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The American Dream . . . Is It Lost?
A Housing Update by HBA VP President Roland Specter

Within the media there has been constant talk of the vanishing of at least one part of the American Dream—homeownership. It doesn't take a crystal ball to discern that this country, the housing industry included, has entered a difficult economic period. Everywhere, from big business down to the individual, the economic crunch is being felt in some form or another.

Housing, being a part of the consumer market as well as largely dependent on the mortgage lending industry, has taken a major blow from this economic crunch. Many young American families have been forced to put off homeownership, opting instead for other basic necessities or less expensive amenities. Others, particularly singles, have returned home to live or "doubled-up." The elderly have been put in much the same picture as singles, and many Americans who were once upwardly mobile have encountered a road block.

The National Association of Home Builders recently reported that at mid-year 1981 only 11.2 percent of the nation's households, under traditionally qualifying criteria, had incomes sufficient to buy a new median priced $70,000 home at the then prevailing interest rate of 15 percent. Twice as many were able to afford a new home as recently as 1979, and from 1963 to 1975, the rate was never lower than 30 percent, but usually closer to 40 percent.

In Virginia, according to a recent report of the Virginia Real Estate Research Center at Virginia Commonwealth University, only two markets investigated had homes averaging less than $50,000. In the last decade the average cost of a house almost tripled and estimates are the average new home in 1984. less than two years away, will cost as much as $100,000. Not hard to believe as prices already average more than $90,000 in some areas of the state.

Inflation and high interest rates are seen by the housing industry as the major culprits. The cost of building a home has risen with the cost of money, land, building materials and labor. Housing is linked to so many other industries that inflation in these other areas invariably seeps into the housing sector.

Meanwhile, recent changes in financing have caused a virtual revolution in that industry which has also had a tremendous impact on home building. Mortgage interest rates in 1981 averaged more than 15 percent, with construction loans usually two to three percentage points higher, virtually paralyzing the industry from both the building and buying sides.

In the past, passbook savings accounts provided for low interest mortgage loans. In effect, savers subsidized new home buyers and borrowers. It was a market that housed and enriched millions of Americans for decades, but it was also based on a financial structure that helped to drive the thrift industry close to bankruptcy. The majority of outstanding mortgage loans that thrills are holding pay returns of less than 9 percent, while the cost of new money has been as much as 20 percent to 21 percent. As a result, savings institutions had to follow the smart money into short-term financial markets.

Enactment of the Depository Institutions Deregulation Monetary Control Act compounded the problem by putting S & Ls in competition with commercial banks. S & Ls lost the 1/4 point higher interest rate they were allowed to pay on passbook savings. Now, savers can make higher yield investments and lending institutions are pushing variable rate mortgages where home buyers pay according to movement in the cost of funds. In the meantime, the majority of America's new home buyers have been squeezed out of the market, only the affluent can afford to buy, and builders are suffering high interest rates on unsold housing inventory.

Roland Specter, 1982 HBA President

In spite of all this, HBA does not see the picture as gloomy...difficult perhaps, but not gloomy. Changing times always require some efforts of adjustment, not only in attitude but also in actuality, and change can be difficult for some.

Many experts feel the industry will have to change and will never again be as it was in the past; that those who grew up expecting a college education leading to a successful career with a home in the suburbs and a two car garage will have to adjust their attitudes and expectations.

The Chinese symbol for danger also encompasses the symbol for opportunity, challenge and growth. With this attitude in mind, these are indeed exciting times, and having made the necessary adjustments, I am convinced this industry can survive and thrive.

We are in the midst of the seventh housing cycle since the end of World War II and this country is still the best housed nation in the world. Sixty-eight percent of our population are homeowners. Homeownership is in fact deeply rooted in the American psyche. From the time of the first colonist, the home has stood as an emblem of personal freedom and enterprise.

It was an ideal that pushed America westward across the frontier. It was the same ideal that guided American society throughout the recovery period following World War II. Men like William Levitt, builder of Levittowns, and thousands of other individual entrepreneurs built vast subdivisions of affordable homes, and bankers and financiers hammered out a mortgage finance system giving more Americans the chance to own a home than ever before. That commitment to the free enterprise system, as well as the desire for homeownership continues in this country today. The market is there—there will always be a need and desire for shelter. The current challenge facing this industry is to find ways to provide for this need and desire. It may mean adjustments, but the industry will survive the current crisis. Just as smart lending institutions will adjust and survive, smart builders will adjust and survive, and smart home shoppers will be able to find maybe not their "dream house," but certainly adequate shelter, perhaps even better-built shelter.

The challenge is actually twofold—finding the money that housing needs and building "affordable" homes. In many ways the cure is basically educational.

With the latest in technology and innovations in home design, builders are learning how to...

(Continued on page 62)
Richmond Architect Honored

Richmond architect Charles E. Wilkerson has been advanced to the College of Fellows of the American Institute of Architects. He will be invested in the 60 year old College on June 8 at the National AIA Convention in Honolulu.

Fellowship is a lifetime honor bestowed for notable contributions to the profession of architecture. Wilkerson is the first Virginia architect so honored in three years, and joins an elite group of 21 other Virginia architects holding the distinction. There are over 1,200 licensed architects in Virginia.

A native of Essex County, Wilkerson graduated from VPI in 1943 with a BS in Architectural Engineering. Following wartime service in the Orient with the Army Corps of Engineers and brief employment in Atlanta, Wilkerson came to Richmond in June 1946. In 1949 he joined the firm of Walford and Wright, forerunner of the present firm of Wright, Jones, and Wilkerson, as a draftsman. He became a partner in the firm in 1955.

Since joining the AIA in 1955, Wilkerson has an extensive record of service to the profession. Most notable have been his contributions to architectural education. He has served on the board of the Virginia Foundation for Architectural Education since 1964, including three years as its President and twelve years as its secretary-treasurer. He is considered by many to be the prime moving force behind the foundation.

Mary Wingfield Scott Honored by American Institute of Architects

Mary Wingfield Scott, who has spent the past half century working to preserve Richmond's architectural heritage, has been elected an Honorary Member by the American Institute of Architects.

Miss Scott was most recently honored for deeding Linden Row to the Historic Richmond Foundation. She smiled from her wheelchair last May while her niece, Mary Wingfield Scott IV, unveiled a plaque on the mid-19th-century row houses across from the Richmond Public Library on East Franklin Street. Miss Scott had saved them from demolition by buying them in the early 1950s and maintaining them as rental apartments and commercial space.

But her interest in preservation and architectural history began long before the preservation movement had achieved its current prestige, according to her nominators, who called her an "inspiration and role model for others who are dedicated to the continued maintenance of architecturally worthy structures and neighborhoods."

In 1928, she began the work that led to her first book, "Houses of Old Richmond." In 1935, she organized the William Byrd Branch of the Association for the Preservation of Virginia Antiquities. In 1950, her second book, "Old Richmond Neighborhoods," was published by the Valentine Museum.
Miss Scott photographed more than 1,000 antebellum houses for her two books. Her photography collection and notes were donated to the Valentine Museum.

She was made an honorary member of the Virginia Society, AIA, in 1951. In 1977, she donated the 1844 Barret House at Fifith and Cary Streets to the Virginia Foundation for Architectural Education. It serves as the Virginia Society, AIA headquarters.

Mary Wingfield Scott still feels today as she did in 1928 that "the preservation of our architectural heritage—despite great progress and public awareness—is still an uphill battle," one of her nominators wrote.

PERSONNEL AND OFFICE CHANGES

Moseley-Hening Associates Announces New VP

Moseley-Hening Associates, Inc., a Richmond architecture, planning, and interior design firm, has announced that Mr. Craig G. Covey, AICP, has joined the firm as Vice President. Mr. Covey will assume planning, marketing, and public relations responsibilities for MHA.

Mr. Covey is a graduate in Planning from the University of Tennessee at Knoxville and in Architecture from Virginia Tech. He hold also a Bachelors degree in Business Administration and has continued his education in real estate development at Harvard University.

A native of Bristol, Mr. Covey began his professional career in Virginia as Director of Planning and later as Assistant to the County Administrator for James City County. While in Williamsburg, Mr. Covey took a leading role in the location, planning and design of the James City County Government Center at Kingsmill and in the planning liaison with Anheuser Busch during the establishment of Kingsmill, Busch Gardens, and the Busch Corporate Center. More recently, while with another architectural firm, he was project architect on the design team for the 32-acre master development plan for over a quarter-million square feet of executive offices in Henrico County.

Mr. Covey and his wife, Rebecca, a graduate of the College of William and Mary, reside in the Richmond Fan District.

Firm Changes Name And Relocates

Evans and Hudson architects incorporated has announced that its firm name now will include Nicholas E. Wattas, AIA, who is Secretary/Treasurer of the corporation. The newly named firm—Evans Hudson Wattas architects incorporated—has relocated its offices to Roseland Manor House, 10 Strawberry Banks Lane, Hampton, VA 23663. Phone 804/722-1964.

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VVKR Announces Promotions

VVKR Incorporated, Alexandria, an architecture, engineering, planning firm, has announced the promotion of Ved P. Bansal to Managing Vice President of Mechanical and Electrical Engineering. Robert A. Padillo and Ronald E. Cashion were named Vice Presidents of the firm.

Bansal, a registered professional engineer, will manage the electrical and mechanical engineering departments. Bansal designed one of the first heat recovery systems, using a heat recovery wheel. He was directly involved in the analysis and development of mechanical design criteria for "Hospitals in the 80s," sponsored by the U.S. Department of Energy and the AIA Research Corporation. He has also been involved in solar energy studies with the U.S. Department of Housing and Urban Development.

Robert A. Padillo, appointed Vice President, is also Director of Energy Services. Padillo has developed and implemented comprehensive energy programs for the states of South Carolina, Virginia and Montana. He is co-author of The Technical Assistance Audit, an energy conservation course for architects and engineers taught nationwide. He has been responsible for developing a computerized energy analysis program for multi-facility owners. Under Padillo's direction, the Energy Services Department recently completed a $3 million retrofit for the Columbia Gas and Transmission Company Headquarters, without disruption to the 1100 employees.

Ronald Cashion was promoted from Associate to Vice President, Director of Planning. As senior land planner, Cashion directs land use and physical planning projects, including development feasibility studies, facility master planning, zoning studies, and comprehensive land planning projects. He is a member of the American Institute of Certified Planners and has served as Vice President of the Northeast Alexandria Citizen's Association.

VVKR also announced that Alain deVergie, Donald Finlayson, Findi Sodhi and Stanley Taylor were named Associates of the firm.

VVKR Incorporated is a full service architecture, engineering, planning firm with offices in Alexandria, Roanoke and Norfolk, Virginia and Baltimore, Maryland.
New Church Building Wins
National Award

Blackburg, Virginia's St. Mary's Roman Catholic Church, formerly at Progress and Wil­son Streets, has marked another historic occa­sion for pride—for its pastor, Father Tom Miller; its membership in general; and Building Chair­man Robert F. Kelly and his committee in particu­lar.

The church's brand-new, sweepingly contem­porary edifice, dedicated last October 25th at 702 Harding Avenue, has been named "the most unique" use of a pre-engineered construction system in a national competition during 1981. Capturing the honors were architects Joseph Boggs and Anthony DiCamillo of Fairfax, Virginia's Dewberry & Davis, who created the design, and H.P. Sinderman, Construction & Construction Management of Radford, who built it into being.

The Gold Award Presentation to the architec­tural and construction principals was made at the Marriott Hotel in Fort Lauderdale, Fla. by Inraco Inc. of Melrose Park, Ill. during its National Dealers' Convention in February.

This architectural creativity was engendered via a composite structure: the coupling of a custom-design pre-engineered steel frame from Inraco Building Systems of Cullman, Ala. in con­junction with the Hambro® Composite Concrete Floor System provided by Mid-Atlantic Hambro, Inc. of Baltimore, Washington, and its New York City.

As construction manager Paul Sinderman explained, "The Hambro® composite structural floor system acted as a tension member, neutral­izing outward moments of thrust resulting from the rigid-frame Inraco pre-engineered steel system, thus transferring loads to the lower level columns."

Exterior limestone facing, which character­ized the old church, was passed over for the new design in the choice of ultra-contemporary cream-color stucco texture panels of the Dryvit System above eight-to-nine feet of plum-color split custom masonry units. The sanctuary seat­ing of natural oak, distinctively arranged, extends on three sides of the altar.

Stained glass windows, too costly to install at this time and unfeasible to utilize from the old building, were omitted to be considered as a likely future project.

The five-acre new church site, formerly a res­idence and apple orchard derived from land of an early Blacksburg Catholic family, was pur­chased in 1987 when St. Mary's membership of 60 to 80 families realized the need to prepare for continuing growth. Since its inception in 1938, the church has now expanded into its third building.

The new edifice, costing close to $700,000, more comfortably accommodates its present membership of 380 families, many of whom are associated with Virginia Polytechnic Institute, a Virginia land grant school dating back to an act that originated with Lincoln's administration.

The level below the sanctuary has been design­ed for future expansion as a Fellowship & Education area.

ST. MARY'S CATHOLIC CHURCH, Blacksburg, Va. (Artist's rendering)
ARCHITECT: Dewberry & Davis, Fairfax
BUILDER: H. P. Sinderman, Construction & Construction Mgmt., Radford

VVKR Incorporated Receives Subcontractors' Award

VVKR Incorporated of Alexandria, has been named the 1981 Outstanding Engineer by the D.C. Metropolitan Subcontractors Association (MSA).

Mr. Robert B. Purdy, president of MSA, pre­sented Mr. Carl C. Redinger, General Partner of the firm, with the prestigious "Subby" Award plaque during its 16th annual banquet, held February 20 at the Indian Spring Country Club of Silver Spring, Md., which was attended by over 500 people. Seven other Washington metropoli­tan area persons or construction industry com­panies also were honored at the banquet for their individual and collective leadership con­tributions to the construction and building industry.

VVKR Incorporated was selected for the 1981 Pierre L'Enfant Award by the 325 corporate members of the local chapter. The company was specifically cited for their professional and skilled ability in project engineering and their highly cooperative attitude and their fair con­sideration of subcontractors and suppliers.

VVKR Incorporated, an architectural, engineer­ing, and planning firm, was formed in 1967 with the merger of Vosbeck Vosbeck and Asso­ciates, an architectural firm founded in Alexan­dria in 1962, with Kendrick & Redinger, an Arlington, consulting engineering firm founded in 1953. Originally called Vosbeck, Vosbeck, Ken­drick and Redinger, the firm later became the VVKR Partnership, and in 1979 formed a profes­sional corporation, VVKR Incorporated.

The seven other MSA "Subby" Award recipi­ents include: Omni Construction, Inc. of Rock­ville, Md.—The W. D. Connelly Founder's Award as the Outstanding General Contractor of 1981; The Lenkin Company of Bethesda, Md.—The Morris Cafritz Award as the Outstanding Owner-Builder of 1981; Skidmore, Owings & Merrill of Washington, D.C.—The Benjamin J. Latrobe Award as Outstanding Architects of 1981; The Honorable Lawrence J. Hogan, Prince Georges County Executive—The R. L. Jackson First Pres­ident's Award as the Outstanding Public Official of 1981; Vincent Dean with the George Hyman Company of Bethesda, Md.—The Paul Good Award for Supervision as the Outstanding Job Superintendent of 1981; Kathleen A. Bailey of John A. Scheibel, Inc. of Camp Springs, Md.—The "Subby" Award as the Outstanding Woman in Construction in 1981; Richard B. Ris of Johnson Controls, Inc. of Frederick—The John H. Hampshire Award as Outstanding Member Sub­contractor of 1981.

The immediate past president of MSA, Richard B. Ris, also received the President's Award for outstanding performance and service as Presi­dent in 1981.

Four Finalists Vie in Fairfax Center Design Competition

Four prominent architectural and design firms are finalists in the Fairfax Center Design Compe­tition. Participating in the second and final stage are The Cambridge Seven, Arthur Erickson Architects, Hartman-Cox Architects, and Cesar Pelli in a joint venture with Potter & Potter.

According to W. Kent Cooper of the Cooper Lecky Partnership, Fairfax County's profes­sional advisor, the design competition attracted over 300 inquiries. Eighty-six submissions were received prior to the 25 January 1982 stage one deadline. The entrants represented some of the largest firms from all parts of the country.

The field was narrowed to 12 qualified appli­cants from which the four finalists were chosen. The second and final stage began 22 March 1982 with submissions due 14 June 1982. The winner will be announced 26 July 1982.

A Design Review Board, which will serve as a jury, has been appointed by the Fairfax County Board of Supervisors to evaluate each of the submissions, which will be presented without reference to authorship. The review board will prepare a formal report regarding the relative merits of each submission. The selection of any submission for awarding of a contract shall be at the discretion of the Board of Supervisors.

The Design Review Board consists of five members: three architects, an engineer from the field of energy conservation, and a professional in local government administration. This Board consists of: Chloethiel Woodward Smith, F.A.I.A., Principal of the firm of Chloethiel Woodward Smith and Associated Architects, Washington, D.C; Jacqueline Robertson, F.A.I.A., A.I.CP., Dean of the School of Architec­ture, University of Virginia, and partner in the firm of Eisenman/Robertson Architects, New York; Barry Wasserman, F.A.I.A., State Archi­tect of California; Fred Dublin, P.E., Principal in the firm of Dublin-Bloom Associates; and Wayne E. Anderson, who serves on Governor Charles Robb's Cabinet as Secretary of Administration and Finance.

The program of the competition calls for relocation of the central Fairfax County governmen­tal administrative complex to a newly pur­chased 183-acre site. The move is anticipated to be accomplished in phases starting in 1985 or 1986 and continue until an estimated completion in 2020.

The Northern Virginia Chapter, A.I.A., was instrumental in having the competition con­ducted in accord with guidelines recommended by the Institute. Reston, a joint venture, Michael F. LeMay, represented the Chapter in this effort. In addition, LeMay and other architects served on the Citizens Advisory Committee charged with organizing both the competition and its program.
Kelvin Michio Ono has been named winner of the third annual Virginia Society prize competition, sponsored by the Virginia Society of the American Institute of Architects.

Ono, a native of Okinawa, is a product of the Arlington, Virginia public school system and is currently in his fifth year at VPI & SU. He is the son of Dr. Mitsuo Ono, an economist and statistician, and Mrs. Yoko Ono, a translator with the patent office.

His previous design-related awards include: Selection for a Seminar in Venice under J. P. Klieheus, Vittorio Lampugnani, and Thomas Bartels (1981); and winning entries in Smithsonian kite design and fabrication contests (1979 & 1980). He has also studied in Europe—Switzerland, Italy and Finland—and at the VPI & SU Architecture Annex in Alexandria.

Over 270 undergraduate and graduate students entered the $1,000 prize competition, which entails a "weekend sketch problem" released and collected simultaneously at each of the three architecture schools in Virginia: VPI & SU, the University of Virginia, and Hampton Institute. This year the problem was to design a library and museum to house the architectural collection of Thomas Jefferson, to be placed in an urban infill location.

The first such competition, in 1980, involved design of a rebuilt Volkswagen showroom and garnered only 37 entries. The 1981 problem was a phototype branch banking facility, with 127 entries. Students from VPI & SU were winners both years.

Selection of the winner was by a jury of six architects—one from each of the faculties of the three schools, and three in private practice. Identity of the entrants and their schools was concealed until judging was completed.

In addition to the winner of the $1,000 Prize, the jury singled out four near-winners for Merit Awards. They were: Tom Hill and David Richards, undergraduates at VPI & SU; Bruce H. Landenberger, graduate student at University of Virginia, and Wesley L. Page, undergraduate at Hampton Institute.

Twelve additional competitors submitted entries deemed worthy of commendation: Judith Ashe, William Cromar, Martin Eiss and Andrew Lewis undergraduates at VPI & SU; Charles Dickey and Jane B. Greenwood graduate students at VPI & SU; James E. Moore, IV, undergraduate at University of Virginia; and Lynne Brady, William Gerstmyer, Joel E. Grushkin and Paul King, all graduate students at University of Virginia.
Merit Awards

TOM HILL
4th Year, VPI & SU

DAVID RICHARDS
3rd Year, VPI & SU

BRUCE H. LANDENBERGER
Graduate Student, UVa.

1982 VIRGINIA SOCIETY STUDENT DESIGN COMPETITION
library & museum

design concept

floor plans

WESLEY L. PAGE
3rd Year, Hampton Institute

May-June 1982

to tell the Virginia Story
The Virginia Society, American Institute of Architects hosted the Virginia General Assembly at a reception on Thursday, February 4, 1982. The next day, they put themselves "on trial" in a unique and informative presentation of the pros and cons of the various legislative issues facing the profession. Photos on these two pages capture only a very small percentage of the fun, enjoyment, and "solemnity" of the two occasions.

Governor Charles S. Robb and 1982 Virginia Society AIA President Donald L. Strange-Boston, AIA, take time to smile for the camera.

James J. DePasquale, AIA, Chairman of the Winter Meeting and John W. Ryan, Jr., AIA.

Frederic H. Cox, AIA and John Henry Spencer, AIA, Dean, Hampton Institute School of Architecture. Dean Spencer was one of the "witnesses" at the mock trial held the next day.

R. Randall Vosbeck, FAIA and Delegate Alson H. Smith, Jr.

President Strange-Boston chats with Delegate Harry J. Parrish.

VIRGINIA SOCIETY AIA, WINTER MEETING
Richmond

Founded 1878
There was music for the listening and dancing pleasure of the group. Members and guests enjoyed renewing acquaintances at the reception.

Governor Robb chats with Sallie Ray Wilkerson and her husband, Charles E. Wilkerson, AIA.

"Prosecutor" Arthur Kornblut, AIA (standing), questions "Witness" Leo Cantor, Richmond building official, at the mock trial held in City Hall. Others involved in the "trial" are: "Defense Attorney" Murray Wright (seated at left), "Bailiff" Don Brown, AIA—President, James River Chapter (seated by witness), and Judge James E. Sheffield.

A break in the "proceedings" at Richmond City Hall.

"Bailiff" Brown administers the oath to "Witness" Joe E. Bartell, Henrico County building official.

Photography by Paul Huffman
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VIRGINIA RECORD

Founded 1878
I Can Never Forgive Frank Lloyd Wright

by Ralph Snell, AIA


And the list continues. Anything with so many words to describe it must be important. Like the Eskimos' multiple words for snow—it is our environment, it is what we are surrounded by. Is it the building type that there are more of than any other?

Picture "home sweet home." Is it your own home? Or is it a little white cottage nestled amidst nature, approached through a rose-covered trellis?

Picture "a machine for living." Is it your own home? Or is it a white box sitting above the ground with a horizontal band of windows and pipe rails?

Whether it be home sweet home or a machine for living, it is overlayed with a complex pattern of associations and images. Its image inseparable from its existence.

What is your home? Could you describe it? How would you begin?

The people who plan planned communities (the accepted phrase now that housing development is taboo) like to give their planned communities names to set the associations firmly in mind.


Toss in a few castellated walls, some leaded glass, and a torch or two and the image is complete.

It's all in the name. Would you expect anyone named Joe Green to be a composer of opera? But that's just what Giuseppe Verdi translates to.

Conjuring up names for planned communities works like this:

There are three wheels. Kind of like the wheels of chance at a carnival. On each wheel, in the places where the numbers usually are, are words.

On wheel number one, the words are names of varieties of trees, colors, or an occasional stray adjective.

On wheel number two, the words are always nouns describing a location.

And on wheel number three, the words are: View. Place. Centre. Haven, or Manor.

Spin each of the wheels.


Fashions change though. Currently making a strong play for a spot on wheel number three, if it's a town(e)house community is Mews. If it's a condominium community, it's A Condominium.

Rapidly, the PR people get to work developing and fixing the image. Call the architect. No not colonial. Not this time. We need half-timbering.

They have that weatherproof styrofoam now, don't they? Just give us a set of the plans. We'll make the changes.

It's built. And now it's time to have the interior designer do up the models. These are the tools at the designer's disposal:

• an unlimited budget
• three-quarter full size furniture
• wax fruit and dried flowers
• and of course,
• a major glass manufacturer's six month factory production of mirrors

Oh yes, and one more thing. A series of plastic cards to be interspersed about the model, at key features like the downstairs lavatory, jacuzzi, greenhouse window, self-cleaning oven, and upper hall skylight, bearing the single word "optional."

Access to model homes used to be easy. You would park your Chrysler Behemoth (somehow just out of view of the sales office) and run in the front door of "The Montclair." Of course you
knew your conversation was being picked up by the full stereophonic intercom (optional) with direct connection to the sales office. But you could probably get in and out before a sales rep descended too heavily.

But in today's market, the stakes are higher. Every looker is a potential creative financing user and mailing list addition. Now, subtle yet insistent fences define pathways from Toyota to model by routing you through the sales office. There is no escape.

Sales offices invariably have a plexiglass encased relief model of the obviously heavily wooded site. The key word here is "future." Future community centre. Future swimming pool. Future tennis courts.


The man who brought us to the future we're now in, in residential architecture, is Frank Lloyd Wright. I can never forgive him. Never. He is the one who invented the ranch house. And inflicted it on America.

Through the years, his innovative ideas of molding spaces and shaping forms have been perverted into the ranch house than wanders instead of rambles, with spaces inside that don't flow but simply open to one another because of a missing wall. His deformed progeny, the raised ranch, makes our landscape look like the ground either shifted three feet up or six feet down. Like the view an 18th century rendering of the Roman Forum gives us of half-buried monuments.

Not an altogether inappropriate image.
Residential retrofit is increasingly being recognized as an appropriate measure to accommodate the independent living needs of physically disabled people who wish to remain at home. In December 1977, the Comptroller General of the United States submitted a report to the Congress demonstrating the cost effectiveness of home health care as compared with institutional maintenance. The report indicates that it is financially advantageous for all but the most severely disabled people to live independently at home, rather than submit to custodial care.

Aside from the financial benefits that derive from independent living, it is clear that personal well being, self-esteem, and quality of life all are enhanced when the disabled person can live as normal a life as possible at home in the community. Advances in medical technology, prostheses, aids, and devices have been coupled with the reconfiguration of independent living subsidies and medical care reimbursement. These developments, and the growth of the deinstitutionalization movement, have supported the current trend toward providing for increasing numbers of disabled persons at home.

From the standpoint of the disabled individual, one of the major benefits of residential retrofit is that modifications can be designed to a specific environment and a particular disability. Unlike general guidelines and standards which are based upon the concept of a "prototypical" disabled person, adaptation of one's own home can be disability specific. In a sense this advantage is recognized for the first time in the American National Standard's Institute (ANSI) A117.1-1980 Standard. As defined in the ANSI Standard, adaptable housing involves provision of basic accessibility in new construction, but permits idiosyncratic needs to be met on an individual basis. For example, adequate support for grab bars must be built-in during initial construction, but the actual fitting of grab bars can be postponed until a specific occupant's requirements are known.

Regardless of the disability, the first step in any attempt at residential retrofit should involve a careful client assessment. If the retrofit is to be appropriately designed, this assessment must take into account not only present, but projected, functional capabilities and desires. In some cases, progressive physical debilitation may be expected to further curtail already limited functioning. Activity preferences may change with a change in physical capability or psychological state. Therefore, a basis for prioritizing proposed modification should be established in the assessment process so that unnecessary or inappropriate retrofit may be avoided.

The assessment, to be effective and informative, should elicit data regarding the physical capabilities of the client, including methods of mobility, balance and coordination characteristics, fine motor capacity, reach limitations, agility, stamina, sensory deprivation and/or impairment, etc. An occupational therapist and an architect working with the disabled resident, and, if necessary, an occupational therapist.

Activities of the National Center are endorsed by the Executive Committee of the AIA. The Institute, in fact, helped found the National Center in 1974 as a means to focus attention on the growing national accessibility movement. Since its incorporation, the National Center has become the recognized national source for information, education and technical assistance on designing for a barrier free environment.

With the Institute's strong backing, the National Center is now attempting to involve architectural firms as members and as users of its services. As members of the National Center, architects can gain a wealth of valuable accessibility planning information, including specially written technical bulletins and a bimonthly newsletter devoted to accessibility issues.

The AIA encourages its members to seriously consider becoming a member of the National Center for a Barrier Free Environment. The National Center needs you support in order to improve and expand its services during the 1980s. Membership information is available from the National Center for a Barrier Free Environment, Suite 1006, 1140 Connecticut Avenue, N.W., Washington, DC 20036. Additional information on accessibility can be obtained by contacting the National Center on their Toll-Free Telephone Number, 800/424-2809.

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Project requirements for this single-family residence were unusual because the clients are avid art collectors. They needed as much wall space as possible for their collection, as well as special areas for research and conservation.

The James River site presented its own unusual requirements. Since the river flows directly below and west, the elevation was unprotected from the fierce, late afternoon sun in the direction of the river view. To adapt to these conditions, the house was placed at a 45° angle to the river. As a result, sliding glass doors from major rooms were shielded by a series of walls perpendicular to the glass. This directed the view up and down the river, rather than directly across it, protecting the glass from direct exposure to the sun.

Harold L. Keeton of Manakin-Sabot was general contractor and handled carpentry.

Subcontractors & Suppliers
(Richmond firms unless noted)

C. F. Richmond, Inc., Crozier, excavating & sodding, seeding, etc.; Watkins Nurseries, Inc., Midlothian, landscaping; Earl Henley of Manakin Service Station, Manakin-Sabot, landscaping contractor; W. J. Rapp Co., Inc., foundations; C. A. Guard, Masonry Contractor, Inc., masonry contractor; Troy Masonry Co., stonework contractor; West End Fabricators, Inc., steel supplier/erection; Miller Manufacturing Co., Inc., millwork; and Wood Roofs, Inc., roofing.

Also, G. T. Duke Insulation Co., Inc., wall insulation; R. G. Goodwin, wood doors; Pella Virginia, Inc., windows; Pleasants Hardware, hardware supplier; Hampshire Corp., gypsum board contractor; Shore's Painting & Decorating, Cartersville, painting contractor; Lawrence R. Muse Plumbing, Heating & Air Conditioning Corp., plumbing contractor; Varina Refrigeration Service, Inc., heating/air conditioning contractor; and Cornell & Waidbauer, electrical contractor.
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One cold winter afternoon, the Schellhammer family returned from a Saturday Matinee to find their home burned to the ground. All that was left was the walk-out basement and part of the south wall and chimney. What was once a three-story garrison Colonial New England Farmhouse with southfacing porches was just a charred ruin. But standing proudly erect was the chimney of the old fireplace made of bricks that had been through two fires. Those bricks were salvaged from the old Princess Anne Jailhouse when it burned down many years ago, to make the chimney for the Colonial showplace known as "The Maples." It had been built by a nurseryman on one of the loveliest points of Lynnhaven Bay and the surrounding acreage contains 70-80 different varieties of camellias, maples, tall pines and hollies.

Being of practical mind and desiring the modern energy efficiency of passive solar design, the Schellhammers presented the architects of The Design Collaborative with the challenge to redesign their new home on the foundations of the old, keeping the basement/garage area but restructuring the floor plans, orientation, style and character of the house to incorporate the passive solar design features for the lighter, more modern lifestyle they wished to pursue hereafter.

Situated on the quiet waters of the bay, the lot faces south and was ideal for passive solar design. Light, light, and more light, was what they wanted. Interior spaces of soft white glow in the sundrenched rooms which are accented with skylights, circular view windows, sliding glass doorwalls opening onto balconies, and a south-facing sunporch with white ceiling fans.

One historic touch remains. The bricks from the old chimney were used to face the fireplace and hearth in the den of the new home. They are naturally charred and irregular and provide a

(Continued on page 60)
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Gypsy Hill House
Staunton
Environmental Design Group, Inc.—Architect

This apartment building located on the edge of Gypsy Hill Park in Staunton, provides 100 dwelling units for the elderly and handicapped. The focal point of the two- and three-story "U" shaped building is a landscaped court which provides a large protected exterior space for residents' social activities. The three main wings of the building are terraced into the existing topography with all levels interconnected at the two elevator cores.

The main design feature of the complex is the wide exterior corridors on the courtside of the building, which serve both as access to the apartments and as a balcony sitting area in front of each unit for informal socialization among the residents. The apartments themselves utilize a linear arrangement of spaces, with the bath and kitchen placed between the living room and bedroom. This allows sleeping areas to be on the quieter side of the building as well as enabling cross ventilation through the living unit. Besides the apartments, the building includes a large multi-purpose room overlooking the main entrance lobby, a lounge with small kitchen for informal gatherings, and a central laundry.

Stained wood is the predominant material of the building, and lends a warm residential feeling to the exterior. The balconies are supported by exposed heavy timber beams and columns and have railings with built-in planter boxes. Besides adding a variety of color to the balconies, the planter boxes have become a popular way to demonstrate residents' gardening skills.

(Continued on page 63)
Private Residence
West of Richmond
M. Jack Rinehart, Jr., AIA—Architect/Engineer

The site of this private residence is a wooded promontory overlooking a lake on a farm west of Richmond. The massing was configured to straddle the ridge in a manner that would define exterior entry, side yard, and rear terrace spaces and maximize the solar exposure to the south. Because of its setting, the concept was developed upward, abstracting the feeling of the typical late nineteenth century Virginia farm house.

Because the owners have a family of six and many friends, live in a rural community, and have many interests, they required a large home with more than the usual number of public spaces. These were placed to take advantage of the view of the lake and the flow to exterior spaces. Solar rooms, to collect solar radiation from the south, were located to adjoin the public spaces to handle the overflow and the many varied interests. These spaces may be closed off when not used, allowing the home to actually shrink by a third its size.

The exterior materials utilized were those that were felt to be appropriate to carry through the feeling of the abstracted old Virginia farm house, taking advantage of a nearby stone quarry.

Tavern Hill Builders of Powhatan was general contractor and handled foundations, carpentry, waterproofing, wall insulation and foundation insulation.

Subcontractors & Suppliers
(Richmond firms unless noted)
Elwood G. Williams, Chesterfield, excavating & landscaping contractor; Watkins Nursery, Inc., Midlothian, landscaping; N. M. Boatwright, Powhatan, concrete contractor; W. F. Wright, Inc., Amelia, concrete supplier; Donald L. Lancaster, Powhatan, masonry contractor & stonework contractor; Concrete Pipe & Products Co., Inc., masonry manufacturer; Southside Builders Supply Corp., masonry supplier & mortar; Luck Stone Center, Manakin, stonework supplier; Welding Service, steel supplier/erection & handrails; and R. C. Goodwyn & Sons, Powhatan, structural wood.

Also, Ruffin & Payne, Inc., millwork, paneling, cabinets, wood doors & windows; Shores Painting & Decorating, Cartersville, caulking, painting contractor & paint supplier; Willard L. Council Roofing, Inc., roofing & sheet metal; Bir-
swanger Glass Co., glass, glazing contractor & metal doors & frames; Martin Hardware Co., Charlottesville, hardware supplier; E. L. Cox Drywall, Chesterfield, gypsum board contractor; and Waller Brothers Tile, Marble & Terrazzo Co., ceramic tile & structural (glazed) tile.
And, Barney’s Carpet Center, carpet; Barnes Lumber Corp., Charlottesville, oak flooring; Blankenship’s Appliance Co., Powhatan, appliances; Charles Green Plumbing, Inc., Powhatan, plumbing contractor; Barnett’s Service Co., Midlothian, heating/ventilating/air conditioning contractor; Adkins Lighting Center, lighting fixtures supplier; Southeastern Electric Supply Corp., electrical equipment supplier; and M. E. Davis, Powhatan, electrical contractor.
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Virginia Record
Founded 1878
Jarvis’ Hearthstone
Leesburg vicinity
Don A. Swofford, AIA—Architect

"Hearthstone" is a typical Loudoun County stone structure reflecting the strong Pennsylvania influences which filtered into the county in the late eighteenth century. The structure was built between 1801 and 1803 by William Osburn. (See Loudoun County records Lib 2N, Pg 170 and Policy no. 2215, Vol. 26 of the Mutual Assurance Society of Virginia) The house and estate passed through the hands of several owners until purchased by Mr. Joseph Jarvis in 1976.

Archival and architectural research show the house was burned about 1860 when Union troops marched through the area. The interior was rebuilt about 1870 while in the possession of the Darrell family. It was again rehabilitated in 1950 during Admiral Ingersoll's occupancy. The house is a simple three bay structure with two pile room plan and an attached kitchen and servant quarters. Demolition prior to restoration showed evidences of the original building as well as the 1870 remodeling.

The building was structurally stabilized and carefully renovated incorporating modern conveniences, while respecting its historic features. Where possible, the original detail was retrieved and elements beyond feasible repair were sensitively reproduced. An executive office was constructed and connected to the main house by a covered walkway that, although contemporary in efficiency, is traditional in design. Modeled after eighteenth century outbuildings, the design is appropriate for the site and serves to complement the main house.

Enhancing the main house and the construction of the office, design schemes were done for the landscape and environs. As with the construction projects, the design was determined partially through historic research and partially by the owner’s request. The house and setting have been improved and guided through accurate restoration by careful research and supervision, and adaptive renovation, ensuring the future viability and maintenance of the site. This philosophy—enhancing the historic character, while satisfying contemporary needs—has proved to be a successful, practical solution for

to tell the Virginia Story

MAY-JUNE 1982
the preservation and improvement of this important landmark.

Arcon/Don Swofford Architects Builders of Charlottesville acted as general contractor. Arcon also handled roofing.

Subcontractors & Suppliers

Bill Costello Landscaping & Tree Care, Aldie, landscaping contractor; Shockey Brothers, Inc., Winchester, concrete contractor; T. M. Chamberlin, Hillsboro, stonework contractor; Kimmi Virts, Hillsboro, carpentry; American Wood Crafters & Joiners, Inc., Leesburg, millwork; Gaston, Murray & Wyatt, Inc., Charlottesville, paneling & wood doors; Jaeger & Ernst, Charlottesville, cabinets; Nichols Hardware, Inc., Purcellville, hardware supplier & paint supplier; and Eastern Paint & Sandblasting Co., Winchester, plaster contractor.

Also, Weller Tile & Mosaics, Inc., Ashburn, ceramic tile; Francis Reed, Hamilton, painting contractor & wallpaper; Pittsburgh Paint & Martin Senour, paint manufacturers; F & L Plumbing & Heating, Inc., Hamilton, plumbing contractor; Farmer's Heating Service, Hamilton, heating/air conditioning contractor; Interstate Electric Supply Co., Inc., Charlottesville, lighting fixtures supplier; and Forbes Electric, Purcellville, electrical contractor.

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Mallard Pond Townhouses
Virginia Beach
Richard L. Grimstead, AIA—Architect/Engineer

Mallard Pond Townhouses, completed in December 1981, consist of 13 two-bedroom townhouses on a 1.1 acre (34% of which is water), wooded wedge-shaped site on Lake Fremac in Virginia Beach.

Maximum density with minimum lot coverage is achieved by allowing the buildings to follow the natural curve of the shoreline, and grouping them asymmetrically to preserve existing trees and to provide communal open space on a small point. Each unit is two-story with all main living spaces oriented toward the lake.

Sliding glass doors connect the living/dining area with a large deck at water's edge. Construction is standard wood framing, clad with stained cedar shiplap siding. Individual heat pump units provide heating and air conditioning.

Weigand & Richardson, Inc. of Virginia Beach was general contractor and handled excavating, sodding, seeding, etc., landscaping, foundations, concrete work, carpentry, millwork, waterproofing and caulking. The firm also handled roofing, roof/wall/foundation insulation, glass, windows, gypsum board installation, resilient tile, carpet and painting.

Subcontractors & Suppliers
Other Virginia Beach firms were: Economy Asphalt, Inc., paving contractor; Seaboard Building Supply Co., hardware supplier; Glidden Coating & Resins, paint supplier/manufacturer; Schell Supply Corp., plumbing fixture supplier; and Brown Mechanical Corp., plumbing/heating/ventilating/air conditioning contractor.

Norfolk firms were: Hall-Hodges, Inc., reinforcing; Lone Star Industries, Inc., concrete supplier; Kitchen Towne, Div. of Towne Distributors, Inc., cabinets; Ajax Tile Co., Inc., ceramic tile; and Atlantic Electric Supply, lighting fixtures supplier.

And, from Chesapeake were: Burton Lumber Corp., structural wood & wood doors; and Brooks Electric Co., electrical contractor.

Associated Architect, Julian Sawyer • Structural Engineer, Richard L. Grimstead, AIA • General Contractor, Weigand & Richardson, Inc. • Photography, Julian Sawyer.
Nestled in the rolling hills of Botetourt County, this passive solar home takes full advantage of an unobstructed panoramic view to the south, resulting in total independence from non-renewable energy sources. This residence integrates all three of the basic passive solar techniques, direct gain, indirect gain and isolated gain, in an efficient open floor plan. Back-up heating will be provided by a wood stove in the living area and a fireplace insert in the recreation room. Two active collectors are also incorporated in the roof for heating of domestic hot water.

In an effort to minimize the required heating loads, the residence is earth sheltered on the north and east sides. By isolating these walls, the exterior surface temperatures are reduced and infiltration is minimized. All windows are double glazed and oriented to the south for maximum heat collection throughout the day. The garage provides a buffer zone to the habitable space from the western prevailing winds. In addition, entrances are provided with draft barrier vestibules. Envelope thermal protection is provided by R-38 ceilings and R-25 wall insulation levels.

Problems of glare have been addressed by bringing sunlight into both sides of the rooms and reflecting it off light colored surfaces. Direct (Continued on page 34)
Located in southwest Roanoke County, this home is situated near the top-most area of the seven-acre property. The two-story, custom residence produces a comfortable blend of passive solar technology and owner lifestyle. The lower floor is set into the south-facing slope and is earth-sheltered on the north and east sides. The upper floor, which houses the main living areas, is exposed to the sun by expansive south-facing glass and protected by heavily insulated north, east and west walls. Roof and wall insulation levels are R-34 and R-26 respectively.

The owner’s strong desire to maintain the view of Mason’s Knob to the south, and the tranquil farms and rolling pastures to the west, was satisfied by fully glazing these walls, providing a panoramic vista from all south and west facing rooms.

The total south glazing of 450 square feet, with its 64 tons of interior mass storage, results in an estimated solar savings fraction of 40% against a heating load of 38,500 BTU/DD and an annual 4307 heating degree days. The 2500 square feet of conditioned space utilizes two of the three basic passive solar techniques, direct gain and indirect gain. In addition to the passive system, two active solar collectors are integrated into the roof for heating domestic hot water.

(Continued on page 35)
Patterson Residence  
(From page 32)

gain thermal storage surfaces are finished with slate, stone or skim coat plaster, over concrete painted warm dark colors.

The total conditioned space of 2700 square feet has a heating load of approximately 22,000 BTU/DD (8.15 BTU/DDSF) in an area producing an annual 4307 heating degree days. The available solar gain, backed up with 200 tons of distributed interior and under floor mass storage, results in a solar savings fraction of an estimated 63%.

Direct Gain Radiation

Direct solar radiation entering through the large amount of south-facing glass is allowed to strike the thermal mass of constructed floors and walls. Some 135 tons of native stone and poured-in-place concrete are strategically placed to absorb heat and release it at times when the temperature begins to decline, such as at night and during cloudy periods.

Indirect Gain Radiation

The recreation room located in the west portion of the house is passively served by indirect collection utilizing a Trombe wall. Ninety square feet of glass and a 6" air space fronts a 12" concrete thermal storage, or Trombe, wall which is painted dark brown to enhance collection.

Besides providing storage for later use, the Trombe wall incorporates high and low interior vents to allow excess heat to be convectively circulated into the room.

An R-10 night insulation curtain installed inside the Trombe air space is automatically operated and controlled by a temperature activated sensor which opens and closes the curtain at preset temperatures in the morning and at dusk.

Isolated Gain

The 760 square foot south-facing greenhouse, situated at the east end of the house, captures the sun throughout the day. The air warmed in this live-in collector is drawn off by an air handler fan and forced into a duct distribution system serving five separate rock bins under the four bedrooms and the family room.

The heat is transferred to the rock and is in turn released into the house through a radiant slab, during off-collection hours. Having spent its energy, the air is returned to the greenhouse for recirculation.

Passive Cooling

Although heating is of primary concern in this area, the 1030 cooling degree days also deserve a significant amount of attention. Besides employing standard heat gain prevention techniques, such as proper window orientation and louvered overhangs, this house is designed for efficient ventilation during moderate times of the year.

In times when ambient exterior temperatures become uncomfortable, another natural method of cooling is engaged. Two open-end earth tubes, each 150' long, draw in outside air to be cooled by the 55-60°F below grade soil temperatures. Air, collected through these tubes, is directed to the living space through the same underground ducts used during the heating season. Warm air, exiting through high summer vents, is replaced by the cooled air from the earth tubes. This induction process is similar to the operation of a draft stack such as a chimney.

J. E. Kidd & Sons, Inc. of Hollins was general contractor and handled paving, foundations, carpentry, waterproofing and caulking.

Subcontractors & Suppliers 
(Roanoke firms unless noted)
Tony Reed Excavating Co., Vinton, excavating; Dixie Building Products, Inc., reinforcing; Roanoke Ready Mix Concrete Corp., concrete supplier; Hamlin & Bell, Blue Ridge, masonry contractor; Webster Brick Co., Inc., masonry manufacturer; Martin Bros., Rocky Mount, stone-work contractor; Structural Steel Co., Inc., steel supplier; Bolling Steel Co., Salem, miscellaneous metal; Home Lumber Corp., Salem, millwork, paneling, roofing & roof insulation; and Superior Cabinet Co., Hollins, cabinets.

Also, Karr-Lyle Insulation Contractors, wall insulation; Robertson Sheet Metal Co., sheet metal; Diamond Glass Corp., Salem, glass & glazing contractor; Pella Window & Door Co., windows; Graves-Humphreys, Inc., hardware supplier; Thompson Masonry Contractor, Inc., Salem, plaster contractor & gypsum board contractor; Clifton Floor & Tile Service, Inc., Salem, ceramic tile, resilient tile & carpet; Robert M. Salmon, painting contractor; Benjamin-Moore Co., paint supplier/manufacturer; Russell E. Chittum, Vinton, wall covering; Civic Well & Pump Co., hot tub; Warner Supply Corp., plumbing fixtures supplier; Forbes Plumbing & Heating Co., Inc., plumbing contractor; Williams Supply, Inc., lighting fixtures supplier; and Richard E. Lee, Electrical Contractor, electrical contractor.

Founded 1878
Berdeen Residence  
(From page 33)

Auxiliary heat is provided through the use of wood stoves in the living and family rooms and electric baseboard heating panels in each of the rooms not having direct gain collection.

Direct Gain Radiation

Direct collection from the sun through south facing glass is coupled with thermal storage tile over concrete floors and interior stone walls. The north rooms are reinforced by direct gain clerestory glass and north wall thermal block painted in warm dark colors.

Indirect Gain Radiation

The 165 square foot Trombe wall, an example of indirect gain, is the major source of solar collection. The storage wall is located at the lower level on the south sides of bedrooms No. 1 and 2. Warm air trapped in the air space between the glass and the concrete mass Trombe wall is drawn off and fan-forced into the plenum space between the first level ceiling and second level floor. Air passing through this plenum loses its heat to the adjacent second level mass floor for storage, and later releases it during non-collection hours. Having spent its energy, the air is returned to the bottom of the Trombe wall to be recirculated in this closed loop system.

In order to increase the efficiency of the Trombe wall, a hinged insulated reflector panel is mounted outside of the glazing. During collection hours the panel is lowered, increasing the collector's effective area by reflecting additional radiation through the glass. During non-collection hours, the panel is raised, sealing off the collector and reducing heat losses back through the glass.

Passive Cooling

While passive heating is of necessity the prime concern in the Roanoke area, the 1030 cooling degree days also deserves a considerable amount of design consideration. Besides employing standard heat gain prevention techniques such as proper orientation and louvered overhangs, this house is designed for maximum ventilation during moderate times of the year. In times when ambient exterior temperatures become uncomfortable, another natural method is engaged. An open-end, 18" diameter earth tube, 100' in length, draws in outside air to be cooled by the 55-60° below-grade soil temperatures. Air collected through this tube is directed to the living space through the floor plenum and side-wall registers. Warm air exiting through high summer vents is replaced by the cooled air from the earth tubes. This induction process is similar to the operation of a draft stack such as a chimney.

J. E. Kidd & Sons, Inc., of Hollins, was general contractor and handled foundations, carpentry, waterproofing and caulking. The owner handled landscaping.

Subcontractors & Suppliers

(Roanoke firms unless noted)

Tony Reed Excavating Co., Vinton, excavating; Dixie Building Products, Inc., reinforcing; Roanoke Ready Mix Concrete Corp., concrete supplier; Hamlin & Bell, Blue Ridge, masonry contractor; Martin Bros., Rocky Mount, stonework contractor; Structural Steel Co., Inc., steel supplier/joists & miscellaneous metal; Home Lumber Corp., structural wood, millwork, paneling, roofing & roof insulation; Karr-Lyle Insulation Contractors, wall insulation; and Robertson Sheet Metal Co., sheet metal.

Also, Fella Window & Door Co., windows; Thompson Masonry Contractor, Inc., Salem, plaster contractor & gypsum board contractor; Clifton Floor & Tile Service, Inc., Salem, ceramic tile, resilient tile & carpet; Robert M. Salmon, painting contractor; Benjamin-Moore Co., paint supplier/manufacturer; Warner Supply Corp., plumbing fixture supplier; Forbes Plumbing & Heating Co., Inc., plumbing contractor; Williams Supply, Inc., lighting fixtures supplier; and Richard E. Lee, Electrical Contractor, electrical contractor.

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MAY-JUNE 1982 35
**M. C. Ashe Residence**

*Virginia Beach*

Walsh-Ashe-Dills Assoc., Inc.—Architect/Engineer

**Site:** Bluff overlooking Thalia Creek, a tidal tributary of the Chesapeake Bay.

**Program:** Residence for a family of five with a severely limited budget of $60,000.00.

**Solution:** Plan organization is based on 15' x 10' x 15' grid in both directions. Placing the vertical circulation in the grid core and utilizing the periphery of the living spaces for circulation creates a very efficient plan minimizing undesirable hall space. The southern elevation allows the living spaces to take advantage of the waterfront view. Future movable sunshades will shield this glazing from summer overheating. Support spaces are clustered on the northern exposure reducing the glazed area and providing a thermal barrier. Interior partitions are arranged to channel the site's constant breezes for cross ventilation and the clerestory above the stair provides a chimney effect maintaining air flow. Structural framing is exposed in the living and dining areas. The joint in the plywood exterior cladding is emphasized to organize the elevations, reflecting interior functions. Total living area is 2,800 square feet.

**Cost:** $21.87/square foot including furnishings

**Award:** American Institute of Architects Tidewater Virginia Chapter Design Award 1980

Honorable Mention

The architect, Walsh-Ashe-Dills Associates, Inc. of Virginia Beach acted as construction manager for the project. The owner acted as general contractor and handled landscaping, landscaping work, and painting.

**Subcontractors & Suppliers**

(Virginia Beach firms unless noted)

- Brian James, sodding, seeding, etc.; Roy Ober, foundations & concrete contractor; Lone Star Industries, Inc., concrete supplier; Roger Cahoon, masonry contractor; Roy Johnson, carpentry; Kemspsville Building Materials, Inc., structural wood & wood doors; Stultzman Construction Co., millwork; J. B. Austin, paneling; and Tidewater Kitchen Distributors, Inc., Chesapeake, cabinets.

- Also, Roof Engineering Corp., Norfolk, built-up roof; Colonial Insulation, Inc., Norfolk, roof insulation & wall insulation; Walker & Laberge Co., Inc., Norfolk, glass; Norandex Aluminum Building Products, Norfolk, windows; Seaboard Building Supply Co., hardware supplier; Pembroke Dry Wall, Inc., gypsum board contractor; Leroy Miller Tile Co., Chesapeake, ceramic tile; Norfolk Paint Co., Inc., Norfolk, paint supplier (Dupont—interior and Olympic Stain—exterior); Schell Supply Corp., plumbing fixture supplier; Johnnie Williams Plumbing & Heating, plumbing contractor; Brunk Mechanical, heating/ventilating/air conditioning contractor; and Hillegass Lighting Corp., Chesapeake, lighting fixtures supplier.
Residence for Mr. & Mrs. Michael I. Ashe  
Virginia Beach  
Walsh-Ashe-Dills Assoc., Inc.—Architect/Engineer

**Site:** Sand flats approximately 1,600 feet from the Atlantic Ocean with a buildable area restricted by setbacks to 30' x 30'.

**Program:** Residence providing an ocean view, for two professional people with a limited budget of $60,000.

**Solution:** Bedrooms and storage spaces are placed on the lower level allowing the living, dining and kitchen areas to occupy the upper level to take maximum advantage of the view. The openness of the living level allows each area to borrow space from those areas around it, creating an illusion of abundant space. The open stair ties the three levels together vertically and organizes the functions of the living level. The east wall is glazed with sliding doors at the living level lending a feeling of outdoor living in summer and taking advantage of the constant ocean breeze. The barrel vault skylight over the dining area adds to the openness of the interior. A deck on the west is a shady outdoor space in the summer and a protected area in winter. The compact island kitchen features a greenhouse enclosed breakfast area and a large pantry. A cruciform loft provides work space and extra sleeping area, and opens to the outside via a small deck. The circular opening in the east wall frames an overview of the ocean. Steel tie rods required by the extreme pitch of the roof were left exposed providing hanging space for kitchenware.

The architect, Walsh-Ashe-Dills Associates, Inc. of Virginia Beach acted as construction manager for the project. The owner acted as general contractor and handled handrails, millwork, paneling, caulking and painting.

**Subcontractors & Suppliers**

*Virginia Beach firms unless noted*

Jim Briggs, landscaping, foundations, concrete contractor & masonry contractor; Lone Star Industries, Inc., concrete supplier, masonry manufacturer/supplier; Batchelder & Collins, Inc., Norfolk, mortar; Greg Stevens, carpentry; Kitchen Towne, Div. of Towne Distributors, Inc., cabinets; and Tom Jones, roofing.

Also, Kemptville Building Materials, Inc., wood doors & paint supplier (Olympic Stain & Sears, Roebuck & Co.); Ayers Insulating & Supply Co., Inc., roof insulation; Pella Virginia, Inc., Norfolk, windows; Maury Kroll Lock & Safe Service, Norfolk, hardware supplier; Pembroke Dry Wall, Inc., gypsum board contractor; Leroy Miller Tile Co., Chesapeake, ceramic tile; and Dave Muncy, resilient tile & carpet.

And, Schell Supply Corp., plumbing fixture supplier; J. R. Helton, plumbing contractor; C. L. Carter Heating & Air Conditioning Co., heating/ventilating/air conditioning contractor; Hillegass Lighting Corp., Chesapeake, lighting fixtures supplier; Norva Plastics, Inc., Norfolk, skylights; and The Fireplace Shop, Hampton, fireplace.

to tell the Virginia Story  
MAY-JUNE 1982  
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Private Residence:  
Dr. and Mrs. William C. Fuqua  
Williamsburg, Virginia  

Building Type:  
Passive Solar, wood frame, cedar siding  

Program:  
To design an energy conscious house for parents and two teenagers.  

Design Solution:  
• a compact three story square building  
• parents top level  
• living middle floor  
• teenagers lower level  
• passive solar  
• closets and utility walls and roof  
• central plumbing  
• maximum insulation walls and roof  
• sloping roof to north  

Construction Cost:  
$120,000.00  

S. M. Nichols Builder, Inc., of Williamsburg was general contractor for the project. The owners, Dr. and Mrs. William C. Fuqua, handled sodding, seeding, etc. and landscaping.  

Subcontractors & Suppliers  
Williamsburg firms were: Dudley S. Waltrip & Sons, Inc., excavating; Purnell Pressy, foundations & waterproofing; Benson-Phillips Co., Inc., masonry supplier; Dixon, handrails; Sherwin-Williams Co., paint supplier/manufacturer; Langdon Richardson, plumbing contractor; and The Lamplighter Shoppe Ltd., electrical equipment supplier.  

From Newport News were: Basic Construction Co., paving contractor; Custom Concrete Products, concrete supplier; W. D. Baxter, carpentry; Weaver Brothers, Inc., millwork; Melvin Peters Cabinet Shop, Inc., cabinets; Davenport Insulation Inc., roof/wall insulation; James Yeung, gypsum board contractor; Brunk Tile & Interiors, Inc., ceramic tile; Peebles Supply Corp., plumbing fixture supplier; Rick Thomason Heating & Air Conditioning, Inc., heating/air conditioning contractor; and Davis Electric, Inc., electrical contractor.  

Others were: Richmond Sash/Glass, Richmond, glass & glazing contractor, window wall & storefront; Wilson, Suffolk, masonry contractor; Solite Masonry Units Corp., Chesapeake, masonry manufacturer; Williams, Greensboro, NC, miscellaneous metal; Robert Smith, Hamburghville, caulking & painting contractor; Cedar Roofs of Virginia, roofing; Andersen Windows, Bayport, MN, wood doors & windows; Pleasant Hardware, Richmond, Primo, Finland and Stanley hardware supplier; W. C. Carpenter Co., Inc., Virginia Beach, carpet; and Lightolier, lighting fixtures.
This project, a residence for a family of four, is constructed on a two-acre wooded site that is relatively flat as it is entered from the road and slopes steeply into a streambed at the rear.

The program calls for five bedrooms (with special concern given to the privacy of the master bedroom and maid's room) and public spaces which allow for the entertainment of a large number of guests. In addition, both a tennis court and swimming pool were essential elements of the program.

The design accommodates widely separated sleeping areas for the parents, the two children, and the housekeeper, affording each their private part of the house. The public spaces overlap in a manner that will allow the entertainment of various sized groups.

The plan is organized around three courtyards of distinct function, scale and character: the tennis court, entrance court and pool court. The tennis court is placed in front of the house to minimize required cut, retainage, and disruption of the large hardwood trees growing in the rear of the site. The court is treated as an outdoor room with direct access from the house, and yet is separated from the house by its limited view. The formal facade can be seen from the street and involves repetition of a basic form (each time with some alteration).

The entrance court announces the entry using a public scale. In addition to providing a transition from the automobile, this court is most concerned with conveying the attitudes of the client and his guests toward the symbols of "house," "value," "prestige," etc.

The interior plan focuses on the third, or pool, courtyard. This is the least formal of the three courtyards and steps down the site along with the bedroom wings of the house. Water flows from a fountain in the upper pool down six steps to the lower swimming pool. Low roof lines minimize shade in the pool area. Views from the house are directed into this court and beyond toward the streambed bordering on parklands.

The house is constructed of conventional wood framing with painted gypsum board finish on the interior and "Dryvit" components over...
two-inch styrofoam on the exterior. The mechanical system is three-zoned forced air, distributed through a heated, insulated crawl space. Heat and hot water are fueled by natural gas; however, the high roof over the entrance is directed to accommodate future solar collectors for hot water. Typically, lighting is concealed indirect and is designed to highlight exterior views at night. The house is approximately 5900 sq. ft. gross.

Cameo Corporation of Rockville, Maryland was general contractor for the project.

Subcontractors & Suppliers
C. T. Jones Excavating, Silver Spring, MD, excavating; P. Stadler Nursery, Laytonsville, MD, landscaping; Eastern Concrete, Landover, MD, concrete contractor; Cliff Rackley, Frederick, MD, carpentry; Bevlin & Co., Rockville, MD, millwork; Creative Kitchens, Silver Spring, MD, cabinets; Roof Center by Cliff, Rockville, MD, tile roofing; Universal Insulation, Lanham, MD, roof/wall/foundation insulation; Devlin Lumber & Supply Corp., Rockville, MD, wood doors & gypsum board contractor; Associated Building Components Co., Inc., Landover, MD, windows; and Union Hardware Co., Bethesda, MD, hardware supplier.

Also, Frank DiNenna—Macon Tiles, Rockville, MD, ceramic tile; M & M Floors, Inc., Falls Church, special wood flooring, McCormick Paint Works Co., Rockville, MD, paint supplier; Dave Jordan, Gaithersburg, MD, painting contractor; Paddock Pool Construction Co., Inc., Arlington, swimming pool; J. George, Silver Spring, MD, plumbing contractor; Fred Sessions, Silver Spring, MD, heating/ventilating/air conditioning contractor; R. Archie Burgess, Washington, DC, electrical contractor; and, Exterior Coating, Alexandria, Dryvit contractor.

to tell the Virginia Story

FIRST FLOOR PLAN

MAY-JUNE 1982
January Hill  
Addition, Charlottesville  
William D. Prillaman, AIA—Architect

The owners of January Hill were very happy with the location of their existing house, with its outstanding views of the Blue Ridge mountains, but had outgrown the one-level structure.  
The original house was a ranch-style, cinder block house with little architectural distinction.  The house was situated on a knoll, which made linear expansion impractical, in order to take full advantage of the superb views, the existing "U" was infilled with a three-level addition. Two thousand square feet were added to the existing 1500 square feet.  
The north (front) yard sloped away from the existing footprint, allowing the lower level to be dropped half a story and still have an on-grade entry. A curved retaining wall was added to compensate for the grade changes. This leads one into the soapstone foyer. The lower level contains a large utility room, guest bath, and soundproof studio for the owners' musical interests.  
The utility room has a separate entry and, adjacent is a wood storage shed which houses the primary fuel source for the new five-fuel boiler. The new heating plant was hooked up to the existing radiator system as well as the new baseboard system. In addition to wood, the boiler can be fired by gas, oil, coal or electricity.  
The former main level was upgraded with new wall surfacing and oak flooring. A section of the gable roof and ceiling was removed to achieve a spatial continuity with the new second level.  
Kitchen/dining and lounge areas are open to each other visually, but maintain their separateness by use of lighting and varying ceiling heights. The lounge has a skylit cathedral ceiling which is 18 feet high at the peak. The kitchen is fitted entirely with handmade heart pine cabinetry. The superb craftsmanship is readily apparent, particularly in the difficult curved section which separates the kitchen/dining area. Re-milled antique heart pine flooring is used throughout the second level and stairways.

The upper floor contains two bedrooms, oriented to the mountain views. The larger bedroom opens to the lounge below by means of a casement window. The shared bath also has an operable window to below; an antique stained glass panel set in a wood frame; and an operable skylight.  
The exterior appearance was modified by extending the gable lines of the former wings to meet the new infill addition. The entire exterior is covered in an insulated board with a stucco-like finish. The large deck across the front of the house doubles as the owners' dining area in good weather.
Queen Anne’s Cove Harbor Houses
Phase I, Urbanna
G. Warren Vaughan, AIA, Architecture

Owner’s Program: A vacation/retirement townhouse community overlooking the Rapahannock River and Urbanna Creek.

Site Considerations: A master plan organized the units into clusters around parking courts, while taking advantage of the view and the natural terrain.

Design Considerations: The townhouse unit plans provide maximum flexibility through the use of full basements in some units (including each unit in Phase I), with a wood deck at the basement level and the first floor at the rear of each unit.

Energy Considerations: Insulated windows and skylights, heat pumps, and heat-circulating fireplaces in each unit provide energy efficiency for each resident.

Materials: Gray-stained cedar siding with white trim provides a nautical appearance which is appropriate to the waterfront location.

Brooks & Elliott, Inc. of Tappahannock was general contractor for this Phase of the project.

Subcontractors & Suppliers
Other Tappahannock firms were: Essex Concrete Corp., concrete supplier; Harold Smith, gypsum board contractor; Kimsey’s Floor Covering & Home Center, resilient tile & carpet; and Barton & Fleet, Inc., plumbing/heating/ventilating/air conditioning/electrical contractor.

From Richmond were: Richmond Block, Inc., masonry supplier; Binswanger Glass Co., millwork & windows; Hermitage Roofing & Heating Co., Inc., built-up roof; G. E. Contractor Sales, kitchen electrical equipment supplier; and Dodson Bros. Exterminating Co., Inc., termite protection.

Others were: Ewell Farm Nurseries, Williamsburg, landscaping; Redmond Masonry, Heathsville, masonry contractor; Lipscomb Bros. Lumber & Home Center, Mechanicsville, cabinets; Adams Painting Corp., Quinton, painting contractor; and Hutter Corp., Lynchburg, sliding glass doors.

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Private Residence
Albemarle County
Browne, Eichman & Dalgliesh, P.C.—Architect

This project’s program requirements were rather unique and challenging. The owners operate an antique and exotic wood sales office, serving the east coast and various foreign countries, hence, the house should highlight their trade. They requested an open plan for living areas, but with separate bedrooms and play areas for children. Furthermore, the house was to contain a small, but efficient, living area for the wife’s mother, who would use the house as a vacation retreat.

The first floor is split into the two units, sharing a common guestroom and laundry facility. The master bedroom for each unit is located above its respective living area; the children’s rooms are located on a lower level, with direct access to the exterior. As a focal point to the main level, a teak lined sunlit hot tub has been located on the stair landing below the owner’s bedroom.

Major interior finish materials include: Antique wide plank heart pine flooring; heart pine, wormy mahogany and wormy chestnut paneling, and salvaged hand moulded brick. Architectural accents include; custom copper lighting fixtures; salvaged turned wood columns from an old warehouse; heart pine beams and custom milled mantels, trim and cabinets. The exterior is vertically applied fir siding, oversize brick chimneys and a handsplit cedar shake roof.

W. C. Powell of North Garden was general contractor for the project.

Subcontractors & Suppliers
(All Charlottesville firms)
Residence at Bellwood
Montgomery County, Maryland
Daniels-Harrelle-Neuman Associates, Ltd.—Architect

Bellwood is a small subdivision of eight custom designed homes located inside the beltway in Montgomery County, Maryland. The heavily wooded site was developed from a larger estate and the original house was remodeled. Part of the site was set aside for a swimming pool and two tennis courts for use by the eight homeowners. The developers built three homes for themselves, developed this lot for speculation, and sold the remaining lots.

The major design criteria of the house are as follows:
1. Contemporary design with ease of maintenance.
2. Compatibility with the designs of the other houses, while utilizing interesting forms.
3. Preservation of as many trees as possible.
4. Design suitable for an older couple with grown children.

The site area is 28,823 square feet, it is heavily wooded and slopes down slightly from front to rear. The garage and utility areas are located on the northwest corner of the site to shield the house from the winter winds. Trees were preserved around the house to shield it from the summer sun, yet allowing for winter solar gain.

The living room, dining room, kitchen, den, and a large master bedroom suite are all located on the first floor. This arrangement provides for separation from the children's bedrooms and for individual zone controls of the heating and air conditioning systems. The site slope allows for a walk-out basement recreation room. The living room, dining room, den, and master bedroom are oriented toward the private side of the site and are connected on the exterior, to a patio and wood deck, by sliding glass doors. This floor plan provides for the flexibility of indoor-outdoor living and entertaining. The separate dining room allows for formal entertaining. A number of skylights and clerestory windows permit light to enter into the foyer, living room, dining room, and stairway and provide views of the surrounding landscape.

The exterior is vertical stained redwood siding with asphalt shingles and built-up roofing. The interior floors are either hardwood, carpeted, or quarry tile with painted gypsum board walls and ceilings. This house has 5,170 square feet of finished area and 1,155 square feet of garage and unfinished areas. The construction cost was around $275,000.

Rosenkranz, Inc. of Bethesda, Maryland was general contractor and developer for the project.

Subcontractors & Suppliers
Other Maryland firms were: Jefferson & Bucheimer, Inc., Rockville, excavating; Tevy Schlafman, Bethesda, landscaping; Rockville Fuel & Feed, Rockville, concrete supplier; J & R Carpentry, Laurel, carpentry; Greenwald Roofing, Hyattsville, built-up roof; McCormick Paint Works Co., Rockville, paint supplier; Robert T. Higgins, Upper Marlboro, plumbing fixture supplier; and Bruno Electric, Prince George County, electrical contractor.

And, from Virginia were: Springfield Concrete Construction Co., Inc., Springfield, paving contractor; LaRoe Masonry, Nokesville, masonry contractor; Murphy & Ames, Inc., Arlington, millwork; Miller Building Supplies, Bailey's Crossroads, cabinets; Hop's Drywall Service, Inc., Front Royal, gypsum board contractor; Larkin Tile Co., Nokesville, ceramic tile; and Getson Heating & Air Conditioning, Inc., Herndon, plumbing contractor.

Painting contractor was Elwood Mathews and windows were by Caradco Corp.
Powers Residence
Williamsburg
Abbott Associates—Architects/Planners

Private Residence
Mr. and Mrs. Thomas P. Power
Williamsburg, Virginia
Completion Date: November 1979
Building Type: Private residence for family with three teenage children
Owner's Program: To design a private residence for an active family. The house should allow for both parents and teenagers to entertain separately.
Design Solution: The house is composed of two rectangular volumes. The larger volume or "main house" contains family living areas. The smaller volume functions as a recreational space for the children (in future years to be used as a guest house). The outdoor living spaces are created by the rotation of rectangular volumes.

Construction Cost: $107,000
Materials: Wood frame construction
- Exterior siding—1" X 6" western wood siding
- Interior finish—T & G cedar boards, drywall

J. B. Violette Construction Co. of Williamsburg was general contractor and handled painting. The architect handled masonry manufacture/supply and carpeting.

Subcontractors & Suppliers
(Newport News firms unless noted)

Also, Country Kitchens, Smithfield, cabinets; Davenport Insulation, Inc., wall insulation; L. C. Heath Roofing, Inc., sheet metal; Binswanger Glass Co., glass & glazing contractor; Pleasant Hardware, Richmond, hardware supplier; Reynolds Drywall, Williamsburg, gypsum board contractor; Tile Shop, Hampton, ceramic tile & resilient tile; Smith Bros. Enterprises, Inc., Hampton, special flooring; Betty Buy Builders Supply, Inc., Williamsburg, paint supplier (Olympic); Peebles Supply Corp., plumbing fixture supplier; Perfection Plumbing Heating & Air Conditioning, plumbing/heating/ventilating/air conditioning contractor, Noland Co., lighting fixtures/electrical equipment supplier; and A/C Electric Contractors, Inc., electrical contractor.

to tell the Virginia Story

MAY-JUNE 1982
McGuffey Hill Housing
Charlottesville
Smith, Armstrong, Landow Architects, Inc.—Architect


The site for McGuffey Hill Housing is located in downtown Charlottesville, adjacent to the Historic District and the Main Street Mall. It is bounded on the east by a small park playground and on the southeast by the McGuffey Art Center, an old three-story brick school building now leased by the city to local artists. The hillside site, thick with vegetation on steep slopes, is high above a major intersection and offers splendid views of the surrounding mountains. These condominium residences are within walking distance of Charlottesville’s shopping, business, governmental and recreation facilities and are served by city water and sewer facilities.

The 38 residences are located in five separate buildings uniquely designed to fit the special requirements of this site. Each residence includes private balconies, decks or courtyards and is equipped with range, refrigerator, dishwasher and garbage disposal. Heating and air conditioning are provided with energy efficient heat pumps. Major glass areas and balconies are oriented to the south for thermal efficiency.

The deck which shelters parking provides additional playground space and visually separates the residential from the playground area.
There are four residential prototypes:

The Studio consists of a living-dining area, kitchen, bath and one or two bedrooms on one floor.

The Terrace is a large one-floor residence consisting of a living room, separate dining or family room, kitchen, hobby room, two large bedrooms and two baths.

The Townhouse is a three-story residence with a kitchen, dining room, living room and bath on the first floor, two bedrooms and a bath on the second floor and another bedroom and bath on the third.

The Penthouse, located above studio and terrace residences, consists of a living-dining area, bedroom, large kitchen and bath on the main floor with an additional bedroom and bath on the second floor.

The design is responsive to the complex topography on a center city site which is an important visual focus of the downtown area, the adjacency of a neighborhood playground and community arts center, limited access and the protection of a variety of beautiful trees.

The buildings are given character through the palette of material, a combination of silhouettes, scale, color and landscaping which blend harmoniously with the surrounding neighborhood.

Richard J. Funk, Builder, Inc. of Charlottesville is general contractor and handled, sodding, seeding, etc., carpentry and caulking.

Subcontractors & Suppliers
(Charlottesville firms unless noted)


Also, Virginia Insulation Corp., roof insulation & wall insulation; Charlottesville Glass & Mirror Corp. and Virginia Glass Co., Inc., glass & glazing contractors; Martin Hardware Co., hardware supplier; Frank E. Ware, Plastering & Drywall Contractor, gypsum board contractor; Richard A. Oliva & Sons, Inc., ceramic tile; The Ceiling and Floor Shop, resilient tile & carpet; and D. W. Foster, Inc., painting contractor.

Others were: Sears, Roebuck and Co., Inc., specialties—residential appliances; Maddux Supply Co., plumbing fixture supplier; W. E. Brown, Inc., plumbing contractor; Ray Fisher & Ron Martin, Inc., heating/ventilating/air conditioning/electrical contractor & electrical equipment supplier; Interstate Electric Supply Co., Inc., lighting fixtures supplier; Manson & Utley, Inc., contractor for cement plastic composition on rigid insulation; and Southwestern Lightweight Concrete, Inc., lightweight concrete supplier.
There is a tiny building on the shores of the main canal in Amsterdam which is always pointed out to tourists taking the water-bus tour as the Narrowest House In The World. It is three feet wide and three stories high, just sitting there on the water between two mansions. One imagines it might have been just a passageway at one time and now is a unique living quarters for someone, probably a very thin person.

Seeing it raises the question of how narrowly a house can be designed for adequately comfortable living. One answer might be: See the Rudee Inlet Condominiums on Terrace Avenue. They are 16 feet wide, just the width of a medium-sized room, and three stories high. Ten units of this size (1,500 square feet) are situated between two end units of larger dimensions. Located on the water, each has its own private boat dock, balconies facing the water and a south orientation for passive solar energy efficiency.

Rudee Inlet is a study in high-density living, which is one of the coming trends for future building as land costs become a primary concern. The size of the entire site is 48 acres, yielding a theoretical density ratio of 25 units to the acre, which is more than twice the usual density ratio for a townhouse project.

Each condominium has its own private backyard, fenced in cedar planks to match the cedar siding of the home's exterior. The first floor is comprised of a den, garage and hallway leading to the boatdock out back. The second floor contains the living/dining area, kitchen and a half bath. The third floor has two bedrooms and two baths. So they are ideally suited for one or two persons to live quite comfortably and economically together with all the allurements of passive solar living on the water.

Special features include a spiral stairway from the first to the second floor, fireplaces in the living rooms, an eight-inch masonry block firewall between each unit for sound proofing and for storing the solar heat. Tenants say their utility bills are pleasingly low.

Almond Construction Co. of Virginia Beach was general contractor and handled carpentry and painting.
Two professional builders in Virginia Beach, Arnold Salasky and Jon Sedel, retained The Design Collaborative to design their bachelor duplex in an established residential section near the beach. They asked for the amenities of gracious living as well as the cost-effective energy-saving features of passive solar design.

The site is a large corner lot with southern and eastern exposure. The clients wanted a beach house deluxe, a place to entertain friends and clients with a leitmotif of sand-sea-and-sky running through the design. Juniper wood siding set at an angle, stained with weatherproofing oil stain, is the color of pale, golden sand. Sea green colors the front door and iron stairways on the balconies. Interiors are soft white with sand-colored hardwood floors. Handrails on the stairs of natural oak, antiqued in white with sea green reveals, provide eye appeal.

The house takes advantage of the sun’s energy, beginning with the enclosed roof decks with their built-in banquettes of sand-colored juniper planks. The sundeck has a breathtaking view of the Atlantic Ocean and is perfect for summer evening social gatherings, intimate starlight dinners or a retreat into breezy seclusion, ocean-gazing and relaxation. Peering down from the top of three stories, the tops of the pine trees form an inland sea of green just a few feet from the boundaries of Seashore State Park, a bird and wildlife sanctuary. The lot is landscaped with clusters of pilings and driftwood logs, set among the shrubs and pine needles.

Balconies off the third floor bedrooms let in the winter sun to warm the room naturally. A built-in bank of drawers facing the closets provides a semi-private dressing area in the bedroom, while the other side which faces the bed contains shelves for books, television, art objects, etc. Second floor balconies lead from the living/dining area and their sliding glass doors are protected from the hot summer sun by overhangs from balconies above. While all the balconies are shielded by fin walls for privacy between the units and at the extremities of the building, there are trapezoidal cut-outs in the wall, allowing one to view the ocean as if looking through a transparent sail.

Soft white interiors reflect light from the skylights overhead and from circular windows in the east and west walls. Angular spaces created by the turns in the open stairways allow the flowthrough of light from many directions. Ceiling fans add charm to energy efficiency. The units are mirror images of one another in the floor plan arrangements.

In the kitchens, ceilings rise to 18 feet and the room can be viewed from interior balconies on the third floor. Inside temperatures on some winter days are up to 80°F and there is not the need for electric heating.

Fireplaces in the living rooms have devices for recirculating the heat. Floor air is drawn up under the cutout beneath the fireplace and pumped to the heat exchanger behind the fireplace, warmed, and blown out through vents in the side of the suspended arched mantel. A ceramic tiled ledge is built out in front of the fireplace as a cozy seating space for fireside chats. Blues, greens and aquamarines reinforce the leitmotif of sand-sea-and-sky in the interior furnishings.

The white tiled entrance hall on the first floor displays a rock garden under the stairs, filled with exotic plants. There is a bedroom, bathroom...
and laundry room downstairs and a convenient at-home office just inside the front door.

The owners, Salasky-Sedel, Inc. of Virginia Beach, acted as general contractor for the project.

Subcontractors & Suppliers
Other Virginia Beach firms were: Premier Millwork & Lumber Co., Inc., handrails & millwork; Ayers Insulating & Supply Co., Inc., wall insulation; Beach Glass Co., glass; Garmon T. Justis, Jr., Paint Contractor, painting contractor; Beach Hardware & Paint, Inc., paint supplier; Schell Supply Corp., plumbing fixture supplier; and R. A. Styron Heating & Air Conditioning, Inc., heating/air conditioning contractor.

Norfolk firms were: Lone Star Industries, Inc., concrete supplier; H & H Construction Co., carpentry; Addington-Beam Lumber Co., Inc., structural wood & wood doors; Kitchen Towne, Div. of Towne Distributors, Inc., cabinets & wall covering; Seaboard Building Supply Co., hardware supplier; I. M. Tile, Div. of Artistica, Inc., ceramic tile supplier; Rug Shops of Maurice Unger, carpet; J & S Plumbing & Heating, plumbing contractor; Atlantic Electric Supply, lighting fixtures supplier; and Hightower Electric, electrical contractor. Also, Andersen Windowwalls of Bayport, MN, windows and window wall.
This complex of 32 quadraplex buildings provides 120 apartments for low and moderate income families and is located on a 12-acre sloping site in Harrisonburg. Each building contains either four two-bedroom, four three-bedroom, or two four-bedroom townhouse type apartments. There are also four one-story flats specially designed for wheelchair residents and a separate community building. The community building contains a large meeting room, rental offices and a central laundry. Besides three tot-lots the development includes a playground for older children and a multi-purpose court.

The principle design feature of the complex is the distribution of the buildings around parking "fingers" served by a central road system. This allows the buildings to be grouped as "neighborhoods" and provides, between them, an interconnecting greenspace free from vehicular traffic.

All the buildings have been oriented due south, with their main roof sloped in that direction to allow for future addition of a solar hot (Continued on page 63)
James F. Tucker, AIA of Warrenton was awarded a 1980 Design Award from the Northern Virginia Chapter AIA for his design of the Points of View Farm Tenant House. The award was for a project with a construction cost of under $100,000. This design incorporates passive solar heating and ventilation for the small farm manager/tenant house which was constructed by Monecs Corporation of Boston, Virginia for Patricia Saltonstall, owner of Points of View Farm, Flint Hill.

The owner's program was to produce a small residence of 1000 net square feet, with two or three bedrooms, for use as farm manager/tenant house. The house was to be designed and sited for supervision of farm land at the lowest possible construction and operation cost.

A design was produced for a compact passive solar house which could be built as a two or three bedroom, one-and-a-half or two-and-a-half bath house. The passive solar design incorporates an earth mass storage system, with near total north and south wall area plenums for heat collection and distribution. Total building area is 1550 square feet, providing a net floor area of 1250 square feet. Total construction cost for the entire house was $56,300.

To achieve lowest cost feasible, building materials and solar heat system components were selected for lowest initial cost with twenty year or greater life expectancy. Double walls of low cost, insulated glass sliding doors and windows perform functions of solar collectors, while heat distribution is achieved by natural thermal convection through plenums. An active solar domestic hot water heating system design is provided on the south wall. Equipment may be installed at a later date.

Architect's design calculations indicate that back-up heat for one season can be supplied by one-half cord of firewood. Firewood is readily available on the farm, and a small wood stove/fireplace is provided for heating emergencies.

The site is gently rolling farm land which abuts a small mountain to the north. The house provides security for the cattle farm through its visual command of the fields.

Monecs Corporation of Boston, Virginia was general contractor and handled carpentry, structural wood and cabinets.

Subcontractors & Suppliers
Canton Construction, Washington, Va., excavating; Myers Welding, Front Royal, handrails; Martin Woodard, Washington, Va., masonry contractor; B & B Roofing, Waterlick, roofing; Omar Stoltzfus, wall insulation & painting contractor; Caradco Windows, windows; Norandex Aluminum Building Products, Norfolk, window wall; Kennedy, skylight, and Pleasants Hardware, Richmond, hardware supplier. Also, Superior Drywall, Midland, gypsum board contractor; Culpeper Carpet & Ceramic Center, Culpeper, ceramic tile; Early's Carpet, Amisville, resilient tile; J & H Aitcheson, Falls Church, plumbing fixture supplier; Everett Estes, Washington, Va., plumbing/electrical contractor; and Piedmont Electric, Manassas, lighting fixture supplier.
Residence for Mr. & Mrs. Henry Harrell
Richmond
Marcellus Wright Cox and Ladd—Architect

Structural Engineer. Harris Norman Giles & Walker
• General Contractor. Thomas H. Harris, Jr., Builder, Inc. • Photography. Don White.

Situated on a hillside facing north overlooking a small lake on a secluded heavily wooded site west of the city, this residence was designed to reflect the owner's desire for private country living.

The plan is quite traditional in a sense but informal in execution. Nearly every space has at least two exposures with ample access to natural light and cross ventilation. The house is divided into zones with the center devoted to entertaining in an L-shape including entry, living and dining.

Entry is gained through a low foyer into a two-story living area facing the lake. A low area adjacent to the living area houses a more informal setting and bar, also facing the lake view.

The entrance gallery, with stairs to the family living quarters on the upper level, parallels the axis of the house and connects the kitchen—family and guest quarters/library on opposite ends of the house. The stairway landing overlooks the sloped-ceilinged dining room on the entrance drive approach.

Materials are wood, color stained with painted trim for low maintenance but to accentuate the house from the wooded setting. Detailing is simple but consistently elegant throughout the house. Interior materials are also traditional, wood and plaster.

On the upper level, a bridge overlooking the main living/entertaining area connects the master bedroom suite, also overlooking the lake, with the children's rooms on each end of
the house. A deck partially screened-in parallels the entire house on the lakeside.

Thomas H. Harris, Jr., Builder, Inc. of Richmond was general contractor and handled carpentry and waterproofing.

Subcontractors & Suppliers
(Richmond firms unless noted)

C. F. Richmond, Inc., Crozier, excavating; T. W. Henley, Rockville, landscaping; R. H. Pierson, foundations; Hughes Steel Co., Inc., Mechanicsville, steel supplier; Ruffin & Payne, Inc., handrails, structural wood, millwork & paneling; Kitchen Center, Glen Allen, cabinets; and W. R. Stansbury & Bro., caulking, painting contractor, special wall finish and wall covering.

Also, Jacobs “Ladder” General Contracting, Ashland, roofing; O. W. Weiler, wall insulation; H & H Heating & Air Conditioning, Inc., sheet metal & heating/ventilating contractor; Pleasants Hardware, hardware supplier; J. N. Wolfe, Bumpass, gypsum board contractor; Morris Tile Distributors, Inc., ceramic tile; Costen Floors, Inc., special flooring; Benjamin-Moore, paint manufacturer; Wade L. Eatmon Plumbing & Heating, plumbing contractor; and Cornell & Waldauer, electrical equipment supplier/electrical contractor.
Mervis-Glasser Duplex
Virginia Beach
Richard L. Grimstead, AIA—Architect/Engineer

Completed in September 1980, the Mervis-Glasser Duplex is located on Dupont Circle in Virginia Beach. The project consists of two three-bedroom residential units on a very constrained site, with a spectacular view of the busy shipping lanes of the Chesapeake Bay.

The two units were constructed on wood pilings with the ground level left open to permit the natural movement of the shifting sands of the bayfront. Each unit was designed to accommodate the requirements of two different styles of living.

The Mervis unit, number 3749 Dupont Circle, is designed to fit the lifestyle of a carefree bachelor, while the Glasser unit, number 3751 Dupont Circle, is designed to the needs of a young married couple.

Although the units' floor plans are entirely different, there are similarities. The first level above the ground serves as the main living area
of each. The living room, dining room and kitchen are located on this level. The second level is occupied by the master bedroom in each unit, and two smaller bedrooms are located on the third level.

The structure was purposely oriented toward the Chesapeake Bay to afford practically all rooms with a view of the Bay.

Hudgins Real Estate Co. of Virginia Beach was general contractor and handled carpentry, millwork, waterproofing, caulking, built-up roof and other roofing. The firm also handled roof/wall/foundation insulation, glazing, gypsum board installation, ceramic tile and painting.

Subcontractors & Suppliers
(Virginia Beach firms unless noted)


Also, Seaboard Building Supply Co., hardware supplier; Hudgins Rugs & Carpets, carpet; Glidden Coating & Resins, paint supplier/manufacturer; Princess Anne Plumbing & Electrical Suppliers, Inc., plumbing fixture supplier & plumbing/electrical contractor; Smith & Keene Electric Service, heating/air conditioning contractor; and Atlantic Electric Supply, Norfolk, lighting fixtures supplier.
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contrasting texture to the whiteness and smoothness of the rest of the house.

An entrance hall soars to 20 feet and is surrounded on three sides by a mosaic of windows of varying dimensions flanking the wooden door and its side panels of glass.

A panorama of scenery and morning sunlight illuminates the spacious kitchen and breakfast area from the long bank of windows on the east and the glass window walls facing the south balcony.

The playroom and bedroom areas in the children's wing have whole walls of built-in drawers, shelves and cubby holes for stashing toys, books, records and secret treasures. Brightly painted graphic designs decorate the clean white walls, their tints continuing through the width of the mini-blinds for an uninterrupted flow of color around the room.

C. F. Hardy Building Corp. of Virginia Beach was general contractor and handled excavating, concrete work, masonry work, steel erection, carpentry, roofing, plaster and gypsum board installation, electrical equipment supply and electrical work.

Subcontractors and Suppliers
(Virginia Beach firms unless noted)
Stringwood Landscape Nursery, Carrsville, landscaping; Lone Star Industries, Inc., Norfolk, concrete supplier & masonry manufacturer; Chesapeake Steel, Inc., Norfolk, steel supplier; Kempsville Building Materials, Inc., structural wood; Andersen Windows & wood doors; H & L Corporation, millwork; Yukon Lumber Co., special paneling; The Shed, cabinets; and A-1 Roofing Service, built-up roof.

Also, Insulation Service Co., Inc., roof/wall/foundation insulation; Glass Corporation, Norfolk, glass & glazing contractor; Seaboard Building Supply Co., hardware supplier; Ceramic Tile of Fla., Inc., ceramic tile & resilient tile; Cofers, Inc., carpet; Floor Magicians, special oak flooring; Tom Kenney, painting contractor; Schell Supply Corp., plumbing fixture supplier; Simmons Heating & Cooling, heating/ventilating/air conditioning contractor; Hillegass Lighting Corp., Chesapeake, lighting fixtures supplier; and Tom Evans of Greenleaves, interior plants.

Subcontractors and Suppliers
(Virginia Beach firms unless noted)
Stringwood Landscape Nursery, Carrsville, landscaping; Lone Star Industries, Inc., Norfolk, concrete supplier & masonry manufacturer; Chesapeake Steel, Inc., Norfolk, steel supplier; Kempsville Building Materials, Inc., structural wood; Andersen Windows & wood doors; H & L Corporation, millwork; Yukon Lumber Co., special paneling; The Shed, cabinets; and A-1 Roofing Service, built-up roof.

Also, Insulation Service Co., Inc., roof/wall/foundation insulation; Glass Corporation, Norfolk, glass & glazing contractor; Seaboard Building Supply Co., hardware supplier; Ceramic Tile of Fla., Inc., ceramic tile & resilient tile; Cofers, Inc., carpet; Floor Magicians, special oak flooring; Tom Kenney, painting contractor; Schell Supply Corp., plumbing fixture supplier; Simmons Heating & Cooling, heating/ventilating/air conditioning contractor; Hillegass Lighting Corp., Chesapeake, lighting fixtures supplier; and Tom Evans of Greenleaves, interior plants.

Subcontractors and Suppliers
(Virginia Beach firms unless noted)
Stringwood Landscape Nursery, Carrsville, landscaping; Lone Star Industries, Inc., Norfolk, concrete supplier & masonry manufacturer; Chesapeake Steel, Inc., Norfolk, steel supplier; Kempsville Building Materials, Inc., structural wood; Andersen Windows & wood doors; H & L Corporation, millwork; Yukon Lumber Co., special paneling; The Shed, cabinets; and A-1 Roofing Service, built-up roof.

Also, Insulation Service Co., Inc., roof/wall/foundation insulation; Glass Corporation, Norfolk, glass & glazing contractor; Seaboard Building Supply Co., hardware supplier; Ceramic Tile of Fla., Inc., ceramic tile & resilient tile; Cofers, Inc., carpet; Floor Magicians, special oak flooring; Tom Kenney, painting contractor; Schell Supply Corp., plumbing fixture supplier; Simmons Heating & Cooling, heating/ventilating/air conditioning contractor; Hillegass Lighting Corp., Chesapeake, lighting fixtures supplier; and Tom Evans of Greenleaves, interior plants.

Subcontractors and Suppliers
(Virginia Beach firms unless noted)
Stringwood Landscape Nursery, Carrsville, landscaping; Lone Star Industries, Inc., Norfolk, concrete supplier & masonry manufacturer; Chesapeake Steel, Inc., Norfolk, steel supplier; Kempsville Building Materials, Inc., structural wood; Andersen Windows & wood doors; H & L Corporation, millwork; Yukon Lumber Co., special paneling; The Shed, cabinets; and A-1 Roofing Service, built-up roof.

Also, Insulation Service Co., Inc., roof/wall/foundation insulation; Glass Corporation, Norfolk, glass & glazing contractor; Seaboard Building Supply Co., hardware supplier; Ceramic Tile of Fla., Inc., ceramic tile & resilient tile; Cofers, Inc., carpet; Floor Magicians, special oak flooring; Tom Kenney, painting contractor; Schell Supply Corp., plumbing fixture supplier; Simmons Heating & Cooling, heating/ventilating/air conditioning contractor; Hillegass Lighting Corp., Chesapeake, lighting fixtures supplier; and Tom Evans of Greenleaves, interior plants.
Lawrence Residence
White Stone
G. Warren Vaughan, AIA, Architecture

Owners's Program: A vacation residence with pool, boathouse, and outdoor recreation area for a family with two children. Future use of residence for retirement should be a consideration.

Site Considerations: The site is high on a bluff on the northern shore of the Rappahannock River. Views of the water and a nearby bridge, as well as proximity to an adjacent residence were primary considerations.

Design Considerations: Organized around a design parti of two connected cubes, each with a pyramid roof, the plan reflects a clear delineation of public and private spaces, which intersect at the connecting point. The public side of the house contains the major living spaces, including a double-height living room, all exposed to views of the water, which wrap around a central service core. The private side contains the sleeping spaces, which also have views of the water and wrap around a central service core. On the second floor of the bedroom wing is a private bedroom suite with dressing room and bath for the owners. The powerful form of the roof is visible above the berms which wrap around the north side of the house. The boathouse is a diminutive repetition of the form of the larger building.

Energy Considerations: A deep veranda wraps around the southern (riverfront) side of the house, which is oriented diagonally in relationship to the river. The veranda offers protection from harsh reflected sunlight in summer, yet allows the low winter sun to penetrate and warm the house. The north elevation has few openings, which along with the berms on the site, offers protection against the cold north winds. Eleven skylights offer natural lighting throughout the house. A zoned heat-pump system, together with an attic fan, offers maximum flexibility in climate control.

Materials: Bleached cypress siding offers a natural appearance and easy maintenance. Casement windows with white vinyl-clad frames to tell the Virginia Story
offer a crisp accent to the siding while providing good resistance to harsh weather. A Western red cedar shingle roof, with copper flashing, blends with the siding, and a single membrane, flexible sheet roofing system covers the flat areas at the center of each pyramid.

Heindl-Evans, Inc. of Mechanicsville was general contractor for the project.

Subcontractors & Suppliers

Virginia Landscaping & Excavating, Inc. / William Smith, Kilmarnock, excavating; John Sebra & Son, foundations; Kitchen Center, Glen Allen, cabinets; Wood Roofs, Inc., roofing; G. T. Duke Insulation Co., Inc., Richmond, wall insulation; Andersen Corp., Bayport, MN, windows; Capitol Floors & Decorating, Inc., resilient tile & carpet; Leonard Mintor, Highland Springs, painting contractor; Benjamin-Moore, Inc., Colonial Heights, paint manufacturer; Douglas Aquatics, Inc., Mechanicsville, swimming pools; Conway Plumbing, plumbing contractor; Tri-County Heating, Kilmarnock, heating/ventilating/air conditioning contractor; Noland Co., Newport News, lighting fixtures supplier; and W. J. Whitley, Gloucester, electrical contractor.

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The American Dream ... (From page 7)
reduce construction costs. Higher density building will allow more people to live on less land, cutting costs and furnishing more homes. Builders are learning how to build homes faster and to build them smaller. Housing, it seems, must now go through some of the pains recently suffered in Detroit—"downsizing." The market is already shifting away from large buy-up homes to smaller models tailored to the needs of first-time buyers with smaller families. Architects and designers are learning to adjust to builders' and buyers' budgets, and builders are learning to adjust to these architects' and designers' new plans. And, everyone in the industry is learning about the various new mortgage tools. Ultimately, and optimistically, the end results should be a better educated builder, a better educated buying public, and better and more efficiently designed housing.

Not long ago, President Reagan agreed to an extensive interview with executives of PROFESSIONAL BUILDER magazine answering many questions specific to the industry. This March, he met personally with Fred Napolitano, president of the National Association of Home Builders, to consider an emergency stimulus program which would help both home buyers and home builders. These meetings perhaps the best indication of his feelings of the importance of the housing industry.

In his interview with PROFESSIONAL BUILDER Reagan predicted that by the end of the second quarter of 1982, the cost of funds to savings institutions should fall below lending rates and that mortgage money would then be more plentiful.

"In particular," he said, "I expect that the trend since 1970 of increasingly higher homeownership rates among young households will reverse itself."

The Kiplinger Letter predicted a recovery beginning in late spring with inflation down to eight percent or less for the entire year. Home prices have already eased in a competitive market, but will probably rise again slightly as pent-up demand enters the market.

Interest rates will fluctuate, continuing downward, then up slightly with business improvements. The prime is predicted to dip to 13 percent or 14 percent, then climb to 15 percent. Mortgage rates will slip to near 14 percent.

Standard & Poor's Corporation's survey of nine major industries showed bright prospects for the housing industry in the second half of 1982, with construction contracts estimated to reach $169 billion, up 15 percent from the $148 billion estimated for 1981.

On the whole, I believe the industry can look forward to many improvements as a smoother pattern of housing growth develops in a healthier economy.

Housing, in the long run, will remain a good investment. Single family homes will probably continue to rise in value, although more slowly. Accumulation of equity, as opposed to paying rent, will remain a disciplined way to build capital, and savings on investing in a home with the first year tax break on interest will continue to be attractive.
Gypsy Hill House
(From page 25)

Financing for the complex was provided by the Virginia Housing Development Authority with residents also receiving rental assistance under the HUD Section 8 Program.

Hughes & Dalton Construction Co. of Danville was general contractor and handled concrete work, carpentry, structural wood (roof trusses), millwork, cabinets, waterproofing, metal doors and frames, wood doors, and windows.

Subcontractors & Suppliers

Glennie R. Campbell, Stuarts Draft, excavating; Charles C. Finney Jr., Inc., Danville, landscaping contractor; Farrier Paving Co., Staunton, paving contractor; Fabricated Metals Industries, Inc., Roanoke, steel supplier/roof deck & miscellaneous metals; Gupton Insulation Co., Inc., Clarksville, built-up roof & sheet metal; and Davenport Insulation, Inc., Harrisonburg, roof insulation and wall insulation.

Also, Skyline Paint & Hardware, Inc., Roanoke, hardware supplier; Millers Drywall, Inc., Harrisonburg, gypsum board contractor; The Standard Tile Co., Verona, ceramic tile; King Industries, Inc., Norfolk, carpet; H. T. Patterson, Greenville, painting contractor; R. W. Cash Mechanical Contractors, Inc., Staunton, plumbing/heating/ventilating/air conditioning contractor; and Oakes & Motley Electric Co., Inc., Danville, electrical contractor.

Mosby Heights (From page 53)

water system. Other special energy features include window locations based on passive design objectives and front entry vestibules.

The primary exterior material is stained plywood siding with wood trim. Each of the buildings alternate color of siding and trim as a way to individualize the units. Every apartment has its own entrance and private exterior patio.

Financing for the project was provided by the Virginia Housing Development Authority with residents receiving rental assistance under HUD's Section 8 Program.

Hughes & Dalton Construction Co. of Danville was general contractor and handled foundations, concrete work, miscellaneous metal, carpentry, structural wood (wood trusses), millwork, cabinets, metal doors and frames, wood doors and windows.
This project consists of a large addition to a private residence in Chesterfield County. The existing early 19th century farmhouse had much charm, but it was also cramped and inconvenient. The family’s need for additional space called for a volume almost as large as the existing house. To maintain the integrity of the older structure, the addition was designed as a separate structure, offset from the original so that it did not block the view of its original walls. The two buildings are connected by a greenhouse and screened porch which can be enclosed with plastic insulating panels in cold weather.

The north side of the addition, seen from the approach, suggests a farm building, with rows of small square windows. On the east side of the addition, which is perpendicular to the north side of the original house and its entrance, a deep recess duplicates the lines of the double chimney on the parallel side of the old house, as a way of relating the old and new. The double chimney is the strongest feature of the old house, and its negative image in the addition is the strongest feature of the new. The colors are also reversed; the recess is painted white like the walls of the original house, and the walls of the addition are the same dark red as the chimney and the nearby farm buildings.

On the south side, sliding glass doors open onto a brick terrace, which has two features: a curved brick seating wall and a small gazebo-like structure that actually houses a new entrance to the basement of the old house. The brick paving of the terrace extends into the eat-in kitchen which fills the south side of the addi-
This space is dominated by a massive masonry fireplace, which contains passages for circulating warm air to the bedrooms on the north side, and from the peak of the two-story space back down to the floor. Brick floors and slab and the masonry wall enclosing the fireplace act as a passive solar heat sink, absorbing heat from sunlight falling through the large glazed wall on the south and clerestory windows above.

The addition is designed for accessibility for the disabled. A bedroom and bath with a roll-in shower occupy the north side of the ground floor, and another bedroom and bath above complete the program.

Thomas W. Anderson of Richmond was general contractor for the project.

Subcontractors & Suppliers
(Richmond firms unless noted)
Lone Star Industries, Inc., concrete supplier; Concrete Pipe & Products Co., Inc., masonry supplier; Southside Builders Supply Corp., mortar; A. E. Tate Lumber Co., Inc., millwork; East End Fixture Co., cabinets; W. A. Patterson, roofing; Thermo-Press Corp., windows; J. A. Nearing & Co., Laurel, MD, window wall (greenhouse); Fendley Floor & Ceiling, Inc., carpet; M. P. Barden & Sons, Inc., painting contractor; R. J. Tilley Plumbing & Heating, Inc., Ashland, plumbing contractor; Howell Heating & Air Conditioning, Ashland, heating contractor; and J. L. Minter Electrical Contractors, Inc., electrical contractor.
Plan Ahead for Virginia Wine Industry's Gala Weekend Celebration

The Jeffersonian Wine Grape Growers Society of Charlottesville, whose members own over one-third of Virginia's wine growing country, will hold their annual Albemarle Harvest Wine Festival on Saturday, October 16th, at The Boar's Head Inn. Thousands of people attended last year's similar event and more are expected this year.

The festivities will begin on Friday evening, October 15th, with an unusual Bacchanalian Feast in the Ballroom. Six courses with accompanying wines will be presented according to the culinary traditions of Ancient Greece on through history to Virginia of Thomas Jefferson's era. Family style feasting with costumed entertainers and dancing will be featured. Herbs, fruits and flower essences will highlight the celebration of Bacchus. The public is cordially invited for twenty-five dollars per person. Reservations must be accompanied by checks.

The next morning, Saturday, October 16th, The Annual Albemarle Harvest Wine Festival will begin at nine a.m. and continue until five p.m. Some of the day's activities include vineyard tours, 45 wine-related exhibits under a tent by the lake at the Inn, and wine tastings from Virginia's farm wineries. The program in the Inn Ballroom will begin at 10:30 a.m., with a gourmet cooking demonstration by Chef André Argaud, owner of Charlottesville's Gallery Restaurant and former Chef of the British Embassy in Washington, D.C. He will feature Duckling, Marchand de Vin, and Salmon Papillote au Champagne, using Virginia wines.

The afternoon program begins at 2:30 p.m. with noted viticulturist, Lucie Morton Garrett's talk, "Virginia Comes of Wine Growing Age." Guest of honor, Dr. Gianni Zonin of Vicenza, Italy, will speak on "Our Virginia Commitment." The Boar's Head Inn's Award for Advancement in Viticulture will be presented at 3:30 p.m. Admission to the festival is $3.50. There will be a special charge of $1.00 per person for the gala cooking demonstration. October 15th-16th are not-to-miss days for wine lovers.

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Education and Enjoyment Featured at AGC Convention—1982

While most folks count the new year from January 1, for Associated General Contractors of Virginia, the year begins the third week in January, with the Annual Convention at The Homestead, Hot Springs.

This year's convention dates, January 21 through 24, had the second highest attendance to date. This, in spite of a snow storm and icy roads that prevented two of the featured speakers from arriving. The inclement conditions brought only a few cancellations from the contractors who are used to persevering in any kind of weather.

A special highlight of the convention was the designation of Charles Lambert of R. D. Lambert & Sons, Inc., Chesapeake, as Construction Man of the Year, one of AGC's most prestigious awards. Lambert served as president of AGC of Virginia in 1980 and was recently elected to the National Board of Directors of AGC. He has served for many years on numerous AGC committees, both state and national, and continues active.

Congressman Paul S. Trible was the featured speaker at the Awards Luncheon at which Lambert received his award. Trible's message was thought-provoking, and enjoyable and many AGC members were pleased to hear within the week that he had announced his candidacy for the U.S. Senate race this fall.


An enjoyable ladies' program, planned by the wives of the convention committee, featured programs on securities, decorating with Oriental rugs, and a make-up demonstration by a national representative of Elizabeth Arden.

NEW OFFICERS

At the final banquet, new officers for the year were installed by H. C. Heldenfels, National Senior Vice President, (now President) of the AGC of America. The new officers are: President—Jack B. Bays, President of Jack B. Bays, Inc., McLean; First Vice President—Walter B. Caldwell, Head of Marketing and Sales for John B. Daniel & Co., Inc., Danville; Second Vice President—Q. M. Tomlinson, President of Q. M. Tomlinson, Inc., Roanoke; Secretary—Ellis M. Tusing, President of Ellis & Company, Harrisonburg; and, Treasurer—Aubrey S. Bass, Jr., President of Bass Construction Company, Inc.

ASSOCIATE DIVISION

The new Chairman of the Associate Division is Edwin C. Jennings, Jr., Vice President and General Manager, Liphart Steel Co., Inc., Verona. The Vice Chairman is Henry L. Andrews, Vice President of Thompson's Ready-Mix, Inc., Danville.

The new officers for the Associate Division are: Chairman—Edwin C. Jennings, Jr., Liphart Steel Co., Inc., Verona; Vice Chairman—Henry L. Andrews, Thompson’s Ready-Mix, Inc., Danville; Secretary—Ellis M. Tusing, Smith-Wimer, Inc., Lyndhurst; and, Treasurer—Aubrey S. Bass, Jr., Bass Construction Company, Inc.

BOARD OF DIRECTORS

Re-elected from the general membership to the Board of Directors were: George H. Clarke, Chairman of the Board of Kenbridge Construction Co., Inc., Kenbridge; and R. Tom DuPuis, Executive Vice President, Pendleton Construction Corp., Wytheville.

Also elected, to a first term, from the general membership were: Jack Downy, President of Buildex Design, Inc., Alexandria; John B. Wimer, Secretary-Treasurer of Smith-Wimer, Inc., Lynchburg; and Donald D. Sours, Vice President, R. E. Lee & Son, Inc., Charlottesville.

Congressman Paul S. Trible was the featured speaker at the Awards Luncheon.

to tell the Virginia Story
Mix, Danville; and W. Roger Rowland, Sr., President, Rowland Electric Co., Inc., Marion. Elected for a first term as Associate Division Director was E. M. Jack Martin, E. M. Martin, Inc., Charlottesville.

In other activities, H. C. Heldenfels and Assistant Executive Director of National AGC, John W. Sroka presented an overview of AGC activities nationally, during the national report session. "The Singing Hoosiers," of Indiana University, provided entertainment.

Members of the convention committee who planned so well were: Chairman—Mitchell Mays, Montague-Betts Co., Inc., and his wife Kathryn Mays; Sandy Frazier, Frazier Construction Co., and Donna Frazier; O. Hume Powers, Al-Steel Fabricators, Inc. and Pat Powers; and E. O. Shawalter, F. L. Showalter, Inc. and Ann Showalter.

The convention committee for next year will be headed by Nick R. Costellano, of Fred S. James & Co., Inc. of Virginia.

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MS. LIDA DERZOOKIAN, IBD

Interior Designer Wins Awards

- Ms. Lida Derzookian, IBD, of Design Collaborative in Alexandria, has been named a winner in the 1981 IBD/Interior Design Magazine Contract Design Competition. Ms. Derzookian won First Place in the Historical Restoration and Second Place in the Institutional competitions for the renovation and conversion of historic Fenwick Hall Plantation, Charleston, South Carolina into an alcoholic rehabilitation center. The design was completed while she was a senior designer for the Psychiatric Institutes of America, Washington, D.C.

Ms. Derzookian holds a Bachelors of Interior Design from the International Institute of Interior Design and a Bachelors degree from the University of Maryland. At Design Collaborative, an interior design/ space planning firm, she concentrates on hospital and health care projects, as well as consulting on psychiatric care facilities design. Ms. Derzookian's recent projects include Hadley Memorial Hospital, Washington, D.C.; Rockingham Memorial Hospital, Harrisonburg; and Community Hospital of Roanoke Valley.
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