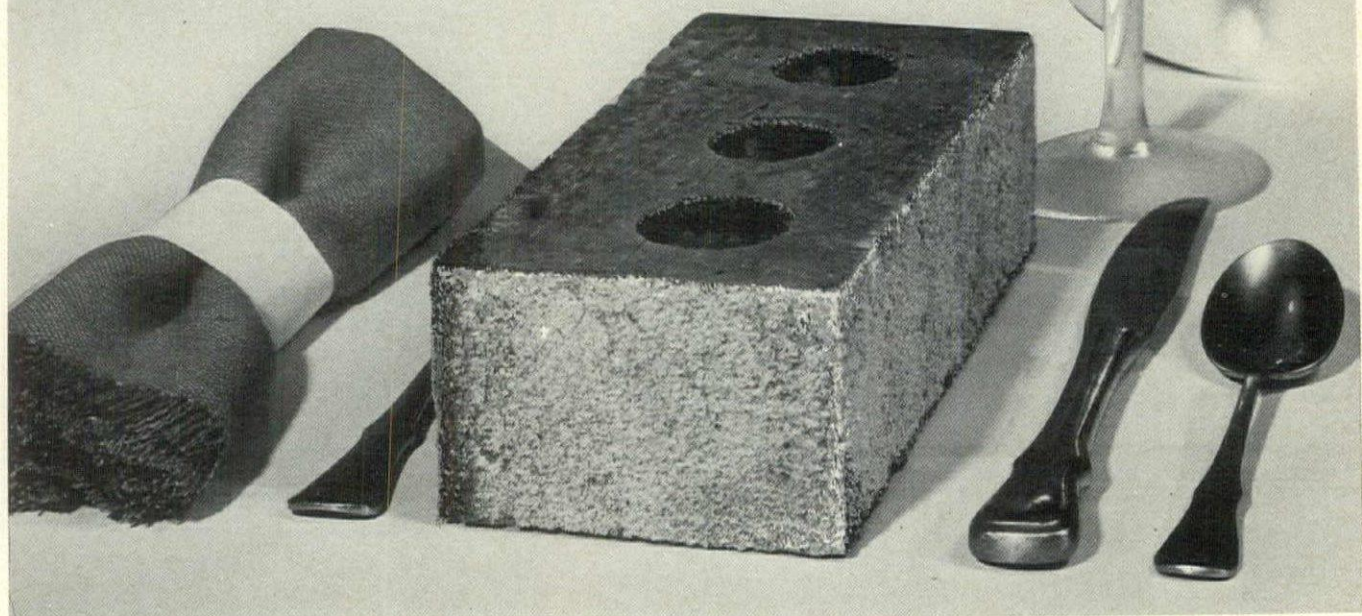
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ON OUR COVER is the Danville Branch of the Virginia National Bank. The facility was designed by Moseley-Hening Associates, Inc. of Richmond and is featured on page 10 of this issue. Cover photograph by Huffman Studio.

AUGUST 1977

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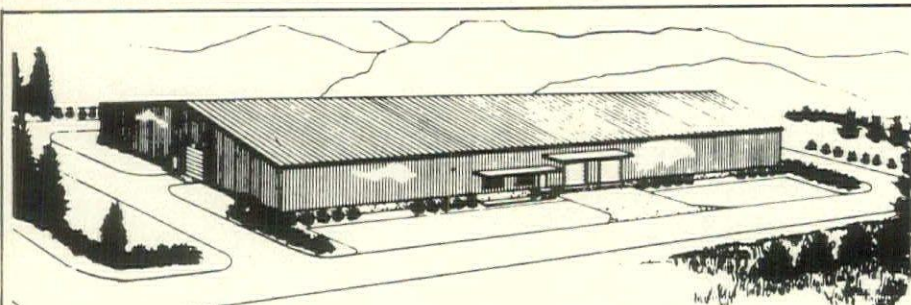
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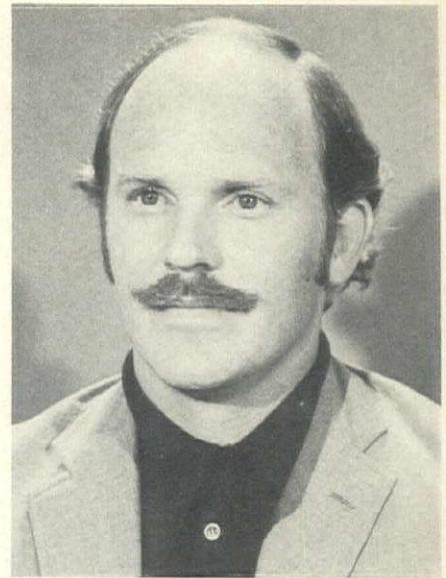
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## BONDS FOR VIRGINIANS

*The continuing series on conservation which started in the May 1977 issue, will resume in the November 1977 issue. It is being interrupted in order that we may present this important message for your consideration.*



By  
Frederick E. Baukhages, IV, AIA

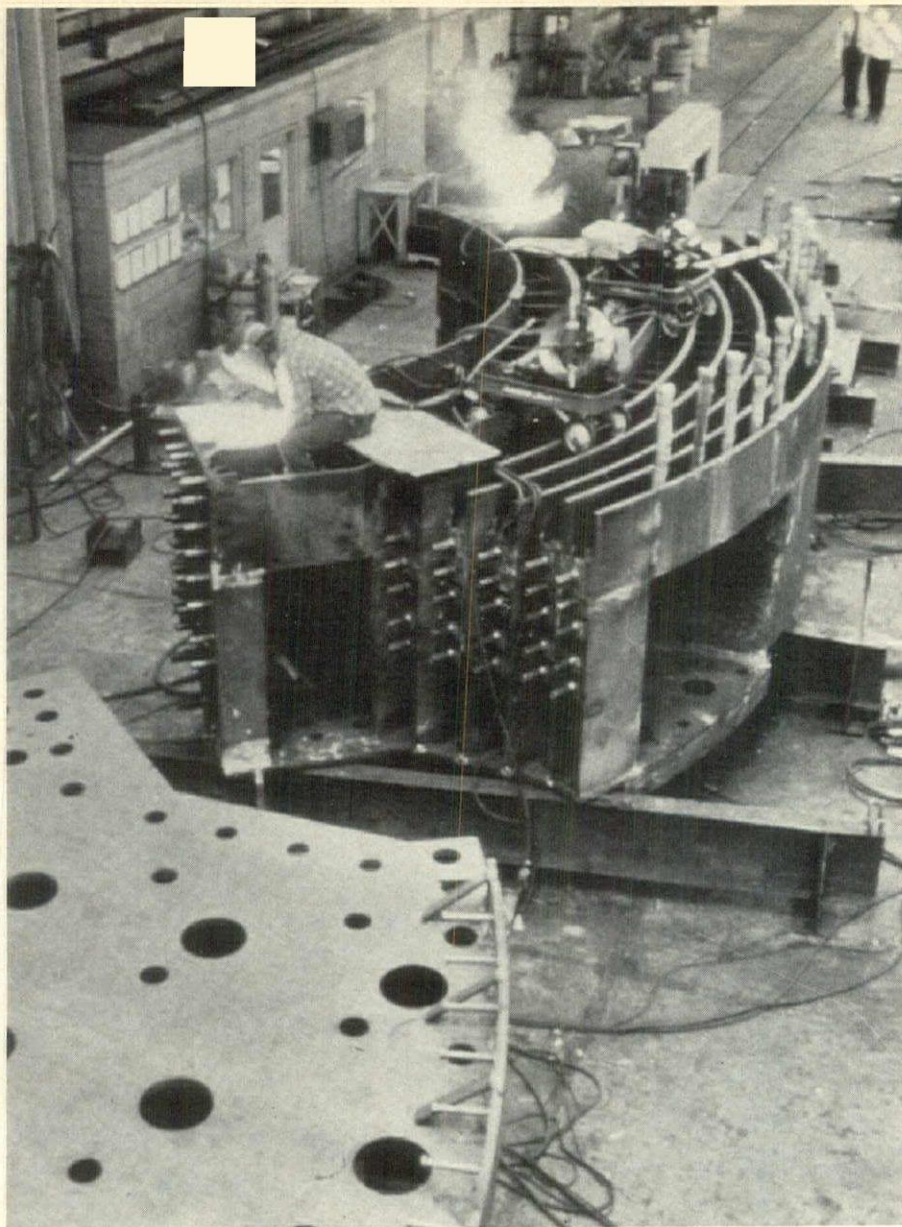
IN 1976, THE CONSTRUCTION INDUSTRY, as noted in the February editorial, was predicting a bottoming out of the decline in building in Virginia and a slight improvement in 1977 with increases expected in the Washington, D.C. and Richmond areas. As viewed today, there has been some improvement in the Richmond and Roanoke areas. The picture is better around Charlottesville and in parts of Tidewater, but construction, and prospects for the immediate future, is "bottomed-out" or down in other areas of the state. It is with no surprise then that we find the Virginia Branch of the Associated General Contractors of America supporting by resolution the November 8 bond issue referendum.

The 1977 session of the Virginia General Assembly overwhelmingly approved five bond issues totalling \$125 million to be submitted to the voters in a referendum. The Governor in a statement to the General Assembly pointed out that "every one of the projects included is critically needed, and needed now." The projects included are NOT primarily for more expansion of state services but were selected to help Virginia catch up in public services with the demand for them now. Some of the buildings involved were approved as much as seven years ago but there was no money for construction. This bond issue will not cover all of Virginia's catch-up needs but the projects included are the most urgent and can be built and in use at earlier dates. The bond issue projects cover five areas of service to the people of Virginia: Colleges, Community Colleges and Universities; Mental Health Facilities; Correctional Facilities; Ports; and State Parks.

In the first of these categories, funds are included for new buildings, expansion and renovation and classroom space at Virginia Polytechnic Institute and State University, the College of William and Mary, George Mason University, the University of Virginia, Virginia Commonwealth University-Medical College of Virginia, Old Dominion University, Mary Washington College, James Madison University, Virginia Military Institute, Longwood College, Virginia State College, Norfolk State College, Christopher Newport College, J. Sargeant Reynolds Community College, Northern Virginia Community College, Thomas Nelson Community College, Tidewater Community College, Virginia Western Community College, New River Community College and at The Science Museum of Virginia. In Mental Health, funds are included for a building at the new site of Western State Hospital and two regional training centers for the mentally retarded. For Correctional Facilities, projects included are a Medium Security Facility, Powhatan; Intensive Treatment Learning Center for Juveniles, Bon Air; Mecklenburg Correction Center; Processing and Industrial Facilities at the Powhatan Correctional Center; Youthful-Offenders Center, Southampton County; and a Regional Medical Installation at the Powhatan Correctional Center. For Ports, money included, together with other

*(Continued on page 57)*





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# NEWS

VIRGINIA SOCIETY  
AMERICAN INSTITUTE OF  
ARCHITECTS

AUGUST 1977

#### The AIA and Advertising

■ At the 1976 National AIA Convention in Philadelphia, the Ethics Task Force brought forth to the Convention floor, proposed changes to the Code of Ethics and Professional Conduct so sweeping that most delegates were swept off their feet by the liberalism. One of these topics of change was in regard to the standards regulating an architect's use of advertising. How much could a member of the AIA be allowed to say about himself and his work and in what form could it be presented?

The proposals would have allowed the architectural practice to broaden its concept of advertising while at the same time protecting the public against self-laudatory or false statements. But because of poorly laid groundwork, insufficient advance notice, persuasive speakers for the opposition and, the uncertainty about what was going to be the outcome of pending court cases relating to attorneys and their similar problems, the proposed changes in the Code of Ethics relating to advertising were, by an overwhelming vote, sent back to committee for further study.

At the 1977 National AIA Convention in San Diego, the Standards were brought back before the assembled delegates. After a year of task force study, numerous public hearings around the country, and three sets of



grass roots input, the new, revised version of the advertising standards were presented along with the other proposed revisions of the Code of Ethics and Professional Conduct. Gone was the heated debate of the Philadelphia Convention over the prostitution of our professional ethic in regard to advertising; and no wonder, because the proposed changes proved to be so minor that it was almost as though no change had taken place. And indeed, the most significant change was to allow architects to indicate specialties in their telephone listings as long as the specialties were not graphically displayed or printed in bold typeface. Big deal! The changes were so minute as to not warrant the least bit of debate among delegates on the convention floor.

This proposed, and now adopted, advertising standard continues to put the AIA architect (big or small) at a disadvantage with the general public when compared to non-AIA architects, designers, and builders who regularly purchase advertising in trade publications, popular publications, newspapers, radio, television — you name it. The AIA member should be allowed, if he so wishes, to meet the challengers on a common ground and have the chance of explaining to the public what he can offer and how the public might benefit from his services.

Other professions are moving in that direction.

It is ironic that these by-law changes were being adopted almost concurrently with the Supreme Court's decision to strike down the ban on advertising for the legal profession. This decision allows attorneys to purchase advertising in the public media describing the types of services offered and the fees charged for those services.

And, one wonders if the Ethics Task Force were still meeting and discussing the advertising changes, would not they have been affected by the Court's decision regarding our fellow professionals — and might they not have proposed changes that would have made advertising a more integral part of the architectural profession of tomorrow.

The San Diego Convention theme was built around "TOMORROW," and yet, without being allowed to reach the public through the means of advertising, I wonder if tomorrow holds an expanding future for architects. Or will they serve an ever decreasing number of clients because "those potential clients whom they can identify by name and position," who are the ones that can be reached with brochures, pamphlets and newsletters, get fewer and fewer.

As long as the advertising ban exists, the architect must seek all existing and

ethical means available to make the public aware of the quality of the products and services he is able to provide. The *Virginia Record* is just such a means. We, the contributing architects are not responsible for identifying the circulation list. The list can therefore be — and is — very much broader than one that an individual or a firm would be able to produce. Your participation in the *Virginia Record* allows subscribers in all walks of life to see examples of your work and thereby be made aware of the quality and variety of architectural services available. The circulation is broad, reaching clear across the country. We were recently made aware of a doctor on the West Coast who, after seeing a past issue of the *Virginia Record* has contacted a contributing architect about designing his house in Virginia when he moves into this area. This is what it is all about — taking the time to do a small amount of public relations in order to help build a practice. I know the effort will be worthwhile in the long run, the firms who regularly contribute, I feel sure, will agree.

The Public Relations Committee  
Virginia Society, AIA

*Richard L. Ford, Jr.*

Richard L. Ford, Jr., AIA



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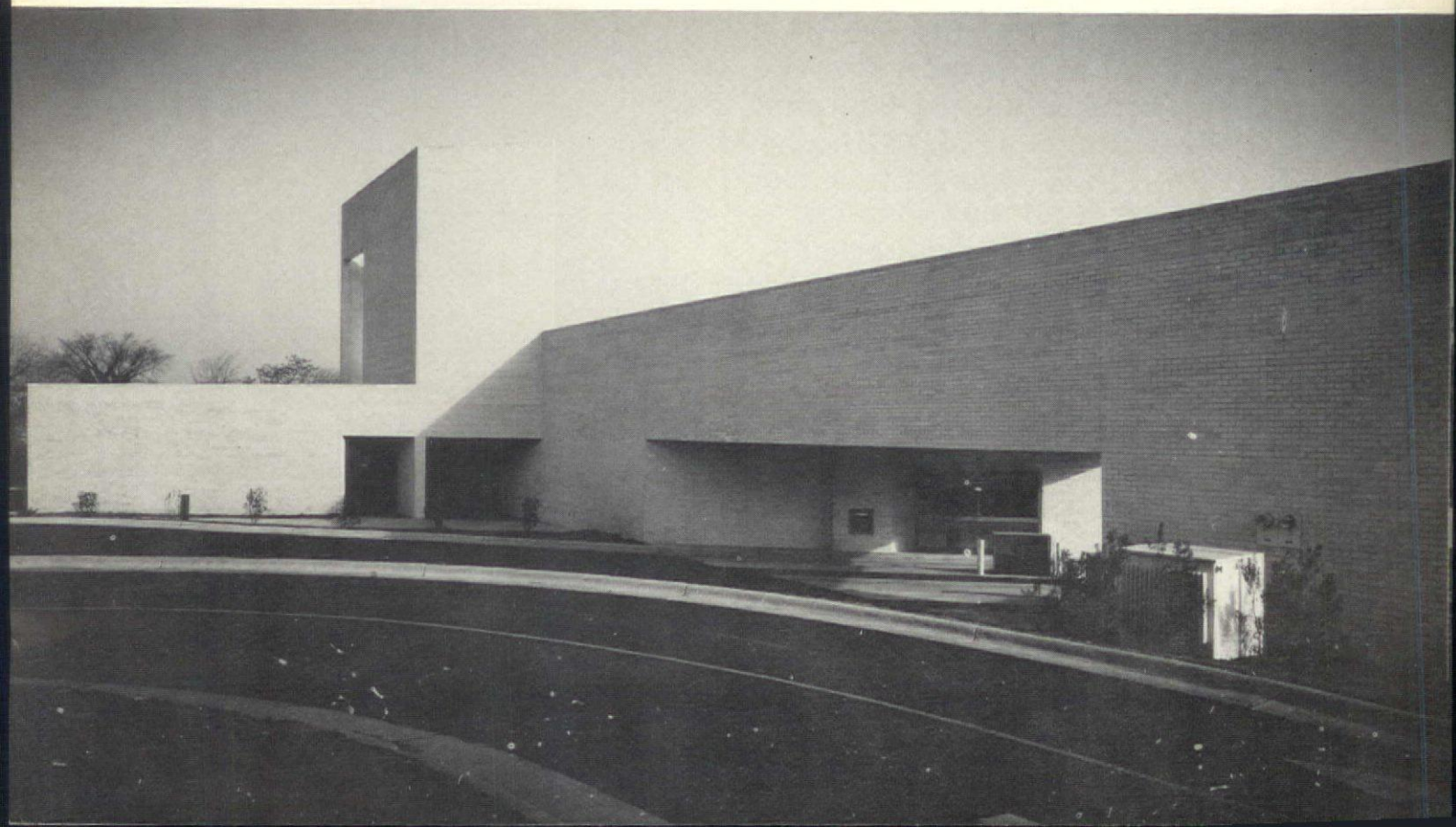


UNUSUAL triangular forms have created a dramatic identity for the Danville Branch of Virginia National Bank. By locating on the edge of the central business district, the bank was able to provide ample parking and to create a new focal point in an area which is undergoing redevelopment.

The triangular forms evolved primarily in response to site considerations and a desire to design a bold, image-making structure. Steep terrain sloping diagonally across the property suggested a triangular plan for best site utilization. The resulting building's rather abstract geometric massing and retaining walls accommodate the slope quite gracefully.

Located on the main level of the 10,000 square foot building are the banking lobby and offices of key personnel. Supporting functions and expansion room occupy the upper balcony level; while drive-in tellers are









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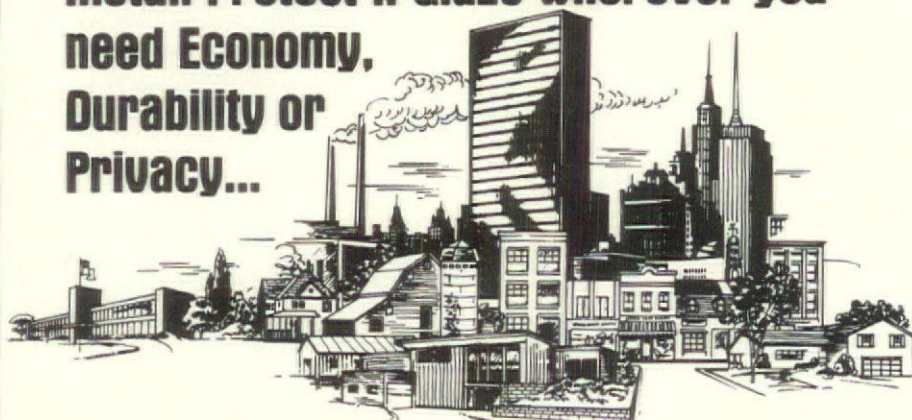
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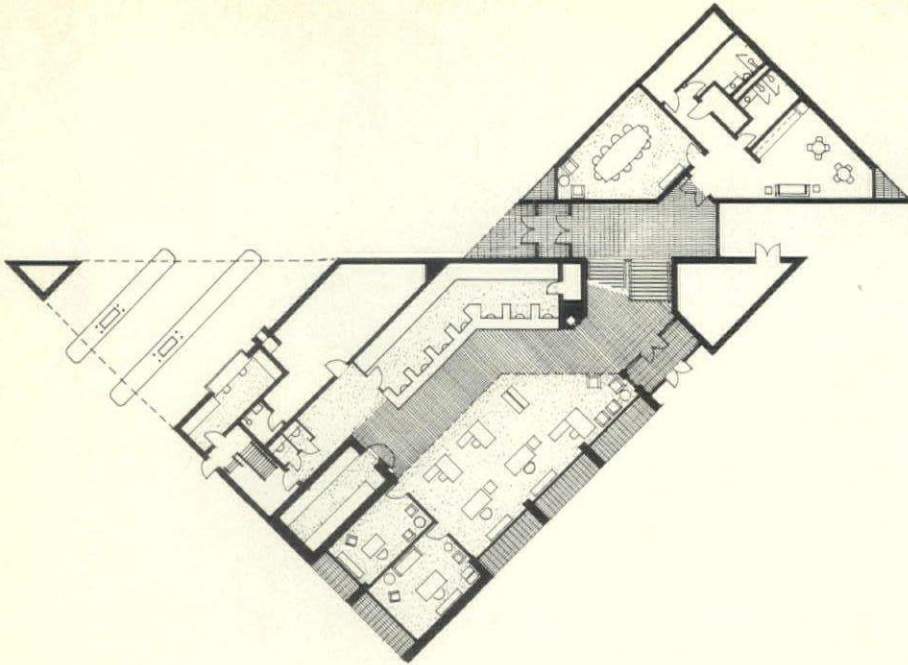
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on a small mezzanine level. The smaller triangle contains additional private functions such as board room and employees' lounge.

Bid in June 1975, the project was completed at 16% below the approved budget.

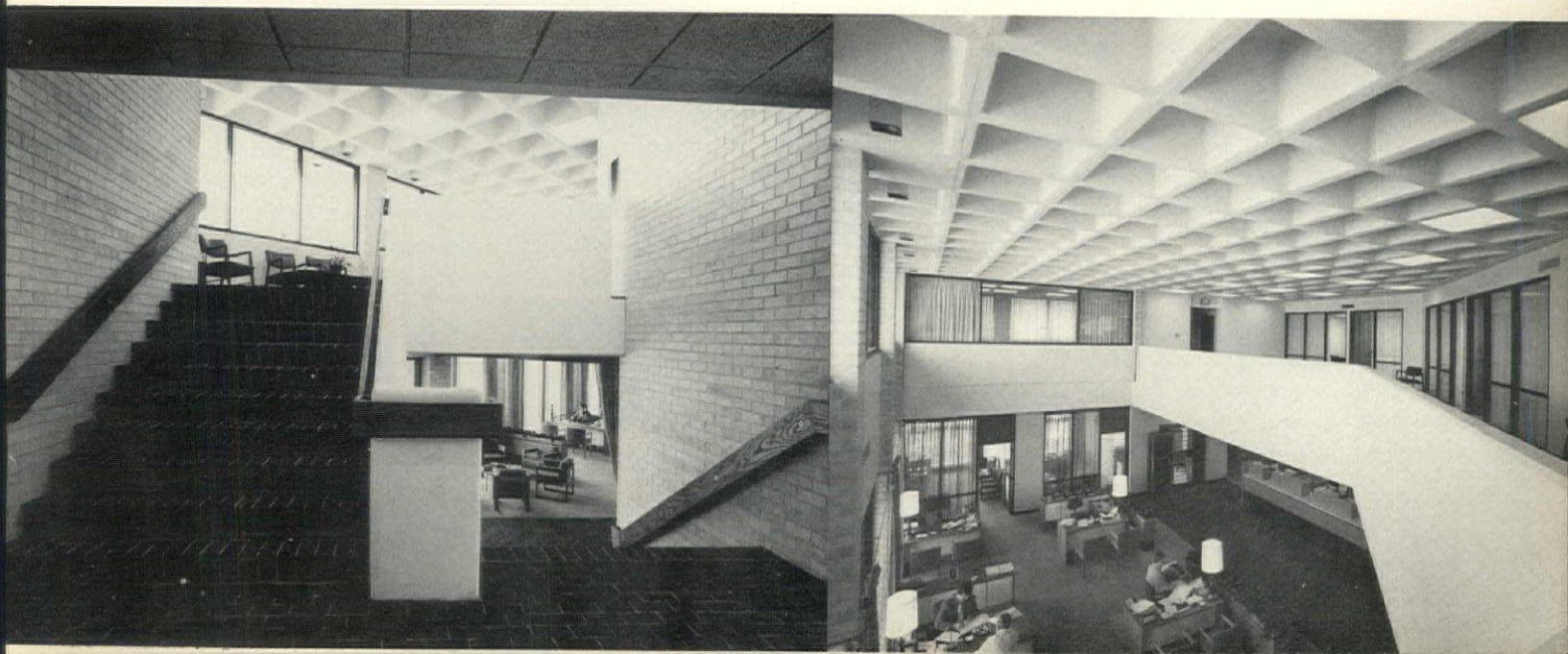
John W. Daniel & Co., Inc., of Danville was general contractor.

Subcontractors & Suppliers  
(Danville firms unless noted)

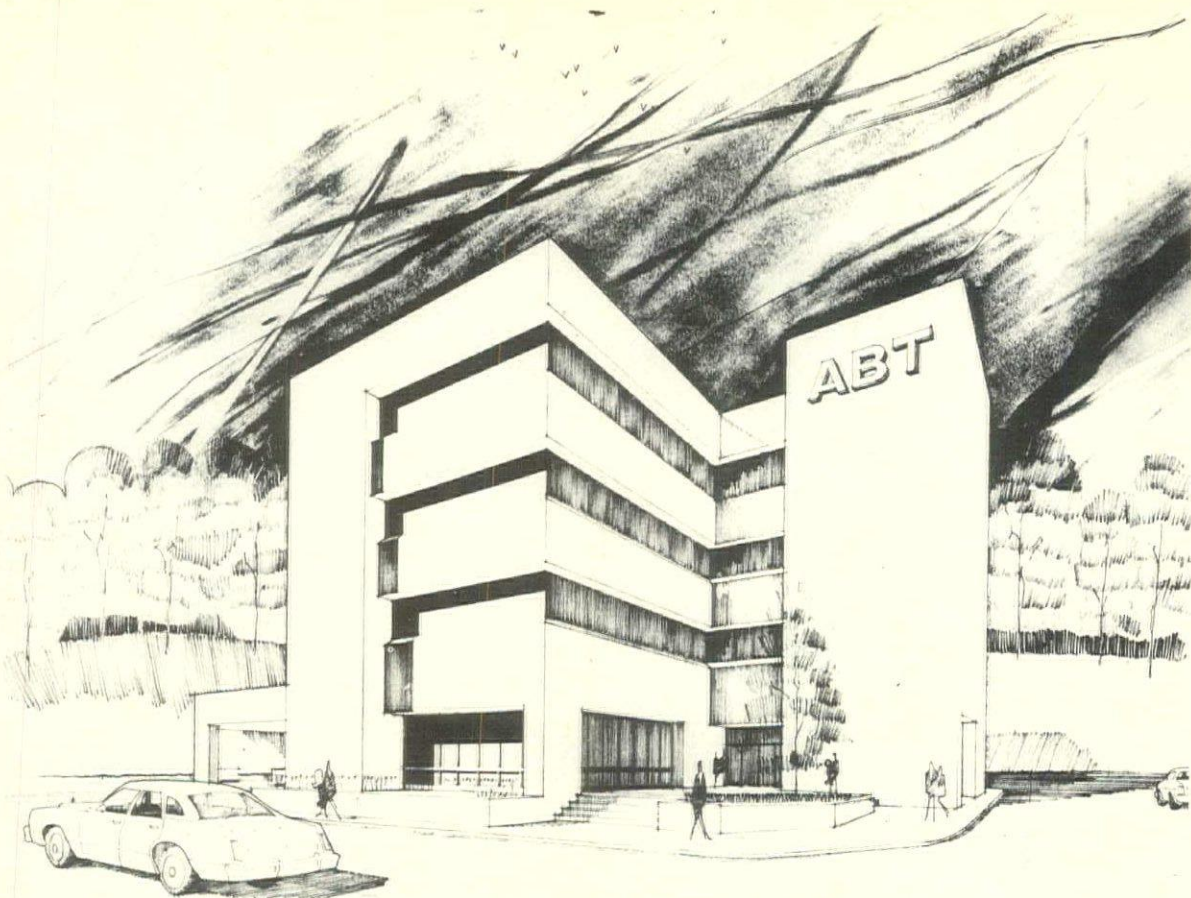
Danville Landscape Nursery, landscaping; Thompson-Arthur Paving Co., paving contractor; Valley Steel

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Bank equipment, not in the contract, was handled by the owner.







# **ALBEMARLE BANK & TRUST COMPANY HEADQUARTERS BUILDING**

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**LAWRENCE E. PERRY — Consulting Engineer, Mechanical/Electrical**

**RICHARD L. WILLIAMS — Consulting Engineer, Structural**

**THE DESIGN/BUILD TEAM — Project Coordinator**

**DAYS CONSTRUCTION CO., INC. — General Contractor**

ALBEMARLE BANK & TRUST COMPANY'S proposed new permanent headquarters building, including bank and office facilities, is to be located on US 29 in Albemarle County near Charlottesville. ABT was founded by a local group of five business men, two of whom are Wendell W. Wood and Earl Eichen. The bank charter granted in 1972 under the name Cavalier-Country Bank has since grown to nine directors and two branch banks, the first at Charlottesville, the second located at Scottsville, opening on August 15, 1976, both under the new name of Albemarle Bank & Trust Company.

The new four-story bank and office facility is sheathed in brick and insulating bronze glass. The glass horizontal expressed openings are

reflected throughout the facility.

The first level contains the banking functions. An entrance plaza with plantings and benches provides a mini

mall atmosphere, through which is the main entrance to the elevator lobby, access to the bank and, by elevator, to the three upper office levels. The brick



paved plaza and elevator lobby harmonize with the brick and walnut plank paneling throughout the bank. The banking lobby has plush carpet areas including the five-teller work area and five drive-up remote stations. Adjacent to the tellers' area is the 15' x 20' vault, three coupon booths, bookkeeping, president's office and two officers' rooms. The support facilities tower adjacent to the elevator lobby, contains the bank equipment room (after hour depository and walk-up banking facility), elevator machine room, janitor and electrical closets and stairway #1 to the upper levels.

The second floor support facilities tower contains the public toilets, janitor and electric/telephone closets. Adjacent to the elevator lobby is the bank lounge with unit kitchen and storage closet for bank employees. The rentable area of 4,600 square feet each — second, third, and fourth floors — is finished with wood paneling, vinyl wall covering, carpeted floors, acoustical ceiling, and movable partitions.

Stairway #1 extends to the roof and leads to a walkway and the helipad facility. The helipad is elevated four feet above the roof level for visual purposes.

The structural system consists of concrete foundations, structural steel frame, steel bar joist, metal deck 2-1/2" concrete floor system. The wall system includes exterior brick, insulating sheathing on steel studs, batt insulation, gypsum drywall or wood paneling interior finish. The support facilities tower is 4" concrete floor slab bearing on concrete block and brick exterior.

Each floor is heated and cooled by three electric heat pump units placed at calculated locations. The heat pumps are metered separately for each rentable space. The building utilizes automatic sprinklers for fire safety.

Days Construction Co., Inc., of Salem, is general contractor for the facility.

Subcontractors & Suppliers  
(All Roanoke Firms)

Structural Steel Co., Inc., steel supplier, steel joists & handrails; LaPrad Roofing & Sheet Metal Co., built-up roof; Air-O-Matic, Inc., plumbing/heating/ventilating/air conditioning contractor; and Newcomb Electric Co., Inc., electrical contractor.

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**THE WILSON-MORETH PARTNERSHIP — LANDSCAPE ARCHITECT**

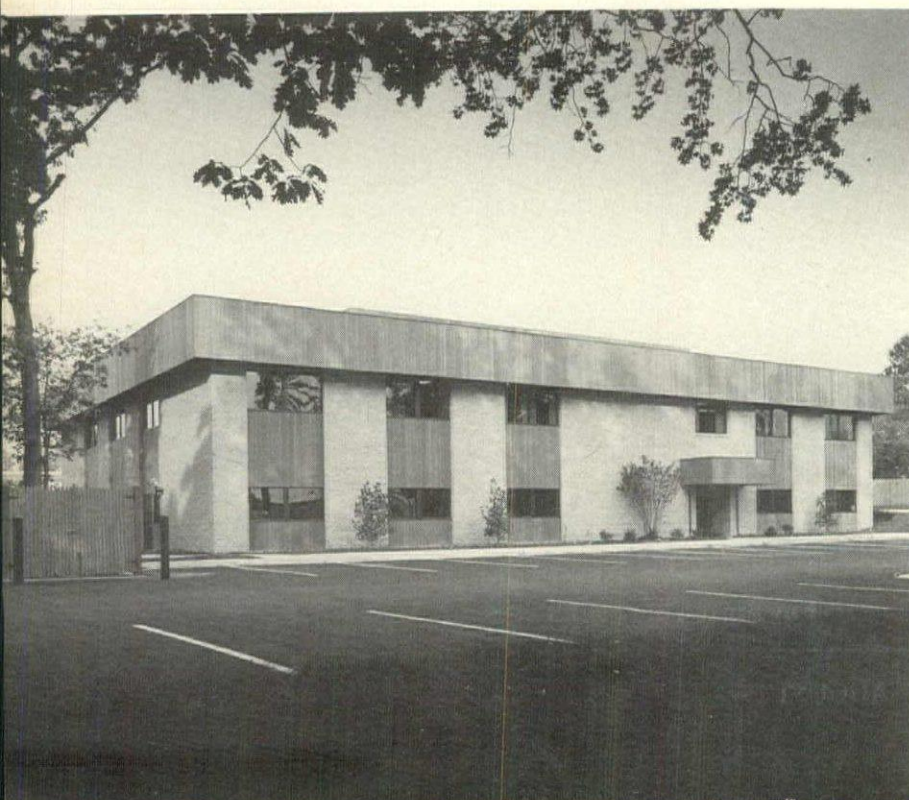
**JOHN E. HARRIS, P.E. — Consulting Engineer, Mechanical/Electrical**

**DUNBAR, MILBY & WILLIAMS — Consulting Engineer, Structural**

**EVERETT WADDEY — Interior Design**

**BARKER CONSTRUCTION CO., INC. — General Contractor**

**HUFFMAN STUDIO — Photography**



**THE TUCKAHOE** Medical Building is located on the immediate fringe of a major commercial complex in western Henrico County which contains three shopping centers, office buildings, theaters, a library, a junior high school and a high school.

Although this building is located in the immediate vicinity of all of this activity, the site was partially wooded and fronted on a street which was not a part of the major traffic flow for the area. These factors all contribute to a more serene character relative to the adjoining commercial area although as a result of county requirements for future street widening and storm sewer demands, many trees had to be removed from the front of the building.

The owner exhibited a high degree of sensitivity to the quality of the site which resulted in working around trees in the parking areas, a substantial landscape budget, and an irrigation system for the site in the immediate vicinity of the building.

The building contains medical offices of various types. The upper floor is occupied by one tenant practicing orthopaedic medicine and is a self-sustaining practice in that it has its own x-ray facilities. The bookkeeping department incorporates a computer system.

The lower floor is divided into four suites for general surgery, ENT and dentistry. Each floor has access to grade level so that patients do not have to use stairs upon entering or leaving.

Energy conservation was a consideration in the design which incorporates a heat pump mechanical system consisting of six zones. The building envelope utilizes masonry



cavity wall construction with rigid foam board in the cavity, windows are glazed with bronze-tinted insulating glass and the roof is insulated at the plane of the ceiling with six inches of insulation.

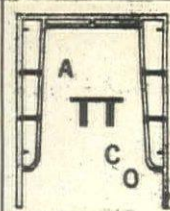
The building was designed as one story on the street side in an effort to maintain the existing street scape of low profile buildings. The exterior incorporates the use of buff-colored split concrete masonry units and redwood siding. These materials permit the building to be less commercial in appearance and contribute to the transition from the high density area to some of the residential properties which still exist nearby.

Barker Construction Co., Inc. of Richmond was general contractor and handled foundations, concrete work, carpentry and part of the millwork.

#### Subcontractors & Suppliers (All Richmond Firms)

P. E. Eubank & Co., excavating; Laird's Nurseries, Inc., landscaping; Ford Paving Co., Inc., paving contractor; Bowker & Roden, Inc., reinforcing; Massey Concrete Corp., concrete supplier; Southern Brick Contractors, Inc., masonry contractor; Concrete Pipe & Products Co., Inc., masonry supplier; S & W Steel Co., Inc., steel erection/joists/roof deck & miscellaneous metal; Trus Joist Corp., structural wood; Custom Kitchens, Inc., cabinets; Richmond Primoid, Inc., waterproofing; and E. S. Chappell & Son, Inc., caulking.

Also, R. Willison Roofing Co., built-up roof, GAF® Mineral Shield roofing, & sheet metal; Owens-Corning Fiberglas Corp., roof insulation; Dow Chemical USA, wall insulation; SDG, Incorporated, glass, glazing contractor, windows & storefront; J. S. Archer Co., Inc., metal doors & frames; Miller Manufacturing Co., Inc., wood doors & millwork; Pleasants Hardware, hardware supplier; A. Bertozzi, Inc., gypsum board contractor; Oliva & Lazzuri, Inc., ceramic tile; Fendley Floor & Ceiling Co., acoustical treatment & resilient tile; Miller & Rhoads & Everett Wadley, carpet; City Wide Decorators, Inc., painting contractor & wall covering; Reames & Moyer, Inc., plumbing/heating contractor; and, R. L. Dixon, Inc., electrical contractor.



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# LANDMARK OLYMPUS CONDOMINIUM

Alexandria

THE VVKR PARTNERSHIP — ARCHITECT/ENGINEER

GLASSMAN CONSTRUCTION CO.

General Contractor

STEVE EGGLESTON

Photography

THE LANDMARK Olympus Condominium Apartment is a 255 unit, 16-story quality residence located in Alexandria. Convenient to Interstate 95 and the Landmark Plaza Shopping Center, the Olympus was designed and





sited to provide a striking element in the landscape as seen from various approaches to Alexandria.

The gracefully curved building has been highlighted by a traditional European style "Plaza" entrance area, constructed of maintenance-free brick pavers. These have been laid in a fan pattern, providing an expansive and pleasant commons. Brick planters and lighted bollards provide subtle separation of pedestrian and vehicular traffic. Oval fountains with cascading falling and flowing pools of water further enhance and shape the aesthetics of the building.

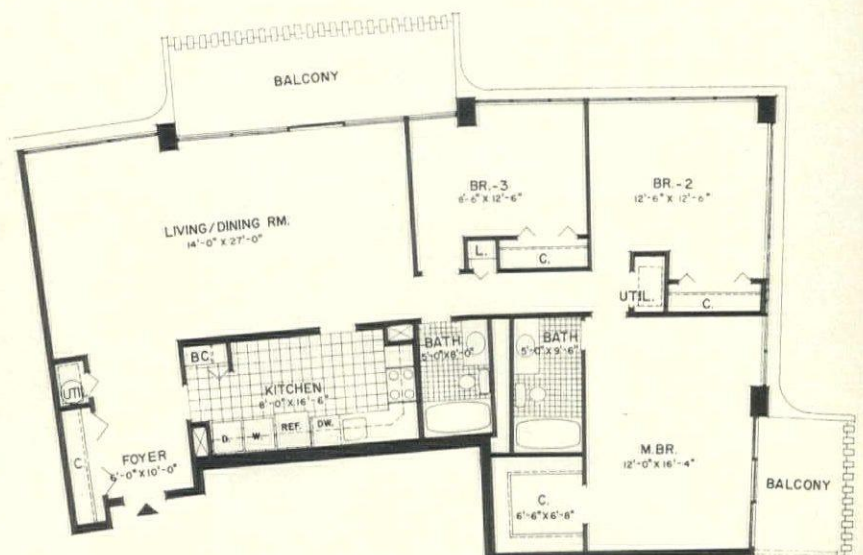
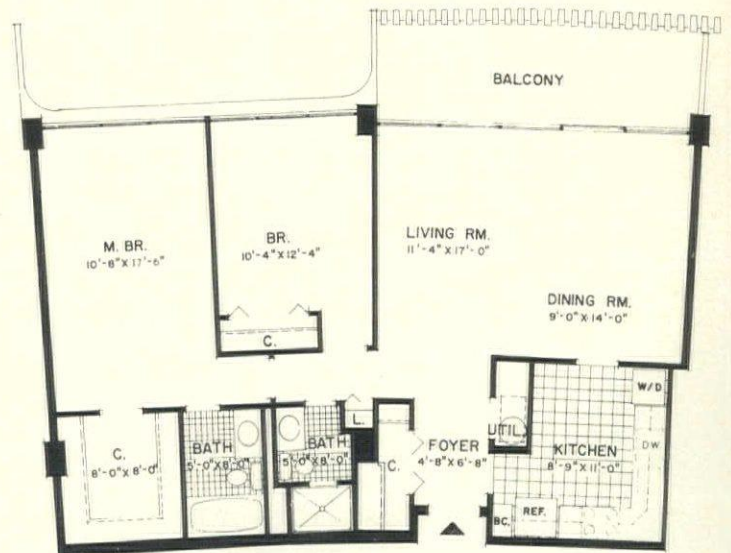
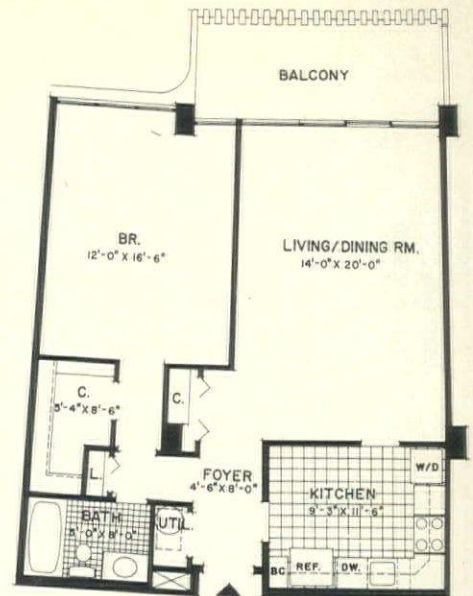
The balconies on the Olympus are integral with the building design, being specially created to provide a horizontal accent for the building, thereby reducing the apparent scale and mass.

Two levels of underground parking provide secured parking for 240 cars, with an additional 110 spaces on site.

Common facilities in the Olympus include two multi-purpose party rooms, each for 100 people, a pool, sauna and dressing room, and three outdoor tennis courts, with the tennis courts utilizing the roof of the underground parking structure.

Each apartment has a washer, dryer, dishwasher, double oven and a double range. Security is provided by an electronic fire detection and security system, as well as pushbutton operated combination locks.

The lobby and reception area is warm and welcoming and the curved hallways avoid the "institutional," hotel





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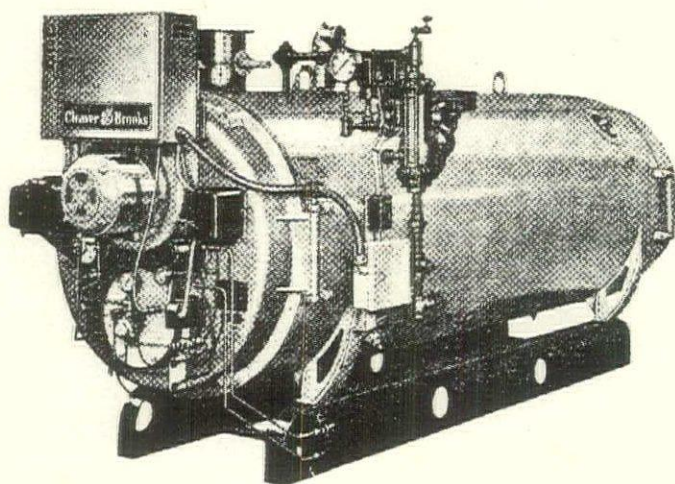
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Glassman Construction Co. of Washington, D.C. was general contractor.

#### Subcontractors & Suppliers

Meadow Farms, Inc., Sterling, landscaping; Miller & Long Co. of Md., Inc., Bethesda, Md., concrete contractor/supplier; United Masonry, Inc. of Virginia, Alexandria, masonry contractor; Virginia Metal Products Div., The Gray Manufacturing Co., Orange, metal doors & frames; Washington Plate Glass Co., Inc., Washington, D.C., windows, window wall & storefront; and P & P Contractors, Inc., Rockville, Md., plaster contractor.

Also, D & J Swimming Pools, Inc., Washington, D.C., swimming pools; Armor Elevator Co., Inc., Washington, D.C., elevators; American Automatic Sprinkler Co., Inc., Springfield, sprinkler contractor; John A. Quinn, Inc. of Md., Rockville, Md., plumbing/heating/ventilating/ air conditioning contractor; The Howard P. Foley Co., Washington, D.C. electrical contractor; Baur-Foster Corp., Baltimore, Md., tennis courts; E & R Construction, District Heights, Md., concrete plaza topping, ramp, slab, walks, curb & gutter; Construction Products & Systems, Oxon Hill, Md., trash chute; Mac Levy Products Corp., Elmhurst, N.Y., sauna rooms; and Eastern Fence Inc., Fairfax, wood fence around swimming pool.





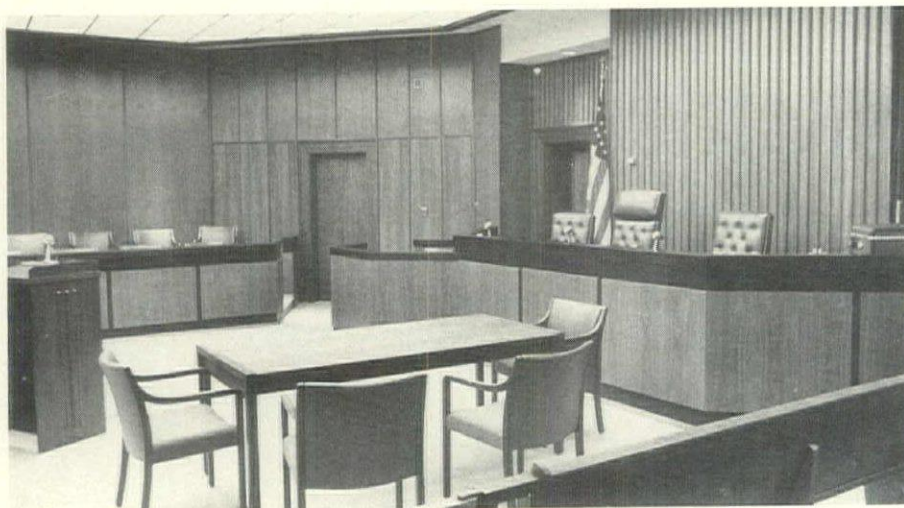
# TWO PROJECTS BY ECHOLS-SPARGER & ASSOCIATES —

## SMYTH COUNTY COURTHOUSE

### RENOVATION/ADDITION

#### Marion

LOEST & STANLEY, INC. — Consulting Engineer, Mechanical/Electrical  
RAYFORD B. SMITH, ENGINEER — Consulting Engineer, Structural  
LINCOLN BUILDERS SUPPLY CO., INC. — General Contractor  
CHRISTOPHER W. UMBERGER — Photography



IN THE EARLY 1970s Smyth County discovered that their Courthouse could hardly contain all the people and records necessary to carry on the functions of the courts and county government. In fact, some departments of the county government were overcrowded to the point that they could no longer function efficiently. The Board of Supervisors then commissioned Echols-Sparger & Associates to provide a solution to their space problems.

The architects proceeded to perform a complete analysis of the existing structure and investigation of the cost of construction of a comparable new building. The investigations revealed that, because of the substantial reconstruction that would be required, renovation would not be significantly cheaper than new construction. However, because of the historic character at the 1905-vintage structure, the architects and board of county supervisors agreed on a renovation of the existing courthouse with an addition to provide much needed floor space.

The addition and renovation was designed to preserve the dignity and style of the original structure, while upgrading the building to comply with building codes and provide barrier-free access for handicapped persons. Construction was phased to permit a majority of the courthouse spaces to remain in use while renovation was taking place.

Both General District and Juvenile and Domestic Relations Courtrooms

*(Continued on page 24)*



# LIBRARY-OCCUPATIONAL-TECHNICAL BUILDING SOUTHWEST VA. COMMUNITY COLLEGE Richlands

**SOWERS, RODES & WHITESCARVER, INC.** — Consulting Engineer, Mechanical/Electrical  
**RAYFORD B. SMITH, ENGINEER** — Consulting Engineer, Structural  
**CLICK CONSTRUCTION CO., INC.** — General Contractor  
**CHRISTOPHER W. UMBERGER** — Photography

**WHEN** Echols-Sparger & Associates were selected to design a Library-Occupational-Technical Building for Southwest Virginia Community College, the campus consisted of a single building. Officials from SVCC and the State Department of Community Colleges worked together to set up the educational priorities. The architects were then given the responsibility of taking the educational program and translating it into the physical facilities which would fulfill the needs of the growing college.

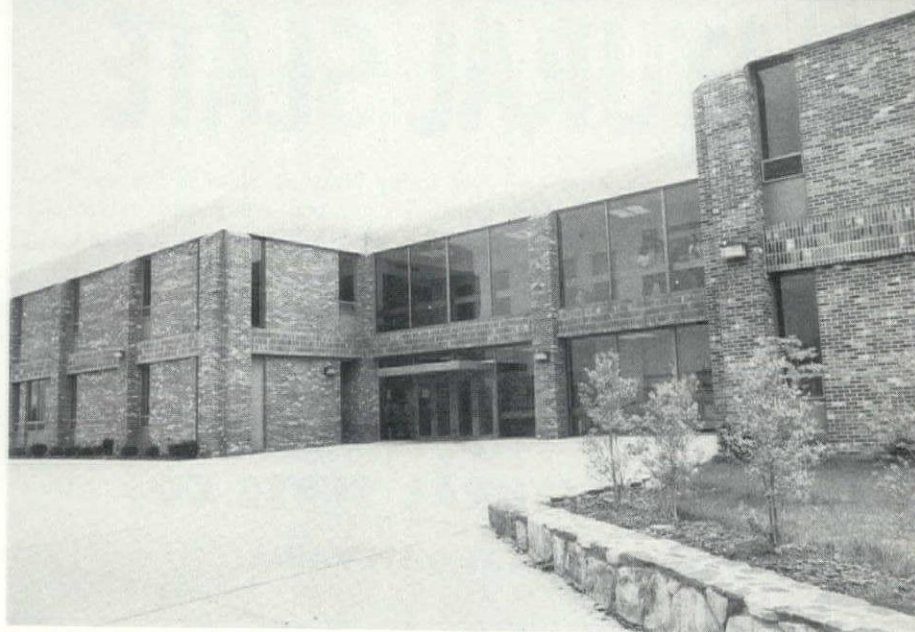
The site of the college is a steep hillside between Russell and Tazewell Counties.

Soil investigations revealed that the bearing capacity of the soil limited the location of the proposed structure to a small area along the top of the ridge. The architects investigated existing and proposed structures and parking areas, as well as circulation of pedestrian and vehicular traffic, before locating the building. This master planning enabled the architects to take maximum advantage of the site while providing maximum flexibility for future development of the college.

The Library-Occupational-Technical Building is a two-story steel structure with a brick veneer. The brick veneer was used with a limestone fascia to maintain the feeling of the existing building at SVCC.

The Library consists of a large reading area wrapped by bookstacks. A mezzanine level contains more stacks with study carrells, tables and work areas for small groups. Another feature

*(Continued on page 25)*





## SMYTH COUNTY COURTHOUSE

(From page 22)

were refurbished. Office space was provided for Clerks of the Court, Judges, and the Commonwealth Attorney. Fire-proof storage for county records was expanded. An office for the County Administrator and a meeting room for the Board of County Supervisors were added. Existing office spaces were renovated and enlarged for maximum efficiency. Finally the basement of the existing building was reworked to provide an Emergency Operations Center for Civil Defense.

Lincoln Builders Supply Co., Inc., of Marion, was general contractor and

handled excavating, sodding, seeding, etc., paving, foundations, concrete work, reinforcing, masonry work, mortar, steel erection, roof deck (other), steel grating, handrails, carpentry, structural wood, wall insulation, foundation insulation, carpeting, special flooring, special wall finish and specialties.

### Subcontractors & Suppliers

Williams Nursery, Marion, landscaping & landscaping contractor; Ellis Readymix, Marion, concrete supplier; General Shale Products Corp., Marion, masonry supplier; Al-Steel Fabricators,

Inc., Roanoke, steel supplier, steel joists & miscellaneous metal; Nolen Products, Knoxville, Tenn., millwork, paneling, wood doors & windows; and Industrial Decking & Roofing Corp., Bristol, Va., waterproofing, built-up roof, other roofing & roof insulation.

Also, Tilley Paint Co., Pulaski, caulking, painting contractor/supplier (Sherwin-Williams Paints); D.W. Allen & Son, Inc., Hillsville, sheet metal, plumbing/heating/ventilating/air conditioning contractor; Central Glass Co. of Virginia, Inc., Bristol, Va., glass & glazing contractor; Trimble Co., Johnson City, Tenn., metal doors & frames and hardware supplier; Nolen Products, Knoxville, Tenn., wood doors & windows; A. & H Contractors, Inc., Roanoke, plaster contractor, gypsum board contractor, acoustical treatment, wall covering & resilient tile; Joe Rainero Tile Co., Inc., Bristol, Va., ceramic tile & terrazzo; and Southern Elevator Co., Inc., Greensboro, N.C., elevators.

Others were: Rowland Electric Co., Inc., Marion, lighting fixtures supplier, electrical equipment supplier & electrical contractor; Winebarger Corp., Lynchburg, pews; Everett Waddey, Roanoke, metal & fiberglass equipment; Standard Forms Co., Johnson City, Tenn., wood office & courtroom equipment; and Southeastern Waterproofing Co., Inc., Charlotte, N.C., exterior restoration.

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of the LOT Building is a large lecture room which can be sub-divided for the flexibility of use as two (2) classrooms. Laboratories were provided for occupational/technical training in such fields as electronics and mining technology. Conventional classrooms and faculty offices supplement those already existing at the college. Locker rooms for men and women were also included to permit students to participate in individual and intramural sports and athletic activities.

Click Construction Co., Inc. of Elizabethton, Tennessee was general contractor and handled excavating, sodding, seeding, etc., paving, foundations, concrete work, masonry work, mortar, steel erection, steel grating, handrails, carpentry, paneling, cabinets, waterproofing, caulking, wall insulation, foundation insulation and gypsum board installation.

### Subcontractors & Suppliers

Valley Steel Corp., Salem, reinforcing; General Shale Products Corp., Marion, masonry supplier; Al-Steel Fabricators, Inc. Roanoke, steel supplier & miscellaneous metal; Republic Steel Corp, Richmond, steel joists; Tauscher Roof Deck, Bristol, Tenn., roof deck; City Lumber Co., Knoxville, Tenn., millwork & wood doors; and Industrial Decking & Roofing Corp., Bristol, Va., built-up roof, roof insulation & sheet metal.

Also, Holston Glass Co., Inc., Kingsport, Tenn., glass & glazing contractor; Construction Services, Inc., Knoxville, Tenn., metal doors & frames; Trimble Co., Johnson City, Tenn., windows; The Good Co., Bristol, Tenn., hardware supplier; K.W. Jackson Co., Inc., Bristol, Va., plaster contractor; Joe Rainero Tile Co., Inc., Bristol, Va., ceramic tile & terrazzo; Shankle-

(From page 23)

Boyle, Inc., Kingsport, Tenn., resilient tile; Paint Service Center, Kingsport, Tenn., painting contractor/supplier; Dominion Elevator Co., Inc., Salem, elevators; Galax Plumbing & Heating Co., Inc., Galax, plumbing/heating/ventilating contractor; and, Blue Ridge Electric, Inc., Abingdon, electrical equipment supplier & electrical contractor.

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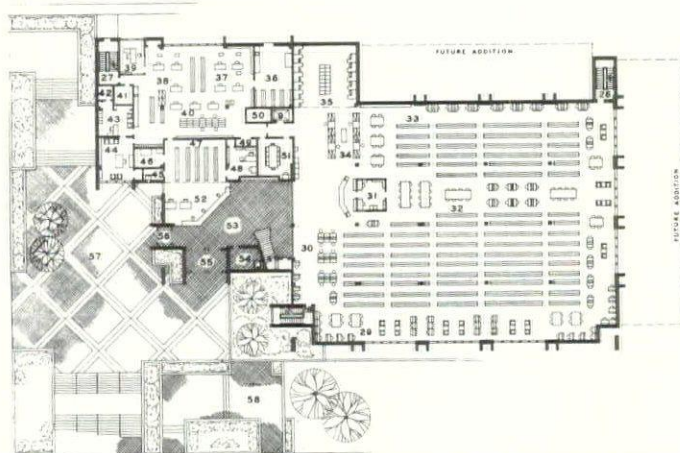
## Allegheny College, Meadville, Pa.

**BAILEY AND GARDNER, AIA — ARCHITECT**

**ELWOOD S. TOWER CORP. — Consulting Engineer, Mechanical/Electrical**

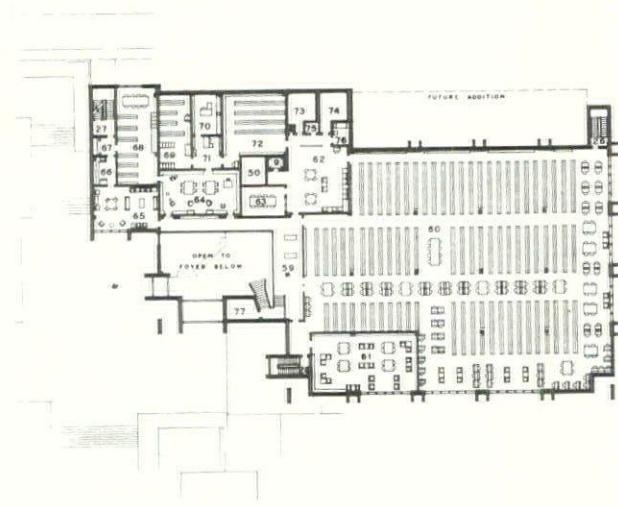
**WILLIAMS AND HACH — Consulting Engineer, Structural**

**ASSOCIATED CONTRACTORS OF CONNEAUT LAKE, INC. — General Contractor**



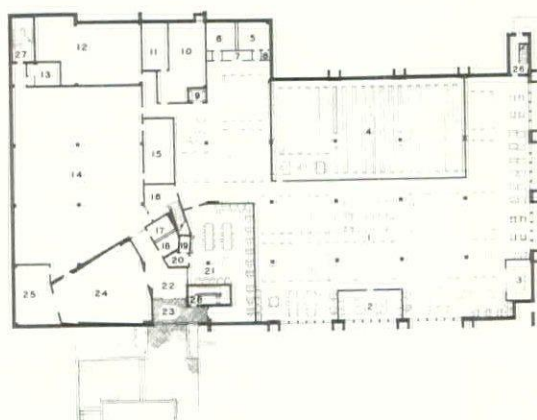
- 9 ELEVATOR
- 26 STAIR
- 27 STAIR
- 28 STAIR
- 29 PERIODICALS
- 30 INDEXES
- 31 REFERENCE OFFICE
- 32 BOOKS AND READERS
- 33 BIBLIOGRAPHY
- 34 CARD CATALOG
- 35 MICROPRINTS
- 36 RECEIVING
- 37 ACQUISITIONS
- 38 CATALOGING
- 39 OFFICE
- 40 TECHNICAL PROCESSING
- 41 TOILET
- 42 TOILET
- 43 SECRETARY
- 44 LIBRARIAN
- 45 RETURN
- 46 COPY
- 47 RETURN AND RESERVE BOOKS
- 48 CIRCULATION OFFICE
- 49 SUPPLIES
- 50 DUCT
- 51 CONFERENCE
- 52 CIRCULATION DESK
- 53 CIRCULATION FOYER & STAIR
- 54 COAT RM. & JANITOR
- 55 ENTRANCE VESTIBULE
- 56 EXIT VESTIBULE
- 57 BRICK TERRACE
- 58 LOWER BRICK TERRACE

MAIN FLOOR PLAN



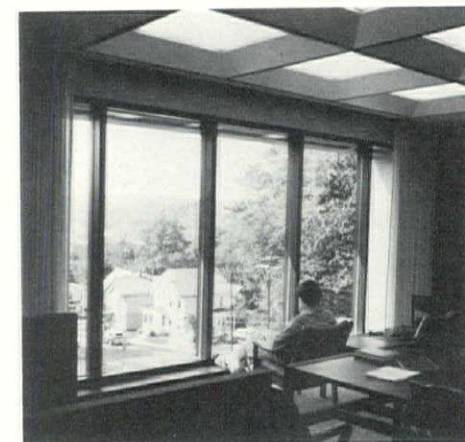
- 9 ELEVATOR
- 26 STAIR
- 27 STAIR
- 28 STAIR
- 29 DUCT
- 59 BALCONY & STAIR
- 60 BOOKS AND READERS
- 61 LOUNGE
- 62 SMOKING LOUNGE
- 63 GROUP STUDY
- 64 SPECIAL COLLECTION
- 65 STAFF LOUNGE
- 66 KITCHEN
- 67 STAIR FOYER
- 68 SPECIAL COLLECTION
- 69 SPECIAL COLLECTION
- 70 WORK ROOM
- 71 OFFICE
- 72 SPECIAL COLLECTION
- 73 TOILET WOMEN
- 74 TOILET MEN
- 75 JANITOR
- 76 REST ROOM
- 77 STORAGE

SECOND FLOOR PLAN



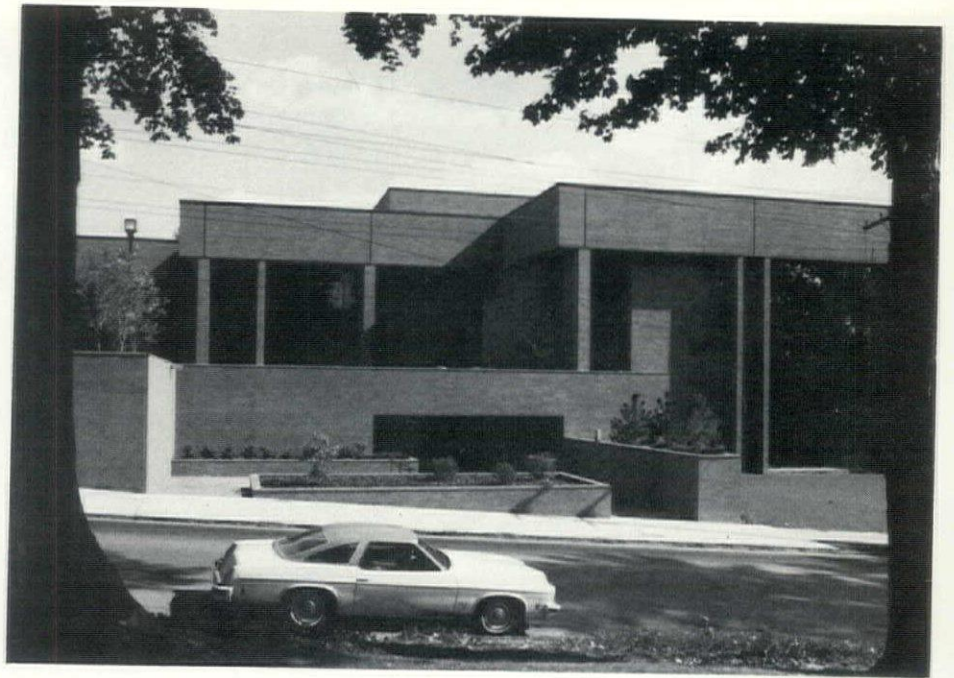
- 1 BOOKS AND READERS
- 2 FACULTY STUDY
- 3 GROUP STUDY
- 4 GOVERNMENT DOCUMENTS
- 5 TOILET MEN
- 6 TOILET WOMEN
- 7 STORAGE
- 8 JANITOR
- 9 ELEVATOR
- 10 MECHANICAL EQUIPMENT
- 11 ELECTRICAL EQUIPMENT
- 12 STORAGE
- 13 DARK ROOM
- 14 AUDIO-VISUAL
- 15 AUDIO-VISUAL WORKROOM
- 16 FOYER & STAIR
- 17 TOILET WOMEN
- 18 TOILET MEN
- 19 TOILET
- 20 TYPING ROOM
- 21 NIGHT STUDY
- 22 FOYER
- 23 VESTIBULE
- 24 MULTI-PURPOSE ROOM
- 25 PROJECTION ROOM
- 26 STAIR
- 27 STAIR
- 28 STAIR

GROUND FLOOR PLAN



LIKE MANY OTHER fast-growing institutions, Allegheny College became aware some ten years ago that its library facilities were falling behind the national standards for "learning resources" required by its student body and faculty. The shelf space was inadequate for its existing book collection, there was no space for additional books and readers, and the newer types of microforms and audiovisual media did not have appropriate accommodations of any size in the College library which had last been enlarged in 1931. The possibility of adding to the existing library to provide the new facilities was investigated and







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VERONA, VIRGINIA





found to be an unsatisfactory solution, particularly in view of the fact that a fine site for a new library was available on the campus and that the existing library could be converted to a use more in keeping with its size.

The new library site was well located in relation to the campus circulation pattern between dormitory and classroom areas. A sloping site presented some problems with access to the main entrance to the library but also afforded a good solution for a separate entrance on a lower level to a night-study room and a multi-purpose meeting room which could be used at different hours from the library schedule. Many of the academic buildings in the core of the Allegheny campus are of 19th century design and construction, but the newer buildings are of contemporary design. The architects of the new library were not forced into a particular style or concept of appearance for their building which therefore was allowed to grow out of its functional requirements. The new library was designed for a book capacity of 500,000 volumes and seating for 580 students. Facilities are provided for storage and use of microforms, phonodiscs, tapes, cassettes, filmstrips, slides and motion pictures. The library is a member of a computer-based network for catalog information and inter-library loans. The building is planned for future expansion of its collections of resources as well as its facilities for viewing and listening to the audiovisual materials. These materials are also available for use in group study rooms and the multi-purpose meeting room on the lower level. Total floor area of the building is 83,700 SF. Construction cost was \$3,913,000; furnishings cost \$325,000.

Engineering analysis of the load factors and optimum planning modules led to the adoption of post-tensioned concrete slab construction. The exterior design is brick and glass, with windows permitting views into the library from the bordering walks. The entrance corner is made inviting by a paved esplanade with raised planters containing trees and shrubs. Access of handicapped persons to the library is provided by level walks from the side street. Glass walls in the librarian's office and the staff lounge provide a

view over the entrance terrace to a magnificent Gothic chapel and the old campus which lies directly across the tree-lined street.

Allegheny's new library building, dedicated in October 1976, assures the College of a facility which can be continuously kept up to date with the ever-changing materials and methods of higher education.

Associated Contractors of Conneaut Lake, Inc., Conneaut Lake, Pennsylvania was general contractor.

#### Subcontractors & Suppliers

Kebert Construction Co., Meadville, Pa., excavating; Ernest F. Donley's Sons, Inc., Cleveland, Ohio, concrete contractor; O'Neil Construction, Inc., West Middlesex, Pa., masonry contractor; Metalcrafts, Inc., Hubbard, Ohio, miscellaneous metal & handrails; Moss Brothers Lumber Co., Conneaut Lake, Pa., carpentry & millwork; R. W.

King, Inc., Erie, Pa., built-up roof; Brunot & Hollabough, Meadville, Pa., installation of Amarlite Anaconda windows; Builders Hardware & Specialty, Erie, Pa., hardware supplier; Erie Acoustical Corp., Erie, Pa., acoustical treatment, resilient tile & carpet; Linz Brothers, Meadville, Pa., painting contractor; The Mills Co., Cleveland, Ohio, toilet partitions; Seelar & Co., Inc., Erie, Pa., installation of Dover elevator; V. R. Yoder, Inc., Meadville, Pa., plumbing contractor; Renick Bros. Construction Co., Slippery Rock, Pa., heating/ventilating/air conditioning contractor; and Trico Electric, Inc., Erie, Pa., electrical contractor.

Others were: Wilson Metal Products, Lawrence, Mass., bookstacks; Bethlehem Steel Corp., reinforcing; Cold Springs Granite Co., stonework contractor; and Airtite Co., caulking.

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# **TIDEWATER COMMUNITY COLLEGE — VIRGIN A**

## **WILLIAMS AND TAZEWELL AND ASSOCIATES, INC. — ARCHITECT**

**EDWARD G. CARSON — LANDSCAPE ARCHITECT**

**FRANK M. BREWER & ASSOCIATES**

**Consulting Engineer, Mechanical/Electrical**

**CRAIG & ABIOUNESS**

**Consulting Engineer, Structural**

**BALDWIN & GREGG**

**Consulting Engineer, Site**

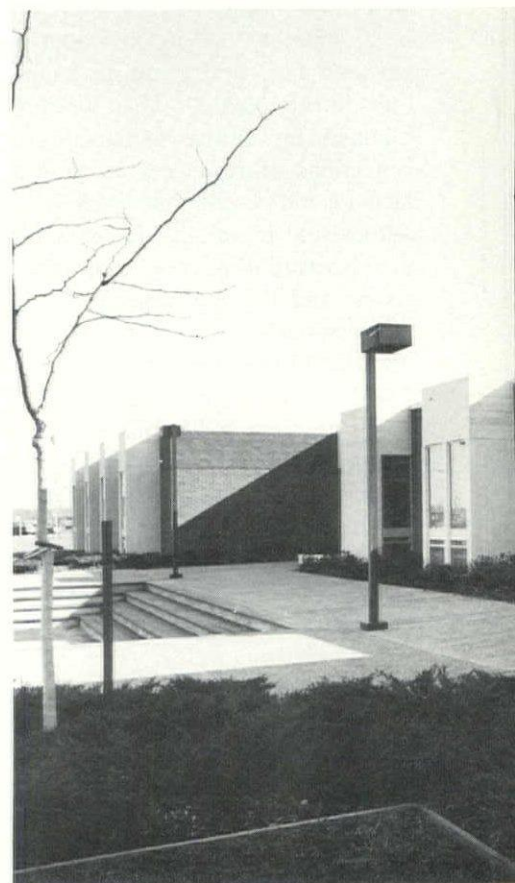
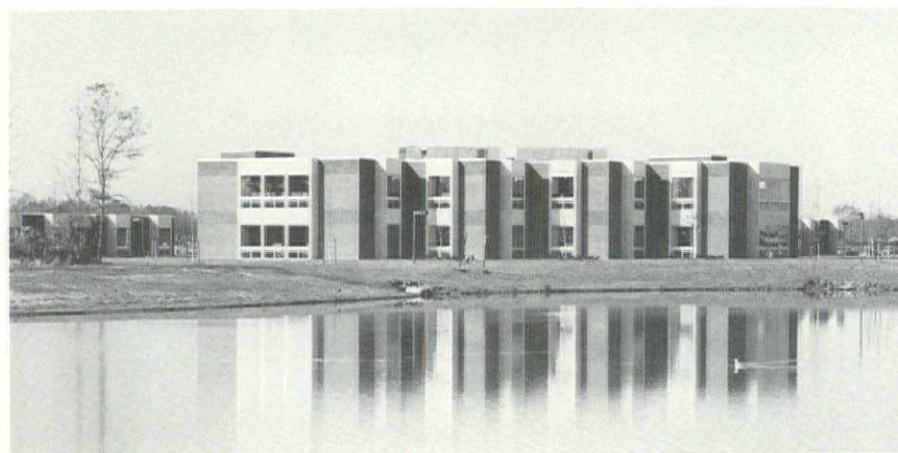
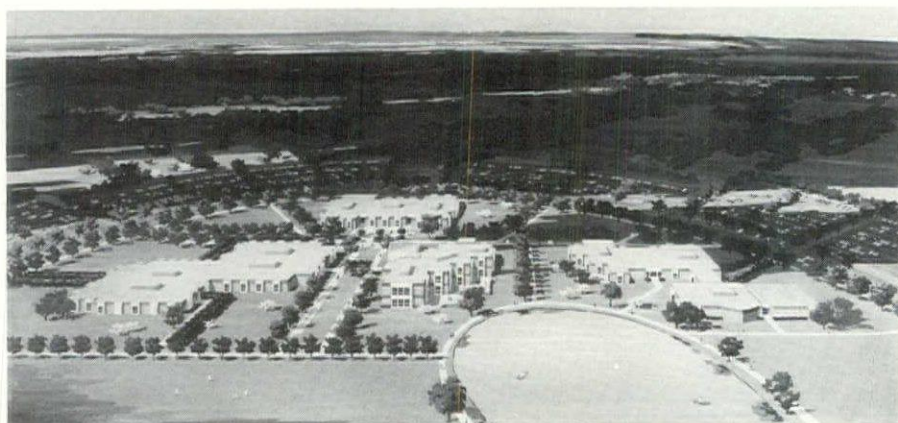
**WILLIAMS AND TAZEWELL & ASSOCIATES, INC.**

**Interior Design & Equipment**

**W.B. MEREDITH II, INC.**

**General Contractor**

**STUDIO III — Photography**





# EACH CAMPUS

A LOW, FLAT SITE, limited budget and tight schedule combined to pose a variety of challenges in the design of the Virginia Beach Campus of Tidewater Community College. Starting from scratch in March 1972, the campus opened in September 1974 with an administration building, two classroom buildings, a library and a man-made lake on a budget under \$2.4 million.

Because it was operating in inadequate, temporary facilities, Tidewater Community College was anxious to move into a new campus as quickly as possible following approval of capital funding. On the other hand, officials wanted to plan for the anticipated long range growth of the campus. Williams and Tazewell reconciled these needs by developing the campus master plan and schematics for the first phase almost simultaneously.

The topography of the site posed a major challenge. It was low and flat with poor drainage. A man-made, storm drainage outfall lake solved the

drainage problem while adding a badly needed aesthetic improvement. Basically, water drains from all parts of the campus into the lake. At a certain level, it flows over a weir and is carried under Princess Anne Road into the drainage ditch system serving that area of Virginia Beach.

The four buildings in the first phase were located in context with the lake and the five additional buildings anticipated by the master plan. With a significant portion of the budget committed to solving the site development problems mentioned above, cost control became a major design consideration. Thus the emphasis was on a functional no frills design with minimum maintenance requirements. Naturally material selection was also important.

Dan Dills, associate with Williams and Tazewell, said "Our cost control in this case was not a result of exotic new techniques. It was mainly the result of keeping especially close tabs on the construction market during production.

This helped in material selection, but it also told us that the best way to save money then was to save time." This, of course, had been a key reason for overlapping master planning and first phase schematics. It also led to development of very detailed production schedules to eliminate any wasted time. Working drawings were completed in four and a half months.

The campus presently has an administration building which also includes space for business classes, a science building with various fully equipped labs, a third building shared by the humanities department and the student commons, and the library. Except for the library, all the buildings are single story. The fenestration is accentuated by precast concrete window box units to add visual interest to the otherwise smooth, purely functional facade. A sunken, outdoor commons is located in front of the administration building, also to add interest to the flat campus.

The campus' central building is the library. Although two-story, it repeats





the fenestration used elsewhere. Its design is a function of its orientation to the lake and the layout of the stack system. The purpose of the latter was to provide good site lines of the stacks from the control desk for security. Within that constraint, the purpose of

the former was to optimize the visual benefits of the lake. The library's interior is dominated by a floating architectural stairway. Another important element of the building reflected in its exterior elevation is a large lecture hall seating approximately

150. It features terraced platform seating and complete audio-visual accommodations.

W.B. Meredith II, Inc. of Norfolk was general contractor and handled foundations, concrete work, reinforcing and carpentry.

Subcontractors & Suppliers  
(Norfolk firms unless noted)

William Vann Trucking Co., Portsmouth, excavating, sodding, seeding, etc.; Winn Nursery, Inc., landscaping & landscaping contractor; Birsh Construction Corp., paving contractor; Lone Star Industries, Inc., concrete supplier; Exposaic Industries, Inc., Mt. Airy, N.C., precast concrete; W.T. Stowe, Inc., Portsmouth, masonry contractor & waterproofing; Chesapeake Steel, Inc., stonework supplier, steel erection/joists/roof deck, miscellaneous metal & handrails; Weaver Brothers, Inc., Newport News, millwork & wood doors; K & P Construction Co., caulking; and, American Sheet Metal Corp., built-up roof & roof insulation.

Also, Walker & Laberge Co., Inc., glass, glazing contractor, windows & storefront; Builders Manufacturing Co., metal doors & frames; Door Engineering Corp., hardware supplier; A.D. Stowe, Inc., Portsmouth, plaster contractor & gypsum board contractor; Jayen Tile Corp., ceramic tile; Bay Tile Corp., Portsmouth, terrazzo; L.R. Brittingham Co., acoustical treatment; and Grover L. White, Inc., resilient tile.

And, Shaw Paint & Wall Paper Co., Inc., painting contractor (Pittsburgh Paints); Liskey Aluminum Co., Glen Burnie, Md., accessible floor; Flowers School Equipment Co., Inc., Richmond, equipment; W.W. Moore & Sons, Inc., elevators; Harry M. Brown Co., plumbing/heating/ventilating/air conditioning contractor; and Swing Electrical Co., Inc., Hampton, electrical contractor.

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**Interior Design BY THE ARCHITECT**

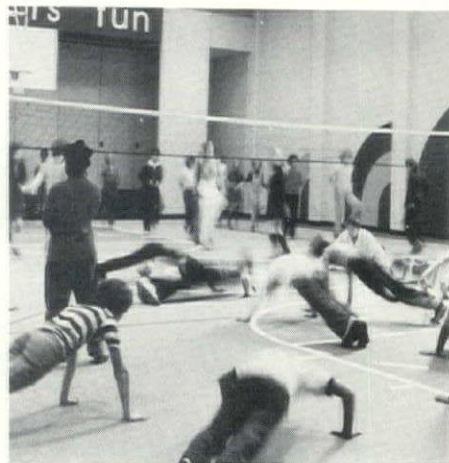
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THE SCHOOL BOARD FOR the City of Roanoke has embarked on a program which tries to obtain the maximum usage of school facilities by encouraging community use after school hours. Having found that this arrangement worked satisfactorily in one previous newly constructed Gymtorium, the School Administration was anxious to implement the same type of program in another section of the city.

Since the architectural firm of Sherertz, Franklin and Shaffner designed the first new Gymtorium for the city, they were acquainted with the program requirements before beginning the design of the second facility. The concept would be the same, but the conditions were quite different.

The previous Hurt Park project had none of the construction limitations that the new Crystal Spring addition posed. The existing Crystal Spring School is located in a quiet, established residential neighborhood in the southwest section of the city. This, more than anything else, became the controlling factor in the design. The facility was to be constructed on a very limited site and directly fronting on two







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residential streets and the neighbors were afraid that "a gymnasium or auditorium" might be an overwhelming and unsightly structure in the neighborhood. Keeping this serious concern in mind, Rudy Jennings the Project Architect for this project created a structure with subtle, clean and simple lines. The exterior is of brick masonry with sloping metal roofs. Exterior landscaping provided an instant appearance of "belonging." As it turned out, the neighbors are very pleased with the results and feel the facility has actually added to the neighborhood.

The interior in contrast with the exterior is much more dynamic and makes considerable use of bright colors throughout. Primary colors were used extensively to generate interest and involvement by the children.

At one end of the structure, there is a raised carpeted stage (with a soundproof operable wall) which doubles as a music room when the operable wall is closed. The other end is made up of storage rooms and toilet facilities.

The gymnasium is completely air conditioned by two rooftop heating-cooling units using electric power for all functions. Conditioned air is distributed throughout the area by a central duct system located in a dropped ceiling in the center of the gym floor area. The music room utilizes its own independent system for maximum efficiency.

Other features include a colorful synthetic floor of resilient polyvinyl chloride specifically formulated for multi-purpose activity areas; acoustical roof decking; mercury vapor lighting of the gym area and polycarbonate (unbreakable) glazing. Extensive use of insulation to obtain the optimum "U-Factor" in both walls and roof resulted in an energy efficient building.

Creative Construction & Development Corp. of Roanoke was general contractor and handled excavating, foundations, concrete, masonry work, structural wood, carpentry, waterproofing and weatherstripping.

Subcontractors & Suppliers  
(Roanoke firms unless noted)

Webster Brick Co., Inc., masonry supplier; H. H. Robertson Co., Richmond, steel roof deck; I. N. McNeil Roofing & Sheet Metal Co., Inc., roofing & insulation; Rocco Glass Co., Harrisonburg, glazing; L. R. Brown Sr., painting; John N. Yauger & Co., plastic wall finish & operable wall; Shields, Inc., acoustical & plaster; Feather Tile Co., ceramic tile; and R. L. Dresser, Inc., Raleigh, N. C., resilient tile.

Also, McClung's, millwork & hardware; Mahone, Inc., steel doors & bucks; Engleby Electric Co., Inc., lighting fixtures & electrical work; Weddle Plumbing & Heating, plumbing fixtures & plumbing/air conditioning/heating/ventilating contractor; and, S. R. Draper Paving Co., Inc., paving.

Basketball backstops were supplied by Nissen Equipment.

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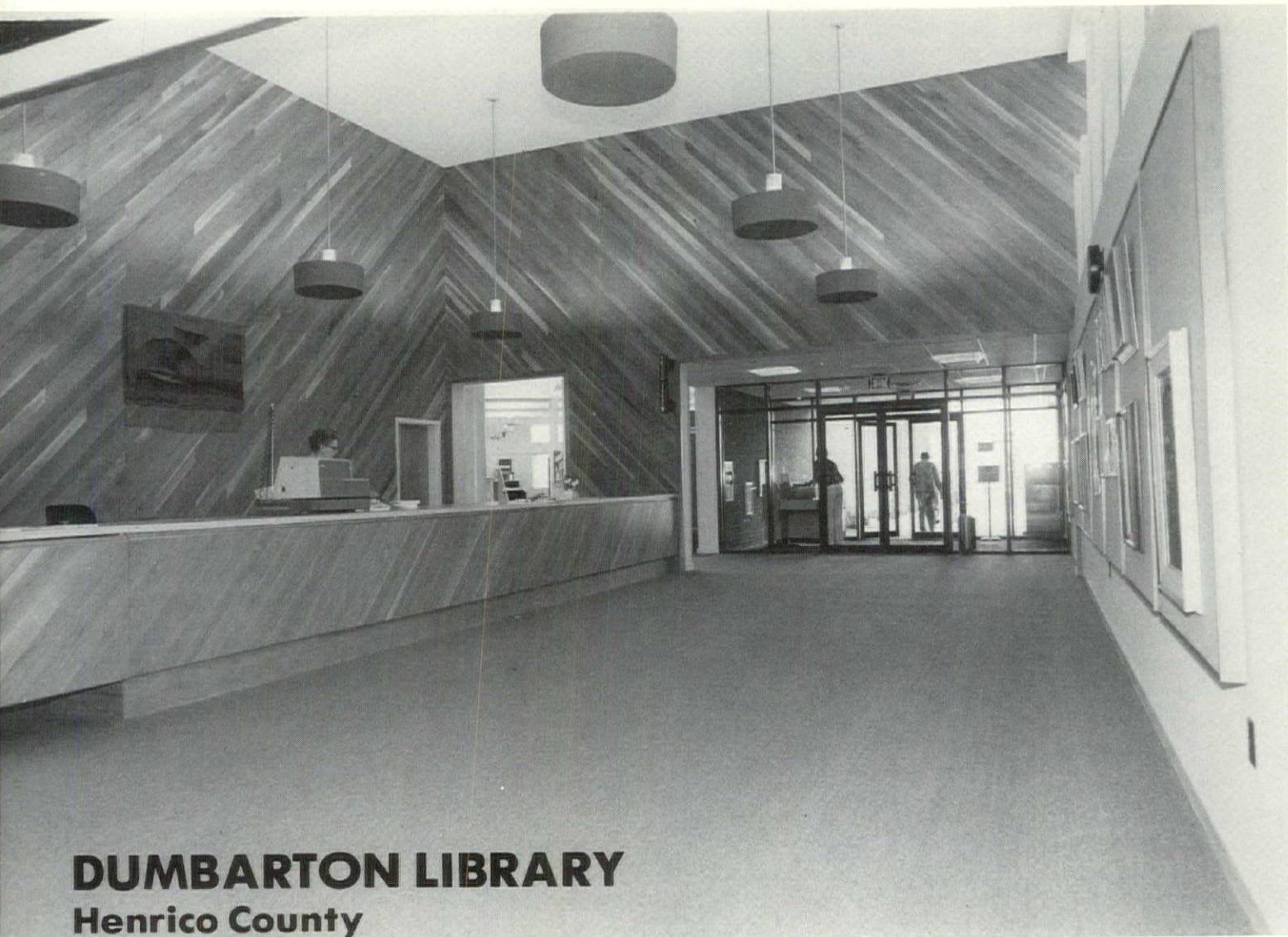
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# DUMBARTON LIBRARY

Henrico County

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**EARTH DESIGN — LANDSCAPE ARCHITECT**

**EMMETT L. SIMMONS ASSOCIATES**

Consulting Engineer, Mechanical/Electrical

**WILLIAM J. DAVIS**

Consulting Engineer, Structural

**LA PRADE BROTHERS**

Consulting Engineer, Civil

Interior Design BY THE ARCHITECT

**HENDRICK CONSTRUCTION CO., INC.**

General Contractor

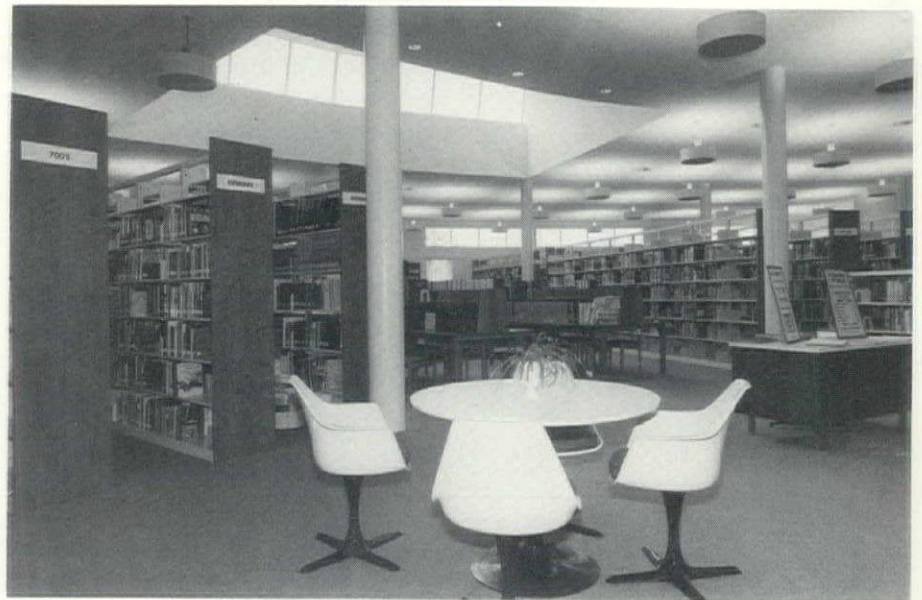
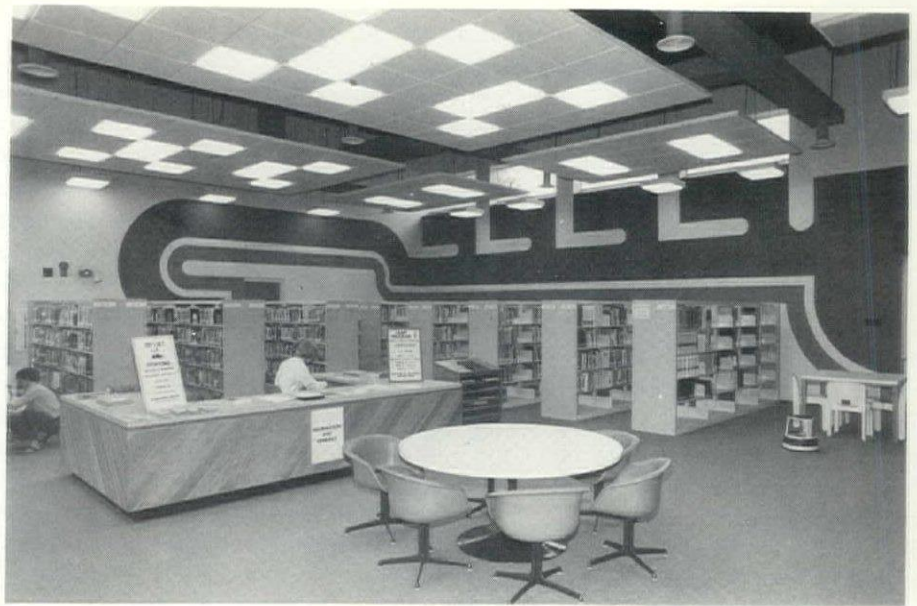
**JOHN E. TAYLOR**

Photography

LOCATED IN Northern Henrico County at Penick Road and Staples Mill Road, the Dumbarton Library's site was chosen because the Henrico County Library Board decided to utilize the Dumbarton School Building already on the property. One of the important considerations was how to design an addition without it looking like an addition. The decision was



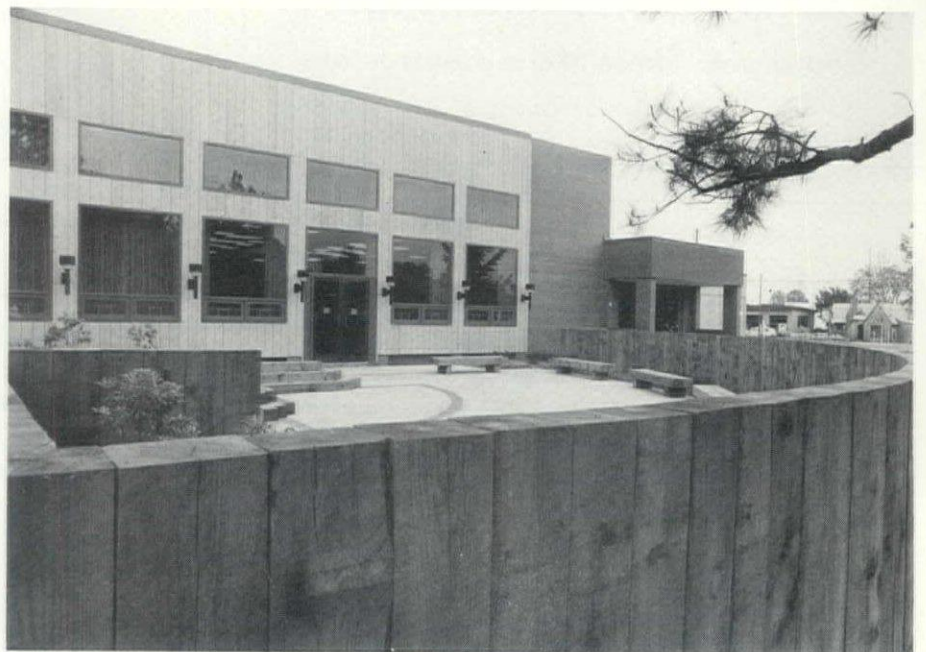




made not to try to match the "schoolhouse red" brick of the original building since the structure is such a large complex and the effect of the materials would be overwhelming. The architect chose to use, rather, a warmer reddish brown brick for the addition and tie it to the original by means of a wood covered connecting link.

The design theory for the whole complex is based on a public gallery that goes through the building, acting as a spine for the structure, with the major activity areas directly accessible for nighttime public functions after the library areas are closed.

The building's external massing expresses its three major internal areas; a children's reading room; an adult reading room; and the community





One of the special problems in utilizing the existing Dumbarton School building was the large volume of space given to work with; all of which was not needed. In order to reduce some of that volume, the architect recommended the duct work be exposed and painted. Between the duct work, pads of ceiling tiles are suspended with some open spaces creating a floating effect. Besides reducing some of the volume, the pads

Because the original plot of land was basically barren of trees, the landscaping solution has been to place trees in an irregular manner forming a natural-like setting, and to break up the parking areas with islands of trees. To give direction from the parking area to the building, trees are massed in a hypostyle, heading towards the main entrance. To further help the transition from the parking area to the building, a large brick plaza leads from the main entrance. The brick pavers are the same warm reddish-brown brick of the addition. Bicycle parking is available near the entrance.

Subcontractors & Suppliers  
(Richmond firms unless noted)

contractor; Economy Concrete Contractors, Inc., concrete contractor; Bethlehem Steel Corp., reinforcing; Lone Star Industries, Inc., concrete supplier; W. B. Davis, masonry contractor; Browning Steel Co., structural steel, steel joists, steel roof deck, miscellaneous metal & handrails; Weaver Brothers, Inc., Newport News, millwork, paneling, cabinets & wood doors; and Commercial Caulking Co., caulking.

Also, Willard L. Council Roofing, Inc., built-up roof; PPG Industries, Inc., glazing contractor; Walter Smith Associates, windows & storefront; Pleasants Hardware, hardware supplier; Fairfield Tile & Marble Co., Sandston, ceramic tile; Consolidated Tile Co., acoustical treatment & resilient tile; Miller & Rhoads, carpet; A. Bertozzi, Inc., painting contractor; The Interior Steel Co., Ohio, supplied steel lockers; Cates Building Specialties, specialties; Brownson Equipment Co., Inc., library shelving; Talley Neon & Advertising Co., site signs; Hungerford, Inc., heating/ventilating/air conditioning contractor; and Lang Electric Co., Inc., Glen Allen, electrical contractor.

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## Roanoke

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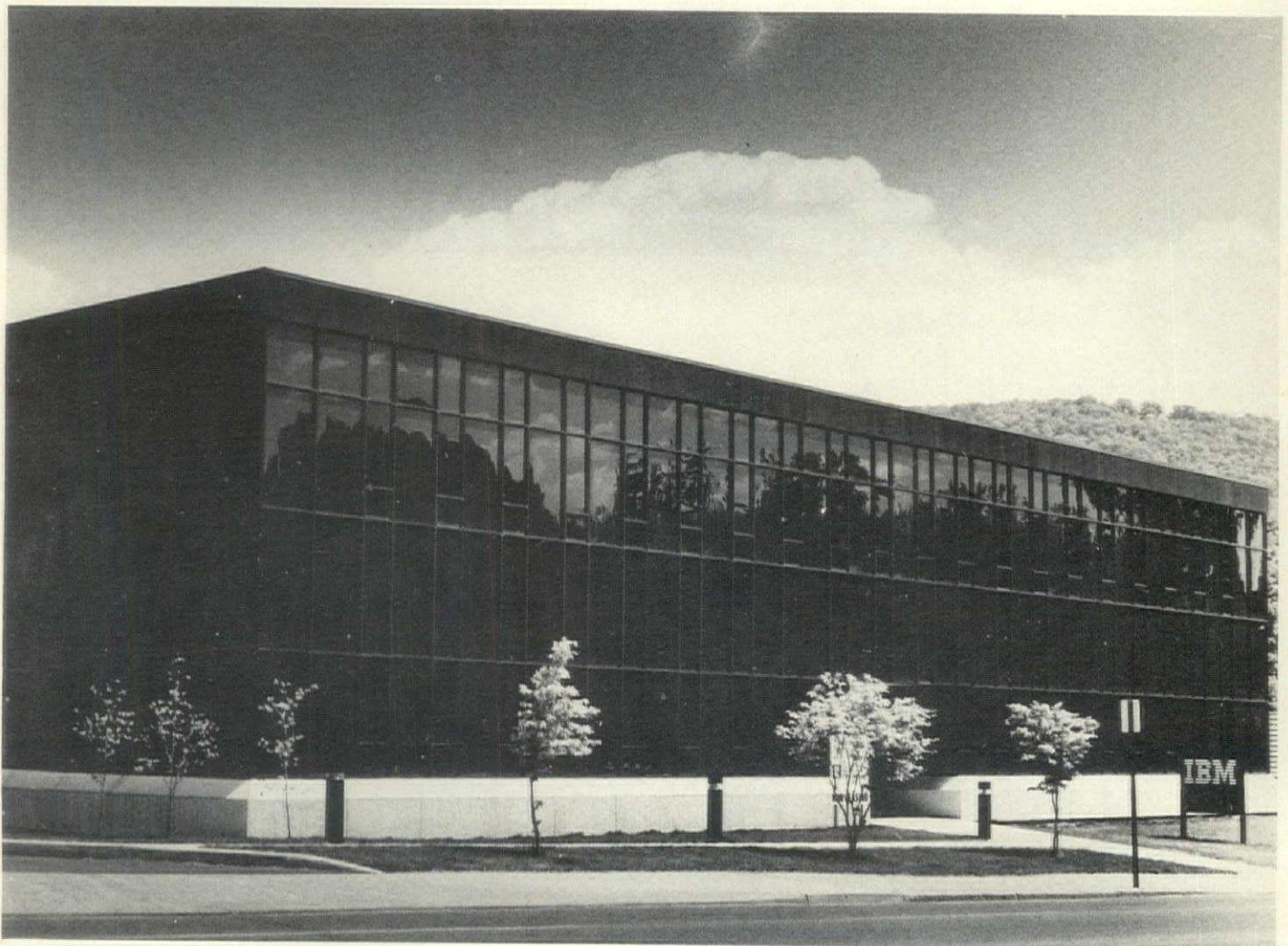
Interior Design BY THE ARCHITECT

FRYE BUILDING CO. — General Contractor

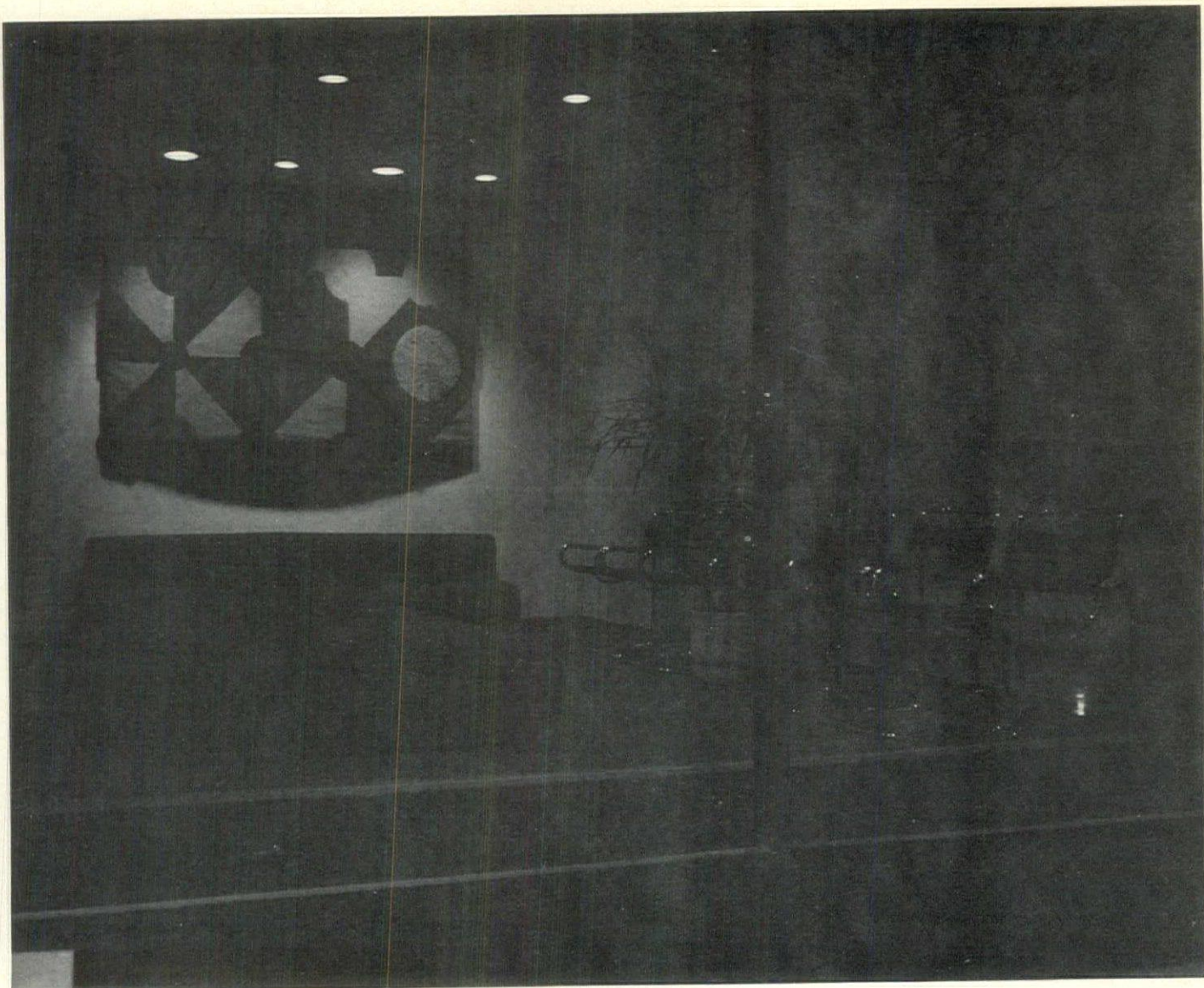
THE NEW three-story IBM Corporation building, located on the fringe of downtown Roanoke, contrasts sharply with its surrounding environment. It is a strong study in black — black glass, black metal, black panels, all set on a contrasting white exposed aggregate base — making it a building that cannot be ignored. The structure is a pre-engineered modular space frame system, based on the use of a recently developed multi-story design. The heart

of the system is a five foot modular grid coordinating all ceilings, walls, lighting, heating and air conditioning components. A central core houses the stairs, elevators and toilets, and is surrounded by flexible office space on all sides, divisible by movable vinyl-faced partitions. Under-floor ducts for telephone, electrical and communications equipment further supplement

*(Continued on page 42)*







## **Renovation of MAIN OFFICE — WESTVACO Covington**

**SMITHEY & BOYNTON — ARCHITECT/ENGINEER**

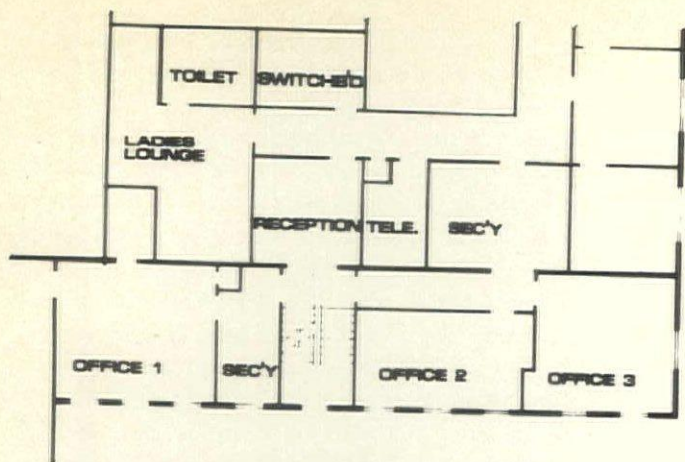
**LESLIE CHEEK, SMITHEY & BOYNTON**  
Interior Design

**DAYS CONSTRUCTION CO., INC.**  
General Contractor

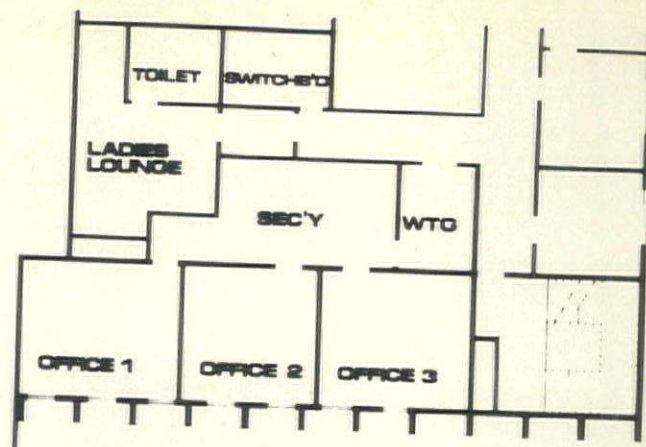
**Photography by THE ARCHITECT**

THE OBJECTIVE WAS SIMPLE: "Transform an ordinary industrial executive office suite into a modern, efficient and meaningful headquarters" representing Westvaco's operation in Covington. To accomplish this, the architect was directed to concentrate on three essentials: (1) replanning and refurbishing the main executive offices; (2) modernization of the building's exterior; and (3) creation of an inviting and generous reception space for visitors to the

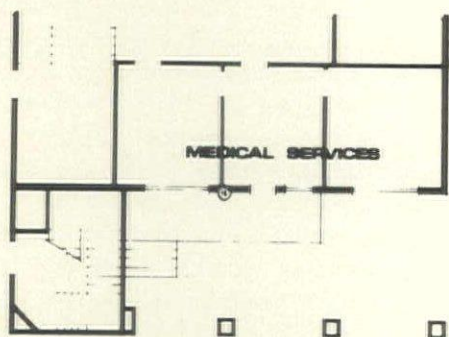




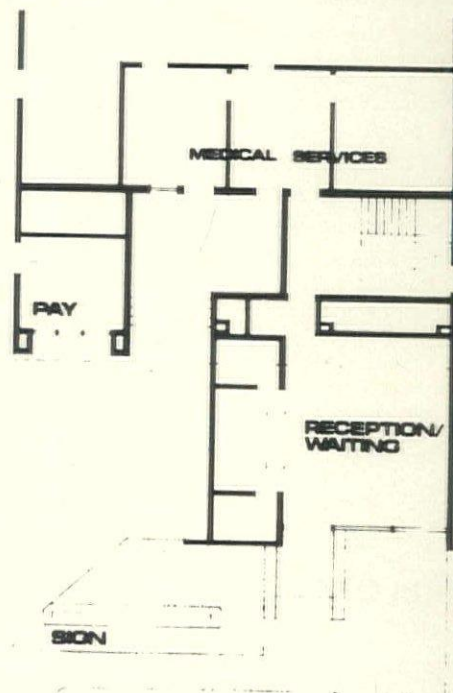
**OLD SECOND FLOOR**



**NEW SECOND FLOOR**



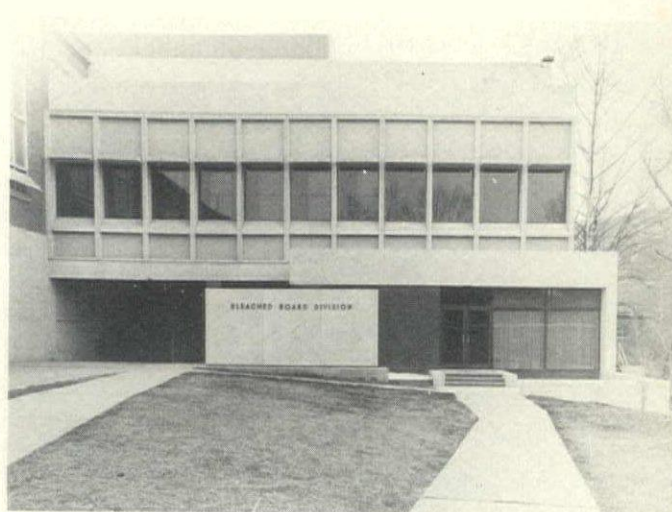
**OLD FIRST FLOOR**



**NEW FIRST FLOOR**

plant. Three floor levels at the front portion of the existing office building were involved in this renovation program.

The existing areas required major alteration — while the executive offices remained on the second floor (though in somewhat different arrangement), the reception space for visitors to the plant was relocated from its cramped quarters on the second floor to a more logical position at first floor level. In accomplishing this, the main access stairway to the upper floors also required shifting so that it could better function as an essential artery between reception area and the offices on the floors above. To satisfy all objectives, some new





space had to be created, although the bulk of project is alteration and renovation work.

The three main executive offices, formerly scattered, have been grouped around a secretarial-waiting area nucleus. A measure of privacy, so lacking previously, is now assured by screening the entry to the suite from the main corridor. Each office has completely new furniture and furnishings and bears little resemblance to its former condition. Also on the second floor, the nearby ladies lounge and toilet underwent a total face lifting. Several offices on the third floor required relocation and remodeling due to stair changes.

New construction, although limited to only 700 square feet, provides for central reception and waiting space for visitors. The receptionist is positioned to control all traffic — incoming and outgoing — to and from the upper floors. The room has slate flooring and one accent wall in which slate has been combined with bonded bronze panels. Featured at one end of the room is a tapestry of geometric pattern designed by Michael Mewborn, Lynchburg artist. Visitors enjoy a view of the esplanade along the Jackson River, the only green vista at the plant.

A new precast concrete facing for the upper two floors of the building addressing the esplanade is a very noticeable new element. The proportioning of the new facing was carefully worked out to fit the existing windows, most of which were retained. Applied directly over the existing brick wall, the precast concrete is deep-cut horizontally and vertically to provide shielding for southern and western exposures. Openings are glazed with deep-toned grey glass to achieve a double glazed condition with the original windows, left intact. Lettering identifying the plant is placed on a free-standing precast concrete wall to the left of the main

entrance; the wall also serves as a screen for a parked rescue squad vehicle intermittently used in connection with the plant medical facility just beyond the main entrance. A small structure in front of the office building which housed pay check dispensing for the plant was demolished to provide an uninterrupted view of the main entrance from the visitors' parking area. This pay function was moved to ground floor space vacated by the former stairway.

The project had a highly critical time schedule. Days Construction Company, Inc., of Salem, general contractors, delivered the job in exactly six months from ground-breaking. Days Construction also handled excavation, sodding, seeding, etc., landscaping, cribbing, foundations and carpentry work.

#### Subcontractors & Suppliers (Roanoke firms unless noted)

Economy Cast Stone Co., Richmond, precast concrete; Structural Steel Co., Inc., steel supplier, steel joists; PPG Industries, Inc., glass, glazing contractor & metal doors & frames; Cates Building Specialties, window wall; Skyline Paint & Hardware, Inc., hardware supplier; and, Feather Tile Co., slate walls & floors.

Also, Contract Furnishings & Design, Salem, carpet; Hesse & Hurt, Inc., painting contractor & wall covering; Weddle Plumbing & Heating, sprinkler/plumbing/heating/ventilating/air conditioning contractor; Noland Co., lighting fixtures supplier; Johnson Controls, Inc., controls; Newcomb Electric Co., Inc. electrical contractor; Unijax Business Interiors, furniture supplier; Michael Mewborn, Artist, Lynchburg, wall tapestry; and, Architectural Millwork, Inc., Troutville, reception desk.

## IBM OFFICE

(From page 39)

the total system that can readily adjust to meet the expansion needs of IBM and its tenants.

IBM occupies the ground and first floor levels; the upper floor of approximately 13,000 square feet is available for short and long term leases. The building is all-electric, served by underground vault. Special power cir-

cuits are utilized for IBM computer and test equipment, and a central paging system is used for all IBM-occupied spaces.

Special attention was given to interior design. Existing furnishings were used to equip a combination of enclosed and open office spaces. Original fabric hangings, water colors and silk screen prints were commissioned to complement the tetrad color scheme of maroon, bright blue, yellow-green, and orange.

Frye Building Co. of Roanoke was general contractor and handled sodding, seeding, etc., landscaping, landscaping work, foundations, concrete work, masonry work, steel erection and wall insulation.

#### Subcontractors & Suppliers (Roanoke firms unless noted)

Thomas Brothers, Inc., Salem, excavating; Butler Mfg. Co., Kansas City, Mo., steel supplier, acoustical treatment & lighting fixtures supplier;

Structural Steel Co., Inc., steel joists & steel roof deck; Fabricated Metals Industries, miscellaneous metal & handrails; Frederick Schill & Co., Ronceverte, W.Va., millwork & wood doors; Leonard Smith Sheet Metal & Roofing, Inc., Salem, built-up roof, other roofing, roof insulation & sheet metal; and, PPG Industries, Inc., glass, glazing contractor, windows & window wall.

Also, Skyline Paint & Hardware, Inc., metal doors & frames & hardware supplier; Shields, Inc., gypsum board contractor; Feather Tile Co., ceramic tile & resilient tile; The Carpet Shop of Roanoke, Inc., carpet; Hesse & Hurt, Inc., painting contractor; Dover Elevator Co., Memphis, Tenn., elevators; Kohler of Kohler, plumbing fixtures; Valley Air Conditioning Corp., plumbing/heating/ventilating/air conditioning contractor; General Electric Supply Co., electrical equipment supplier; and, O.R. Chisom electrical contractor.

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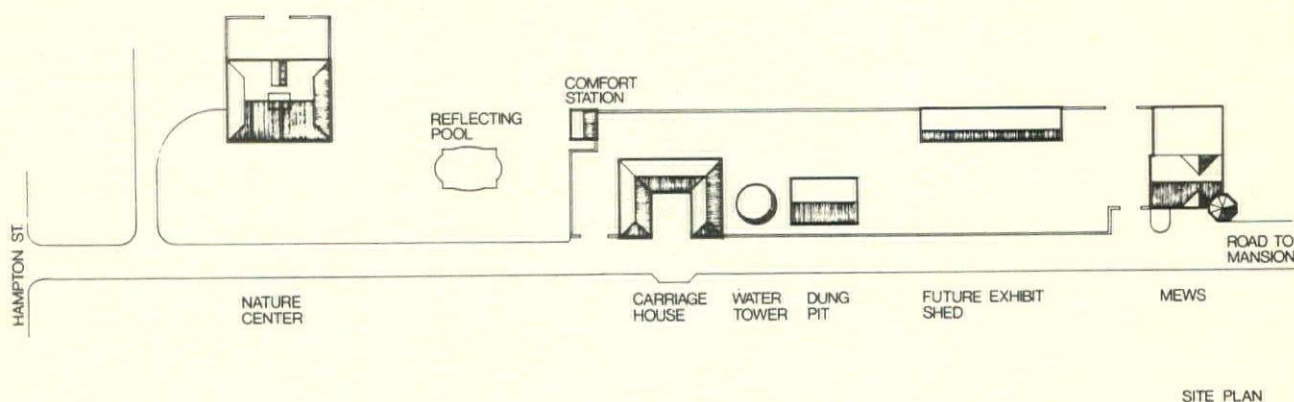






FOR OVER FIFTY years visitors to Richmond's Maymont Park have enjoyed strolling along the many foot-paths around and through the elaborate gardens, waterfalls, ponds and acres of natural foliage, once the estate of nineteenth century railroad magnate, Thomas Dooley. The old mansion there, ornate and exquisitely detailed, has been a focal point of the park. The mews and carriage house, although architecturally distinguished, have been mostly overlooked and were relegated to service and maintenance areas.

In 1924 the hundred-acre estate was given to the City of Richmond and incorporated into the city's park program. The mansion was turned into a



## Renovation of the CARRIAGE HOUSE AND MEWS MAYMONT PARK Richmond

**GLAVE NEWMAN ANDERSON AND ASSOCIATES, INC.  
ARCHITECT**

**WILSON-MORETH PARTNERSHIP — LANDSCAPE ARCHITECT**  
**WM. J. DAVIS — Consulting Engineer, Structural**

**Interior Design BY THE ARCHITECT**  
**HERMITAGE CONSTRUCTION CORP. — General Contractor**  
**GEORGE NAN — Photography**





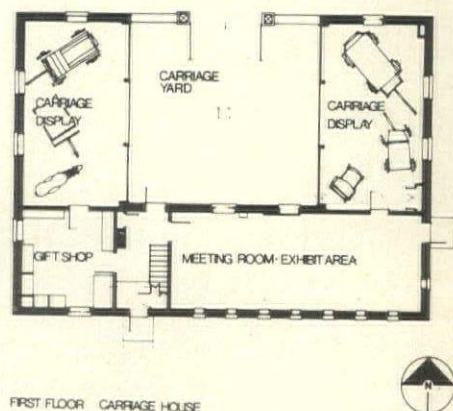
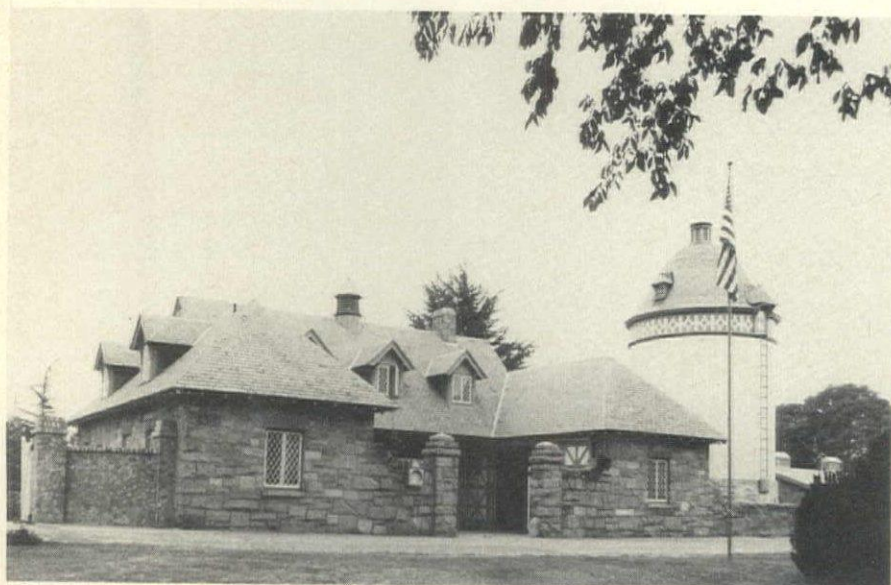
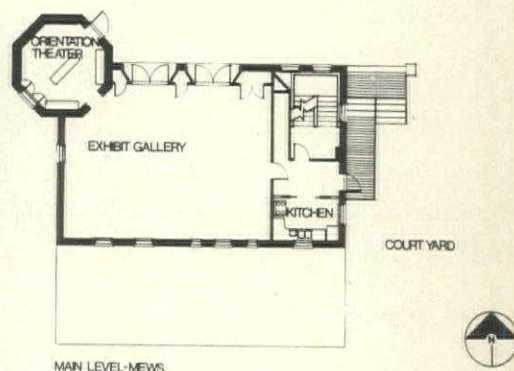
museum, the extensive landscaped grounds became a nature center, and a small zoo of indigenous animals was added.

When rising maintenance costs forced a decline in the park's upkeep, a group of local citizens, concerned about its future, developed a plan to revitalize the historic estate. The Maymont Foundation, a non-profit organization, was formed in 1971 to undertake its maintenance and development, and a plan for extending and improving the park was prepared which won the approval of city officials.

As part of that long term effort, Glave Newman Anderson undertook the restoration of the carriage house and

mews for incorporation into mainstream activities of the park. The simplest and most straightforward methods were sought, and the architect's task consisted largely of exposing and clarifying the buildings' essential qualities. The object was to totally transform the buildings' functions without substantially altering their physical characteristics. The architect has taken advantage of the many unusual structural features of each building, transforming them into attractive and interesting exhibit areas that entertain the visitor while maintaining the integrity of the structure.

In deference to visitor comfort, both the carriage house and mews have been





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outfitted with modern heating, plumbing and electrical service. Ductwork is left exposed in both cases, as were lighting fixtures. These necessary intrusions of modern equipment provide an interesting contrast to the old ceilings without detracting from their overall appearance.

The entrance court of the carriage house is much the same as it was in the nineteenth century. Only now the carriage bays serve as galleries, and the vehicles parked there are antique relics of the Dooley era. Exhibits range from a child's goat-pulled cart to a surry with a fringe on top. Inside, a room that was once lined with horse stalls now serves as a meeting room. Although the stall partitions were removed years ago and that area is carpeted, the room is essentially the same as when horses hooved the floor. An old stone walkway remains intact.

The tack room has been converted into a souvenir shop, its simple features resembling those of an old general store. Upstairs, the feed storage area has been extensively altered in order to provide office space for the Maymont Foundation's staff. Outside, an L-shaped part of the courtyard is now an open air nature center.

The mews, previously a combination of stables, living quarters and courtyard, is now a gallery featuring a variety of artwork and displays which are changed regularly. The base of the turret has been converted into a mini-theater. The second floor is used for storage and also houses the heating and cooling plant. A small kitchen was added to serve the many meetings, brunches and luncheons held at the park.

Through careful planning and imaginative use of space, the mews and carriage house have been transformed into major attractions of Maymont — interesting, educational and functional.

Hermitage Construction Corp. of Sandston was general contractor and handled masonry work and carpentry. Landscaping was handled by Maymont grounds personnel.

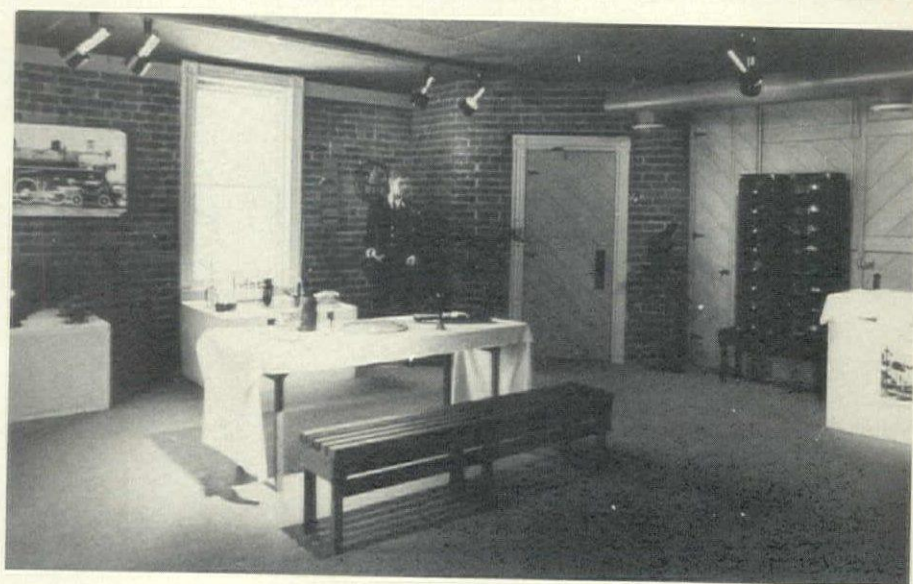
#### Subcontractors & Suppliers

(Richmond firms unless noted)

Rappahannock Forge, Fredericksburg, miscellaneous metal; R.A.

Siewers, Inc., structural wood & wood doors; Kenneth Barker, roofing; Miller Manufacturing Co., Inc., windows; Pleasants Hardware, hardware supplier; F. Richard Wilton, Jr., Inc., gypsum board contractor; Acc-U-Rate Carpet Service, Inc., carpet; Hanover Decorating, Ashland, painting con-

tractor; Virginia Paint Co., Inc., Benjamin Moore Paint supplier; Noland Co., plumbing fixtures supplier; Al Eatmon Plumbing & Heating, plumbing/heating contractor; Atlantic Electrical Supply Corp., lighting fixtures supplier; and Webb Electrical Co., electrical contractor.





# Remodeling to YOUNG MARRIED'S WING FIRST BAPTIST CHURCH

Richmond

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**VIRGINIA ENGINEERS, INC.**

**Consulting Engineer, Electrical**

**Interior Design & Photography**

**BY THE ARCHITECT**

**VIKING ENTERPRISE, INC. — General Contractor**

**D**URING THE last two years, the First Baptist Church of Richmond has seen the growth of needs of young married couples, especially those couples who live close to this urban church. In response to these needs, First Baptist evaluated their existing educational programs and existing facilities. They discovered that once effective teaching techniques of lecture-style classroom approaches no longer applied to the modern newly married couple. Yet, the layout of the lecture-style classroom areas remained.

The ministerial staff at First Baptist also learned that small group techniques and round table discussions were among some of the best ways to facilitate involvement by young marrieds. As a result, First Baptist overhauled its Young Married Program by offering a format that would be conducive to small group sharing, fellowship, and Bible study. Renovations to an existing church wing were designed to respond to this remodeled education program.

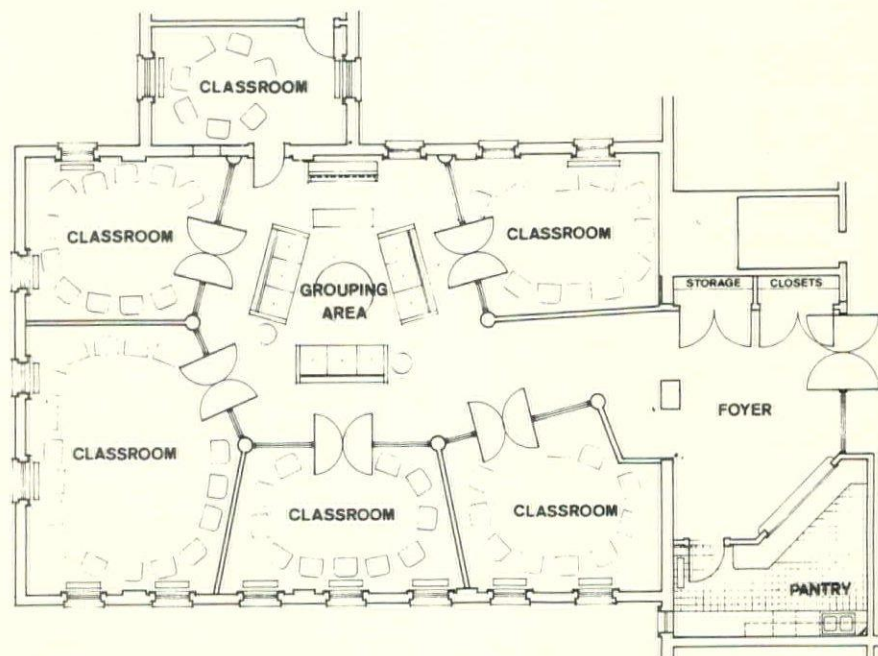
The design solution is as fresh and contemporary as any young married couple who will use the facility. Bright springy colors and natural wood tones are used throughout. Floor to ceiling glass walls provide an open and airy feeling and dramatically increases the "visibility" of new young people in a relatively old church. Individual classroom spaces are designed as small group modules that are clustered around a central meeting area where the separate classes can come together as a department unit. A pantry, fully equipped for cooking and serving, is provided to allow the young couples to

prepare snacks, coffee, and doughnuts on Sunday mornings and full course dinners for social gatherings.

Interiors were designed using furniture and other appointments that reinforce the classroom cluster concept. Light weight stacking chairs in natural oak are in the classrooms and they encourage flexibility and spontaneity of seating arrangements. Heavy, close-to-the-floor sofas in kelly green and natural oak trim in the grouping area suggest solidarity and non-movement — a place to come back to, home base.

The classrooms are distinguished further by light, wheat-toned carpeting and energy efficient fluorescent lighting for an up-beat and alert teaching environment. The central grouping and circulation areas use a deep blue carpeting and incandescent lighting for a restful, subdued atmosphere.

As a result of these improvements, First Baptist Church has had nearly a



## CLASSROOM ALTERATIONS

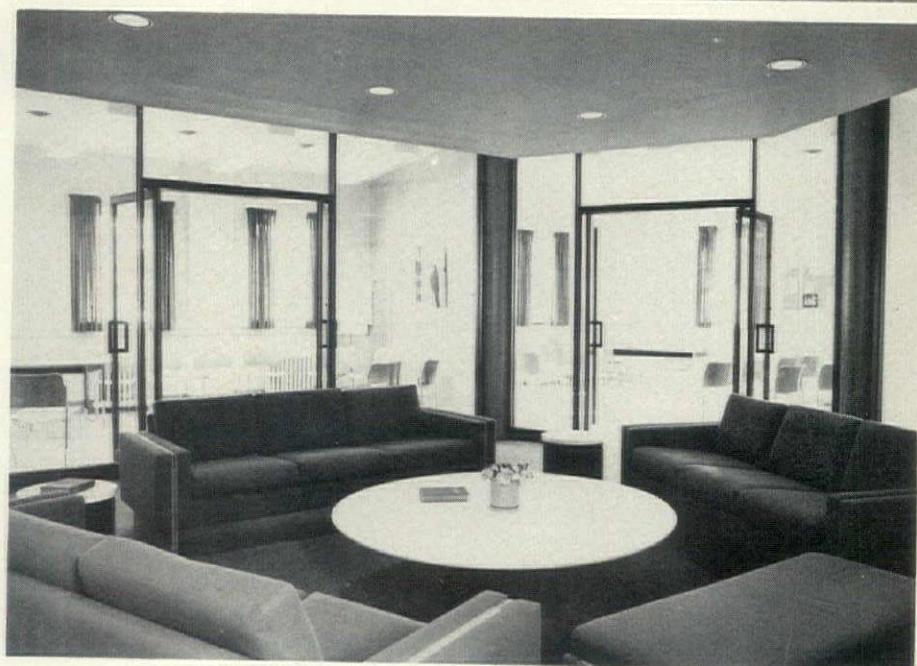
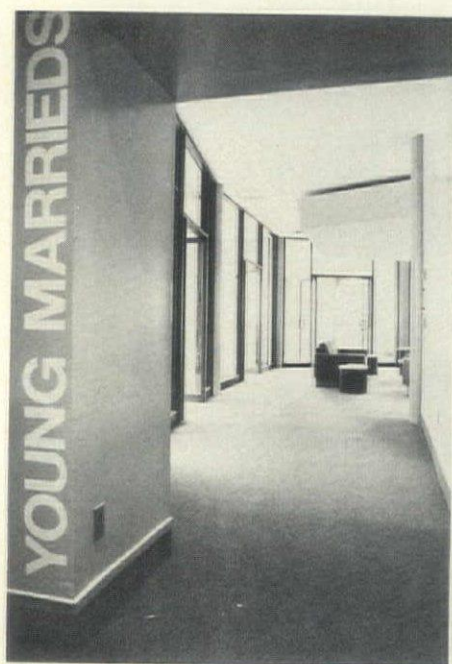
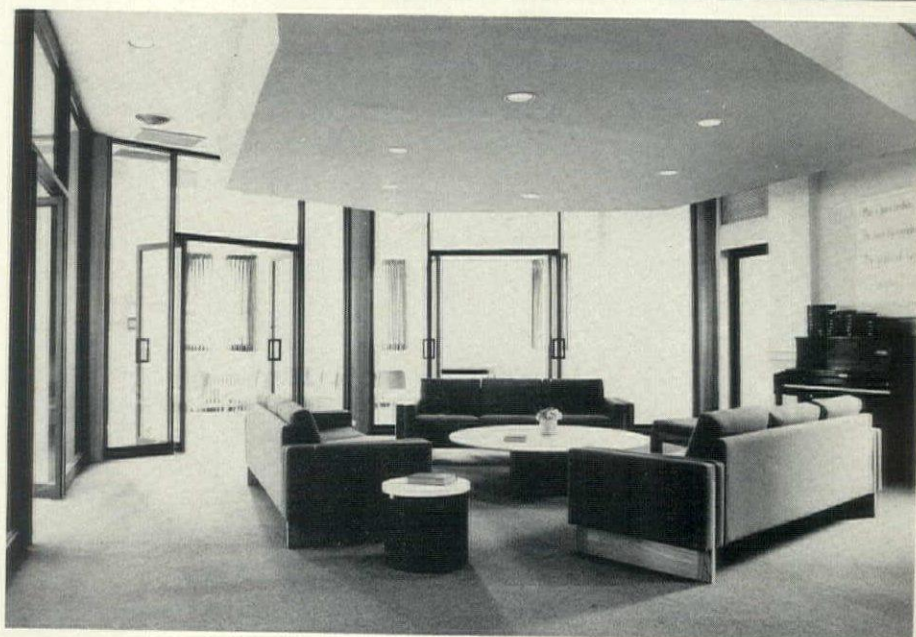
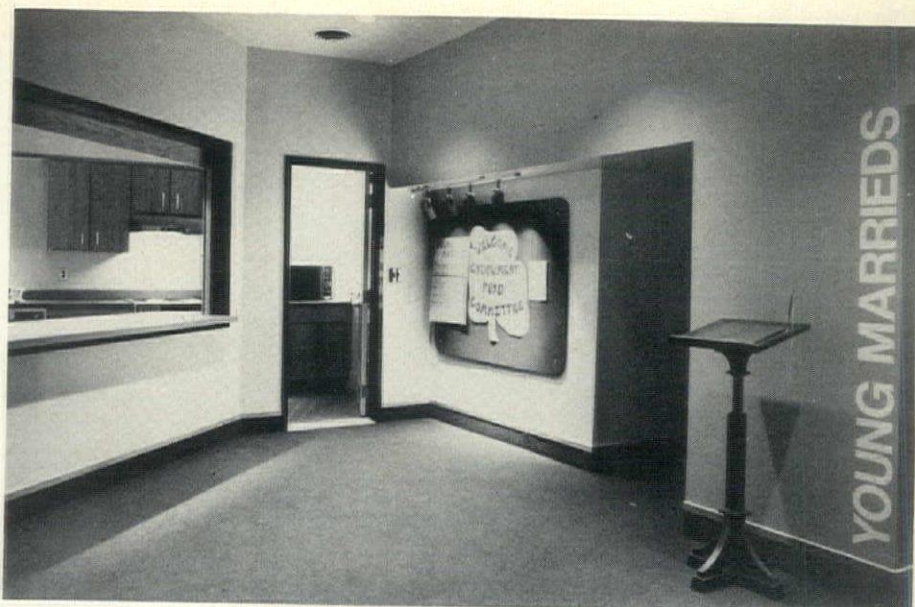


50% increase in new young married members and has begun three new classes in the new wing. And the design of the space has successfully accommodated the new educational programs being used for this group.

Viking Enterprise, Inc. of Richmond was general contractor.

#### Subcontractors & Suppliers (Richmond firms unless noted)

Kitchen Center, cabinets; Walker & Laberge Co., Inc., glazing contractor & storefront; J.S. Archer Co., Inc., metal doors & frames; Pleasants Hardware, hardware supplier; Thalhimers Business Interiors, carpet; Goldberg Co., Inc., equipment; Dawson Electric, Hopewell, electrical contractor; and Contract Interiors, furniture.



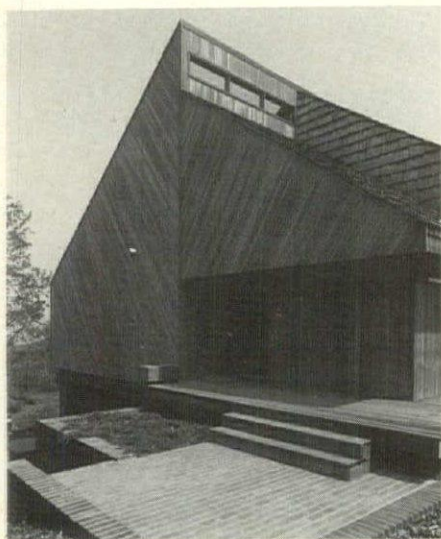


### SHIFFERT RESIDENCE Blacksburg

WARREN R. KARK AIA & DONALD BERGESON  
Landscape Architects

WILLIAM AKERS — General Contractor

GEORGE COLLIER — Photography



THE RUDOLPH residence was designed for a very dramatic 80-acre site just outside of Blacksburg. The clients and their two children wanted a house which reflected their relatively informal lifestyle as well as their concern for nature and love of horses.

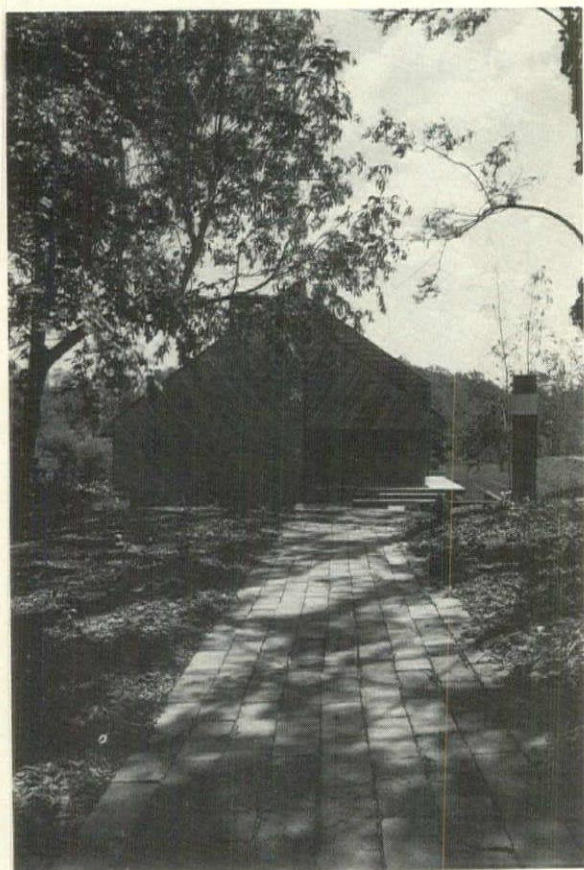
The house is sited on a pastoral knoll adjacent to three large oak trees. The exterior is finished in natural, untreated redwood lapped siding — with a cedar shingle roof which wraps down over the vertical surfaces in several locations.

The physical and visual relationship between the 2200 s.f. interior and the site itself is facilitated by strategically located windows and four eight-foot

sliding glass doors. The interior is finished with white walls and redwood tongue-and-groove wood ceilings.

#### Subcontractors & Suppliers

Ray Carroll, Blacksburg, excavating; Webster Brick Co., Inc., Roanoke, masonry supplier; Andersen Corp., Bayport, Minn., Andersen windows; Dehart Tile Co., Inc., Christiansburg, ceramic tile & resilient tile; Myers, Blacksburg, painting contractor; Noland Company, Roanoke, plumbing fixture & lighting fixtures supplier; Air Control Corp., Pulaski, heating ventilating air conditioning contractor; and Larry Thomas, Blacksburg, electrical contractor.





## **RUDOLPH RESIDENCE Blacksburg**

**BRUCE GARDNER & KEITH HUGHES**  
Photography

**T**HE SCHIFFERT residence, located in Blacksburg, was designed around a relatively large collection of antiques and personal artifacts, as well as the informal lifestyle of the owners.

The exterior is finished with brick at the lower level, diagonally applied 1x4 tongue-and-groove cedar board siding, and a cedar shake roof. The clients' love of wood is reflected on the interior through the use of random width wood flooring, and tongue-and-groove cedar wood ceilings, accentuated with white plaster walls.

Five stained glass windows, owned by the client, were also integrated into the scheme — one at the front entry and four in an indirect lighting application in the bar/recreation room. The interior consists of a series of balconies, a spiral stair and clerestory lighting.

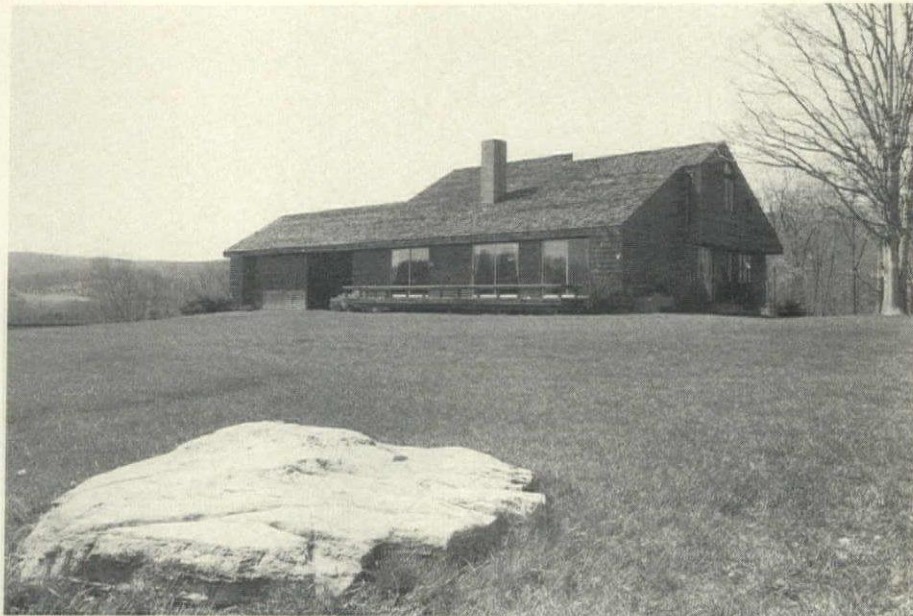
William Akers, of Riner, Va., was general contractor.

Subcontractors & Suppliers

Paul Sault, Blacksburg, excavating;

Laurel Creek Nursery, Christiansburg, sodding, seeding, etc., landscaping & landscaping contractor; Christiansburg Paving Co., Christiansburg, paving contractor; General Shale Products Corp., Richmond and Blacksburg Lumber, Blacksburg, masonry suppliers; Bower Brothers, Christiansburg, carpentry, millwork & cabinets; and Huttig Sash & Door Co., Roanoke, Andersen windows.

Also, Skyline Paint & Hardware, Inc., Roanoke, Schlage hardware supplier; Dehart Tile Co., Christiansburg, resilient tile; Cromer Furniture, Christiansburg, carpet; Reed Lumber Co., Christiansburg, Bruce prefinished flooring; Oympic, paint; Country Manor, Christiansburg, wallpaper; Pulaski Tinning Co., Pulaski, heating/ventilating/air conditioning contractor; and, Noland Co., Roanoke, American Standard plumbing fixtures, Prescolite lighting fixtures & electrical equipment supplier.





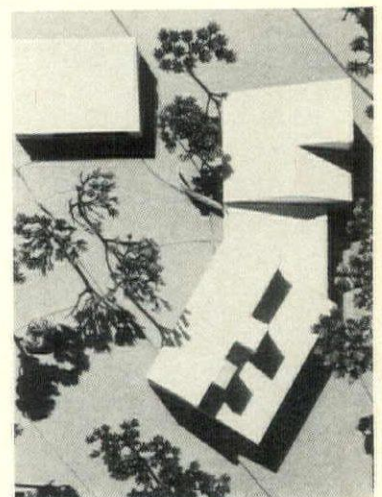
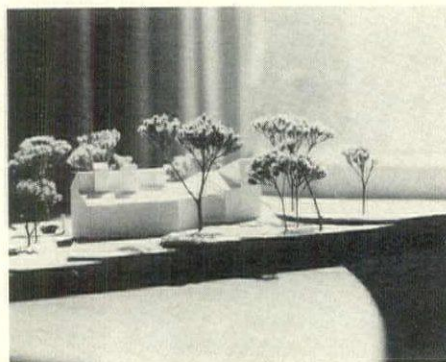
**ARCHITECTURAL DESIGN STUDIO — JAMES J. DePASQUALE  
ARCHITECT**

A hand-drawn site plan of a house layout. The plan is divided into several zones and features:

- CARPORT**: Located at the top left, enclosed by a dashed line.
- Entry Court**: A curved path leading from the carport area into the main house.
- Living Area**: A large central space containing a **Kitchen**, **Living** area, and a **Breakfast** area.
- MAS. BEDROOM ZONE**: A shaded area at the top right, labeled "Bill's look-out (dinner point)".
- PUBLIC ZONE**: A shaded area at the bottom left, containing a **Living** area and a **Bedroom**.
- View**: Several lines radiating from the central areas towards the right, indicating views of a **Lake** on the far right.
- Notes**:
  - "Bill's look-out (dinner point)" near the MAS. BEDROOM ZONE.
  - "View" labels near the MAS. BEDROOM ZONE and the PUBLIC ZONE.
  - "View of setting overlooking House, trees, & highway to wooded side of property" near the PUBLIC ZONE.

The floor plan shows a house with the following rooms and features:

- Living RM.**: Located at the bottom left, featuring a fireplace and a large window.
- Dining RM.**: Adjacent to the living room, containing a dining table and chairs.
- Kitchen**: Located between the dining room and the family room, equipped with a sink and stove.
- Pantry**: A small storage area next to the kitchen.
- Family RM.**: A large central room with a fireplace and a large window.
- Office**: Located next to the family room, featuring a desk and chair.
- Breakfast**: A small room adjacent to the office.
- Hallway**: A central corridor connecting the living areas to the bedrooms and bathroom.
- Bathroom**: Located near the hallway, containing a toilet and sink.
- Bedroom**: Located at the top left, featuring a bed and a window.
- Bedroom**: Located at the top right, featuring a bed and a window.
- Dressing**: A room adjacent to the top right bedroom, containing a wardrobe and a mirror.
- Sitting**: A small room adjacent to the top right bedroom, featuring a chair and a table.
- Stair**: A set of stairs located near the family room, leading to an upper level.
- Stair**: A set of stairs located near the office, leading to a lower level.
- Garage**: A large attached garage at the bottom right.
- Carport**: An open parking area at the top left.
- North Arrow**: A circular symbol with an 'N' indicating the direction of North.
- Scale Bar**: A horizontal line with markings for 0, 10, and 20 feet.





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master bedroom zone with sleeping, dressing, and sitting areas. Above the sleeping area is "Bill's Lookout," a get-away place accessed only by a narrow spiral staircase. This location was chosen in order to provide a "climax-point" for the house. As a second story room at the highest point on the property it establishes itself as the anchor, with all other elements, being lower, leading up to it.

Cedar board siding will be used to help wed the house to the wooded lot. Also significant items from New Market Farm, the original quarters of the Doswell's ancestors at Doswell, Virginia, are incorporated into the design.

R.E. Collier, Inc. — Builder, of Richmond is general contractor and is handling painting.

Subcontractors & Suppliers  
(Richmond firms unless noted)

Brookside Construction Co., excavating; Kevin Vickery, masonry contractor; Biltmore Welding, Ashland, steel erection; Griffith & Griffith, Fife, carpentry; Custom Kitchens, Inc. & Henry Zirkel, cabinets; Murphey's Roofing & Sheet Metal Co., built-up roof; Cedar Roofs of Richmond, Inc., other roofing; W.H. Stovall & Co., Inc., Rusco windows & Arcadia sliding glass doors; Pleasants Hardware, hardware supplier; Earl Knapp Drywall, gypsum board contractor; J.M. Clements, Inc., plumbing/heating contractor; J.L. Minter Electrical Contractors, Inc., electrical contractor; and Colonial Iron Works, Inc., spiral staircase & ornamental gate.

Items from an 18th century farmhouse, incorporated in the design, were supplied by the owner.

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**LOCATED ON** a small lake-front lot in suburban Richmond, this 2700 sq. ft. residence for Mr. and Mrs. James F. Lispcomb, Jr. and their son is designed to take maximum advantage of water views and outdoor living opportunities, while providing privacy from neighboring dwellings.

The owner's program called for minimal disturbance to the site and natural exterior materials. Inside, they requested plenty of natural light and that the living, dining, and kitchen areas be open to one another and have views of the lake.

Because of the close proximity of neighboring dwellings, the house is sited as far to the rear of the pie-shaped lot as possible, allowing for a circular driveway as well as utilizing existing trees as a screen and positioning the house closer to the lake. Additional privacy is achieved by massing the two-story house as one story toward the street and penetrating the front elevation only for the entrance and the







breakfast nook windows. The exterior is clad in cedar siding, cedar shake roof and redwood trim.

The interior planning solution was determined from the need to provide lake views to the south and west from the major living spaces and provide zoning between the adult and children's bedroom areas. Lake views were achieved by locating a large open living/dining area on the lower level to the south (rear) which is separated by a half wall from the kitchen on the west. The east end of the living area contains the fireplace which is flanked by built-in cabinets for the TV and stereo speakers. Glass shelves above the cabinets are topped by a skylight and may be closed off with louvered shutter doors. To articulate the living area, a two-story exposed beam and deck ceiling is employed in the central area between the dining and fireplace ends of the space which also acts as a zoning element between the adult and children's bedrooms on the second level. The result is a generous, flexible space — lofty and exuberant in the central area, more intimate and contained at the fireplace.

Full glass walls with double doors in the central living and dining area afford water views and access to a large deck facing the lake. Part of the deck is covered by the upper story which was achieved by the use of a diagonal wall at

## LIPSCOMB RESIDENCE

Richmond

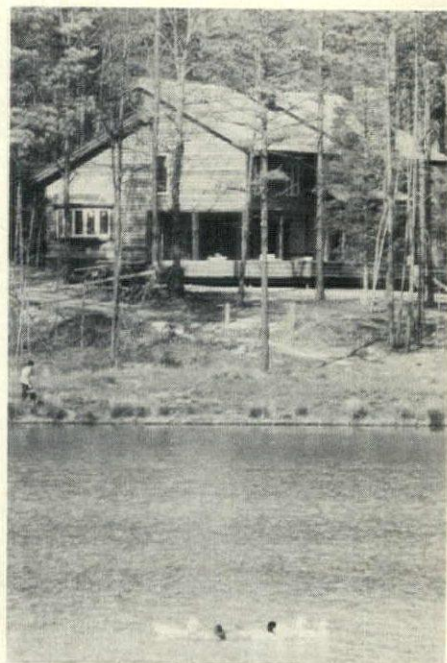
**ARCHIMEDIA — ARCHITECT/ENGINEER**

**WILSON-MORETH PARTNERSHIP — LANDSCAPE ARCHITECT**

**JAMES A. FORD CONSTRUCTION CO. — General Contractor**

**Photography by THE ARCHITECT**

*to tell the Virginia Story*





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the dining area creating a triangular "notch" in the lower level.

Taking advantage of the natural slope of the site, the entry level is three steps above the living area and contains the foyer, kitchen, playroom and garage. Brick flooring in the foyer extends into the kitchen which has a sloping exposed beam and deck ceiling and contains two large skylights, rendering the kitchen particularly airy and bright.

The upper level contains three generous bedrooms, laundry room, cedar-lined closet, and storage area. The master bedroom is linked to the other bedrooms by a bridge across the open living area below and is served by a

small sewing area overlooking the kitchen and a bath with exposed wood deck ceiling containing a skylight over the tub. North facing clerestory windows emit soft, indirect light into the master bedroom by allowing the light to pass through a small attic area then entering from translucent panels in the sloping ceiling.

Reflecting on his new home, the owner exclaimed, "... it works ... it fits us exactly ... its just what we wanted."

James A. Ford Construction Co., of Glen Allen, was general contractor and handled foundations, concrete work, masonry work, handrails, carpentry, structural wood, roofing and glazing.

Subcontractors & Suppliers  
(Richmond firms unless noted)

Thomas L. Browning & Son, excavating, sodding, seeding, etc.; Massey Concrete Corp., concrete supplier; Massey Builders' Supply Corp., Cello-Stone & masonry supplier, mortar, millwork & wood doors; Buckingham-Virginia Slate Corp., Buckingham Slate supplier; Holmes Steel Co., miscellaneous metal; Custom Kitchens, Inc., cabinets; G.T. Duke Insulation Co., Inc., roof/wall/foundation insulation; and, PPG Industries, Inc., glass.

J.S. Archer Co., Inc., wood doors; Pella-Virginia, Inc., windows; Pleasants Hardware, hardware supplier; John DeGaetani, Inc., gypsum board contractor; Leo H. Bourne, Quinton, ceramic tile; Carpetland, carpet; Walden Painting, painting contractor; Virginia Paint Co., Inc., supplier of Olympic exterior stain & Benjamin Moore paint; Southern Decorators, wall covering; Goldberg Co., Inc./Custom Kitchens, Inc., equipment; Richmond Plumbing & Heating Supplies, Inc., plumbing fixture supplier; Styll Plumbing & Heating, plumbing contractor; Howell's Heating & Air Conditioning, heating/ventilating/air conditioning contractor; General Electric Supply Co., lighting fixtures supplier; Graybar Electric Co., Inc./Dixie Electric Supply Corp., electrical equipment supplier; and R.M. Greene, electrical contractor.

Skylights were by WASCO Products, Inc. and fireplace was by The Majestic Co.

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# Bonds for Virginians

(From page 7)

The design professions should join with the construction industry in support for the bond issue for several reasons. Obviously, these projects are important to the services provided to the citizens of Virginia and thereby to the quality of life in Virginia. In addition, the stimulus to construction provided by these projects may well encourage other sectors to consider and plan for expansion and new facilities. Although the bond issue projects will be of great value to construction and its labor forces, the design fields, since the majority of the projects are already planned, must look to the possibility of renewed enthusiasm brought about by a pick-up in construction.

While we do strongly support the November Bond Issue, and urge others to do so, we do feel that some thoughts concerning the process should be mentioned and considered for future applications. It might have been better had the state proposed smaller bond issues over each of the last three years. This may be less viable politically but would have been, from an inflationary point of view, a better utilization of the money. A large concentrated building program is bound to be inflationary to some degree and the increase in inflation during the three year waiting period may off-set the advantage of a bond issue over a raise in taxes. Finally, to determine needs more accurately, perhaps state service institutions should employ professional space study analysis to test need for new space or be required to justify programs by total professional analysis, that is, to provide the state with a package including need study, program, construction cost, operational study and economic feasibility study, done by outside professionals.

In closing, it should be reiterated, however, that whatever course is taken in the future, the November 8 bond issue referendum is important to Virginia, the life of its construction industry, and to the lives of all its citizens. Let us join together and support passage of the referendum.

funds, is to expand dock facilities at Norfolk, Portsmouth and Newport News. Monies included for State Parks, which will attract additional money, will open up already owned park land at Caledon State Park, King George County; Chippokes Plantation, Surry County; Grayson Highlands State Park, Grayson County; Lake Anna State Park, Spotsylvania County; Mason Neck State Park, Fairfax County; Natural Tunnel State Park, Scott County; Oconeechee State Park, Mecklenburg County; Smith Mountain Lake State Park, Bedford County; York River State Park, James City County; and Sky Meadows State Park, Clarke and Fauquier Counties. These funds will also go to replacing worn out facilities at Bear Creek Lake State Park, Cumberland County; Claytor Lake State Park, Pulaski County; Douthat State Park, Bath and Allegheny Counties; Fairy Stone State Park, Patrick and Henry Counties; George Washington's Grist Mill, Fairfax County; Goodwin Lake-Prince Edward State Park, Holliday Lake State Park, Appomattox County; Hungry Mother State Park, Smyth County; Pocahontas State Park, Chesterfield County; Sayler's Creek Battlefield Park, Amelia County; Seashore State Park, Virginia Beach; Shot Tower, Wythe County; Southwest Virginia Museum, Big Stone Gap; Staunton River State Park, Halifax County and Westmoreland State Park, Westmoreland County.

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