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COVER
On our cover is The Diamond, presented on page 16 of this issue by Baskervill & Son. (Cover photo by Don Eiler Custom Photography)
architectonica

‘Fair Whether’

I am sitting at my daughter Amy’s desk and in front of me is one of those little gilt Eiffel Towers, the kind which the Lavender Hill Mob made famous. This one is not by any means pure gold, but it recalls for Amy the nearly two years she spent in France; such is the value of mementos!

It also triggers for me thoughts of Exposition architecture, particularly those buildings which left trails of influence years beyond the end of the exposition which spawned them. There’s a dry cleaning establishment in Arlington, Va., which still uses the Trylon and Perisphere of the ’39 N.Y. Fair as its logo emblem.

And there’s Bucky Fuller’s geodesic dome, which leaped from obscure intellectual campus to the commonplace after being used as the USA Pavilion at the ’67 Fair in Montreal. Though stretching a definition, Sally Rand’s Chicago ’31 Exposition display of curvilinear architecture launched a generation of creative ecdysiasts. The Spanish Pavilion at the ’64 N.Y. Fair initiated a new dramatic ceiling lighting system now most often seen in elevator cabs. The 1893 Chicago World’s Fair re-wrote the national architectural taste for a generation following, but gave the architectural historians Louis Sullivan’s Transportation Building, that wonderful thematic Phoenix which made the following generation forget Renaissance Revival in turn.

The USA Pavilion at Tokyo gave air-supported buildings a big boost. The Munich Olympics and the German Pavilion at Montreal showcased tension buildings for all the world to experience. The Knoxville mini-fair reinforced this country’s interest in solar energy. It’s too early for the impact of New Orleans to be assessed, but I feel that it was a timely opportunity for many architects to adopt a show-business Mardi Gras approach to color and decoration.

If the truth be known, we architects just LOVE to go to world’s fairs, because they are the sure-fire places to turn on one’s pure creative urges. One need not be encumbered by the need for permanence, or contextual good neighborliness, or the influences of public taste, or the taste of Officialdom. One just pushes the Joy, Whimsy, and Sho-biz buttons and Zap!—out pops architecture built for fun. And a short happy life.

For most of the buildings at world’s fairs and expositions are too jazzy for everyday fare. One would get awfully tired of Show Boat architecture on Main Street day after day. Repeated showings demand subtlety rather than sledge hammers. Architecture with which we live should be different from that which we go visit. Visitor architecture is what expositions are all about.

And therein lies my point: Too many Post-Modern buildings are gaudy quick study objects, designed not so much to live with over time as to make a punchy page in a magazine. Or if they were in their right context in an exposition, to titillate and delight the one-time viewer, rather than he who passes by twice a day 250 times a year. I would rather go back time and again to see the buildings at Williamsburg than to make a repeat visit to Busch Gardens … for the purpose of looking at buildings, mind you. The rides’ area is a different cat!

I have my favorites from among the Fair buildings I’ve seen, and each one seems to reach me in a different way. The IBM building at the ’64 N.Y. Fair was, if you recall, a huge egg-shape on the exterior textured with repeated “IBMs,” inside which, from a rolling grandstand, one viewed 20 fast-moving slide shows shown concurrently. The announcer descended from the overhead strapped to an upside-down periscope hoist in perilous nonchalance!

I saw the Finnish Pavilion as a boy at the ’39 Fair, and it made a lasting impression, as I still remember the wood-surfaced curving interior as
Had not Eiffel expressed its stresses so gracefully, it would have been dismantled the year after. Paris 1889.

something pleasing and novel. I liked the Venezuelan Pavilion at Montreal because it did so much with so little—three huge cubes of different colors, juxtaposed in tight composition. The Cambridge Seven displaywork at Montreal, together with the technological virtuoso motorized sunshades in the geodesic dome panels made a big splash in my memory.

But of all the buildings at five fairs, the sine qua non, for me, was the General Motors "Futurama" at the '39 fair. Albert Kahn and Norman Bel Geddes were responsible for the construction of a believable model panorama of the future, a physical utopia which was so large as to make one forget that there was a building surrounding, and that one was in a moving chair rather than on a magic carpet winging over reality. I believe that the Futurama was one of those self-fulfilling prophesies we hear about. Many designers who experienced that world in miniature carried about with them in an unconscious portfolio the makings of real buildings built after 1946.

There are other memorable and influential buildings which first saw the light of day in an Exposition context. Mies' Barcelona Pavilion is so well known that few realize that it was temporary! George and Fred Keck's little-known but highly influential Solar House. The Crystal Palace from London in 1851, Eiffel's Iron Monster which lives a century after it was supposed to be demolished. The Palace of Fine Arts by Bernard Maybeck in San Francisco is so unique as to have been reconstituted into the city's showpiece from a decrepit ruin.

Would any of the foregoing delights have been built in a context other than some Exposition, where they were adjunct to a larger economic or patriotic purpose? Probably not.

Eason Cross, Jr., FAIA
What Do Cultural and Recreational Facilities Have in Common In Meeting Financial Goals?

In my non-economist’s view, an attendance of five thousand people at possibly eight to ten dollars apiece, once a week at a sports arena, to watch ten you men play basketball for several hours, would appear to be a comfortable income for someone. Right? ... WRONG!! In a ten or twenty thousand seat arena, five thousand is a one way street to economic failure. And so is a fifty thousand attendance in a seventy-five thousand seat stadium, or eighty thousand in a hundred thousand seat coliseum.

When a play opens in a two thousand seat theater and it attracts only a thousand to fifteen hundred each evening, it’s a sure sign of an early closing.

The similarities seem to evidence themselves. A cultural or recreational facility must be 75% or more occupied for an attraction to become economically viable. Somehow it just doesn’t seem cricket to think of all the blood, sweat and tears that go into a theatrical production and then have it seen by hundreds, maybe even thousands every night, only to see it fail (economically that is) because it missed house capacity audiences by five or ten percent. Something is wrong with the pro forma balance sheets, which can only show prospective investors a profit if audiences are always at near capacity. No safety factor of half-filled or even quarter-filled houses are the result. As a consequence, theater productions (or athletic events) must either be super hits or utter failures with no in-betweens!

The architect cannot do anything about super star salaries or abnormally high union demands or inflationary material costs—but maybe the architect can design a facility whose structural and financial carrying costs will not contribute to this economic conundrum. And if activities can succeed in half and quarter empty houses, more and diverse productions will take place, and both those making the productions and those watching them, will be better off!
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The New American House:
Making the Most of Every Square Inch

By Robert Brickhouse

This article is reprinted with permission from the University of Virginia Alumni News

It has a kitchen, a dining area, a living room, two fireplaces, two bedrooms, an upstairs lounge, a separate office, two bathrooms, a washer-dryer, a skylight, solar heat and a private garden. And all within 1,000 square feet, or less than half the size of the average home.

Welcome to "the new American house."

Because of high construction costs, smaller families and the need to conserve energy, urban houses of the future will be more compact than today's, and "every square inch will have to be important," says Carlo Pelliccia, a University of Virginia architecture professor who created one of three winning projects among 346 entries in an international competition for designing "A New American House." In Mr. Pelliccia's design, six houses are grouped together on a conventional city lot that would normally hold only one or two houses.

The competition, sponsored by the Minneapolis College of Art and Design and the National Endowment for the Arts, stressed the importance of integrating the homeowner's place of residence and place of work because of the growing number of people who use their homes as offices or studios. The competition called for the design of "a small, efficient dwelling unit" that could function as both residence and workplace, all within a 1,000-square-foot area.

The units also take into account today's smaller American families and such increasingly common living arrangements as a single parent and child or two unrelated people, said Mr. Pelliccia, a native of Rome who holds a doctorate in architecture from the University of Rome. An artist as well as an architect, he has taught at U.Va. since 1963 and was chairman of the architecture school's division of architecture from 1967 to 1977.

"With the Industrial Revolution and the birth of the modern city, human activities became compartmentalized and the city fragmented," Mr. Pelliccia said. But his New American House design, he added, is similar in spirit to a medieval town, "where one works where he or she lives, with family or friends."

The six houses in his design are meant to be "a small community," and they have their own pedestrian streets. The houses are surrounded by walls and gardens.

An entire city block, holding several such lots, could be designed to leave the corners free for a variety of urban uses such as shops or small public gardens, Mr. Pelliccia said.

In his design, which was exhibited in Minneapolis along with the other winning projects last fall, the dwellings are linked to the separate office-studio by a private enclosed bridge, so that the workplaces are not actually in the residence.

The narrow streets protect against inclement weather, yet "at the same time allow for com-
Carlo Pelliccia

merce and encourage human exchange, relationships, friendships.”

Mr. Pelliccia’s project also includes a communal garden, with a roof terrace, and a communal garage.

A massive fireplace is in each living area and a smaller one is in a lounge shared by two upstairs bedrooms. The office-studio space is large enough to accommodate two offices and could also be linked and shared with other workplaces in the community. The proposed building materials for his house are wood framing, concrete block, stucco and metal roofing.

The scheme also provides for the installation of solar panels on a steeply sloping roof.

The overall design could easily be varied according to individual needs, Mr. Pelliccia said. For example, the fireplace, designed for northern climates, could be eliminated in a warmer setting.

To accommodate many needs within such a small area, Mr. Pelliccia has made use of all available space by, for instance, placing the refrigerator under stairs, squeezing a bathroom onto the bridge to the office and positioning the washer-dryer adjacent to the office so that laundry may be done while a person works.

"The new American house is going to have to be compact," Mr. Pelliccia said. "To meet the needs of the new American family, it will have to be small, affordable and energy efficient.

"It doesn’t have to be oppressive. It can be a pleasant place to live. But it will have to be carefully designed so as to feel bigger than it actually is."

In Mr. Pelliccia’s Design, six houses are grouped on a lot that would normally hold only one or two houses.

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Tidewater Virginia Chapter Presents Three Honor Awards

The Tidewater Virginia Chapter of the American Institute of Architects held its Honor Awards Banquet on June 26, 1985 at the Holiday Inn Executive Center in Virginia Beach. Three awards, two to local architects and one to a private citizen, were presented as follows:

— Walter R. Nexsen, AIA, for Outstanding Service to the Profession
— Clarence W. Meakin, AIA(E), for Outstanding Public Service by an Architect
— Henry Clay Hofheimer, II, for Outstanding Public Service by a Non-Architect

Nominations were made from the general membership to the Honor Awards Chairmen, Michel C. Ashe, AIA. Other members of the committee were: Henry V. Shriver, AIA; Sol William Cohen, AIA; and Edward R. Roehm, AIA, President of the Tidewater Virginia Chapter.

Fine Craftsmanship Honored

The Northern Virginia Chapter of The American Institute of Architects recently honored those craftsmen whose excellent workmanship helped make a particular architectural project all that the architect hoped it would be.

Kerns Group Architects, P.C., of Washington, D.C., nominated TED BONAR and LARRY KANTER of NEON PROJECTS, Washington, D.C., for their outstanding neon signage work on two projects—3624 Prospect Street and Sentiments at Mazza Gallerie. The architects commented that the Mazza Gallerie store was only completed after they were firmly told by others that there was no way it could be done!

VVKR Incorporated of Alexandria selected JOHN WIANT, Cabinetmaker and four apprentices from TOTALLY CUSTOM, INC. of Mt. Rainier, MD. BRAD WILLIS accepted his award along with those for WILLIAM ARSNOW, JOE SIMPSON and TAMMY STORY. Their outstanding workmanship on the reception desk at The American Trucking Associations Headquarters building in Alexandria, which incorporates communication and security systems as well as the building's main directory, was delivered with key material suggestions which reduced the cost of the unit by one-third.

RICHARD C. ADAMS of BEER PRECAST CONCRETE, LTD., of Ontario, Canada, was chosen by VVKR Incorporated for his work as Project Manager for the precast concrete work on The American Trucking Association's Headquarters, which exhibited outstanding quality control of material, consistency of product, color and texture, accuracy of detailing and excellent coordination effort and adherence to construction documents.

VVKR Incorporated also nominated ERNEST GASSER, Masonry Foreman of CAPITAL MASONRY of Richmond, for the outstanding craftsmanship on both the exterior and interior brick and concrete block work on the Virginia Commonwealth University Student Commons building in Richmond.

Lawrence Cook Associates of Falls Church named ROBERT DAVIS, Finish Carpenter, for work done for Cook Construction Management which produced the superb finish carpentry on a surgical suite for Dr. Csaba Magassy of Chevy Chase, MD. Mr. Davis performed in an outstanding manner, directing a team of 26 carpenters in two shifts a day, under difficult site conditions and an extremely tight time schedule.

Goldfarb Featured At Smithsonian

Joanne J. Goldfarb, AIA, principal in the Alexandria firm, Design Plus, Inc., a former Virginia Society, AIA, director and currently secretary of the Northern Virginia Chapter, AIA, recently conducted a lecture series on architecture for the Smithsonian Institution in Washington, D.C. The four-part series titled “Principles of Architectural Design” was given under the auspices of the Smithsonian Resident Associate Program.

Individual lectures discussed “Theories of Architectural Design,” “Looking at Buildings,” “Buildings were Better Built in the Old Days—True or False?” and “Architecture and Social Values.”
NEW FIRMS

Lahendro Establishes Firm in Richmond

Joseph Dye Lahendro has announced the establishment of his own architectural firm, located at St Albans Hall, Suite 309, 300 E. Main St., Richmond, Va. 23219. Mr. Lahendro has previously served as a project architect with Marcellus Wright, Cox and Smith, SWA Architects, and SB Architect. In addition to his extensive experience in new work, Mr. Lahendro has developed a specialization in historic preservation and adaptive reuse. He was architectural conservator with the Association for the Preservation of Virginia Antiquities and has received a Masters in Architectural History from the University of Virginia. While with Marcellus Wright and Smith, Mr. Lahendro performed the historic paint analysis and paint restoration supervision for the old Loew's Theater (now the Carpenter Center) in Richmond. He is a member of the Virginia Society's Historic Architecture Committee. Mr. Lahendro received his Bachelor of Architecture degree from Virginia Polytechnic Institute and State University.

Work presently being performed by Joseph Dye Lahendro, Architect includes the restoration of Abingdon Episcopal Church in Gloucester County, a c. 1775 cross plan Colonial church. The City of Petersburg also recently selected the firm to convert the historic McLlwaine House into a house-museum, and the city's information center.

PERSONNEL AND OFFICE ACTIVITIES

Staff Additions at Evans Hudson Vlattas

Michael Bauer and Michael Beaver have joined the staff of Evans Hudson Vlattas Architects, Inc.

Mr. Bauer is a 1985 graduate of Washington State University, College of Engineering and Architecture in Pullman, Washington. He was listed on the President's Honor Roll at the completion of this thesis project—a Mortuary in San Diego, California.

Evans Hudson Vlattas Architects, Inc. was chosen by Bauer because, "having worked here previously during summer break, I was impressed with the firm's commitment of trying to attain excellence in every aspect of the architectural profession."

Bauer is a Hampton resident and is the son of Lt. Col. Joseph L. and Harriet E. Bauer. He is currently involved with the design of the proposed expansion of Hilltop Shopping Center, Virginia Beach.

Mr. Beaver has joined the firm as a Computer Aided Design and Drafting Technician.

A native of Aloha, Oregon, now residing in Norfolk, Beaver is a graduate of the National Education Center, Phoenix, Arizona.

He is responsible for operating the firm's Hewlett-Packard CADD System, and is currently involved in the production of construction documents on several projects for the U.S. Navy in Guantanamo Bay, Cuba.

Evans Hudson Vlattas Architects, Inc. completes construction drawings on their computer system on all projects, according to Beaver, which "places me, the rest of the staff and the firm at the leading edge of architectural technology."

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VIRGINIA RECORD/SEPTEMBER/OCTOBER 1985 11
De Stefano to Head Firm's Richmond Office

Robert E. Washington, Chairman of Washington Associates, Inc., Norfolk, has announced the addition of Frank De Stefano, AIA as Office Manager of the architectural firm's Richmond office.

De Stefano comes to Washington Associates with more than 20 years experience and was the former President of the North Carolina architectural firm of Architecture, Inc. His responsibilities in the Richmond office will include overseeing all operations and maintaining client contacts.

A graduate in architecture from Kansas State University, De Stefano is a member of the American Institute of Architects, the Construction Specifications Institute, the Homebuilders Association and the American Public Works Association. He also served as President and a member of the Board of Directors for the North Carolina Chapter of the AIA. He is certified by the National Council of Architectural Registration Boards.

Active in community organizations, De Stefano is a member of the United Fund, Rotary, and Boy Scouts of America. He and his wife, Jean, and four children live in Chesterfield County.

Washington Associates, Inc. employs 40 people, was founded in 1970 and currently maintains offices in Norfolk and Richmond. The Norfolk office is located in the Financial District on West York Street and the Richmond office is in the Heritage Building on Main Street.

Office Relocation

The firm of HTB, Inc., Architects-Engineers-Planners has announced the relocation of its Washington office to 545 National Press Building, Washington, DC 20045. Their phone number remains (202) 628-2957.

Mumtaz Named Director of Center For International Development

Babar K. Mumtaz, deputy director of the Development Planning Unit at University College in London, has been named director of the college's Center for International Development.

Mumtaz, who holds degrees in architecture and development economics, is the author of several publications on development, planning and housing.

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an undergraduate degree in the history of art from Yale, graduating magna cum laude.

Earlier this year, he became the first U.S. scholar named to membership in the Center for Hispanic-American Studies, an organization in Argentina devoted to advanced study and research in arts and sciences related to the historic heritage of Spain and the Americas.

The new center director has spent several summers supervising restoration projects of the colonial city of Santa Fe la Vieja in Argentina and the church and monastery of San Francisco in Lima, Peru. He also is the author of several books and articles on architectural and art history.
NEW MEMBERS

ELIEL ALFON, Associate
Northern Virginia Chapter
With Henningson, Durham & Richardson, Inc.
Alexandria

JOHN M. REUTHER, AIA
Tidewater Virginia Chapter
With Division Naval Facilities Engineering Command
Norfolk Naval Station

MANUEL L. OLANO, AIA
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GEORGE S. SOUTHWELL, Associate
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JEFFREY L. PITCHFORD, Associate
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BACKGROUND

In 1954, Richmond lured a Triple-A baseball team to play at Parker Field. Thirty years later, Richmond came very close to losing its very successful minor league team "The Richmond Braves." The reason was not because of the lack of support from the community, but rather the facility, Parker Field, had become run-down and required extensive repairs.

In January 1983, it appeared that Richmond would be without their minor league team. The Atlanta Braves were giving serious consideration to moving the team. Mr. Richard Anderson contacted Mr. Carlton Moffatt, then president of the Metro Richmond Chamber of Commerce. Several meetings occurred and in May 1983 the Stadium Operating Committee was formed with Mr. Richard Hollander as chairman and Mr. Robert S. Ukrop as finance chairman.

On March 29, 1984, the committee announced that a new baseball facility would be constructed. Three jurisdictions, City of Richmond, Chesterfield and Henrico County, which supported the concept from the start, committed $4 million. The remaining $4 million was to be raised from private sources and Mr. Ukrop began the successful selling of the stadium to the community.

From March 29, 1984 to July 24, 1984, a design/build competition was held by the committee to select the architectural and contracting team. On July 2, 1984 the committee met to select the best design solution and Baskervill & Son's
design was selected. On July 24, 1984, the bids were opened and McDevitt & Street was awarded the construction contract. On September 4, 1984 construction began with the demolition of the old stadium and on April 17, 1985 the first game was played to a sell out crowd.

SITE
"The Diamond" is located on the previous Parker Field site, and is built around the existing building field. The facility is on the northside of Richmond and is visible from Interstate 95 and 195.

PROGRAM
The process for "The Diamond" was a design/build competition for a new 12,500 seat stadium. The primary design objective was good visibility for all 12,500 spectators, while creating a sense of closeness to the playing field, similar to the old Parker Field. In addition to design considerations, construction cost and time of construction were of primary importance.

DESIGN SOLUTION
The main access to the Stadium is designed to provide a grand sense of entrance. After ticketing and passing through turnstyles, the spectator passes across a broad plaza up a short flight of stairs to a large open central space complete with fountain and flanked by stairs to the upper concourse. Handicapped access is via a slight ramp down to "grade level," where an elevator is available to the main and upper concourses.

The solution provides a very compact stadium with 12,500 seats on the home plate side of the line between first and third bases. This results in a very intimate setting, where fans are "close to the action." The concourse areas provide varied and exciting spaces which are protected from the elements by the upper grandstand. The resultant space is exciting and truly multi-use for such functions as art exhibits, community and social events, and specialty shows.

CONSTRUCTION
The major material used to express the concept is concrete, both cast-in-place and precast post-tensioned. An aluminum metal roof, integrally colored concrete masonry units, and exterior ceramic tile complete the pallet of beautiful low maintenance materials for the stadium.

The upper grandstand's concrete bents soar above the main and upper concourses and are supported by "V" shaped columns sitting on one-story buttresses. Between the buttresses are planted berms screening the activities on the grade level.

CONSTRUCTION CREDITS
McDevitt & Street Company of Richmond was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS
(Richmond firms unless noted)
D. H. Griffin Wrecking Co., Inc., Greensboro, NC, demolition; Lone Star Cement, Inc., concrete supplier; Economy Forms Corp., precast formwork; Capital Masonry Corp., masonry contractor; J. D. Wilkins Co., Greensboro, NC, miscellaneous metal; Bass Steel Buildings Corp., roofing; W. W. Nash & Sons, Inc., insulation; Richmond Primoid, Inc., caulking, waterproofing & Neogard roof coating; Perkins & Glass, Inc., glazing contractor; and Roanoke Engineering Sales Co., Inc., metal doors & frames.

Also, Architectural Hardware, Inc., hardware supplier; A. Bertozzi, Inc., gypsum board contractor; H. E. Satterwhite, Inc., structural (glazed) tile; Manso & Utley, Inc., acoustical treatment; Superior Floor Covering, Inc., carpet; Glidewell Brothers, Inc., painting contractor; J. H. Pence Co., seating; Winteringhouse Elevator Co., elevator; Dagenhart Sprinkler Co., sprinkler contractor; William H. White, Jr., Inc., plumbing/heating/venting/air conditioning contractor; and Ben Collier Electrical Contractors, Inc., electrical contractor.


Others were: Martin Metalfab, Inc., lockers; Forge Fence Co., Inc., Providence Forge fencing contractor; Jarvis Sound Corporation, sound system; Andco Industries Corp., Greensboro, NC, signage; and Hodges Signs, exterior signage.
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The Diamond

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Phone 285-1616
General Contractor for the Tuckaway Harbor
Day Care Center featured in this issue.
Tuckaway Harbor Day Care Center
W. Canova Peterson, Architects

Location: Hanover County

Owners, Karlis and Beverly Graubics • Project Architect/Designer, W. Canova Peterson • Site Engineer/Surveyor, Holly & Spain Ltd., P.C. • Structural/Mechanical/Electrical Engineer, the Architects • General Contractor, William E. Kindervater, Inc. • Photography, Leigh Taylor.

The Tuckaway Harbor Day Care Center, located on seven rolling acres of land in eastern Hanover County, is a result of the vision of Karlis and Beverly Graubics who perceived the need for quality child care and training in the rapidly expanding Mechanicsville area. They noted that today's contemporary environment often demands full time employment for both parents of many young families, making adequate child care a primary issue in their lives.

Their response to the resolution of this issue was to avoid the temptation to provide an institutional type holding area for the children where indoor activities and limited outdoor activities are the norm. Instead, they acquired a site of adequate size to meet the needs of their philosophy and instructed the architects to design the facilities to be alive with a full range of educational and physical activities and to encourage the fullest development of the children placed in their care. The architects were also required to consider the emotional needs of the children by providing a residential atmosphere approaching that of their own homes.

In keeping with this philosophy, the site selected is in the vicinity of one of the community's ele-
mentary schools and is surrounded by rural and residential development allowing many of the children the opportunity to remain in the familiar surroundings of their own neighborhood.

In response to heavy emphasis on both indoor and outdoor activities, the architects designed the facilities to provide full interaction between interior and exterior spaces. All activity spaces are open to and have direct access to exterior activity areas consisting of paved area for tennis, basketball, etc., lawn and playground areas and swimming pools for recreation and instruction. In addition, direct access is provided to two covered outdoor activity areas allowing continued programs during inclement weather.

The design of the building was determined jointly by the function and the specified requirement of maintaining a warm inviting residential atmosphere. Concrete split face masonry walls were used to define the activity areas surrounding the administrative and service core of the building. These walls terminate two feet below the ceiling to accommodate continuous clerestory windows which provide daylighting while maintaining full usable wall surface. In addition, the clerestory develops a light floating appearance for the entire roof structure, enhancing the interior/exterior relationship.

Materials and methods of construction throughout were based on child safety, ease of maintenance, economy and aesthetic appeal. Exterior surfaces were designed of split face masonry, accented with strip lapped cedar siding and glass. Interior vertical surfaces consist of gypsum wall board, concrete masonry and glass. Floor surfaces are carpet and vinyl tile designed to define the various activity areas. Ceilings, throughout, are suspended acoustic except in the multi-purpose room where a vaulted gypsum ceiling is penetrated by domed skylights between exposed heavy timber beams.

The facilities have been in operation at full capacity since the fall of 1984 when the Graubics' vision for maximum service child care was realized.
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Virginia Record/September/October 1985 23
Children's Farm, Maymont Park
SB Architect

Location: Richmond

Landscape Consultant, Earth Design Associates • Structural Consultant, McKinney & Walker • Mechanical/Electrical Consultant, Energy Consultants, Inc. • Construction Manager, Fred Murray—Maymont Foundation • Construction Supervision, Taylor & Parrish, Inc. • Photography, Whitney Cox.

Located near the Spottswood entrance of Maymont Park, the Children's Farm is intended to exhibit Virginia farm animals, house interpretative displays, provide a place for demonstrations, and offer a "hands-on" experience to visitors. In addition to the educational and exhibition aspects of the program, the building provides a base for the eastern part of the park with a staff office and telephone, restrooms, and information about the whole park.

The only new structure in the entire park, the other buildings being part of the original estate built by Major Dooley in the 19th century. Functionally the building provides a home to a variety of animals ranging in size from rabbits and chickens to horses and cows, and it provides a safe environment for human visitors to observe and interact with the animals.

The design imagery has roots in vernacular rural architecture common in Virginia in the last century. The building is composed of two wings—a barn wing and an office/toilet wing, at right angles to each other forming an "L" with a breezeway at the connection. The breezeway forms the entrance to the complex and the "L" partially encloses a "barnyard" which is defined by fenced paddocks on the open side. The building is sited near the crest of a ridge with the paddocks falling off down the hill side from the barnyard which offers a spectacular view of the old estate mansion on the opposite ridge across a small valley.

The Maymont Foundation is committed to environmental education, and pursuant to this commitment, energy saving strategies were employed where possible. The office/toilet wing is heated by a passive solar "Trombe wall." Hot water is provided by an active solar collector system. The various components of these systems are displayed and explained to visitors; thus the building itself becomes an active exhibit, not merely an enclosure housing exhibits.

Taylor & Parrish, Inc. of Richmond handled construction supervision for the project.

SUBCONTRACTORS & SUPPLIERS
(Richmond firms unless noted)
Harris Excavating Co., Mechanicsville, site-work; Umbaugh Building Co., Fredericksburg, structure & enclosure & wood supplier; N. B. Goodwyn & Sons, Inc., Chesterfield, wood supplier; Robert E. Lee Masonry, masonry contractor; Onduline Roofing (donated); Heiberger-Smith, Inc., carpentry; Pleasants Hardware, hardware supplier; Reynolds Metals Co., solar hot water system; The Trane Co. and Equipment Sales Co., Inc., mechanical suppliers; Baker & Hazlewood Mechanical Contractors, Inc., mechanical contractor; General Electric Supply Co., electrical equipment supplier; Cornell & Waldbauer, electrical contractor; Winebarger Corp., Lynchburg, church furniture; and McIlvain Lumber Co., Baltimore, MD, exterior yellow poplar siding and trim.
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November 5
Burkwood Recreation Association
Freeman and Morgan, PC—Architects

Multi-Use Clubhouse • Location: Hanover

Project Architect, John Morgan, AIA • Structural Engineer, Dunbar, Milby & Williams • Civil Engineer, Holly, Spain, Sutton & March, P.C. • Construction Management, Resource International—Mike Fiore, P.C. • General Contractor, Brooks & Company General Contractors, Inc.—Project Manager, Ken C. Magalis, AIA • Story by James C. Wall, III • Photography, Ken C. Magalis, AIA.

Program
Burkwood Recreation Association wanted to add an impressive multi-use clubhouse to their recreational facilities, located on 23 acres off State Route 606 in Hanover County, and remain within a limited project budget. The owners required a building that would fill their needs for meetings, entertainment, fitness programs, food preparation, storage and complement their existing facilities.

Site
The site is located on a sloping wooded lot in a residential neighborhood of Hanover County.

Solution
The design solution is a contemporary structure with an open great room with a large loft above, full basement and two, two-story wings. The building is located in close proximity to two existing pools with its two wings at wide angles so that the building forms a spread "V" thereby focusing views on pools and providing privacy from the entrance road yet retaining the rustic, naturalized appearance.

Forty-four foot TGI truss joist permit an open floor plan with a 35'-10"x54' great room. Located at one end of the great room is a white oak dance floor, at the other end an operable wall allows the space to be partitioned off for meetings. The back of the great room is a series of sliding glass doors which open onto an exposed aggregate deck leading to the swimming pools. A 14'-6"x42' balcony runs the length of the great room and also has a series of sliding glass doors on the pool side which opens onto a large wooden deck overlooking the pools. The building's north wing has a complete kitchen on its main floor serving the patio and great room and the second floor of the wing is used as a meeting room. The building's south wing houses the facility's restrooms on the main floor with meeting space on the second floor. An ample exercise facility with weight machines is located in the partially finished lower level; future recreational areas will be developed in the remaining vacant space.

The building was constructed using a fast track design/build approach. It is worth noting that AIA members were on both the Architectural and Building parties. Construction documents
were prepared by Freeman & Morgan with Brooks & Co., Inc. working closely with the architect to provide construction costs on various design/alternatives in order to bring the project within the scope of the owner's budget and program requirements. Once the parties reached agreement on the basic building, construction began with the various interior finishes and other features being negotiated as the building progressed. The solution used the team concept and promoted an attitude of cooperation through the initial stages of the project to its completion. Once construction began, the project architect took a predominately hands off stance and the construction administration was performed by the owner and constructor.

The completed building including deck and patio encompasses a total of 8975 square feet at a cost of $30.00 per square foot.

Brooks & Company General Contractors, Inc. of Ashland, was general contractor for the project, and handled excavating, concrete & landscaping.

SUBCONTRACTORS & SUPPLIERS
(Richmond firms unless noted)

Also, Alexander Waterproofing Co., waterproofing; Andersen Windowalls, Bayport, MN, windows; Pleasants Hardware, hollow metal, hardware, toilet partitions & accessories supplier; Virginia Wallboard Construction, Inc., Mechanicsville, drywall contractor; Walkers Carpets & Interiors, carpet & acoustical contractor; Cesten Floors, Inc., wood flooring contractor; PDS, painting contractor; M. A. Bruder & Sons, Inc., MAB Paints; Barranger & Co., Inc., operable wall contractor; Heritage Mechanical, Inc., Ashland, plumbing contractor; Varina Refrigeration Service, Inc., heating/ventilating/air conditioning contractor; and Tate & Hill, Inc., electrical contractor.

were prepared by Freeman & Morgan with Brooks & Co., Inc. working closely with the architect to provide construction costs on various design/alternatives in order to bring the project within the scope of the owner's budget and program requirements. Once the parties reached agreement on the basic building, construction began with the various interior finishes and other features being negotiated as the building progressed. The solution used the team concept and promoted an attitude of cooperation through the initial stages of the project to its completion. Once construction began, the project architect took a predominately hands off stance and the construction administration was performed by the owner and constructor.
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- The Diamond
- The Collegiate Schools Athletic Complex
- Tuckaway Harbor Day Care Center

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Athletic Complex
Carneal & Johnston, Architects & Engineers, PC

Location: The Collegiate Schools, Richmond

A growing athletic program rapidly expanding into several areas of indoor activities and a need to provide adequate space for very crowded existing facilities, were the main factors leading The Collegiate Schools to plan the development of this new building.

Located in a suburban area of metropolitan Richmond, in Henrico County, The Collegiate Schools occupy an area of approximately 50 acres. Fields for football, track, baseball, soccer, lacrosse and field hockey are of prime importance to the outdoor sports program. It was, therefore, very important to limit the new building area to a location where none of these major fields would have to be sacrificed.

The existing gymnasium, built in the early 1960s, was the major athletic facility for the entire school. In it were housed physical educa-
tion programs, team sports for both boys and girls as well as all the accessory facilities such as coaches’ offices, training room, visitors’ lockers, weight training and storage.

It was decided early in the planning process to use an area adjacent to the existing gymnasium in an effort to attain two goals:

1. To centralize all the main facilities in one area convenient to all the playing fields and, in effect, make the two buildings work as one.
2. To limit the amount of land used by the new building, thus preserving the playing fields.

Space needs were listed and priorities established. When these were compared against the construction budget goal, it was determined that the complete long range project would have to be built in two phases. After several schematic studies prepared by the architects, an interesting development evolved. Instead of erecting a large building for the activities requiring a high ceiling and an attached, low roof structure for the locker and shower facility, the architects presented a scheme which, although slightly more ambitious in scope and cost, offered the potential of building most of the facilities proposed for both Phase I and the future Phase II. This plan was eventually approved and built.

The two major, high-ceiling areas (Gymnastics and Basketball) were divided. Separating them, a two-story central core was developed to include the originally proposed locker/shower, offices, training room and storage areas on the first floor and now, a second floor area to house Phase II needs such as wrestling room, weight training room, a classroom and a complete dance and aerobics studio.

At the first floor level, two 12-foot-wide passages were incorporated to allow for entrances and circulation, at the same time creating an indoor jogging track as well as a 50-yard dash run.

Space demands on the original gymnasium have now diminished greatly and renovation work has provided needed space for a central laundry facility as well as a new visiting team locker room.

Collegiate is now able to handle a very wide variety of activities between the two buildings. The large multi-purpose space in the new building is designed to accommodate basketball, tennis, volleyball, indoor practice area for lacrosse, field hockey and soccer, pole vaulting/high jump, as well as allowing the school to schedule special events with a seating capacity of 1,300 people.

The use of insulated translucent panels at the north and south ends of the building, together with roof skylights, allows for a great reduction in energy use by providing plenty of natural daylight. This creates a cheerful and bright atmosphere throughout the entire building. The school colors have also served to enhance this feeling, as they were used to set the general color scheme on the athletic carpet flooring material as well as applied graphics throughout.

Conquest, Moncure & Dunn, Inc. of Richmond was general contractor and handled excavating and carpentry.

SUBCONTRACTORS & SUPPLIERS
(Richmond firms unless noted)
F. G. Pruitt, Inc., paving contractor, earthwork & site utilities; Frank N. B. Thomas Concrete, Glen Allen, concrete contractor; Bowker & Roden, Inc., reinforcing; Massey Concrete Corp., concrete supplier; Southern Brick Contractors, Inc., masonry supplier; Liphart Steel Co., Inc., steel supplier/erection/joyts/roof deck, grating & other roof deck; N. W. Martin & Bros., Inc., built-up roof, other roofing & roof insulation; and Ruffin & Payne, Inc., millwork.


Anchor of Hope Family Center
Frantz & Chappelear—Architect

Location: High Street Baptist Church, Roanoke

Interior Designer, Frantz & Chappelear • Structural Engineer, Richard L. Williams • Mechanical/Electrical Engineer, Charles D. Keffer, II • General Contractor, Branch & Associates, Inc. • Photography, Frantz & Chappelear.

High Street Baptist Church, which moved from downtown Roanoke to the present location in 1971, will celebrate its centennial anniversary in November 1985. Completion of the Family Center will be the highlight of the church’s celebration. The church’s pastor, Dr. Noel C. Taylor, who is also mayor of Roanoke, says that the Center will permit the church to better serve the religious, cultural, social, and recreational needs of its members and the community.

The three-story, 28,000-sq.-ft. building is being constructed on a gently sloping site, adjacent to the existing church. The two structures will be connected at the first and second floor levels by an enclosed corridor. At the rear, the new structure will be separated from the existing building by an open court enclosed with a steel rail fence. The landscaped site will provide parking for 115 vehicles.

The first floor of the Center will have a library, choir rehearsal and recording facilities, a credit union suite, arts and crafts center, assembly rooms with an outdoor covered terrace, locker and shower facilities, and mechanical equipment space. The major feature of the second floor will be a gymtorium which will have a regulation-size basketball court and will provide facilities for roller skating and other indoor sports. The multi-purpose space will have an elevated stage, exercise room and complete kitchen with serving and dishwashing facilities. The gym floor will accommodate 400 for meetings and 380 for banquets.

The church offices, security and control center, pastor’s study and conference room, TV and game parlor, and lounge areas will also be located on the second floor. The third floor, which will be served by the elevator, will have a paved outdoor roof terrace for meetings and dining, and an apartment for visiting dignitaries.

The structural system is steel frame with concrete floor slabs. Exterior walls are brick, steel studs and drywall, and concrete masonry units. Interior partitions are steel studs with drywall, and concrete masonry units. Floor finishes are stone, wood, quarry tile and vinyl asbestos tile. Ceilings are acoustical tile and drywall. Exterior entrances and windows are aluminum with insulating glass. Interior doors are wood with steel frames. The building is heated and cooled with heat pumps.

SUBCONTRACTORS & SUPPLIERS
(Roanoke firms unless noted)
Thomas Brothers, Inc., Salem, excavating; Adams Construction Co., paving contractor; Bolling Steel Co., Inc., Salem, steel supplier/joists/roof deck; Concrete Ready Mix Corp., concrete supplier; Masonry Contractors, Inc., Salem, masonry contractor; Webster Brick Co., masonry supplier; Fabricated Metals Industries, Inc., miscellaneous metal; and Blankenship Roofing Co., Inc., roofing, roof insulation & sheet metal.

Branch & Associates, Inc. of Roanoke is general contractor and is handling concrete work, and carpentry.


Others are, Costen Floors, Inc., Richmond, wood flooring; Star City Painting Contractor, painting contractor; Devoe & Raynolds Co., Inc., paint supplier/manufacturer; Dover Elevator Co., Greensboro, NC, elevator; Magic City Sprinkler, Inc., sprinkler contractor; Valley Air Conditioning Corp., plumbing/heating/ventilating/air conditioning contractor; Mason H. Littreal Electrical Contractor, Inc., electrical contractor; Davis Products Co., Dowagiac, MI, kitchen unit; Marcor Associates, Inc., Midlothian, skylight; Stout Door Corp., Salem, toilet partitions & accessories; John N. Yauger & Co., folding partitions; and John W. Taylor Co., Port Washington, MD, scoreboard.

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ARThUR W. MCKINNEY, P.E.
BENJAMIN R. WALKER, P.E.
Glen Lea Elementary School
Joseph Ladd & Associates, Architects

Multi-purpose addition • Location: Henrico County

Project Architect/Designer & Interior Designer, Joseph Ladd & Associates • Civil Engineer, Jordan & Hutcherson, Inc. • Structural Engineer, McKinney & Walker • Mechanical/Electrical Engineer, Roache, Mercer & Faison, Inc. • Geotechnical Engineer, Froehling & Robertson, Inc. • General Contractor, R. I. Contractors Co., Inc. • Photography, Whitney Cox.

PROGRAM
Create a multi-purpose and classroom facility to accommodate students and neighborhood activities.

SITE
Flat land with unrestricted southern exposure located adjacent to the intersection of Laburnum and Austin Avenues in eastern Henrico County.

SOLUTION
One of the prime design considerations was to take full advantage of the southern exposure. Thus, this is the first passive solar application for Henrico County Public Schools. Clerestory fenestration in winter permits the sun to penetrate the building. This thermal load is absorbed and stored in a warm, pecan-colored brick wainscot running the full length of the building. In late afternoon and evening this heat is released which provides over 15% of the total annual energy required to maintain a proper
interior environment. Such savings will continue to be realized year after year. No premium cost was incurred by virtue of the passive solar design. A covered walkway connects the multi-purpose spaces to the existing facility. Controlled bus loading/unloading and new parking areas complement the site. The project was completed in February 1984.

CONSTRUCTION CREDITS
R. I. Contractors Co., Inc. of Richmond was general contractor and handled foundations, concrete work, foundation insulation, carpentry, millwork and gypsum board installation.

SUBCONTRACTORS & SUPPLIERS
(Richmond firms unless noted)
J. E. Liesfeld Contractor, Inc., excavating, landscaping materials & landscaping contractor; Blakemore Construction Corp., paving contractor; Bowker & Roden, Inc., reinforcing; Richmond Ready-Mix Corp., concrete supplier; C. A. Guard Masonry Contractor, Inc., masonry contractor/supplier, mortar & wall insulation; Hanover Fabricators, Ashland, roof deck; Browning Steel Co., Inc., miscellaneous metal; N. W. Martin & Bros., Inc., roofing; and TMS Builders Supply, cabinets & wood doors.
Also, E. S. Chappell & Son, Inc., caulking; J. S. Archer Co., Inc., metal doors & frames, windows & hardware supplier; Kalwall Corp., Manchester, NH, window wall; H. E. Satterwhite, Inc., ceramic tile; L & M Tile & Floor Covering Co., Inc., Highland Springs, acoustical treatment & resilient tile; Street & Branch, Inc., painting contractor; Hanover Mechanical, Inc., G. Allen, sprinkler/plumbing contractor & plumbing fixture supplier; Mayhew & Chalkley, Inc., Ashland, heating/ventilating/air conditioning contractor; and Dominion Electrical, Inc., Ashland, lighting fixtures/electrical equipment supplier & electrical contractor.

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We are extremely proud of our work as Consulting Structural Engineers for Smith Mountain Lake State Park, Phase I and Anchor of Hope Family Center at High Street Baptist Church, currently featured.
Smith Mountain Lake State Park
Frantz & Chappelear—Architect

Phase I • Location: Bedford County

Interior Designer, Frantz & Chappelear • Structural Engineer, Richard L. Williams • Mechanical/Electrical Engineer, Sowers, Rodes & Whitescarver • General Contractor, H. A. Gross, Inc. • Photography, Frantz & Chappelear.

Smith Mountain Lake State Park is located 35 miles southeast of Roanoke in Bedford and Franklin counties on 1,227 acres of heavily wooded rolling land. The park site consists of a number of peninsulas, irregular in shape, fronting on the man-made 20,000-acre Smith Mountain Lake developed by Appalachian Power Company. The park is a natural haven for wildlife, including deer, turkey, grouse and rabbits, and boating and fishing are major attractions of the lake. Access to the park is via Virginia Route 626.

One of the major objectives in developing the master plan for the park was to retain the natural character and beauty of the area, and, at the same time, provide adequate and easily accessible facilities for the use of visitors. All projects
were carefully located to blend with the topography and landscape, and utilities were routed so that they would not disturb the natural setting. Grading was held to a minimum, and trees and vegetation were removed only to the extent necessary to provide visual contact with the lake and surrounding mountains.

Phase I projects include an entrance contact station, park office, staff residence, maintenance area, nature interpretive center, boat launch facilities, comfort stations, picnic areas, nature trails, road improvements, and site development. Future projects will include camping sites, a bath house and swimming facilities, a marina, play areas, and additional comfort stations, picnic areas, nature trails and parking facilities.

The buildings are small in scale and were designed to blend with the surrounding area. The structures are wood frame with concrete slabs on grade. Exterior materials are rough finish, gravel, asphalt, and metal. Interior materials include textured plywood siding with a semi-transparent stain finish; heavily textured asphalt roof shingles; and doors, windows, roof fascias and overhangs of painted wood. Interior partitions are painted concrete masonry units and drywall. Floor finishes are vinyl asbestos tile and quarry tile. Ceilings are acoustical tile and painted drywall. Interior doors are wood with steel frames. The buildings are heated and cooled with electric units. Domestic water is supplied by wells with storage tanks. Well water systems are enclosed in well houses designed to harmonize with the other buildings, and storage tanks are screened with vertical wood board fences.

H. A. Gross, Inc. of Roanoke was general contractor and handled plumbing, heating, ventilating and air conditioning.

SUBCONTRACTORS & SUPPLIERS
Russell Short, Inc., Vinton, grading; John A. Hall & Co., Inc., Roanoke, paving contractor; Bedford Ready Mix, Bedford, concrete supplier; Lightning Block Co., Inc., Lynchburg, masonry manufacturer; Curtis Jyap, stonework contractor; Valley Roofing Corp., Roanoke, built-up roof; Johns-Manville, roofing shingles; Owens-Corning Fiberglas, roof/wall/foundation insulation; and McClung Lumber Co., Salem, structural wood, millwork, cabinets, wood doors & plywood siding.

Also, Tremco Maintenance Service Corp., Cleveland, OH, caulking; Martinsville Glass Co., Martinsville, glass; Penzesta Corp., Erie, PA, metal doors & frames; Pella Window & Door Co., Greensboro, NC, windows; Cates-Context Co., hardware supplier; Harman Ceiling & Partition Co., Roanoke, plaster contractor, gypsum board contractor & acoustical treatment; Anderson Tile Co., ceramic tile; W. E. Donald, Vinton, painting contractor; Devoe & Raynolds Co., Inc., Roanoke, paint supplier; and Tomlinson Fire Protection System, Roanoke, sprinkler contractor.


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Over the next several years the American Cancer Society will be conducting more research into certain lifestyles and exposures which could increase cancer mortality.
So know the risks.
Don’t smoke.
Look for the warning signs of cancer.
And retire not only with a gold ticker.
But a healthy one, also.

Some people retire with more than just a gold watch.

How you live may save your life.

This space contributed as a public service.
Eddy Dalton Campground
Michael J. Bednar, AIA, Architect

Phase I • Location: Central Virginia Training Center, Lynchburg

Landscape Architect, E. I. Design Associates • Structural Engineer, Dunbar, Milby & Williams • General Contractor, Smith-Wimer, Inc. • Photography, Michael J. Bednar, AIA.

For the mentally handicapped, the recreational value of a campground experience is an important relief from the discipline of the institutional setting. Added to this is the value in terms of training, education and therapy. At The Central Virginia Training Center, small groups of residents were transported to nearby campgrounds to benefit from this experience. With the support of parent groups, Eddy Dalton (the Governor’s wife), and the professional staff, the concept to develop a campground on an eight-acre corner of the institution’s grounds was initiated.

Since the project was largely without precedent in this county, a complete programming and master planning study was necessary. This entailed a user needs assessment of this unique population group and an activity analysis to implement the goals and objectives of the project. Staff meetings, workshops and surveys were conducted to develop the campground program. Parallel in time, a thorough site analysis was conducted, encompassing the topography, visual qualities, existing conditions, vegetation and site suitability. The Master Plan developed from this process zoned activities according to dominant site characteristics with the residential facilities around a level plateau, the physical games in a large open field, and the nature trails within the wooded slopes along the stream which bordered the site. The buildings included in this Master Plan were four cabins, a dining hall, a family lodge, and an open air pavilion.

The presently constructed Phase I of this project includes two cabins, the dining hall and basic site work (roads, lawns and utilities). The placement of buildings reinforces the definition of the central green by nestling in the mature woods which define it. The dining hall is located at the apex of this triangular green which now accommodates the campfire and lawn games. In the future, it will contain a spray pool and specially designed play equipment. A drive circles this zone and provides required vehicular access for transporting residents, food and equipment.

Each building has a porch which faces the green to provide transition from outside to inside and to establish architectural continuity from building to building. The cabins are spatially layered
from public to private, proceeding from porch to living room to hallway to bedrooms, which face the woods. Each cabin accommodates 24 ambulatory residents (one institutional ward) in bunk beds or 12 non-ambulatory residents in single beds. The dining hall which seats 30 will not be enlarged in Phase II, but will instead utilize several shifts. Its main room can be used for many kinds of large group activities including movies, dances and parties. Every aspect of all buildings has been designed to be barrier-free for non-ambulatory and otherwise handicapped residents.

Architecturally, the buildings are of a vernacular, residential character with shed roofs and vertical grooved facades to reduce their scale, whereas the dining hall has simplified massing and a symmetrical facade, to heighten its significance as the focal building. Interiors are rustic and spatially open with high sloped ceilings and exposed laminated beams in the dining hall. Walls and ceilings are covered with vertical grooved, pine plywood paneling which was treated with fire retardant before staining. The buildings have no mechanical systems in order to reduce the construction cost, preserve the campground quality, and reduce operating energy. The campground operates for 10 months a year with heating from wood stoves and natural cross ventilation via louvers or windows placed high in the spaces.

Phase I was completed in the summer of 1983 for a base cost of $126,000 or $22.22 per constructed square foot.

Smith-Wimer, Inc. of Lynchburg was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS
(Lynchburg firms unless noted)
Taylor Brothers, Inc., millwork, windows & framing lumber; Bailey-Spencer Hardware Co., Inc., builders hardware; Frazier’s Furniture & Appliances, appliances; England’s Stove Works, Inc., wood stoves; Rocco Building Supplies, Inc., Harrisonburg, shingles & sheet metal; Lynchburg Ready Mix Concrete Co., Inc., concrete; and Lee’s Lines, Ltd., Roanoke, toilet accessories & specialties.

Also, Mole Excavating, Monroe, grading; Pribble Plumbing, Inc., Forest, site utilities; Torrance’s Plumbing Co., plumbing; Crist Electrical Contractor, Inc., Forest, electrical; The Floor Show, Inc., tile; Bernard E. Almond, Inc., painting; Ralph Moseley, Inc., insulation; Kidd Roofing Co., Madison Heights, roofing; Maintenance Sheet Metal, Inc., Roanoke and Action Fire Protection Co., fire suppression system; Marvin V. Templeton & Sons, Inc., paving; and Sherwin Williams Co., wallpaper.
VDHT Rest Area—Information Centers
Carneal & Johnston, Architects & Engineers, PC

Location: Interstate 77, Bland & Carroll Counties

Project Architect/Designer, Carlos H. Costas
- Landscape Architect/Site Engineer/Surveyor, Virginia Department of Highways and Transportation (VDHT)
- Structural Engineer, Carneal & Johnston
- Mechanical/Electrical Engineer, CEK, Inc.
- General Contractor, Corte Company, Inc.
- Photography: Bland County—VDHT; Carroll County—Kenneth E. Bunch.

PROGRAM
The Virginia Department of Highways and Transportation, in expanding their net of interstate highway rest areas and visitor information centers, wished to add two new units in southwest Virginia. Part of the program criteria was a desire to depart from the present design standard and develop a building that would be representative of that geographic area.

SITE
The two sites involved are both along Interstate 77, one in Bland County at the West Virginia state line and the other in Carroll County at the North Carolina state line.

DESIGN SOLUTION
Each complex consists of two separate buildings: the rest-room building and the information building. In each case, the arrangement of the buildings on the site varied due to topographical differences. The buildings are served by convenient and ample parking facilities as well as an attractively landscaped picnic area.

The basic building shape is reminiscent of farm buildings and it was decided early in the design stages to utilize stone and wood as the main building materials.

In the information building, the main space is devoted to making the visitor aware of the special attractions in the area as well as other areas.
CARROLL COUNTY

of Virginia and for the distribution of printed, informational material by the staff of the Virginia Division of Tourism. Office and administrative spaces comprise the remaining space in the building. The large glass area in the main public space allows a fine view to the surrounding landscape as well as the nearby mountains.

The photographs in this article show both the Bland and Carroll facilities. The Bland complex recently received an Award of Excellence from the Federal Highway Administration.

The general contractors were Corte Company, Inc. for Bland County and John S. Clark Co., Inc. for Carroll County.

CONSTRUCTION CREDITS

Corte Company, Inc., of Bluefield, WV, general contractor for the Bland County complex, also handled excavating, foundations, concrete work, reinforcing, steel erection, carpentry, and caulking.

The owner, Virginia Department & Highways & Transportation, handled landscaping and paving.

SUBCONTRACTORS & SUPPLIERS

Bland County


SUBCONTRACTORS & SUPPLIERS

Bland County


British Country House Designs Exhibition at the Octagon Museum November 1985 - April 1986

The first exhibition ever of British country house designs will be held from November 5, 1985, through April 6, 1986, at The Octagon Museum, the historic house and architecture museum operated by The American Institute of Architects Foundation.

Ninety superb architectural drawings are featured in the exhibition, "The Architect and the British Country House, 1620-1920," which focuses on the style and character of 300 years of country house development. The exhibition complements the National Gallery of Art's "The Treasure Houses of Britain: Five Hundred Years of Patronage and Art Collecting," which features decorative arts and paintings displayed in country houses. "The Architect and the British Country House, 1620-1920," describes the houses themselves through original drawings of exterior and interior views.

The country house is Britain's most important contribution to the architecture and design of Western civilization. It flourished in Britain and for centuries was an admired prototype, particularly in the United States.

The time span covered by the exhibition, 1620 to 1920, was determined by two events: Inigo Jones's influential classical design for Newmarket Palace (completed just after his second trip to Italy in 1615) and the close of World War I, which heralded the end of the era of the great country house.

John Harris, distinguished curator of the Drawings Collection of the Royal Institute of British Architects, is the exhibition's guest curator. "Surprisingly, not even in England has there ever been a survey exhibition covering the years 1620 to 1920, the great period of country house building," said Harris. "It is also remarkable that, in many instances, the architects' original designs still survive," he added. Most of the drawings have never been exhibited previously.

Drawn chiefly from private sources such as the Drawings Collection of the Royal Institute of British Architects, Chatsworth House, Holkham Hall and Elvetham Hall, the drawings are by some of the world's greatest architects, who changed the course of architectural and interior design. Significant works include those by Sir John Vanbrugh for Castle Howard, recently featured in the PBS series "Brideshead Revisited"; Sir Christopher Wren for Hampton Court Palace; Sir John Soane's designs for the Bank of England; and by designs by Robert Adam, James Wyatt and George Stuart. From this eclectic period emerged the great Victorian country house, represented here by architects George Devey and Norman Shaw. The exhibition closes with early 20th-century country houses by the renowned Sir Edwin Lutyens.

A lavishly illustrated book written by Harris and jointly published by Trefoil Press and the AIA Press will accompany the exhibition.

After its Washington, D.C., showing, "The Architect and the British Country House, 1620-1920" will travel to the National Academy of Design in New York City and the Parish Gallery in Houston.

Generous contributions by Paul Mellon, Hon. AIA, and Leo A. Daly, AIA, and Mrs. Daly made the exhibition possible. Mr. Daly is chief executive officer of Leo A. Daly, a multinational architecture firm based in Omaha.

THE ARCHITECT AND THE BRITISH COUNTRY HOUSE, 1620-1920
Partial List of Architectural Drawings on View at The Octagon Museum, Washington, D.C., Through April 6, 1986

Robert Adam
Barnbougle Castle
Headfort House

Thomas Allom
Highclere Castle

Samuel Beazley
Bretby Park

Sir Reginald Blomfield
Hatchlands
Whittington

Edward Blore
Goodrich Court

Joseph Bonomi
Portman House
Rosneath

Richard Boyle
Tottenham Park
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William Burges
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Colen Campbell
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Wanstead House
Houghton Hall*

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Llanerch* Buckingharn House

John Dibbne Crace
Longleat House*

Isaac de Caus
Wilton House*

George Devey
Macarichish House

Sir Ernest George
Buchan Hall

James Gibbs
Lowther Hall
Kermash Hall

Nicholas Hawksmoor
Wotton House

Henry Holland
Carlton House*

Inigo Jones
Outlaw's Palace
Wimbledon Palace
Somerset House

William Kent
Holkham Hall*

Honingham Hall
Stowe House

Sir Edwin Lutyns
Castle Drogo

Roger Morris
Whitton Place

John Nash
Killymoon Castle

James Paine
Gopsall Hall
Sanbeck Hall*

John Buonarotti Papworth
Fonthill

John Hungerford Pollen
Blickling Hall*

Anthony Sivin
Harlaxton Hall

Scotney Castle

Peciforton Castle

Sir John Soane
Tyningen Hall

James Stuart
Wimbledon House

William Talman
Walbeck Abbey

Philip Armstrong Tilden
Hensigbury Head

Samuel Sanders Tuelon
Elvetham Hall

Sir John Vanbrugh
Kings Weston House*
Castle Howard*

Alfred Waterhouse
Yettendon Court

Philip Webb
Stander

Henry Wilson
Walbeck Abbey

Sir Christopher Wren
Hampton Court Palace
Easton Neston*

James Wyatt
Frogmore House

Kilerton Park

Milton Abbey*

Fonthill Abbey

*Indicates houses lending objects to The Treasure Houses of Britain at the National Gallery of Art.
The Ridge at Brinnington
Browne, Eichman, Dalgliesh & Gilpin, PC—Architect

Location: Albemarle County
Project Architect/Designer, Henry J. Browne
Mechanical Engineer, Brunk Mechanical
General Contractor, A. L. Yancey, General Contractor • Photography, Joseph Gar-

The Ridge at Brinnington, completed in June of 1983, occupies a five-acre site covered with mature hardwoods and mountain laurel, and offers magnificent views of the Blue Ridge Mountains. Overlooking the Moorman River, this distinctive, classic design combines gracious contemporary living with classic proportions.

This residence contains three bedrooms, three and one-half baths, a great room, study and dining/kitchen/sunroom combination. The master bedroom suite, which looks into the two-story sunroom, contains a sitting area, dressing room and a bath with soaking tub.

The exterior of the house is unique in its simple and direct details. Heavy quoins at the corners give the building solidity under a heavy roof and massive chimneys.

Upon entering one descends, with the slope of the steep site, to the main living area on the lower level. The major spaces on the lower level are pinwheeled around the unusual Rumsford fireplace. This fireplace was designed using the principles of Count Rumsford, the tenth-century French nobleman, who is said to have done more for fireplace design than Franklin did for the iron stove. The massive chimney evokes memories of early mill construction with corbeled brick shelves supporting the ancient beams.

The attention to detail in the hand-wrought iron railings, the joinery and ceramic tile work evokes a timeless tribute to craftsmanship. A detail of interest is the built-in German stove in the corner of the dining/sunroom, creating a warm place in all seasons.

The subtle blending of 200-year-old heart pine on the floors and ceilings, contrasting with planes of white and expansive glass, creates a feeling in this house of comfort and quietude.

A. L. Yancey, General Contractor of North Garden, was general contractor and handled excavating, foundations, carpentry and waterproofing.

SUBCONTRACTORS & SUPPLIERS
(Charlottesville firms unless noted)
Waynesboro Nurseries, Inc., Waynesboro, landscaping materials & landscaping contractor; Dudley's Paving Co., North Garden, paving contractor; Allied Concrete Co., concrete supplier; Webster Brick, Somerset, masonry manufacturer; H. T. Ferron, masonry supplier; Riverton Corp., Riverton, Flamingo mortar; E. M. Martin, Inc., roofing; Virginia Insulation Corp., roof & wall insulation; and Stokes of England, Ltd., handrails.

Also, Phillips Building Supply, Inc., structural wood; Gaston, Murray & Wyatt, Inc., millwork; Designer Kitchens, cabinets; Brunk Mechanical Corp., sheet metal & plumbing/heating/venti-
lating/air conditioning contractor; Virginia Glass Co., Inc., glazing contractor; Pella-Vir-
ginia, Inc., windows; Martin Hardware Co., hardware supplier; Gary Fitzgerald, gypsum board contractor; Richard A. Oliva & Sons, Inc., ceramic tile; Salem M. Eways, Inc., carpet; Clint Birchhead, painting contractor; Sherwin Willi-
ams Co., paint supplier/manufacturer; Mad-
dux Supply Co., plumbing fixture supplier; Interstate Electric Supply Co., Inc., lighting fix-
tures/electrical equipment supplier; and Safe-Way Electric Co., electrical contractor.

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Sandwich Islands Restaurant
The Design Collaborative—Architect

Location: Virginia Beach


"Fast Food You Can Feel Good About" is a high priority with babyboom consumers and Ted Torok is catering to that market demand through his new Sandwich Island Restaurant in Virginia Beach. The first of its kind, the prototype opened February 8, 1985. Torok plans to open six more by year's end, which will make it Tidewater's first locally owned and operated fast food chain.

Designing the prototype, Richard J. Fitts, AIA, of The Design Collaborative, has delivered a contemporary look that combines the exotic ambiance of a house in the tropics with the clean, crisp professional lines of a modern-day fast-food establishment.

The restaurant and the ideas behind it cater to current consumer preferences for lower calorie, greaseless meals for today's life-in-the-fast-track-and-eating-on-the-run establishment. Extensive market research led Torok to the insight that people today want home cooking without having to cook. That's why there is fresh baked bread for all the sandwiches, homemade cinnamon buns and oatmeal cookies. There is a fresh salad bar with original homemade dress-
The quality of the food is first class, catering to the demands of today's two-income families who prefer quality to low-price. These economic factors constitute a turning-point in all consumer goods these days, including architecture. While he and his staff are committed to excellence in the food and service, they chose an award-winning architect and an award-winning interior designer to carry out their commitment to first-cost excellence in the building itself.

Torok believes that he is catering to a clientele who prefer quality to low-price. These economic factors constitute a turning-point in all consumer goods these days, including architecture.

The main challenge of the architect was to design a building that would evoke an island feeling without using the whip poles and rope decor that has become cliché. The structure has the broad, sheltering roof with deep overhangs appropriate to tropical atmospheres. The bright white stucco exterior finish evokes the cement-wash masonry used in many Mediterranean and island buildings. Outside, a natural cedar shake roof and trellised panels begin to speak of the natural, relaxed feeling that continues inside. By mounting the lattice-work panels about six inches from the wall, a shade-and-shadow effect is created and layers of textures are perceived that will counterpoint the interiors.

Inside, the entire ceiling structure is designed to resemble the canopy of the tropical forest. Custom designed wood trusses are exposed and painted white for reflecting light. Secondary members were added to carry the many baskets of hanging plants across the main circulation areas. In order to continue a tropical ambiance, the designer has included several island-like eating bars enclosing lush, oversized palm trees. Baskets of ferns and flowering vines hang from the beams and the sound of moving water from aquariums mingles with interior designer, Uschi Mednick, to create something special that other fast food restaurants do not have. They have evoked a mood of relaxation in the tropics. Knowing that much of the success of this enterprise depends on presenting a desirable image to the consumer, the architect and interior designer were active participants in the development of this image.

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Church and Reading Room
McGaughan & Johnson, PC—Architect

Location: First Church of Christ, Scientist, Clinton, Maryland

Project Designer/Landscape Architect/Interior Designer, Warren C. Weller • Site Engineer/Surveyor, Baldwin & Sampson • Structural Engineer, Ralph Spencer • Mechanical/Electrical Engineer, Ken Richter Associates, Inc. • Geotechnical Engineer, ATEC Associates • General Contractor, Warder-Mona, Inc. • Photography, Hugh B. Johnson.

The First Church of Christ, Scientist, Clinton, Maryland had its beginnings as the Second Church of Christ, Scientist of Washington, D.C. in 1899. The church later moved into a new edifice located in southeast Washington. In 1979, the church moved into a renovated residence in Clinton, Maryland and was redesignated First Church of Clinton, Maryland. Local churches are considered branches of The Mother Church in Boston, Massachusetts, formed by Mary Baker Eddy, and are numbered as they are formed in a town or city. The renovated residence was used as their meeting place until mid-December 1984. The new church was substantially completed at this time, but construction of the separate Reading Room building was just beginning. Completion of the Reading Room is expected in late 1985.

The new church is located in a primarily residential area on a corner lot adjacent to a neighborhood shopping center. This provides needed visibility, and invites public use of the Reading Room.

The new church has a seating capacity of 80-plus, with capability of expansion to seating for approximately 150 persons.

The main roof structure uses scissor-type wood trusses supported on a tubular steel frame. This frame is covered by natural finished wood trim and allows for a continuous perimeter window strip. The strip windows, in conjunction with the glazed center partition between the assembly and lobby areas along with the end wall glazing, allow the roof to appear to be floating.

A full length center catwalk within the trusses provides access for maintenance of the mechanical and electrical lighting systems. Access to the catwalk is by a roll-a-way metal ladder recessed into the lobby tower wall. Backlighting of the louvered gable ends provides low level security lighting. These lights as well as the recessed ceiling platform lighting can be serviced from the catwalk. Assembly and lobby chandeliers can be raised and lowered from the catwalk also, which provides for easy cleaning and relamping at floor level.

The interior finish in the main assembly and lobby area is face brick and natural finish oak. The Reader's desk, in use since the 1920s, has been retained and was moved to the new plat-
Natural oak and drywall was used in the wings and Reading Room building. Exterior finish is face brick and rough sawn yellow poplar (Tulip poplar). Yellow poplar was selected because it is ideally suited for this particular use. It has excellent stay-in-place and weathering characteristics. The main church has insulated exposed brick cavity walls.

The roofs are hand split red cedar shakes. Built-up roofs were used in the flat (sloped ½% per foot) areas of the wings and Reading Room building.

Heating and air conditioning is split into separate electric heat pump systems. The main structure is supplied by one system located within the tower mechanical room and upper level roof. Each wing and the Reading Room building is supplied by its own individual system. All systems are controlled by time clocks to provide flexibility for the required heating or cooling demands.

Future additions considered in the design would convert the now rectangular assembly area into an octagon shape (almost oval) and would nearly double the present seating. This addition could be accomplished without interruption of normal church activities and would maintain the continuous strip perimeter window detail.

Future wings for administrative and Sunday school areas can also be added when needed, and plans for installing a carillon within the tower are feasible.

Warder-Mona, Inc. of Clinton, Maryland was general contractor for the project.

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Celebration Station Outlet Mall

SWA Architects, Inc.

Location: Roanoke

Project Architect/Designer, Mark S. Lindsey • Site Engineer/Surveyor, T. P. Parker & Son, Ltd. • Structural Engineer, Dunbar, Milby & Williams • Mechanical/Electrical Engineer, Walter Cohen & Associates • Geotechnical Engineer, Froehling & Robertson, Inc. • Construction Manager, ACM Construction Management Corp. • Photography, Whitney Cox.

Celebration Station Outlet Mall in Roanoke gives a new look to the old idea of off-price shopping.

The mall which was developed by Area Corporation of Richmond, was designed by SWA Architects, Inc., the same firm developing and designing the Main Street Station mall in Richmond.

This award winning mall received the Center's of Excellence Award from the National Mall Monitor magazine for outlet malls under 200,000 sq. ft. Mark S. Lindsey served as the Project Manager for this unique outlet center.

In order to make the mall unique, the architects mixed common and inexpensive building materials with elements of higher refinement. Liberal use of glass block, classically detailed columns, bright festive banners and space frames used as flagpoles provide excitement in the mall. The materials were contrasted with an exposed steel structure and 1930's style industrial light fixtures to create a mood reminiscent of the earlier days of outlet centers.

Storefronts were designed to provide uniformity and consistency throughout the mall. Signs for the tenants are also consistent in that they are on specially designed panels which are accen-
tuated with deep colored paint stripes that visually tie them together with the mall. Large expanses of glass are used on the storefronts to maximize display areas for each tenant.

The two main entrances are identified by tall space frames turned on their ends and used as flagpoles. The entrance area gently curves back from the main fascia giving a feeling of being inside the building while still outside.

The challenge of Celebration Station was to get it built as quickly and economically as possible. By using pre-engineered structural framing, upper fascia walls and roof system from Ceco Buildings Division the design time was shortened, the building's framework and roof could be installed independently of the walls and floor, and the mall's interior had a headstart. The building was erected at a cost of $22 per square foot. This cost includes sitework, tenant storefronts, dividing partitions, electrical, HVAC, and interior mall finishes.

Obviously, Celebration Station incorporates not only cost and energy benefits with metal and glass, but also a festive atmosphere.

ACM Construction Management Corp. of Richmond was construction manager for the project.

SUBCONTRACTORS & SUPPLIERS

FOR THE RECORD

Reynolds Named Sales Director For New Hotel

Valerie Reynolds has been named director of sales for The Residence Inn-West End, a residential-style all-suite hotel at 2121 Dickens Road (near I-64 and Broad Street), Richmond. The announcement was made by Joe Feran, general manager of the hotel.

Reynolds was most recently director of sales for The Marketplace Hotel in Richmond. She has more than seven years experience in the hotel and hospitality industry, and has worked for both the Sheraton and Ramada hotel chains.

Residence Inns specialize primarily in the needs of long-stay lodgers, such as business travelers or families relocating. The $5 million Residence Inn-West End has 80 one- and two-bedroom suites, and opened for business in mid-September. All suites include a fully-equipped kitchen and separate living room area. Most suites also have woodburning fireplaces.

The Residence Inn® Company is the nation’s largest and fastest-growing chain of residential-style suite hotels. There are more than 40 Residence Inns open nationwide, and that number is expected to double by year’s end. Another Virginia Residence Inn is open in Tysons Corner.

The Residence Inn-West End is a franchise owned and operated by TMH Hotels of Wichita, Kan. TMH Hotels operates another Residence Inn in Charlotte, N.C. and is constructing a third property in Hartford, Conn.

Fort Ward Museum Series

Fort Ward’s fall lecture series on the Home Care of Heirlooms and Collectibles will begin October 12th and continue on consecutive Saturdays through November 9th. Lecture topics will be presented by experts in the fields of textiles, photography, rare documents and military artifacts and equipment. The lectures are tailored for the layman who seeks professional advice on the proper identification, handling, storage and display of valuable collectibles in the home environment. The audience is encouraged to bring items which correspond to lecture topics for discussion and consultation.

Lectures are scheduled as follows:
- October 12—Identification and Care of Old Photographs
- October 19—Home Care of Textiles
- October 26—Identification and Care of Military Collectibles
- November 2—Care of Rare Prints and Documents
- November 9—Framing and Display of Rare Prints and Documents

This is the fifth year Fort Ward Museum has sponsored this unique home conservation series, which is one of the few programs of its kind in the Washington area. All lectures are scheduled from 2-4 p.m., in the museum library, 4301 West Braddock Road in Alexandria. There is no admission charge, but reservations are required due to limited seating. Call the museum at (703) 838-4848 for lecture reservations.

Brookfield Nursery Sponsors ‘Real Christmas Tree Contest’

Brookfield’s Real Christmas Tree Contest is open to students in grades 1-5. The contest is very simple.

Send an original drawing or story of 75 words or less, illustrating how a REAL Christmas tree makes you feel happy at Christmastime, to Brookfield Nursery, P.O. Box 929, Blacksburg, VA 24060-0929. Entries must be received by the 15th of November and include the student’s and his or her teacher’s name and the address of the school attended by the student—including classroom number, if applicable. All entries will remain the property of Brookfield Nursery.

Brookfield will be awarding one of their apartment-size Plantation-Fresh-Direct (PFD) Christmas trees to each of 50 winners. These will be sent directly to the classrooms of the winning students during the first week of December—with an additional $50 going to the class of the top winner. A press release will be sent to the hometown newspaper of each winner about the winner’s accomplishment.

Brookfield Nursery is sponsoring this annual contest to educate the public about the real Christmas tree industry—an important $600 million-a-year business that helps promote the tradition of Christmas.

For any questions about the Christmas tree industry, call David Larsen, Owner, Brookfield Nursery toll-free at 1-800-443-TREE.

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Bonded Contractor
Nine Contractors Given Best Builder Awards

The Virginia and Metro Chapters of Associated Builders and Contractors, a nationwide commercial and industrial contractor trade association, is proud to announce the winners of their 1985 Construction Awards Competition for the best built new projects in the greater Washington, DC area.

This year there were a total of 51 projects competing for 11 different categories. A distinguished panel of judges reviewed and visited each project entered. The panel of judges consisted of professional engineers and architects, developers and local building officials.

Judging for this contest was based on the quality of the construction not on the design of the building or the expensiveness of materials used.

Projects were judged on the basis of the following key judging criteria:

A. Commercial, Industrial, Institutional Categories—Site concrete, paving, landscaping, skin of the building, HVAC, flooring, interior walls, ceilings, interior plumbing and electrical systems.

B. Restoration and Renovation—Landscaping, skin of the building, flooring, interior walls, ceilings, interior finishes, plumbing, HVAC, electrical systems, combination of old and new, and difficulty in combining old and new.

C. Interiors—Entrance to interior, flooring and carpeting, walls, ceilings, finishes, plumbing, HVAC and electrical systems.

D. Public Works and Heavy Construction—Landscaping, paving, structural concrete, structural steel, mechanical and electrical installation, accessories such as fencing, railings, sewer and water mains, etc.

The categories and winners of this year's competition were:

1. BEST LARGE COMMERCIAL (OVER $5M.)
   Project award was given to OMNI CONSTRUCTION INC., of Bethesda, Maryland for their U.S. NEWS & WORLD REPORT HEADQUARTERS building at 2400 N Street, Washington, DC. Architects for this project were Skidmore, Owings and Merrill.

   This 8-story building (150,000 sq. ft.) wrapped in banks of masonry and precast concrete has three levels of below ground parking of 81,000 sq. ft. The interior features a four-level atrium with granite floors and walls in the elevator lobby and a two level library.

2. BEST MEDIUM SIZED COMMERCIAL ($2.5M.-$5M.)
   The winner in this category was EUGENE SIMPSON AND BROTHER of Alexandria, Virginia for their performance in the construction of the NATIONAL HEADQUARTERS BUILDING FOR THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS at 2400 N Street, Washington, DC. Architects for this project were Skidmore, Owings and Merrill.

   This 6-story building (150,000 sq. ft.) wrapped in banks of masonry and precast concrete has three levels of below ground parking of 81,000 sq. ft. The interior features a four-level atrium with granite floors and walls in the elevator lobby and a two level library.

3. BEST SMALL COMMERCIAL CATEGORY (UNDER $2.5M.)
   The award in this category was granted to TIBER CONSTRUCTION COMPANY of Fairfax, Virginia for their AMERICAN SOCIETY OF PERSONNEL ADMINISTRATION building at 606 N. Washington St., Alexandria, Virginia. The architects for this project were Lewis Wisnewski and Associates Ltd.

   This project combined and restored a rowhouse which was incorporated into a totally new whole with the addition of 25,000 sq. ft. of new space and a 20,000 sq. ft. two-level parking garage.

4. LARGE INDUSTRIAL CATEGORY
   For this category the winner was again TIBER CONSTRUCTION COMPANY of Fairfax, Virginia for the TIMES JOURNAL PUBLISHING COMPANY at 6885 Commercial Drive, Springfield, Virginia. The architects for the building were Dewberry and Davis.

   This 500 ft. press line facility with administrative offices consisted of a steel structure with a precast concrete exterior. The building also contains a lovely atrium.

5. SMALL INDUSTRIAL CATEGORY
   The winner for this category was PORTER AND COLE of Falls Church, Virginia for the MOUNT JACKSON SEWAGE TREATMENT PLANT in Mount Jackson, Virginia. The architects for the project were R. Stuart Royer and Associates.

   This 2 megatonnage sewage treatment plant consisted of a pump station renovation, 2 oxidation ditches, two final clarifiers, a laboratory building, chlorination facilities, sludge drying beds and related appurtenances.

6. LARGE INSTITUTIONAL CATEGORY
   The award in this category was granted to G & C CONSTRUCTION COMPANY of Merrifield, Virginia for their impressive FILENE CENTER II AT WOLFTRAP, Northern Virginia's premiere outdoor theatre, located in Vienna, Virginia. Architects for this project were Dewberry and Davis.
This project began in March 1983 after a disastrous fire burned down the original structure. Today the ramps connecting the new building to the parkway lots are the only thing left from the original building. Built of Douglas Fir from Oregon, the wood came from trees 36" to 60" diameter to provide the clean, vertical grain lumber desired for this special project. The structural framing consisted of southern Yellow Pine. The roof was made of copper and a new dry sprinkler system was installed. In addition to enlarging the staging areas, a more sophisticated lighting and rigging system for props was made a part of the "rebirth of Wolftrap."

7. SMALL INSTITUTIONAL CATEGORY
The winner in this category was BILDON INC. of Springfield, Virginia for their MASON DISTRICT AMPHITHEATRE in Annandale, Virginia. The architects were Thomas J. Madigan Limited.

This outdoor theatre also received an award in a "Design Build" competition held by Fairfax County Park Authority in which there were a total of 12 entries.

8. LARGE RESTORATION & RENOVATION
The award for this category was granted to E.A. BAKER & CO. INC. of Takoma Park, Maryland for their extraordinary job of renovating "El Jama," a private residence on 31st Street, N.W., Washington, DC. The architect was Hans Ulrich Scharnberg. This major restoration included the addition of an enclosed swimming pool and the use of marble ornamentation and many decorative finishes.

9. SMALL RESTORATION & RENOVATION
We are happy that our Chapter President's company, EUGENE THOMAS CONSTRUCTION CO. of Alexandria, Virginia was awarded top in this category for their interior renovation work on the MOUNT VERNON ESTATE ADMINISTRATION BUILDING in Mount Vernon, Virginia. The architects were VV&K.

This lovely 18th Century building on George Washington's Estate was completely renovated and restored, carefully keeping alterations of the original interior to a minimum, and furnished with a number of fine period pieces.

10. HEAVY CONSTRUCTION CATEGORY
SHIRLEY CONSTRUCTION CORPORATION of Lorton, Virginia was the winner in this category for their REHABILITATION OF THE NEW YORK AVENUE BRIDGE OVER THE ANACOSTIA RIVER in Washington, DC. The rehabilitation project consisted of the total removal and widening of the roadway along with the substructure and underwater repairs. Construction was carried out with continuous use of the bridge by the public. Architects for this project were Blunt and Evans.

11. INTERIORS CATEGORY
Winner was again OMNI CONSTRUCTION COMPANY of Bethesda, Maryland for the GLEN GERY

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DESIGN CENTER at 1001 22nd St. N.W., Washington, DC. The architects were Arthur Cotton Moore Associates, Inc.

Glen Gery Design Centre highlights the versatility of brick as a building medium. More than 40 shapes and seven varieties of brick and four mortar colors were integrated into the construction of the ramps, the walls, the arches and columns that outline the showroom. The brick is accented with a high multiple level of red oak panelled ceilings.

Michael R. Martin, P.E. Joins Patton, Harris, Rust

Michael R. Martin, P.E. (A) has joined Patton, Harris, Rust and Associates, P.C., a full service civil engineering/traffic transportation consulting firm, as Director of Transportation Engineering. Mr. Martin is responsible for directing road design, traffic signal design and site access studies as well as other transportation elements of the firm's planning and urban design projects.

Mr. Martin received his BSCE from the Virginia Polytechnic Institute and State University and his MSCE from the University of Virginia. Prior to joining PHR&A, he was associated with Kelterco as a Manager of Traffic Operations. Mr. Martin has primarily worked for both public agencies and engineering consulting firms, which provides him with a unique understanding of transportation problems. He is also a member of the American Society of Civil Engineers and has been a participant in numerous ITE and TRB committees.

'Connecticut' Keeps Silent Vigil

Some artists display their work in art galleries, some in museums, and others in corporate collections. But sculptor Paul DiPasquale has his 25-foot life-like sculpture of an Indian "Connecticut" on view in a ballpark. Ballpark?! Well not any ballpark — the new Diamond on the Boulevard — home of the Richmond Braves.

"The site is perfect," says DiPasquale. "The installation of the 'brave' adds to the architectural context of the new Diamond."

The sculptured Indian named "Connecticut" (meaning "beside the tidal flow") keeps 24 hour watch over the front gates and ticket booths of the Diamond whether the Braves are playing or not. His sculptured presence is hard to miss as one drives by.

If standing, the Indian would measure 70 feet tall. However, crouched on top the stadium concession stand he measures 10 feet high and 25 feet wide. The piece is molded from a foam insulation called isocynate and covered with fiberglass.

"It's a masterpiece," said Richmond Braves General Manager Richard Andersen. "It projects the kind of image we're trying to project for the Diamond as a first-class stadium."

Since its completion in 1983, sculptor DiPasquale has been seeking a permanent home for his "brave." On loan to the Diamond for one year, the artist has high hopes the Richmond Braves will eventually purchase the sculpture.

The artist has produced a limited number of silkscreen prints of "Connecticut" in its current location. Their sale will help offset installation costs and benefit the Richmond Braves.

For information on where to purchase the five-color silkscreen please contact: Slipek & Company, Public Relations and Advertising, 300 East Main St., Suite 205, Richmond, Va. 23220, (804) 780-1900

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