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Intern-architect Development

IN THE August 1978 issue this guest editorial put down what it considered to be a simple and straightforward description of how one becomes an architect. In that description we noted that the period between graduation and registration represented some of the most important and valuable years in the development of an architect. Important and valuable because those years provide the opportunity to gain real-world experience, develop professional judgement and sense of responsibility necessary to be a professional and to establish the important habit of continued learning.

The graduate seeking a position, from which to put into practice what he or she has learned, has arrived at that point mostly on his or her own. It is up to the established architect to help them the rest of the way. For the past six years The American Institute of Architects has worked with the National Council of Architectural Registration Boards to develop a program to aid the practitioner in helping the graduate. This program is called the Intern-architect Development Program (IDP). Now, after a thorough pilot program, IDP is being adopted in an increasing number of states.

IDP is a bold demonstration of the profession’s commitment to sustaining high standards of practice and meeting its responsibility to society. IDP provides entering members of the profession with a unique opportunity for exposure to and exploitation of the broad issues of architectural practice. Designed through cooperation of the AIA, the NCARB, the Association of Collegiate Schools of Architecture and the Association of Student Chapters/AIA, IDP makes the internship years more understandable and more productive by helping intern-architects sharpen their skills and gain the knowledge needed not only to qualify for the registration exam, but to enter the profession at the highest possible level of competence.

IDP responds to the needs of intern architects by:
- Providing them with the best advice the profession can offer, both on a day-to-day basis and through an independent advisory system;
- Defining the most important kinds of skills and knowledge which form the basis of architectural practice in the broadest sense;
- Establishing a simplified means of recording and assessing internship experience;
- Developing a comprehensive system for intern-architects to acquire skills and knowledge through direct participation, observation and supplementary education activities.

This program in addition to being one of the most efficient ways that registered architects can train young graduates “as you wish you had been trained,” has additional value. Experience in the pilot states and other states that have adopted the program has illuminated several significant advantages to AIA and its components. The most important of these is the increased vitality of the components as evidenced by an increase in membership of young, enthusiastic, graduate architects. The program provides a logical transition from student chapter membership to full AIA membership, producing an increased term of institute involvement. This integrated approach to the full spectrum of an individual’s career in architecture should help the institute and its components perform more effectively in representing the profession and serving society at large.

Any architect, graduate or student who wants to know more should contact The Virginia Society American Institute of Architects, The American Institute of Architects or The National Council of Architectural Registration Boards. The goal of IDP is a program of work for young employees which will not be just cost-effective for the office, but will complete the young graduates’ education and preparation for the licensing examination.

to tell the Virginia Story

By Frederick E. Baukhages, IV, AIA
Frank B. McAllister
General Contractor
St. Reg. # 7434

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This issue of the Virginia Record Magazine is dedicated to the architectural firms that put forth the effort it takes to contribute their work for publication, be it in this or another magazine, or in competitions such as the Honor Awards program as sponsored by the Virginia Society, American Institute of Architects. These efforts represent an investment in time and money to those firms who participate and thereby promote architecture through these various media. To those firms who chose to participate, we all owe a great deal of thanks because not only does it bring recognition to them but indirectly all of us benefit whenever the public is exposed to a higher level of architecture.

Through methods such as the Virginia Society AIA Honor Awards Program and the Virginia Record Magazine, we the architects of Virginia can "advertise" our services to the general public in a way in which most of us feel relatively comfortable, i.e. by photos of the finished product.

The architectural contents review committee of this magazine continues to solicit your participation in this magazine and encourage participation in other programs to draw attention to buildings of the built environment. For without this participation, these events and this magazine would not be able to continue.

The Public Relations Committee
Virginia Society, AIA

Richard L. Ford, Jr., AIA

Richard L. Ford, Jr., AIA
Design a house for you and your friends and your favorite pet...giraffe? Well why not. That is the assignment Wayne Hughes and Joe Taylor posed recently for first and second graders at Terraset School. "We hope this architectural fantasy, the pet idea, will help bring to mind building shapes in other than traditional forms," Hughes commented. As part of the GRACE Art in the Schools program, Hughes and Taylor have developed a creative approach for presenting architecture to children. Their ten presentations, two in each Reston elementary school during 1978, are turning kids on to looking at the structures around them, understanding the functioning of their homes and schools, and imagining buildings not yet set in concrete. Hughes and Taylor call their program Architectural Anatomy.

Stand up. Feel your ribs. What do you feel? BONES. Look at your hands. What do you see? SKIN. What do your bones do for you? They hold you up. What does your skin do? It protects you from the weather. Every building has skin and bones just like you.

At the heart of the presentation is a useful analogy which compares buildings with something familiar to the child, his own body. This strategy not only makes the new information easy for the child to assimilate and work with, but develops a feeling of empathy in the child for buildings in his environment and the care they require. The children identify the bones — structural supports of steel, wood, or concrete; and various kinds of skin — glass, wood, brick and plaster, in the room they are in and in the buildings pictured in the slides which are interspersed with the discussion. They observe that skin ages on humans and on buildings, and that oils and other materials are interspersed between the skin and the bone in the building. They also observe that windows and doors, which have to be changed or replaced from time to time, are the "joints" of the building. The children seem to grasp the concept of a building as a living organism, as well as the idea that buildings must be cared for properly.

The method of presentation alternates questions and answers with slides of familiar and distant buildings. The children enthusiastically recognize Dogwood School which Hughes helped to design, the Chimney Houses on Lake Anne, and the Wexford Recreation Center which Hughes designed for the Fairfax County Park Authority. The children are surprised to discover that a marvelously evocative heap of steel rods are the bones of a Reston school as delivered to the construction site. The slides also include such remarkable structures as the Golden Gate Bridge, the Trans America building in San Francisco, the Mummers Theater in Oklahoma City, and a house designed to look like a prairie chicken.

Taylor introduces the children to designing using large sheets of newsprint and colored markers. The class is first asked to decide what rooms they want. Where is the view? Where is the sun? The children suggest shapes that they could use as patterns in their buildings, stars, circles, squares, triangles. With Hughes and Taylor moving around the room as the young architects worked, a variety of styles emerged including a happy pumpkin faced house on exposed stilts, a suspension house, houses with lookout, and a hideaway for an octopus. Some of the children, it seemed, aspired to be town planners.

Hughes became interested in working with children as a result of his experience in designing elementary schools such as Oxon Hill Elementary with its low child-height windows. He has varied the Architectural Anatomy presentation to suit the ages and requirements of different classes, focusing on the rhythms of light and shadow patterns for a music class. Hughes is enthusiastic about adding a skeleton as a visual aid to the presentation and about doing a program based on triangles. "Triangular structure is found at every level of the natural spectrum from molecular structure to large buildings, the Pyramids, and social forms. That's because it is the most economical form; it requires the fewest possible points for structural stability."

The GRACE Art in the Schools program and the Arts Resources Directory which is available at the gallery has been developed under a $500 grant from the Reston PTA and PTOs supplemented with an additional $900 of GRACE operating funds. The programs including Architectural Anatomy, Living with Crafts, Stained Glass, and Fiber have served 1,640 children to date, and will reach substantially more than 2,000 by the close of the school year. The material has been assembled with the professional expertise of such persons as Jim Wallace, photographer; Dieter Goldkuhle, stained glass fabricator; Brenda Belfield, stained gliss designer; Lois Salazar, weaver; Peter Danka, furniture designer; Rick Wall, furniture maker; and the Hughes Group, architects. The program is coordinated by Kathryn Ripley Feldman with the assistance of docents Susan Jones, Peggy Seferian, and Cynthia Bushong. GRACE plans to add "Folk Art" and "Metal, Glass and Clay - the Element of Fire" to the available programs next year.

News from McGaughy, Marshall and McMillan
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INTERFACE, established in 1975, is now a subsidiary of McGaughy, Marshall and McMillan, Architects and Consulting Engineers, and offers its services from their offices in Germany, Greece and the United States (Washington, Texas, Nebraska and Virginia). INTERFACE specializes in identifying and eliminating barriers that face people who have physical, sensory (vision, hearing, etc.), mental and developmental disabilities, i.e., the "handicapped."
The Northern Virginia Chapter of the American Institute of Architects awarded AIA certificates to 17 new members at its annual membership meeting held on October 19, 1978, at National AIA Headquarters. Membership in the Chapter now totals 280 architects.

Northern Virginia AIA Officers elected to serve with Walter A. Brown, 1979 President, include: Patricia Schiffelbein, President Elect; Marvin Cantor, Secretary; and Lawrence Cook, Treasurer. Chapter Directors, elected for three year terms, include 1980 - Carlos Santos, Tom Kerns; and 1981 - Pamela Clayton; William Klene and Whit Wagner.

Sarah P. Harkness, AIA, founding partner and presently Vice President and Principal of the Architects Collaborative, Cambridge, Mass., was the featured speaker at the meeting.

Sarah P. Harkness, AIA with Randy Vosbeck, FAIA, and Michael LeMay, AIA, Chapter President. At top of page, Ms. Harkness is shown during her presentation, "TAC: Where It's Been and Where It's Going."
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The Bowers Brothers Coffee Building, an 1888 warehouse in historic Shockoe Slip, was the first "in-town" residential unit to be provided in Richmond’s warehouse district. Once the center of Richmond’s food warehousing, Shockoe Slip has been recycled as a restaurant/entertainment district. It now contains art galleries, boutiques and no fewer than eight restaurants.

The Bowers Brothers Building, located on the site of the tobacco exchange of the 1870s, had been a coffee warehouse but had been vacant for 15 years. The program was to house as many residential units as possible in the six-level, 21,000 square feet of the building.

The building contains four levels of apartments, with four apartments on each floor, and two levels of retail space. Everything but the massive brick walls and the wood structure was removed. All of the apartments contain a large living-dining room, a kitchen and two bedrooms, each with a bath. The wooden beams are exposed, as are the brick walls in the living rooms. Each apartment contains approximately 900 square feet, but each floor plan is slightly different. Lightweight concrete fill was used...
to level the floors and to provide acoustical separation between levels. Wood parquet floors are used throughout. Heating and air conditioning is provided by individual heat pump units, and the existing sprinkler system was reworked.

The ground floor of the Coffee Building contains an octagonal lobby which gives access to the elevator lobby, shops, and the ornamental stairs to the lower level. The old doors of the building have been converted into show windows. The shops are entered through either sliding glass doors or large iron gates. Approximately 3,400 square feet of retail space is available on the first level with another 3,500 square feet at the foot of the ornamental stairs.

The etched glass doors, bowed railings of the stair, ceramic tile floors and ornamental lighting fixtures all suggest a "period" feeling without obscuring the substantial and massive industrial character of the building.

The exterior, which had been painted and had made use of three different types of brick, has been painted dark chocolate with white trim and red sash. The old Bowers Brothers sign has been repainted on the new facade.

While the renovation was accomplished at a cost competitive with most modern speculative apartment buildings, it has a rough hewn strength rarely found in its modern equivalents.

Leake-Enfield Associates, Inc. of Richmond was general contractor and handled masonry work and carpentry.

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Hanover Iron & Steel, Inc., Ashland, steel supply/erection; Carolina Door & Millwork Co., N. C., millwork; Richmond Lumber Co., Inc., cabinets; M. P. Berdan & Sons, Inc., caulking & painting contractor/supplier; Joe M. DeShazo Roofing Co., roofing; Binning's, Inc., Lexington, N. C., windows; Architectural Hardware, Inc., hardware supplier; and Central Virginia Dry Wall Specialist, Inc., gypsum board contractor.

Also, Wall to Wall of Richmond, Ltd., ceramic tile & carpet; Progressive Tile, structural (glazed) tile; Dover Elevator Co., elevators; Virginia Sprinkler Co., Inc., Ashland, sprinkler contractor; American Mechanical, Inc., plumbing contractor; Commonwealth Air Conditioning & Heating Corp., heating/ventilating/air conditioning contractor; and Advance Electric Co., electrical equipment supplier/contractor.
The Communications Workers of America had owned, for a number of years, the Mercury Building, an eight-story limestone faced office building at the corner of 20th and K Streets, N.W., Washington, D.C., with the existing building containing approximately 65,000 square feet. The owner was occupying approximately one-half of the existing building and renting the remainder. Anticipating the need to provide additional office space for its staff, the owner acquired additional adjacent property to the north on 20th Street. With the additional property available, the owner determined to construct a new office building on 20th Street with adequate underground parking for both new and existing building and to use as office space the top three floors of the combined buildings.

The program needs included space for elected and appointed officers, all staff functions, adequate accommodations for board meetings, space for conference groups and educational meetings, dining facilities for staff lunch-time use, computer facilities, printing and reproduction facilities, museum space, and all other ancillary functional spaces required at the headquarters of a national organization.

The original land area contained 8350 square feet, with the property acquired on 20th Street having an area of 14,150 square feet, for an overall site area of 22,500 square feet. The land is zoned C3B under the District of Columbia zoning ordinance, which zoning classification allows a 6.5 FAR. The combined property resulted in approximately 90 feet frontage on K Street and 232 feet frontage along 20th Street. A public alley to the east gives access to the service area of both buildings and this open space provides window access on this elevation. The high point of the site is at the southeast corner with an 11 foot drop in grade between that point and the northerly property line.

It was determined to design the building addition and the renovation of the existing older building to appear as one building when the project was completed.
Because of the construction of the limestone facing on the existing building, it was judged to be most logical to leave the limestone substantially in place and to apply a lightweight well-insulated curtain wall over the limestone and thus carry that design element throughout the project on the two street elevations.

Stainless steel was thereby chosen as the curtain wall material because of its permanence, light weight and its jewel-like texture in direct sunlight when used in a faceted panel.

As the owner desired to occupy the top three floors of the new building and to relate that usage to the remodeled top three floors of the existing building, floor elevations were matched on the seventh and eighth floors. The remodeled K Street lobby of the existing building is connected by a ramping corridor to the upper level of the new building.

A four-story underground garage was designed as part of the addition with continually sloping floors thereby avoiding internal ramps.

Banking and retail spaces were provided at the lobby levels with each retail space having direct access to an adjacent covered public arcade.

From Maryland were: Marvaco, Inc., Fairmont Heights, excavating; The Ceco Corp., Beaver Heights, reinforcing; Howat Concrete Co., Kenilworth, concrete supplier; Washington Woodworking Co., Inc., Landover, millwork, paneling & cabinets; W. G. Cornell Co. of Washington, Inc., Brentwood, sheet metal, sprinkler contractor, plumbing fixture supplier, and plumbing/heating/ventilating/air conditioning contractor; PPG Industries, Inc., Hyattsville, glass & storefront; Metal Construction Services Corp., Baltimore, glazing contractor & windows; James S. Lertora, Silver Spring, plaster contractor; Beatman & Magnani, Inc., Capitol Heights, ceramic tile; Southeastern Roof Co., Inc., Beltsville, resilient tile; and Devoe Paint, Kensington, paint supplier.

From Virginia were: Tremco Sealants, Cleveland Ohio, caulking; Celotex Corp., roof insulation; City Steel Door Corp., metal doors & frames; Pella - U. S. plywood, wood doors; Liskey Aluminum, special flooring; Devoe Paint, Louisville, Kentucky, paint manufacturer; Waterous, Inc., special wall finish; Westinghouse Elevator, Jersey City, N. J., elevators; Walter C. Doe Co., Washington, D. C., electrical contractor; G. W. Blanchard Co., Magic Door equipment; Barbee_Currin Elevator Co., belt manlift; The Brandt Corp., fan coil covers; Cutler Mail Chute, mail chute; S. L. Cooper & Associates, loading dock; Lamb Seal & Stencil Co., CWA plaque; North American Door Co., metal rolling door & aluminum rolling grilles; Sanymetal Products Co., metal toilet partitions; Schultz & Melliis, Inc., fire extinguishers; and Capital Producers, installers of metal rolling door and aluminum rolling grilles.
The offices of Glave Newman Anderson and Associates, Inc., are located in the Ironfronts, a cast iron building of 1866 located in the heart of Richmond's financial district. Founded in 1965, Glave Newman Anderson has always been located in historically significant buildings, first in the Ellen Glasgow Carriage House, and later in a late nineteenth century house in the 200 block of West Franklin Street.

The firm has grown from two partners and one employee to four principals with a staff of sixteen. When it became clear that their old quarters were too small, the firm began a search for larger offices in an historically important building. The Ironfronts was an ideal location and Glave Newman Anderson was the first major tenant to locate in the building. They were also the architects and developers for the building.

The space they rented was 25 feet wide and 150 feet long, with windows at the narrow ends, a 15 foot ceiling, and a large skylight in the middle of the space. The long narrow space was difficult to divide into small private offices. The decision was therefore made to locate all eleven registered architects and support staff "in-the-open," thereby promoting the atmosphere of a traditional architectural studio.

Low, free-standing partitions subdivided the space, with a secretarial/reception/conference area in the middle separating the two studio areas. Within the studios, drafting stations are subdivided into groups of four. A library/research area is located to the front, adjacent to a coffee/print area.

The walls are exposed brick, new partitions are painted white, the ceiling is deep blue and the carpet neutral. The mechanical and electrical systems are exposed. Since moving into the new office, Glave Newman Anderson has expanded by five persons. The office arrangement has proven to be flexible and adaptable, and the open arrangement has greatly improved intra-office communications.

Heyward Construction Co., Inc. of Richmond was general contractor and handled masonry work, carpentry, structural wood, millwork and cabinets.

Subcontractors & Suppliers
(Richmond firms unless noted)

Hanover Erectors, Inc., Ashland, steel supplier/erector; Richmond Glass Co., glass/glazing contractor; H. Beckstoffer's Sons, Inc., wood doors; Roanoke Engineering Sales Co., Inc., windows; Pleasants Hardware, hardware supplier; F. Richard Wilton, Jr., Inc., gypsum board contractor; T.F. Frick & Co., painting contractor; Dover Elevator Co., elevators; Virginia Sprinkler Co., Inc., Ashland, sprinkler contractor; Hungerford Mechanical Corp., heating/ventilating/air conditioning/electrical contractor.
For Ronn Maratea, commercial photographer, the decision to move his studio from his home was easy. "Frankly business had been going well, and I needed more space and efficiency," he says.

He decided to design and build his studio from the ground up, rather than lease existing space for two reasons. First, he felt that any commercial photographer who leases space normally makes major compromises. "I made no compromise." He says that if he had to do the building all over again, he would make no changes in the function or design of the spaces. "I would keep it exactly as it is now." His second reason for building from the ground up...
was an economic one. Space of a comparable size with comparable features would have cost him more in rent than his mortgage payments.

Using his own experience and references from Eastman Kodak, Maratea had a good handle on the amount of space he needed. He also knew that to accommodate his space requirements within his tight budget would require a very efficient design.

This is what motivated him to use an architect, "I am a photographer, not an architect; there's no question I could get a better job done as far as space usage, mechanical systems, the whole bit, if I hired somebody to do it rather than just going to a general contractor with some lines drawn on a piece of paper."

For Maratea and his wife Jan, who works with him, site selection was particularly important. Knowing the size studio they needed, the Marateas looked for a site that would give them the minimum required parking and would be very close to their home because of the number of hours they put into the business. They located a site off Virginia Beach Boulevard near their home in Virginia Beach. The lot is triangular with less than 10,000 sq. ft. The building was sited to accommodate the shape and to allow for isolated outdoor photography areas. One problem was that the site required a more costly foundation because it is fill land. This factor coupled with the Marateas' tight budget resulted in basically a box shaped building with one corner sliced to conform to the triangular lot. A wood frame structural system was used to reduce the foundation load.

As mentioned, Maratea was prompted to build by his need for additional space, but not just any type of space. "I had to have space, first of all, that would be a showcase for my work when people first walk through the door." Thus the entry foyer was designed as both a gallery and a reception area. "That reception area has gotten me business," says Maratea. "It's a working space in that sense; the building is a salesman for me."

Maratea also needed a large open camera room with a minimum 12' ceiling and 40' of clear span. The room has a structural slab to accommodate automobiles which are brought in through an overhead door to be photographed. The need to minimize the foundation load while providing the 40' span dictated the use of a wood truss system. Actually the height is 12'-4" to allow for wood cleats in the ceiling for attached lights. This provides great flexibility in the use of the space.

A rather unique feature of the studio is the audio-visual center. The key parameter was the correct screen to projector distance to obtain the optimum picture size. The distance was calculated using Eastman Kodak tables. The projection booth itself was then sized allowing space for two people to work comfortably. All audio-visual equipment is built into counters in the projection booth. The room is on its own sub-panel for electrical control. It has a built-in sound system and is designed so that, if necessary, one person can control an entire audio-

(Continued on page 53)
The United Virginia Bank of Roanoke has arrived in Salem, Virginia. The new Salem office provides full banking services to the city and the western portion of the Roanoke Valley.

The site is located in the Salem "west end" and occupies approximately an acre of commercial property in the southwest corner of the Spartan Square Shopping Center. To the front of the site is west Main Street, a primary arterial highway which eventually leads to Blacksburg. The land between these urban areas is generally referred to as the "growth corridor." This new banking facility is strategically located to serve the developing business and public interests of the area. Also, being located adjacent to one of the major shopping centers in the city has proved mutually beneficial to both bank and retail activity.

A fairly level topography has enabled site preparation work to be held at a minimum. Due to vehicular circulation and parking requirements most of the site is paved. However, along the adjacent rights-of-way and at the building perimeter the quality of landscaping has been emphasized. Building orientation is such that all glassed elevations face in an easterly direction, a definite advantage to energy conservation.

Site plan development is "branch bank traditional," employing a counter-clockwise flow to aid in the use of the drive-up facilities, which consist of a drive-up window and one remote station. Parking is adjacent to the main entrance and provides for approximately 35 vehicles. The main identification sign is blended into the entrance curb and walk arrangement. Walk-up provisions are convenient for around-the-clock use of the night depository. The one-story structure occupies 2800 square feet. Approximately three-fourths of the enclosed area is devoted to banking activities, the remaining to employee support and building operation.

(Continued on page 53)
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In September 1978, the Virginia Society of the American Institute of Architects honored its members and their firms by presenting a number of honor and merit awards for distinguished achievements in architectural design. For many years the Honor Awards program has been the highlight of the Society's fall meeting, presented in the even number years. This program proved to be no exception, with thirty-three firms submitting 103 projects the quality was high and the competition intense.

This year, firms were asked to submit their projects in the following classifications: multi-family residential, single family residential, additions/remodelings, commercial/office/industrial, recycling/restoration, recreational, institutional, religious, interior space, and miscellaneous. Submitting architects were also requested to make their submissions by way of slides rather than the traditional 8 x 10 glossy black and white photos. This procedure was pursued to encourage more participation by Society architects, while attempting to defer costs. As always, it was still necessary to submit floor plans and site plans in a graphic form.

Whether it was a simplified format or the increased amount of work produced by state firms, it was noted that the submissions were 25% higher than during the 1976 Honor Awards program.

The distinguished jury of Donald Canty, Henry L. Kamphoefner, FAIA, and Arthur Cotton Moore, AIA selected four projects to receive awards of merit and seven projects to receive honor awards. In addition, there was one special award given by the Virginia Masonry Council for distinguished use of masonry in architecture. The selected projects display a variety of style and technique while solving architectural problems in fields ranging from residential to heavy commercial.

The next fourteen pages are devoted to the award winning projects. Congratulations go to those firms who were selected as award winners but also to all of the firms who participated in this exciting, growing architectural program in Virginia.
Honor Award

James River Park Pedestrian Bridge
Richmond
Abbott Associates — Architect and
Thomas A. Hanson Associates — Consulting Engineer

Owner, Department of Recreation and Parks, City of Richmond • Structural Engineer, Thomas A. Hanson Associates • Landscape Architect, Stanley W. Abbott, FASLA • General Contractor, Heindl-Eggle Inc. • Photography, Carlton S. Abbott, AIA.
Honor Award

British Aerospace, Inc./Rolls Royce, Inc.
Dulles Industrial Aerospace Park, Fairfax County
The VVKR Partnership — Architect

Owner, British Aircraft Corp. (USA) Inc./Rolls Royce
Aero Eng. • Structural Engineer, The VVKR Partnership
Mechanical Engineer, The VVKR Partnership
Electrical Engineer, The VVKR Partnership
Landscape Architect, The VVKR Partnership
General Contractor, Wayne Construction Co. • Photography, The VVKR Partnership.
Honor Award

LeCompte Studio
Waterford
James William Ritter, AIA — Architect

Owner, Rowan and Peggy LeCompte • Structural Engineer, Higgs & Higgs, Inc. • Photography, James W. Ritter, AIA.
Honor Award

Boggs House
Richmond
Dewberry, Nealon & Davis - Joseph Boggs/Studio — Architect

Owner, Beryl Boggs  •  Structural Engineer, Beryl Boggs  •  Mechanical Engineer, Beryl Boggs  •  Electrical Engineer, Peter Barna Lighting Design  •  Landscape Architect, Joseph Boggs  •  General Contractor, Boggs Construction Co.  •  Photography, William Mills.
Honor Award

Titus House
Lorton
Dewberry, Nealon & Davis - Joseph Boggs/Studio — Architect

Owner, Jonathan Titus, M.D. • Structural Engineer, James Madison Lutts • Electrical Engineer, Peter Barna Lighting Design • Landscape Architect, Joseph Boggs • Interior Design, Patricia Titus • General Contractor, Jonathan Titus, M.D. • Photography, William Mills.
Honor Award

Private Residence
Northern Neck
M. Jack Rinehart, Jr., AIA — Architect

Structural Engineer, David Morris, P. E • Mechanical Engineer, M. Jack Rinehart, Jr., AIA • Electrical Engineer, M. Jack Rinehart, Jr., AIA • Designer, Project Architect, Samuel S. Cleveland • General Contractor, Leonard Forrester • Photography, Huffman Studio.
Gold Hill Village
Buckingham County
M. Jack Rinehart, Jr., AIA — Architect

Owner or Developer, Buckingham Housing Development Corporation • Structural Engineer, David Morris, P.E. • Mechanical Engineer, M. Jack Rinehart, AIA • Electrical Engineer, M. Jack Rinehart, AIA • Landscape Architect, M. Jack Rinehart, AIA • General Contractor, R. W. Hill & Sons, Inc. • Photography, Huffman Studio.
Merit Award

Crescent Plaza Office Building
Falls Church
Ward & Hall & Associates, AIA — Architect

Owner, 7700 Crescent Plaza Limited Partnership • Structural Engineer, Allison-Meyer, Structural Engineer • Mechanical Engineer, Benbassat & Sporidis Company • Electrical Engineer, Benbassat & Sporidis Company • Landscape Designer, Rolf Jensen • General Contractor, Glen Construction Company, Inc. • Photography, J. Alexander Studio.
Church Hill Social Service Center
Richmond
Glave Newman Anderson & Associates, Inc. — Architect

Owner, City of Richmond, Virginia • Structural Engineer, William J. Davis • Mechanical Engineer, Hankins and Anderson • Electrical Engineer, Hankins and Anderson • Landscape Architect, Wilson-Morath Partnership • General Contractor, A. L. Howard, Inc. • Photography, Glave Newman Anderson & Associates, Inc.
Merit Award

Briarwood Hearth, Phase III
Chesterfield County
Vaughan + Boynton Architecture — Architect

Owner or Developer, The Covington Company • Structural Engineer, Vaughan + Boynton Architecture • Mechanical Engineer, Vaughan + Boynton Architecture • Electrical Engineer, Vaughan + Boynton Architecture • Landscape Architect, C. Preston Dalrymple • General Contractor, Multi-Con, Inc. • Photography, Robert A. Boynton, AIA.
Jamestown Visitor Center
Jamestown
The VVKR Partnership — Architect

Owner, Department of the Interior National Park Service • Structural Engineer, The VVKR Partnership • Mechanical Engineer, The VVKR Partnership • Electrical Engineer, The VVKR Partnership • Landscape Architect, The VVKR Partnership • General Contractor, Wintz Brothers Construction • Photography, Jay Alexander.
Special Award

Virginia National Bank
Danville
Moseley-Hening Associates, Inc. — Architect

Virginia Masonry Council Special Award • Owner, Virginia National Bank • Structural Engineer, Dunbar, Milby & Williams, Inc. • Mechanical Engineer, W. G. Brandt, Jr. & Associates • Electrical Engineer, W. G. Brandt, Jr. & Associates • Interior Design, American Furniture & Fixture Co., Inc. • General Contractor, John W. Daniel & Co., Inc. • Photography, Huffman Studios.
James River Park
Pedestrian Bridge

I. Evans, Inc. of Mechanicsville was general contractor.

Subcontractors & Suppliers
(Richmond firms unless noted)
Expert Fence Co.; Hanover Concrete Corp.; Mechanicville; Chorotuck Nurseries; Tidewater Materials Corp.; Bowker & Roden, Inc.; Economy Cast Stone Co.; Welding Service Co.; A. E. Tate Lumber Co., Inc; and W. W. Nash & Sons, Inc.

British Aerospace, Inc/Rolls
Royce, Inc.

Wayne Construction Co. of Arlington was general contractor.

Subcontractors & Suppliers
American Steel Products Corp., Woodbridge, hollow metal doors & frames; Arlington Woodworking & Lumber Co., Inc, McLean, millwork; Baco Co., Inc., Springfield, plumbing & HVAC; Builders Hardware Corp., Rockville, MD, hardware; Building Products Co., Landover Hills, MD, toilet accessories; Burkholder & Krieg, Mennifield, elevation, Crawford Doors Sales Co., Lorton, rolling steel doors; Custom Walls & Windows, Inc., Kensington, MO, aluminum windows; Fabricated Steel Products, Inc., Cockeysville, MD, structural steel, joists, deck; Fireline Corp., Silver Spring, MD, Homan system; The Howard P. Foley Co., Beltsville, MD, electrical; and Franklin Marble & Tile Co., Capitol Heights, MD, ceramic tile, terrazzo & slate.


Others were: Perrin & Martin, Inc., Arlington, roofing; Pied Piper of Virginia, Silver Spring, MD, termites control; H. H. Robinson Co., Washington, D.C., insulated metal panels; Rodgers Excavating Co., Inc., Fairfax, excavation, curb & gutter; Service Glass Industries, Inc., Frederick, MO, aluminum doors & frames, glass & glazing; Steel Products, Inc., Rockville, MD, compartments, lockers, etc.; Stresscon Industries, Inc., Silver Spring, MD, flexicore slabs; Take Interiors, Elkridge, MD, access floor; Thomson Steel Co., Beltsville, MD, reinforcing steel; Virginia Concrete Co., Inc., Springfield, concrete; W & W Fabricators, Inc., LaPlata, MD, miscellaneous metal; Williams Enterprises, Fairfax, erection of metal panels; Wilmar Contractors, Inc., Vienna, painting, caulking etc.; and T. M. Woodall Corp., Takoma Park, MD, dry wall, insulation & acoustic tile.

The Boggs House

The owner, Beryl Boggs, acted as general contractor and handled electrical, plumbing, roofing, carpentry, concrete, sheetrock and insulation.

Subcontractors & Suppliers
Martin Heating, mechanical; and Roper Lumber Co., Petersburg.

The Titus House

The owner, Jonathan Titus, acted as general contractor and handled electrical work.

Subcontractors & Suppliers
(Addiehich firms unless noted)
Sheet Metal Fabricators, Inc., mechanicl, Griffin Plumbing & Heating Co., Inc, plumbing; Perma-Plastic, Philadelphia, PA, roofing; T. Alan Taylor, Contractor, carpentry & concrete; Allen and Van Hoven, sheetrock; Davenport Insulation, insulation; S & S Kitchen Products, Manassas, kitchen; and Fairfax Mill Work, Fairfax.

Private Residence

Leann Forrester of Lively, was general contractor.

Subcontractors & Suppliers
Robert N. Booth & Son, Inc., Callao, sodding, seeding, etc. & paving; Robert Beasley, Callao, concrete supplier; Branden Haney, Lively, masonry contractor; Kilmarnock Planing Mill, Kilmarnock, millwork & cabinets; Cedar Roofs of Richmond, Inc., Richmond, roofing; Crowther Heating & Air Conditioning, Kilmarnock, roof & wall insulation, and heating/air conditioning contractor; Binnings, Inc., Lexington, NC, metal doors & frames; and S D G. Incorporated, Richmond, wood doors.

Others were: Andersen, windows; Martin Hardware, Charlottesville, hardware supplier; Tricity, Saluda, plaster contractor; Town & Country Decorating, Gloucester Point, structural (glazed) tile; Colin Berry, Lancaster, painting contractor - Glidden paint; L & J Plumbing, Whitehouse, plumbing contractor; Neil's Electric Service, Kilmarnock, electrical contractor and Lightolier, lighting fixtures.

Gold Hill Village

R. W. Hill & Sons, Inc., of Arvonia, was general contractor and handled excavating, sodding, seeding, etc., paving, carpentry, roof/wall/foundation insulation, glazing and gypsum board work.

Subcontractors & Suppliers
New Canton Concrete, New Canton, concrete supplier; Lynchburg Steel & Specialty Co., Monroe, steel supplier & handrails; Automated Structures, Charlottesville, structural wood; Ruffin & Payne, Inc., Richmond, millwork, cabinets & wood doors; E. B. Lightfoot, New Canton, roofing; Charlottesville Glass & Mirror Corp., Charlottesville, windows; Martin Hardware, Charlottesville, hardware supplier; Foster's Carpet Land, Farmville, ceramic tile & carpet; W. E. Kidd, Farmville, painting contractor; D. A. Hines Co., Lynchburg, paint supplier - Martin-Senour/Benjamin Moore paints; Noland Co., Charlottesville, plumbing fixture supplier; Tyson's Plumbing, Columbia, plumbing contractor & septic systems; Weather Conditioners, Inc., Lynchburg, air conditioning contractor; Redmont Electric, Charlottesville, electrical equipment supplier; N. G. Herndon, Arvonia, electrical contractor; and Fairwell Well Corp., Lynchburg, public water system.

Crescent Plaza
Office Building

Glen Construction Co., Inc. of Rockville, MD, was general contractor.

Subcontractors & Suppliers
Maryland firms were: From Rockville - The Bethesda Asphalt & Bituminous Co., waterproofing
& membrane waterproofing; Builders Hardware Corp., finish hardware; Hill & Schneider, Inc., painting; Harvey W. Hottel, Inc., HVAC; Maryland Fire Extinguishing Co., fire extinguishers; and Pei-Bern Electric, Inc., electrical. Other Maryland firms were: Armor Elevator Co., Inc., Brentwood, elevators; Art Precast Stone, Clinton, precast concrete; Asbestos Covering & Roofing Co., Inc., Beltsville, insulation; R. D. Bean, Inc., Beltsville, roofing, sheet metal, insulation & flashings; James A. Cassidy Co., Inc., Beltsville, mail boxes; Custom Walls & Windows, Inc., Kensington, curtainwall, store front; Fabricated Steel Products, Inc., Cockeysville, structural steel; Fairland Excavation Co., Silver Spring, excavation; John H. Hampshire, Inc., Bledensburg, acoustical ceiling; Marty Reilly Co., Kensington, toilet accessories; Stone Building Products, Silver Spring, toilet partitions; Tri State Erection Co., Seat Pleasant, erection; and W & W Fabrication, LaPlata, miscellaneous metal.


Church Hill Social Service Center
A. L. Howard, Inc. of Richmond was general contractor and handled concrete work, reinforcing, carpentry and gypsum board work.

Subcontractors & Suppliers
(Richmond firms unless noted)
E. G. Bowles Co., paving contractor; Concrete Structures, Inc., prestressed concrete; Capital Masonry Corp., masonry contractor; E. C. Keys & Son of Virginia, masonry supplier & mortar; Hanover Iron & Steel, Ashland, steel supplier, hammer; Misner Metal & Handrails, Ruffin & Payne, Inc., millwork, cabinets & wood doors; Western Waterproofing Co., Inc., St. Louis, Mo., waterproofing; E. S. Chappell & Son, Inc., caulking; N. W. Martin & Bros., Inc., built-up roof & other roofing; PPG Industries, Inc., glass & glazing; J. S. Archer Co., Inc., metal doors & frames; Hope’s Windows – Courtenay Wilton, windows; Pleasants Hardware, hardware supplier; Stonnell-Satterwhite, Inc., ceramic tile; Consolidated Tile Co., resilient tile; Carpetalk, carpet; Glidewell Bros., Inc., painting contractor; M. A. Bruder & Sons, paint manufacturer; Dover Elevator Co., elevators; Noland Co., plumbing fixture supplier; Callcott-Johnson Corp., plumbing/heatig/ventilating/air conditioning contractor; and W. C. Lang, Electric Co., Inc., electrical contractor.

Briarwood Hearth
Phase III
Multi-Con, Inc. of Herndon, was general contractor and handled waterproofing, caulking and painting. Landscaping was handled by the owner.

Subcontractors & Suppliers
(Richmond firms unless noted)

Jamestown Visitor Center
Wintz Brothers, Inc. of Philadelphia, Pa., the general contractor, handled carpentry and structural wood.

Subcontractors & Suppliers


Others were: American Seating Co., Norfolk, Pa., auditorium seating; Morgan & Co., Philadelphia, Pa., flag poles; Cornell Iron Works, Inc., Wilkes-Barre, Pa., rolling grille; Bonitz All-Weather Crete Co., Greensboro, N.C., asphaltic concrete; Billy James, Hampton, floor tile; and, Chisman Co., Hampton, wire mesh.

Virginia National Bank
John W. Daniel & Co., Inc., Danville was general contractor.

Subcontractors & Suppliers
(Danville firms unless noted)
Quality Control Exterminating Co., Inc., pretreatment for termite control; Danville Landscaping, landscaping; Thompson-Arthur Paving Co., paving contractor; Valley Steel Co., Roanoke, reinforcing; Danville Concrete Products, block supplier; Acme Brick Co., Texas, brick supplier; Danville Lumber Co., carpentry materials, cabinets & wood doors; E. M. Martin, Inc., Charlotteville, waterproofing, built-up roof & sheet metal; The Bonitz Insulation Co., Inc., Greensboro, N.C., roof & wall insulation; Binswanger Glass Co., Inc., Greensboro, N.C., glass, windows & storefront; Seyfar, Inc., Martinsville, metal doors & frames; Tom Jones Hardware Co., Inc., hardware supplier; Wrenn Tile, ceramic tile; J. W. Square Co., Inc., acoustical tile & floor covering; Quality Control, painting contractor; Cates Building Specialties, Inc., Roanoke, special doors, toilet partitions, toilet accessories; Energy Controls, Inc., plumbing/heating contractor; Watson Electrical Construction Co., Wilson, N.C., electrical contractor. Bank equipment was handled under a separate contract with the owner.
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FEBRUARY 1979 39
R.M.A. 2nd Street Parking Garage
Richmond
Marcellus Wright Cox & Ladd — Architect

Consulting Architect, Howard Needles Tammen & Bergdoff • Structural Engineer, Howard Needles Tammen & Bergdoff • Mechanical Engineer, Howard Needles Tammen & Bergdoff • Electrical Engineer, Howard Needles Tammen & Bergdoff • General Contractor, Bass Construction Co., Inc. • Photography, Lawrence S. Williams, Inc.

The Richmond Metropolitan Authority 2nd Street Parking Garage is an effective resolution of various problems in terms of both its form and its financing. It occupies half a block bordered by Franklin, Grace and 2nd Streets in downtown Richmond. It has four levels, accommodating 380 cars in approximately 150,000 square feet. To design and build a structure
which would be viable financially as well as complementary to its surroundings aesthetically was indeed a challenge. Cooperation between local banks, which provided a low interest bond, the City of Richmond, which subsidized the garage, and the R.M.A. which built and operates it, made this possible. The R.M.A. will continue to operate the garage until the end of the bond period, at which time responsibility for it will be turned over to the city.

In the blocks surrounding the site of the garage, one finds predominantly two- and three-story structures. Many of them are townhouses dating from the Victorian and post-Victorian (pre-1930) eras. The detailing is at the pedestrian scale; the materials are brick or stone characteristic of the period. Primary facades are oriented toward the east-west streets (Grace and Franklin), as is true of most of downtown Richmond. These streets are main vehicular arteries, which indicated that entry should be made from them into the garage. This necessitated appropriate design gestures and signage to call attention to the entrances from a moving automobile. In an attempt to satisfy both the contextual need for a continued pedestrian scale streetscape and the functional need for a vehicular scale, the present form evolved.

Materials were chosen and applied with the immediate context in mind. The massing is modulated by brick towers and brick-clad concrete piers. The towers house such functions as stairs and elevators, while serving to visually call out the entrances and exit. They also articulate the corners where streets intersect. Scored joints and brick soldier courses at each level add visual interest. There is a low brick wall along the sidewalk which contains landscaping elements behind it, further softening the building's impact at the ground level.

The three decks are reinforced concrete with site-cast white concrete fascias. Rather than stacking them evenly at the street, it was decided that a stepped-back progression of levels would further reduce the building's monolithic character, inherent to most parking structures. At the Franklin Street

(Continued on page 55)
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A reverence for the past is essential for preserving the traditions upon which enduring institutions are based. Such a tradition is the church bell which for fifty years rang in the old church every Sunday morning before services and at funerals. When the High Street Baptist Church moved to their present location in 1972 they brought their bell with them.

The bell originally was rung by pulling on a rope which hung from the bell tower. The rope was attached to a large wheel in the belfry. The disc activated a wooden strike.

It was decided that the bell would be displayed as a monument to the ongoing financial commitment required to retire the construction debt on the new facility. The bell will not sound, though, in its new location.

The new bell stand and enclosure arms are constructed of precast concrete. The four vertical arms extend upward 14 feet. The stand base to which the bell is attached is approximately five foot square. Where the arms come together at the top a down-light is provided.

The design character was developed to harmonize with the campanile which stands across the plaza. The location of the bell stand was selected to complement the site plan geometry which will exist after construction of the future education building.

The bell stand and campanile plaza is a gathering point where worshippers can stop and contemplate the past and gain strength for the future. A large pecan tree provides an excellent backdrop for concrete assembly.

The bell stand was constructed by trustees of the church under the direction of their pastor, Dr. Noel Taylor. The church now has around 800 members and celebrated their 94th anniversary during November of 1978. The High Street Baptist Church is a Missionary Baptist Church affiliated with the American Baptist and National Baptist Churches.
Beth Sholom Home of Eastern Virginia
Virginia Beach
The Design Collaborative/Laszlo Aranyi, AIA

Structural Engineer, Stroud Engineering Company •
Mechanical Engineer, Old Dominion Engineering •
Electrical Engineer, Old Dominion Engineering •
Interior Design, Margaret Allen • General Contractor,
R. D. Lambert and Son.

This new 120 bed facility will be part of a
statewide system of care for the Jewish elderly in
Virginia.

After many years of preparatory work, the building
was scheduled to be started in 1978, with a
completion date anticipated in 1980.

The building committee and the architect have
visited many fine long-term care facilities on the East
Coast to gain firsthand knowledge of the newest
developments in this field.

Site

The site is just under 10 acres and has some room
for future expansion of the nursing facility. In
addition, an area is set aside for other kinds of
housing for the elderly. It is located between the
new College Park Shopping Center and a residential
area in Virginia Beach.

(Continued on page 55)
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Thank You!

VIRGINIA RECORD MAGAZINE
Standing near downtown Norfolk amid single family housing, apartments and small commercial areas, Maury High School was old, but still structurally viable. However, changing educational and recreational requirements made additional facilities necessary and the decision was made to construct new outdoor athletic fields and an indoor gymnasium and pool.

The resulting complex now helps to provide for the recreational needs of community and city organizations and provides facilities for physical education and varsity sports programs within the school system.

Covering a large part of the irregularly shaped 20-acre site are baseball, softball and football fields. As part of the overall sports program, soccer and rugby
Monterey Elementary School Additions
Roanoke
Sherertz, Franklin and Shaffner — Architect

Structural Engineer, Sherertz, Franklin and Shaffner
Mechanical Engineer, Sherertz, Franklin and Shaffner
Electrical Engineer, Sherertz, Franklin and Shaffner
Interior Design, SFS Interiors
General Contractor, O. M. Tomlinson, Inc.
Photography, Cave Spring Photographics.
The two additions to Monterey Elementary School, completed in September, 1978, are the physical implementation of the Roanoke City School Boards desire to provide an improved educational environment for their students and a facility available for expanded community use after normal school hours.

The program called for expansion of the existing satellite kitchen facilities to provide for full meal preparation on site, six new elementary classrooms, new administrative offices, a new library, a multi-purpose "Gymatorium" with stage/music room and the conversion of existing offices and library areas for use as new classrooms.

The main addition houses the major activity, instructional and administrative spaces with the gymatorium serving as a central activity space with the classrooms grouped as one adjoining wing and the office/library spaces grouped as another wing.

The exterior is of brick masonry with flat built-up roofs. The building massing and orientation were developed in sympathy with the existing structures and serve to focus both students and visitors to the new main entrance.

The interiors of the project have incorporated the use of bright colors and supergraphic treatments for visual interest and space orientation.

Q. M. Tomlinson, Inc. of Roanoke was the General Contractor and handled foundations, concrete work, steel erection, and carpentry.

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(Roanoke firms unless noted)

Joe Bandy & Son, Inc., excavating; M. S. Ryan, sodding, seeding, etc.; Laurel Creek Nursery, Blacksburg, landscaping & landscaping contractor; S. R. Draper Paving Co., Inc., paving contractor; Valley Steel Corp., Salem, reinforcing; Concrete Ready Mixed Corp., concrete supplier; Thompson Masonry Contractor, Salem, masonry contractor; Lightweight Block Co., Inc. & Webster Brick Co., Inc., masonry suppliers; Structural Steel Co., Inc., steel supplier, miscellaneous metal & handrails; John W. Hancock, Jr., Inc., Salem, steel joists; South Roanoke Lumber Co., millwork & wood doors; Southside Manufacturing Co., Danville, cabinets; and I. N. McNeil Roofing & Sheet Metal Co., Inc., waterproofing, built-up roof & sheet metal.

Also, Hesse & Hurt, Inc., caulking & painting contractor; Binswanger Glass Co., Greensboro, N.C., glazing contractor; Lynchburg Overhead Door & Hardware Co., Lynchburg, metal doors & frames & hardware supplier; John H. Hampshire Corp., plaster contractor, gypsum board contractor, acoustical treatment & resilient tile; Christiansburg Tile & Carpet Center, Christiansburg, ceramic tile; De Hart Tile Co., Inc., Christiansburg, carpet; Dickerson-Trent, Inc., plumbing contractor; Bud Weaver Heating & Air Conditioning, heating/ventilating/air conditioning contractor; and M & M Contracting Electrical, electrical contractor.

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50 VIRGINIA RECORD

Founded 1878
Barnes Named
By HBAV

Neal A. Barnes, a Petersburg contractor, was installed as president of the Home Builders Association of Virginia on December 5, 1978. The HBA of Virginia is a trade association with more than 3,200 members.

The ceremonies took place during the association's third annual Mid-Winter Conference held at Richmond Hyatt House, and was followed by a reception and banquet with Lt. Gov. Charles S. Robb as guest speaker.

Barnes, a self-employed contractor of 20 years experience, owns and operates the Neal A. Barnes Construction Co. He has been a member of Home Builders Association of Southside Virginia for the past 18 years, and twice served as president of that organization. He has served on the HBAV board of directors for 14 years, and has held office as secretary, treasurer, and vice president.

A native of North Carolina, Barnes is a graduate of N. C. State University, where he also taught for two years.

Others who took office with Barnes are Ted S. Schlossman of Virginia Beach, vice president; H. Jack Jennings, Jr., also of Virginia Beach, vice president - associate, Lloyd G. Flint, Jr. of Lynchburg, treasurer; Lamar M. Jolly of Williamsburg, secretary; and Roland Specter of Petersburg, national representative.

The three-day conference featured seminars on business development and real estate management. A ladies legislative workshop was offered following coffee at the governor's mansion with Mrs. John N. Dalton, Virginia's first lady.

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FEBRUARY 1979 51
Chesapeake Corporation
Commmended by EPA

- The Chesapeake Corporation of Virginia has been
  commended by Jack J. Schramm, administrator of
  the Environmental Protection Agency (EPA) regional
  office in Philadelphia, for its promptness in moving
  toward conversion from oil to coal in No. 8 boiler of
  the pulp and paper mill's power plant.

  "It is not often that I take great pride in issuing an
  enforcement order to a company in Region III," Mr.
  Schramm wrote to Lawrence H. Camp, president of
  Chesapeake, in reference to what he called "the
  nation's first Section 113(d) administrative order
  under the new Clean Air Act amendments."

  "It is indeed gratifying for me to commend the
  Chesapeake Corporation's conscious attitude and
  willingness to burn coal, thereby helping the nation
  to solve its energy problems. The conversion of
  boiler number 8 to coal will result in a fuel savings of
  545,000 barrels of oil per year.

  "We believe that the Chesapeake Corporation will
  serve as an example to the rest of the country that
  we can go a long way toward solving our energy
  problems without sacrificing a clean and healthy
  environment," Mr. Schramm concluded.

  The Chesapeake Corporation expects to convert to
  coal in No. 8 boiler by gradual stages. The firm
  began the burning of some coal the latter part of
  September. EPA's order, issued August 6, permits
  the company to burn the coal prior to installation of
  a precipitator which will bring the company into
  compliance with Virginia particulate emission rules
  not later than June 30, 1980. Virginia's air pollution
  authorities have approved the variance.

New Addition to
Interspace Companies

- Interspace Incorporated has announced that
  Interior Planners Incorporated, Winter Park/Orlando,
  Florida, has joined the group of Interspace
  Companies.

  The firm specializes in space planning, interior
  design and graphics services, through offices in
  Philadelphia, New York, Washington, D.C. and
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VIRGINIA BEACH, VIRGINIA
Maratea Photography Studio  (From page 19)

visual presentation using up to 15 projectors. An interesting feature is the drop ceiling with cove lighting. The ceiling and walls are curved to give emphasis to the screen. As in the foyer the walls double as gallery spaces to display photography. The finish is 10% gray which, with the sophisticated lighting system, makes the photographs "jump out" at the viewer.

Two very important areas are, of course, the darkrooms and finishing room. They are scaled for custom work with suitable surface work areas and storage. The darkroom required light-tight air vents and doors. These areas have 100% exhaust and fresh air supply to remove the fumes from chemicals used in working with color photography.

The studio also includes an office and a kitchen for use in photography of food and for refrigerated film storage. A dressing room with shower is provided for models.

C. F. Hardy Building Corp. of Norfolk was general contractor and handled carpentry, roofing and plastering.

Subcontractors & Suppliers
(Norfolk firms unless noted)


Also, Sheet Metal Specialty Co., Va. Beach, sheet metal; PPG Industries, Inc., glass & windows; Architectural Products of Va., Va. Beach, metal doors & frames & hardware supplier; Addington-Beaman Lumber Co., Inc., wood doors; Sherwin-Williams Co., resilient tile; Robert Martindale, Chesapeake, painting contractor; Byler Plumbing & Heating Co., Va. Beach, plumbing fixture supplier; Virginia Environmental Control, Inc., heating contractor; Electrical Suppliers, Inc., lighting fixture supplier; and J. B. Basnight, Chesapeake, electrical contractor.

UVB of Roanoke, NA (From page 20)

Entry is through a vestibule which opens directly into the main lobby. Adjacent to the main lobby are the tellers' stations and the officers' platform. Five teller stations are provided with generous side and back counter work space. The drive-up window station is part of the back counter assembly. The officers' platform has desk provisions for a manager, new accounts officer and vault custodian. An ample vault, complete with handsome security door, adjoins the platform. The employee support areas consist of a lounge, coat room and toilets. Ceiling height in the banking areas is ten feet with a lowered portion over the tellers' area.

Exterior materials are brick and window wall. A four-foot overhang surrounds the building and supports a copper facade system with a stucco soffit underneath.

The substructure is concrete and masonry. Above grade support is provided using a steel superstructure consisting of columns, beams and bar joists. Enclosure is accomplished with veneer masonry and aluminum window frames, glazed with clear glass. A built-up roof provides moisture protection. The facility is totally air conditioned.

The brick exterior is continued inside where it is complemented by vinyl wall coverings and natural wood paneling. Carpet is the dominant floor material with resilient tile being used in support areas. A suspended acoustical tile ceiling is used throughout. Banking furniture, fixtures, doors, rails, and all exposed trim are finished in natural wood to match the wood accent wall treatment.

Days Construction Co., Inc. of Salem was general contractor.

Subcontractors & Suppliers
(Roanoke firms unless noted)

Thomas Brothers, Inc., Salem, excavating; Webster Brick Co., Inc., masonry supplier; Structural Steel Co., Inc., steel supplier/ joists/roof deck & miscellaneous metal; South Roanoke Lumber Co., millwork; Leonard Smith Sheet Metal & Roofing, Inc., Salem; built-up roof, roof insulation & sheet metal; Marion Glass Co., Salem, glass & glazing contractor; and Skyline Paint & Hardware, metal doors & frames.


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VIRGINIA RECORD  
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entire space. The residents will be served by a single nurses' station, which will be located near the entrance to the building.

A large shopping arcade will be created next to the lobby to suggest "downtown," which will include a gift shop, clothing store, library, listening room, laundromat, canteen for vending machines and a combination beauty-barber shop. The nurses' stations will be developed as neighborhoods. Each neighborhood (nurses station) will have different types of lighting panes, different ceiling tile patterns and different color schemes. The corridors will be named after local streets, providing the residents with a "street address" rather than just a room number.

The walls of the corridors leading to the resident rooms will be decorated with supergraphics suggesting building exteriors.

**Internal Orientation**

There was a great concern for orientation of the residents and the staff within the building. The following steps will be taken to overcome this problem:

- Each neighborhood (nurses station) will have a different color scheme (orange, yellow and blue).
- The designated color will occur in the floor covering and wall decoration of the corridors leading to the neighborhood.
- Each corridor segment leading to resident rooms will have a different lighting pattern, different ceiling tile pattern and different color scheme.
- Each neighborhood will have different types of lighting fixtures creating markedly different atmosphere.

**Construction**

- Structural system: masonry bearing walls and steel joist framed roof.
- Ceiling: suspended acoustical lay-in panels in various sizes and patterns.
- Interior partitions: steel studs and gypsum wallboard.
- Windows: casement wood with insulating glass.

---

**Beth Sholom Home**

**Design Considerations**

It was decided to build a single-story building and limit the number of residents at each nurses' station to 40. The corridors were to be made as short as possible with the nurses' station having ample room around it for organized activities as well as just sitting and "watching the traffic." The typical nursing home has very little activity space and the corridors near the nurses' station become sitting areas, obstructing the traffic. This layout puts the resident rooms on the perimeter and in turn makes the "core" almost windowless. This will be good for energy conservation but it was feared it might have an adverse effect on the staff and residents. For this reason, there will be skylights scattered around the building to bring in natural light. The majority of the bedrooms will be designed for single occupancy with private toilets. There will be 84 single rooms and 18 double occupancy rooms.

**Recreating the City**

A small shopping arcade will be created next to the lobby to suggest "downtown," which will include a gift shop, clothing store, library, listening room, laundromat, canteen for vending machines and a combination beauty-barber shop. The nurses' stations will be developed as neighborhoods. The corridors will be named after local streets, providing the residents with a "street address" rather than just a room number.

The walls of the corridors leading to the resident rooms will be decorated with supergraphics suggesting building exteriors.
Maury High School Athletic Facilities

(From page 47)

are played on the field during off football season. Parking for faculty and the student body has been provided, and a driver's training area with observation tower was also designed for a portion of the site.

A project total of 36,000 square feet of interior space includes 4,000 sq. ft. of alteration work, a lobby at the new outside entrance, public toilets, girls' and boys' locker rooms and showers, a gymnasium and swimming pool.

Both major interior spaces incorporate state-of-the-art concepts and materials in their design. Floor covering in the gym is a special ¼" thick continuous vinyl plastic material with a scuff-resistant polymeric coating applied to the surface, and sun-shading screen mesh was used at the high gym windows to prevent glare on the floor. In addition to the main court layout for regulation basketball games, playing lines are provided for cross-court basketball practice and cross-court volleyball. Folding bleachers are utilized on both sides of the main court.

The enclosed swimming pool is lighted indirectly from the side walls to facilitate lamp replacement and to reduce the amount of reflection from the water surface. For competition swimming, NCAA- and AAU-approved starting platforms and racing lanes are provided. A special wave-reducing perimeter edge was also installed, consisting of cast stone coping, backed up by cast material with continuous slotted drain openings. This type of construction results in an almost immediate absorption of waves, and allows the water line to be even with the surrounding floor level. A further benefit of this system is the ease of pool entry by both the physically handicapped and small children. Elevated spectator seating for competitive events is provided behind a railing along the length of the pool.

W. B. Meredith, II, Inc. of Norfolk was general contractor.

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<td>H &amp; S Plumbing &amp; Heating</td>
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<tr>
<td>Harmer Sound, Inc</td>
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<td>Thomas Harris &amp; Co</td>
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<td>C. F. Hardy Building Corp</td>
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<td>Heywood's Hardware</td>
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<td>Joseph Heflin &amp; Sons Co</td>
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<td>JaBar Construction Co</td>
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<td>R. E. Lee &amp; Son, Inc</td>
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<td>Lone Star Industries, Inc</td>
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<td>Robert S. Lovelace Co, Inc</td>
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<td>Lowe's of Richmond</td>
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<td>&amp; A. C., Inc.</td>
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</tbody>
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