

# VIRGINIA RECORD

SEPTEMBER 19



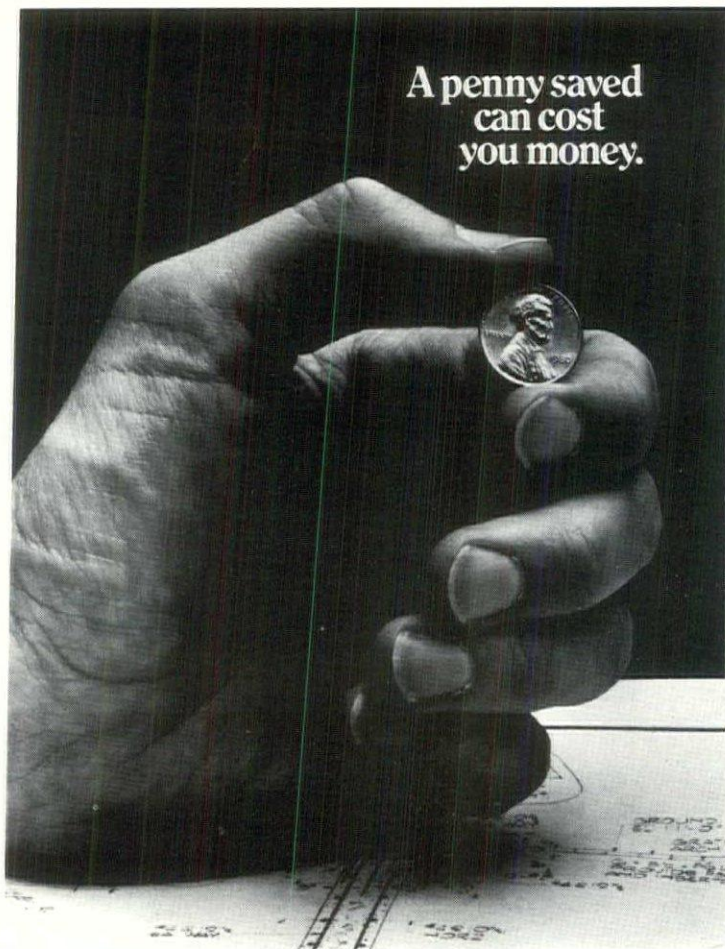
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JOE H. YOUNG  
Executive Editor

ANITA R. BRENNAN  
Associate Editor

GUY FRIDDELL  
Our  
Roving Observer



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ON OUR COVER is a view of Washington Square, presented on page 29 of this issue by Walt Robbins, Inc. (Cover photo by Fred Lieberman)

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# Guy Friddell our *Roving Observer*

## *Jefferson Would Relish It*

One of the vivid accompaniments of our childhood, if you remember, was the Red-headed Woodpecker. The male is the only woodpecker whose entire head is red, as if it has been dunked upside down into a bucket of red paint.

When the Red-headed Woodpecker flew across our vision, his glossy black wings with white patches flashing like semaphore flags, he never failed to excite attention. He was an everyday spectacular of which you never tired. Sadly, it has been years since I've seen one. I'm sorry that today's young have been deprived of that bright embroidery to their days.

Just now, poring over the new third edition of "Louisiana Birds" (published by the Louisiana State University Press, Baton Rouge, 70803, \$25), I learned the cause of the Red-head's decline. The main factor operating against the Red-head, writes George H. Lowery Jr., is the competition of the European Starling. Ever since starlings were introduced into New York City in the last part of the 19th century, the species has spread southwest to Mexico and south to Florida. And because starlings nest in tree cavities, their habits have brought them into conflict with the Red-headed Woodpecker.

"After a Red-head laboriously drills and excavates a nest hole, a starling usurps it through a technique of persistent, aggressive heckling. The Red-head abandons one cavity after another and finally fails to complete its own nesting routine and to rear its own young," Lowery writes.

The Red-head is not a timid soul; there are just too many of the enemy. As starlings increase, the woodpeckers decrease. The least desirable among our birds is pushing one of the most striking and beautiful species toward extinction.

If Virginia ever decides to commission a book of state birds, it would do well to follow Louisiana's example. With 651 pages loaded with illustrations, the Louisiana book is a one-volume encyclopedia. Along with carefully done paintings of birds in color, it has black and white sketches, charts, anatomical drawings, and stunning black and white photographs of birds, especially those by Allan D. Cruickshank.

Birds are among the most difficult subjects to photograph, but a Cruickshank picture invariably catches a species in a significant pose and a clear display of field marks. A portrait of a Wild Turkey gobbler with full beard looks as if he has been cast in bronze down to every detail.

What, you may ask, is the point of a Virginian having a book about Louisiana's birds? That, as a politician says as he scrambles for an answer, is a good question.

First, because Louisiana lies at the mouth of the Mississippi and along the Gulf Coast and on the track of a national flyway for migrating birds, it has every bird that Virginia harbors and then some. For instance, Lowery writes that as recently as 1971 he examined pictures taken in a Louisiana swamp of the supposedly extinct Ivory-billed Woodpecker.

*(Please turn the page)*



And it is a pleasure to read of exotic birds in another state. Just what is one to make of the Black Francolin, a species of game bird from Pakistan introduced into Louisiana in the early 1960s? As large as a bantam rooster, the male has a black head and breast except for a reddish necklace and white ear patches. The rest of the bird is a mixture of black and buff colors liberally barred, streaked, and dotted with white. Their distinct call sounds rather like a cicada.

One thing one may hope is that the Black Francolin doesn't spread like the starling. Who would care to contemplate, at every turn, a bantam size bird buzzing like a cicada? Apparently there is no danger of its moving much beyond the two fairly confined areas in which it was colonized.

In one respect, the author tells us, the introduction of the citizen from Pakistan has been a failure: "It is likely to prove to be a poor game bird, for it is a skulker, one that can disappear behind mere wisps of grass. It tends to run rather than freeze and therefore cannot be effectively pointed by a dog."

Shame on the Black Francolin for skulking about and declining to offer itself as an easy target to hunters! You'd think the bird would be a better sport than to indulge in such uncooperative behavior. Although it is deucedly elusive during hunting season, it has an irritating habit of losing all caution during breeding season, which is out of season for hunters.

During breeding season, the author reports, "male Black Francolins lose all caution. They become blatant, unwary, and conspicuous. They mount to exposed positions—to the tops of fence posts, to bare spaces on low-hanging boughs near roads, and even to the tops of chimneys rising above deserted shacks."

The entry of the Common Loon also is intriguing. In the first place, where do people get off calling it Common? Whether a creature is common depends on the standards of the society in which it is judged.

At any rate, the Common Loon is most uncommon. How much better and more exact is the name given to the loon in the French-speaking sections of Louisiana. The natives call it Grand Plongeon, for its spectacular diving ability.

The name loon, of course, is derived from the bird's mad, laughing call, which gave rise to the expression "crazy as a loon." But that call is heard mainly on its breeding grounds in the North. In nearly a life-time of watching birds in Louisiana, Lowery heard the weird cry only once—and that came from one of two birds winging up the Mississippi River, possibly a mated pair beginning their long migratory flight to a wilderness lake in some northern forest of spruce and fir. The British call the loon the Great Northern Diver, a much more stately title than Common Loon, indeed.

Seems I remember reading, possibly in George Orwell's account of being down and out in Paris and London, that plongier also applies to dish washers, or, as they are called in this country, pearl divers in the galvanized sinks of restaurants.

To follow this digression to an end, I've had experience as a grand plongier, notably during a 40-day voyage on a cargo ship from Hawaii to Okinawa during World War II when our army outfit, the passengers, were pressed into service on KP.

Once, standing alongside a fellow plongier named Groff, a bearings grinder from Pennsylvania, toiling at a huge sink through which traveled an unending line of dishes and pots and pans, I was tempted to leave my post and go above board.

Another friend came piling breathlessly down the ladder to our dark hole.

"You shoulda seen the white bird flying around this ship. It's bigger than a turkey!" he reported.

"What do we care what is flying around this ship," growled Groff. "You think he's gonna fly through this sink of dirty dishes."

In defining differences in species, the book even goes into anatomical descriptions. You may wonder, as I have, how to tell the magnificent Whistling Swan from the even larger Trumpeter Swan, largest of all native North American waterfowl.

Well, any swan more than 55 inches long, with banded wing more than 23 inches, and weighing more than 20 pounds is probably a Trumpeter.

Or to put it another way:

If a swan has a narrow salmon-colored streak on the mandibles, or 24 instead of 20 tailfeathers, it is a Trumpeter; but having fewer than 24 tailfeathers would not prove it is something else.

Finally, in the Whistling Swan the trachea or windpipe merely loops on itself within the sternum, while in the Trumpeter Swan a partition of bone separates a section of the trachea fold within the sternums. A detailed drawing of the two pieces of anatomy conveys the differences.

Fortunately, the Trumpeter is seldom seen in coastland Virginia, so the odds are overwhelming that the long-necked swan winging overhead is a Whistler; no need to fret over the trachea, except to marvel at the blast of sound that it issues.

But it's interesting to know, as is true with so much of the fact that crams the book. How rewarding to be able to murmur to a group of birdwatchers when a Whistling Swan rises from the water, "Oh, yes, its trachea merely loops itself in the sternum, whereas in the Trumpeter Swan. . ."

One learns, too, that the turkey vulture, or buzzard, circling a mile in the sky, relies more on sight than smell in detecting carrion on the ground.

Anyone who has ever viewed a buzzard's eye up close, as I did, can appreciate that. Driving through Westmoreland County, I looked out the window of the car and caught a road-side buzzard's eye, big as a quarter, or, at last a nickle, an orange rim and a centered hole that looked like nothing so much as a camera lens. It seemed, eyeball to eyeball, to have X-ray vision.

There's one surprise after another and beauty galore in this fat book. Thomas Jefferson, who made the first serious listing of birds in Virginia, would relish it and not object to its extending to Louisiana. After all, that territory long ago, was included in Virginia's embrace.

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# FALL AND WINTER IN VIRGINIA



(Information Courtesy of the Virginia State Chamber of Commerce - Travel Development Department)

All events and Dates Subject to Change



## **PETERSBURG, October 2, 3, and 4** **Nostalgiafest**

An old-fashioned, family-style fun event held in Petersburg's restored Old Towne. Free entertainment throughout the area, featuring big band sounds, rock'n roll, country-western, barbershop and much more. Major arts and crafts show, special children's events, historic homes tour, fireworks, plus the Virginia Foods Fair. *Thomas C. Galyon, City of Petersburg, 15 West Bank Street, Petersburg, VA 23803*

## **WATERFORD, October 2, 3, 4** **Waterford Fair**

Home tour with arts and crafts exhibits in this completely-restored 18th century Quaker village. 10 a.m. to 5 p.m. Admission—\$5.00.

## **FREDERICKSBURG, October 3** **Fredericksburg Dog Mart**

Nation's oldest dog show, begun in 1698 as peaceful trade between Indians and settlers. 9 a.m. to 4 p.m. Bluegrass music, contests in hog calling, turkey calling, fox horn blowing, Indian dances and crafts. Parking fee. *Jo Loue Willis, Director, Fredericksburg Visitor Center, 706 Caroline St., Fredericksburg, VA 22401*

## **SOUTH HILL, October 3** **South Hill Harvest Festival Parade**

Contests, events, etc. during week prior to Parade on Oct. 3, 1981. *Fred Clark, South Hill Jaycees, 102-A Northington Street, South Hill, VA 23970*

## **LEESBURG, October 3** **National Hunt and Steeplechase Races at Morven Park**

Steeplechase race—post time 1 p.m. General admission fee. Held at Morven Park. *Morven Park, Leesburg, VA.*

## **NEWPORT NEWS, October 3 and 4** **Fall Festival**

Craftspeople exhibit, demonstrate and sell their widely diversified crafts. Included too, is the demonstration and sale of ethnic and traditional foods. *Department of Parks and Recreation, 2400 Washington Ave., Newport News, VA 23607*

## **RICHMOND, October 3-10** **33rd Annual National Tobacco Festival**

Queen of Tobaccoland Contest, Grand Illuminated Parade, Tobacco Bowl (ECU vs UR), Queen's Coronation Ball, etc. *National Tobacco Festival, Inc., 3212 Cutshaw Avenue, Suite 302, Richmond, VA 23230*

## **LURAY, October 9 & 10** **Page County Heritage Festival**

Arts and crafts displays, demonstrations, and sales, and old-time music. Held at Page Valley Fairgrounds. Saturday 10 AM-6 PM. Sunday 12 noon-5 PM. *Alice L. Brien, Page County Heritage Association, 46 East Main Street, Luray, VA 22835*

## **NEWPORT, RHODE ISLAND, TO YORKTOWN, VIRGINIA, October 9-16th** **Washington—Rochambeau March Recreation**

As part of the Yorktown Bicentennial, over 1,100 recreated Revolutionary War Troops will retrace the route over which the combined American and French armies marched from Rhode Island to Yorktown, Virginia and ultimate victory. Their stops in major cities along the way will include educational programs, parades, and commemorative ceremonies. *Jim Rollings, Rhode Island Bicentennial Commission, Virginia Indep. Bic. Comm., P.O. Box 1976, Yorktown, VA 23690*

## **BRISTOL, VA & JOHNSON CITY, TN,** **October 10** **Southeastern Band Festival**

Up to 60 area high school bands compete for trophies. Parade in Bristol prior to the festival. *Betty J. Jones, Southeastern Band Festival, P.O. Box 1039, Bristol, VA 24201*

## **CHINCOTEAGUE, October 10** **Oyster Festival**

Famous Chincoteague Oysters served in several ways: Raw, steamed, fried, stewed, fritters, as well as hush puppies, steamed crabs, hamburgers, hot dogs, soft drinks. All you can eat for \$15.00. *Nicki L. West, Chincoteague Chamber of Commerce, Chincoteague, VA 23336*

## **SMITHFIELD, October 10** **Smithfield House Tour**

Several private homes as well as 5 public buildings and several gardens open to the public. Lunch will be served in the yard of the old court house. *Friends of the Library, 333 Grace St., Smithfield, VA 23430*

## **FAIRFAX, October 10** **Fairfax Fall Festival**

More than 200 arts and crafts exhibitors and concessionaires. Free musical entertainment. University Drive and Main Street. Admission is free. *City of Fairfax, City Hall, 10455 Armstrong Street, Fairfax, VA 22030*

## **NORFOLK, October 10** **Oyster Bowl and Parade**

Street parade, consisting of the colorful Uniformed Units of Khedive Temple, bands, and marching drill teams from local military units and high schools. *Shriner's, Norfolk Convention and Visitors Bureau, Monticello Arcade, Norfolk, VA 23510*

## **AMHERST, October 10 & 11** **Amherst County Apple Harvest Arts & Crafts Festival**

Local arts and crafts of every description and demonstrations. Apple butter making, October 10 (Saturday) Brunswick Stew, apples, apple products, craft demonstrations, orchard tours. *Mrs. Betty Marshall, Clifford, VA 24533, Amherst County Extension Homemakers Council, Clifford, VA 24533*

## **APPOMATTOX, October 10 and 11** **9th Annual Historic Appomattox Railroad Festival**

Historic exhibits, arts and crafts show and sale, home-made food sales, music, footrace, various old-fashioned contests, and a kick-off parade. *Chairperson, HARRF, Appomattox Junior Woman's Club and the Town of Appomattox, Inc., HARRF, P.O. Box 513, Appomattox, VA 24522*

## **WAYNESBORO, October 10 & 11** **Waynesboro Fall Festival Art Show**

An outdoor show in downtown Waynesboro. *Mrs. Jean Mehler, Waynesboro Fall Festival, P.O. Box 626, Waynesboro, VA 22980*

## **LORTON, October 10-11** **The First Virginia Regiment of the Continental Line**

Costumed 18th Century citizen-soldiers and their families will participate in a living history display. Vignettes of camp life cooking, sewing, repair of gear, drill, gaming and other activities, demonstrate how the Revolutionary War soldier lived. *Louise Stockdale, Gunston Hall, Gunston Hall Plantation, Lorton, VA 22079*

## **YORKTOWN, October 16-19** **Celebration of Victory**

An international celebration marking the 200th anniversary of the American Victory at Yorktown, the battle which ended the American Revolution and ensured our nation's freedom. Four days of events, displays, entertainment, ceremonies. French, German, British, and American dignitaries will speak, with the keynote address by the President of the United States. *Virginia Independence Bicentennial Commission, Yorktown Bicentennial Committee, P.O. Box 1976, Yorktown, VA 23690*

## **FREDERICKSBURG, October 11 and 12** **Annual Creative Stitchery Exhibit**

Competition and exhibit by non-professionals in embroidery, crewel, bargello, smocking, quilting and other forms of needlework. Continuous needlework demonstrations. Admission \$1. Sunday, noon to 6 p.m., Monday, 9 a.m. to 3 p.m. *Mrs. Hobart Carter, Ann Page Garden Club, 1207 Littlepage St., Fredericksburg, VA 22401*

## **WILLIAMSBURG, October 12-19** **Prelude to Victory**

Various events, including encampment of troops on October 14, march to Yorktown on October 15, leading up to Yorktown's celebration of 200th anniversary of Cornwallis' surrender on October 19. *Director of Travel, Colonial Williamsburg, Drawer C, Williamsburg, VA 23185*

## **PULASKI, October 17** **Count Pulaski Celebration**

Exhibits and sales by local and area crafts people, homemade food booths, contests, entertainment and celebration program. *(Mrs.) Garda Cox, Count Pulaski Celebration Committee, c/o Pulaski County Chamber of Commerce, P. O. Box 169, Pulaski, VA 24301*

## **MIDDLETOWN, October 17** **Battle of Cedar Creek Day**

Living history pageant incorporating the use of Belle Grove Plantation to show life during the War between the States. *Edwin Watson, Executive Director, Belle Grove, Inc., P. O. Box 137, Middletown, VA 22645*

## **CHARLOTTESVILLE, October 18** **Third Annual Kruger Farms Apple Classic Bicycle Race**

The Apple Classic will be the featured event of an exciting day of racing. The course for this event is a rolling 1 kilometer circuit in the center of historic downtown Charlottesville. *Kruger Farms Apple Cider, Kruger Farms Inc., 611-A 7½ St., Charlottesville, VA 22901*

## **ALDIE, October 18** **Aldie Harvest Festival**

County Fall festival with antiques, foods, and crafts. Tour of old tandem-wheeled mill. *Aldie Episcopal Church, Aldie, Va.*

## **FREDERICKSBURG, October 24** **3rd Annual Halloween Mardi Gras**

Free. 7 p.m. to midnight. Street festival in two city blocks of downtown Historic District. Costume contest, prizes, Dixieland music, games, refreshments. *Kay Patterson, Director, Fredericksburg Board of Realtors, 2922 Bragg Rd., Fredericksburg, VA 22401*

## **PENNINGTON GAP, October 24** **Lee County Tobacco Festival**

Parade and beauty pageants. Pennington Gap Chamber of Commerce, P. O. Box 572, Pennington Gap, Va.



**FREDERICKSBURG, October 24 and 25**  
**14th Annual Antique Specialty Show**  
 Antiques, glassware, curios, coins. Saturday, 9 a.m. to 8 p.m., Sunday 9 a.m. to 4 p.m. Admission \$1. Dottie Grizzle, Mary Ball Women's Club, c/o Fredericksburg Visitor Center, 706 Caroline St., Fredericksburg, VA 22401

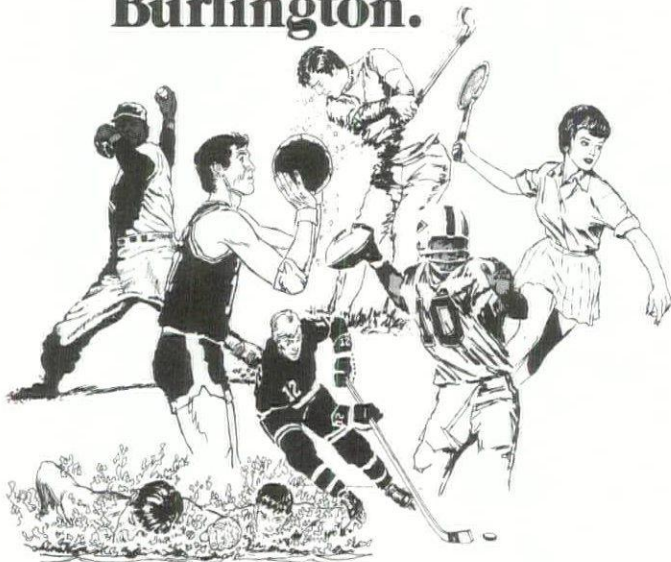
**HAMPTON, October 29, 30, 31**  
**Eighth Annual Medley of the Arts**  
 A showcase of the visual and performing arts. The Artist Market includes over 100 juried artists displaying, demonstrating and selling their arts and crafts. Saturday features, Dance Internationale, a wide variety of ethnic dances. Held at Coliseum Mall. Peninsula Council of the Arts, Suite A-12 Coliseum Mall, Hampton, VA 23666



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**CHARLES CITY, November 1**  
**Virginia Thanksgiving Festival**  
 Re-enactment and commemoration of America's first Thanksgiving. Dramatic reenactment of Colonists landing in 1619, ceremonial Indian dances, plantation tour, music and food. Held at Berkeley Plantation. Ruth Robertson, Virginia Thanksgiving Festival Inc., P. O. Box 1090, Richmond, VA 23219

**LEESBURG, November 1-22**  
**Christmas at Oatlands**  
 Because Oatlands is closed during regular Christmas time, Oatlands House is decorated for Christmas at this time according to family memoirs of the 1880's. Regular hours: 10 a.m. to 5 p.m. Monday through Saturday; 1 p.m. to 5 p.m. Sunday. Admission charges, children under 6 free. Tours of mansion. Refreshments served. Nicole Sours, Executive Director, Oatlands of the National Trust, Inc., Route 2, Box 352, Leesburg, VA 22075

**WILLIAMSBURG, Nov. 5-8**  
**Public Times and Fair**  
 Recreation of 18th century market. Entertainment, displays. Market Square Green 9:00 a.m.-5:00 p.m. Director of Travel, Colonial Williamsburg, Drawer C, Williamsburg, VA 23185

**ALEXANDRIA, November 7**  
**Washington's Review of the Troops**  
 Colonial regiments reenact the 1798 military review by George Washington. In front of Gadsby's Tavern Restaurant, 138 N. Royal St. Amy Gordon, Alexandria Tourist Council, 221 King St., Alexandria, VA



**FREDERICKSBURG, November 7 and 8**  
**9th Annual Crafts Festival and Exhibit**  
 Free. At the Community Center, 408 Canal St. Works in wood, leather, metal, photography, stained glass and other media. Many items for sale. Saturday 10 a.m. to 9 p.m., Sunday 1 to 5 p.m. Norma Sanford, Community Center, 408 Canal St., Fredericksburg, VA.

**LEESBURG, November 8**  
**Loudoun Hunt Hunter Trials**  
 Judging of jumping events held in open fields for foxhunting horsemen. Picnicking encouraged. Admission charge. Pat Horrocks, Oatlands and the Loudoun Hunt, Route 1, Box 434, Leesburg, VA 22075

**BLACKSBURG, November 13-15**  
**YMCA Arts and Crafts Fair**  
 Invitational fair including modern and traditional crafts. Entertainment provided by local musicians and dancers. Over 100 craftspeople from 10 states. Admission free. Betty C. Williams, YMCA at VPI, 304 Squires, Blacksburg, VA 24060

**ONANCOCK, November 13, 14, 15**  
**28th Annual Fall Antiques Show**  
 Saturday 11:00 a.m. to 9:00 p.m. Sunday 12 to 6 p.m. Admission \$1.50. Auxiliary to Northampton-Accomack Memorial Hospital, Nassawadox, VA 23413.

**ROANOKE, November 20-22**  
**Roanoke Craft Festival XI**  
 At the Roanoke Civic Center. Craft Festival XI Committee, 301 23rd St., SW, Roanoke, VA 24014

**KESWICK, November 26**  
**Blessing of the Hounds Service**  
 After the Thanksgiving Day Service, led by the pastor of Grace Episcopal Church, which includes hymns and prayers, the members of the Hunt Club move off to begin their foxhunt in a nearby farm. Visitors are invited to watch the beginning of the hunt. Grace Episcopal Church and The Keswick Hunt Club, P. O. Box 43, Keswick, VA.

**GRUNDY, November 26**  
**Grundy Christmas Parade**  
 Annual parade, date tentative. Grundy Retail Merchants, Grundy, VA 24614

**CHARLOTTESVILLE, November 26-28**  
**Thanksgiving Hunt Week-end**  
 "Blessing of the Hounds" at Grace Episcopal Church on Thanksgiving Day. Traditional Thanksgiving feast at Boar's Head Inn. Saturday foot hunt behind a pack of hounds at the inn. Sales Dept. or Jeffrey Houdret, Gen. Mgr., The Boar's Head Inn, P. O. Box 5185, Charlottesville, VA 22905

**ROANOKE, Nov. 27-December 24**  
**Christmas Fantasyland**  
 Animated characters, antique toys, animals from Mill Mountain Zoo, model railroad layout, live performers and Santa Claus. No admission charge. Mon.-Sat., 10:00 a.m. to 5:30 p.m. Downtown Roanoke, Inc., 410 1st St., SW, Roanoke, VA 24011





# DEC 1981

## LURAY, December 1-24 Christmas in Luray

Christmas Parade, town lighting ceremony with caroling around town Christmas tree, craft shop (items by Page County Artisans), country dinner at the historical Mimslyn Motor Inn, candlelight house tours, commercial and residential decorating contests. Christmas hymn sing at restored Mauck Meeting House, Santa's Corner, carillon recital, special event at Luray Caverns. Varying hours. Alice L. Brien, Luray Chamber of Commerce, 46 East Main Street, Luray, VA 22835

## VINTON, December 3 7th Annual Christmas Parade

Vinton Chamber of Commerce, P. O. Box 83, Vinton, VA 24179

## SALEM, December 4 Salem Christmas Parade

Salem-Roanoke County Chamber of Commerce, 7 South College Ave., Salem, VA 24153

## MT. VERNON, December 4 and 12; December 6 and 13 Annual Carols by Candlelight

Mansion decorated for Christmas, carolers and harpist. Refreshments served. Admission. December 4 and 12, 7:00 p.m. to 10:00 p.m.; December 6 and 13, 3:00 p.m. to 6:00 p.m. Mrs. Margaret P. Davis, Woodlawn Plantation, P. O. Box 37, Mt. Vernon, VA 22121

## MANASSAS, December 5 Greater Manassas Chamber of Commerce Christmas Parade

10:30 a.m. to 12:30 p.m. Free. Greater Manassas Chamber of Commerce, P. O. Box 495, Manassas, VA 22110

## ALEXANDRIA, December 5 Annual Scottish Christmas Walk

Scottish Clan Chieftains, visitors and residents parade through the streets in honor of Alexandria's Scottish founders. Special activities all day include tours, highland dancing, children's programs, antique and greens sales. Elizabeth Ann Campagna, Alexandria Community, 602 Chruson St., Alexandria, VA.

## FREDERICKSBURG, December 6 11th Annual Christmas Candlelight Walking Tour

2 to 8 p.m. Admission charge. Costumed hostesses, horse-drawn carriage rides, Christmas greens, carolers, etc. Tour includes light refreshments and music. Special tours for bus groups. Jo Love Willis, (Historic Fredericksburg Foundation, Inc.), Visitor Center, 706 Caroline St., Fredericksburg, VA 22401

## LEXINGTON, December 6 Victorian Christmas Open House

The Stonewall Jackson House will celebrate Christmas early. Guides in period costumes will welcome guests to candlelight tours of the house. Cider, music and story-telling, traditional Victorian Christmas decorations. Family rates. Stonewall Jackson House, 8 E. Washington, Lexington, VA 24450

## BUENA VISTA, Christmas Parade— December 6 Christmas Parade

Chamber of Commerce, 2110 Magnolia Ave., Old Court House Bldg., Buena Vista, VA 24416

## ALEXANDRIA, December 11-12 Old Town Christmas Candlelight Tour

Takes visitors through the 18th century homes of Scottish founders John Carlyle and William Ramsay, The Boyhood Home of Robert E. Lee and the Lee-Fendall House. Features refreshments, chamber music, story-telling, colonial dancing, madrigals, and bagpipe performers. Amy Gordon, Alexandria Tourist Council, 221 King St., Alexandria, VA 22314

## LORTON, December 11, 12, 13 Carols By Candlelight

Candlelit Gunston Hall will be decorated for Christmas in the 18th century manner. Eighteenth century music will be played from the musicians' gallery in the Hall. Caroling in the reception center; refreshments. Louise Stockdale, Gunston Hall, Gunston Hall Plantation, Lorton, VA 22079

## ROANOKE, December 12-13 The Singing Christmas Tree

Annual performance at Calvary Baptist Church, Calvary Baptist Church, 608 Campbell Ave., SW, Roanoke, VA 24016

## WILLIAMSBURG, December 16 Grand Illumination

Official celebration marking opening of Christmas fortnight; fireworks 5:30 p.m. Director of Travel, Colonial Williamsburg, Drawer C, Williamsburg, VA 23185

## PETERSBURG, December 13 thru 23 Centre Hill Victorian Christmas

A 19th-century Christmas tradition at the elegant Centre Hill Mansion, featuring a special Victorian Christmas tree and other Victorian era decorations. Special musical events will also highlight this traditional Christmas celebration. Free to the public. Elizabeth T. Lyon, City of Petersburg, Centre Hill Court, Petersburg, VA 23803

## FREDERICKSBURG, December 18 Christmas Open House

Rising Sun Tavern. Free. 7 to 9 p.m. Hot spiced tea and tavern gingersnaps served. Carolers, costumed hostesses, a display of colonial tavern fare. Director, Rising Sun Tavern, 1304 Caroline St., Fredericksburg, VA.

## MIDDLETOWN, December 18-23 Belle Grove Christmas

The plantation house is decorated in federal manner by candlelight. Edwin Watson, Executive Director, Belle Grove, Inc., P. O. Box 137, Middletown, VA 22645

## CHARLOTTESVILLE, December 18-31 Ash Lawn Festival—Hanging of the Greens

James Monroe's home, Ash Lawn, and the Victorian addition will be decorated for the holidays by local Garden Club of Virginia members. 10:00-5:00; small admission fee. Carolyn C. Holmes, Ash Lawn, Route 6, Box 37, Charlottesville, VA 22901

## DANVILLE, December 20 thru January 6 The Chrismon Tree

In 1957 the Christmas tree in Ascension Lutheran Church was decorated with original hand made ornaments which the church calls Chrismons (CHRIST and MONogram). Every year since then, additional ornaments were designed and added to this Chrismon tree. Leona M. Buettner (Mrs. B. L.), Ascension Lutheran Church, 314 West Main Street, Danville, VA 24541

## CHARLOTTESVILLE, December 23-27 Annual Merrie Olde England Christmas Festival

Boar's Head Inn festivities from Christmases of four centuries ago, authentically recreated. Write for rates and information. Sales Dept. or Jeffrey Houdret, Gen. Mgr., The Boar's Head Inn, P. O. Box 5185, Charlottesville, VA 22905



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## STAUNTON, December 28 Woodrow Wilson Birthplace Annual Open House

The birthplace is open to the public free of charge. Woodrow Wilson Birthplace Foundation, P. O. Box 24, Staunton, VA 24401

## CHARLOTTESVILLE, December 28-29 A Program of Holiday Song

Carols and madrigals will be presented by candlelight at Ash Lawn, the home of James Monroe. Performances will begin at 4:00 and a small admission fee will be charged. Carolyn C. Holmes, Ash Lawn, Route 6, Box 37, Charlottesville, VA 22901

## WILLIAMSBURG, December 31 New Year's Eve Tattoo

Senior and Junior Fife and Drum Corps and Virginia State Garrison Regiment. Market Square Green. 4:00 p.m. Director of Travel, Colonial Williamsburg, Drawer C, Williamsburg, VA 23185

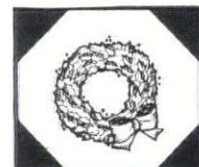
## ALEXANDRIA, December 31 Scottish New Year's Eve "Hogmanay"

A Scottish New Years Eve celebration with traditional foods and music, also midnight ceremonies. Barbara Janney, Alexandria Tourist Council, Ramsay House, King Street, Alexandria, VA 22314

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# America's Victory Celebration at Yorktown, Virginia

1781 · Yorktown · 1981

## Friday, Oct. 16 Festival Day

**MORNING**—Opening Day Parade. Pomp and circumstance, leaving from the Yorktown Victory Center.

**AFTERNOON**—A full afternoon of pageantry. Address by the Governor of Virginia. Siege demonstrations by members of recreated Revolutionary War units from 27 states and Canada.

Re-enactment of the storming of redoubts 9 and 10.

## Saturday, Oct. 17 Military Day

**10:00 a.m.**—Re-enactment of the famous "call for parley" by a British drummer boy. Sudden silence in the midst of heavy bombardment—on the actual historical time and date of the original call.

**BEGINNING 10:00 a.m.**—Seafood festival at Gloucester Point. Bounty from Virginia's waters including crab, oysters and fresh fish.

**ALL DAY**—U.S. Armed Forces demonstrations. Contrast modern equipment and military techniques with 18th century methods. Addresses by top military leaders.

## Sunday, Oct. 18 Patriots Day

**BEGINNING 10:00 a.m.**—Seafood festival at Gloucester Point. Bounty from Virginia's waters including crab, oysters and fresh fish.

**ALL DAY**—Cultural festivities and special events celebrating America's heritage.

**AFTERNOON**—Interdenominational religious services on the Yorktown battlefield.

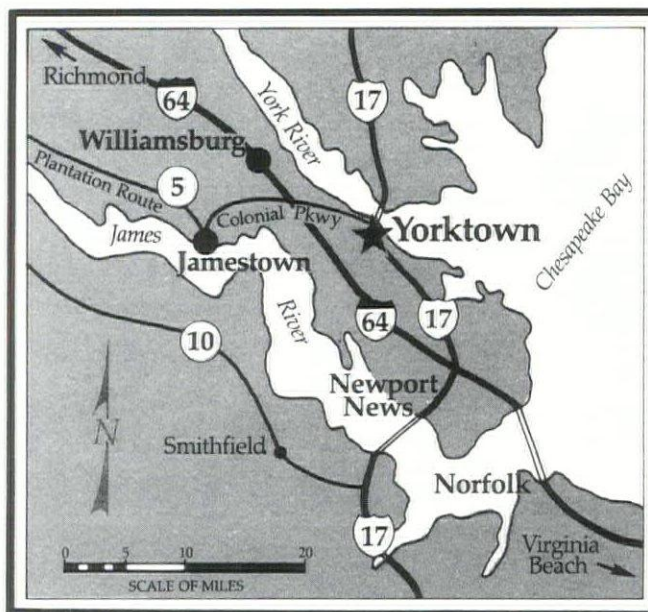
**DUSK**—Fireworks over the York River.

## Monday, Oct. 19 VICTORY DAY

A Nationwide Day of Observance  
A Virginia State Holiday

**2:00 p.m.**—Victory celebration ceremonies will follow the tradition set by President Arthur at the 1881 Yorktown Centennial and President Hoover at the 1931 Sesquicentennial. President Reagan, accompanied by world leaders and dignitaries, will deliver the keynote address.

*Detailed schedule of events will be available to visitors at Yorktown.*



At the historic Moore House in Yorktown, British Lord Cornwallis signed terms for surrender to the combined American-French forces under George Washington, thus assuring America's independence and an end to the Revolutionary War.



PRESIDENT RONALD REAGAN, foreign dignitaries, 4,000 Revolutionary War soldiers in authentic costume, and 16 acres of "heritage festival" exhibits will help commemorate the famous victory at Yorktown, won 200 years ago. Clearly, this fall's Victory Celebration in Yorktown, Virginia will number among the year's outstanding national events.

As most schoolchildren and history buffs know, the surrender of Lord Cornwallis to George Washington ended the Revolutionary War on October 19, 1781. History says the British band played "The World Turned Upside Down" as Cornwallis' troops marched out of Yorktown in defeat. More than six years after the first shots were fired at Concord, America had finally won her independence.

The National Park Service, U.S. Armed Forces and the Yorktown Bicentennial Committee have planned the festivities of October 16-19 to bring the nation—if not the world—to its feet.

"The celebration should be a lot of fun for everyone," says Committee Chairman Lewis A. McMurrin, Jr., "and will also make people stop and think about the hard-won freedom we enjoy today in America."

With the "meaningful fun" theme ever in mind, a wide range of events is scheduled to take place over a four-day period in and around the picturesque waterfront village, on the York River, and on the actual field of battle.

Each of the four days has a designated focus: festival fare, military pageantry, patriots' honor, and victory commemoration. Activities on land and on the York River run continuously throughout the long weekend.

America's Victory Celebration begins on Friday with a parade, and concludes on Monday with speeches by President Reagan and foreign dignitaries.

A favorite Yorktown experience is bound to be the 1,000-tent, eighteenth century encampment—complete with Revolutionary era food cooked over open fires, and exciting demonstrations of siege tactics.

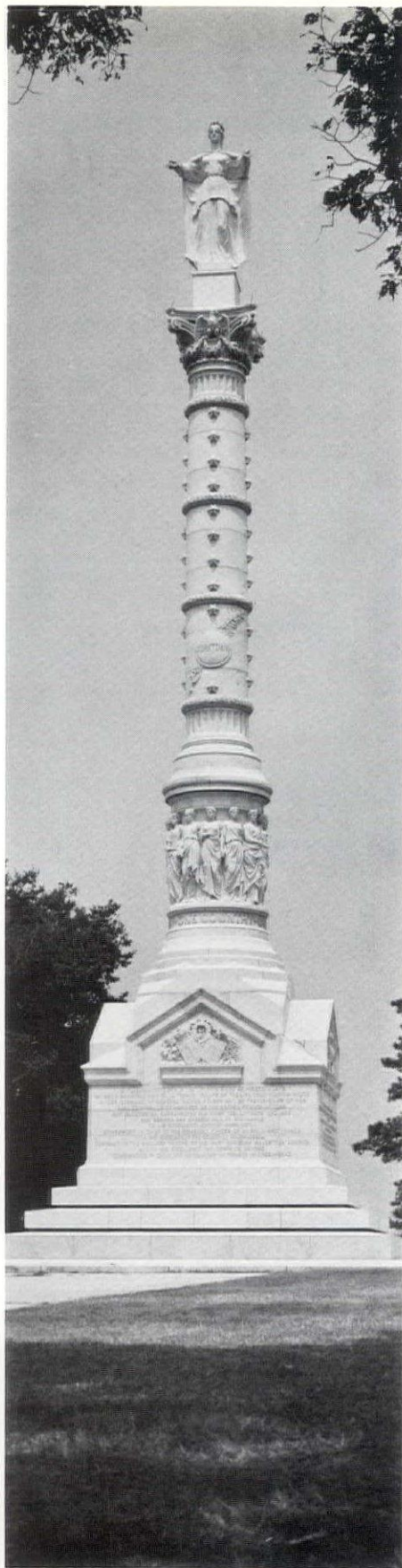
Highlight of the battlefield activities will be the recreated surrender ceremonies involving thousands of costumed French, American, British, Canadian and German soldiers. The historic surrender march and laying down of arms will take place on the afternoon of October 19.

Meanwhile, tall sailing ships will be anchored next to modern-day warships in Yorktown harbor. A Virginia seafood feast, an underwater warship excavation in progress, and fireworks exploding high over the water are expected to draw many visitors to Yorktown's historic waterfront.

For four memorable days this October, Yorktown will come alive with patriotic fervor, the music of fifes, the smokey smell of campfires, and the sights of eighteenth and twentieth century America side by side. From sailboat races and historical exhibits to flag-waving and cannon-firing, the victory ceremonies and events have been carefully planned to honor the American ideals fought for—and won—on the battlefield at Yorktown, 200 years ago.

For more information about America's Victory Celebration, contact the Yorktown Victory Center, Box 1976, Yorktown, Virginia 23690.

to tell the Virginia Story



*This impressive, 98-foot-tall granite monument to the historic Battle of Yorktown was called for by an act of the 1781 Congress. It stands in Yorktown, Virginia, where 200 years ago the British forces under Lord Cornwallis finally surrendered to George Washington's troops on October 19, 1781.*

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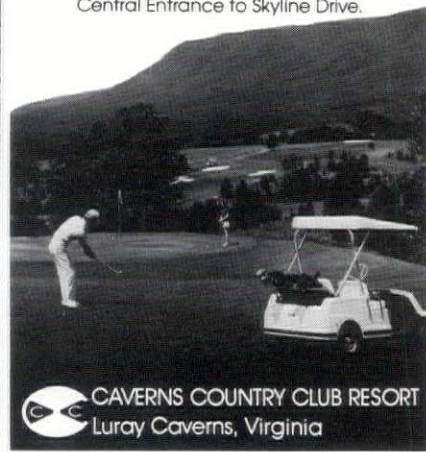
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# The Ghosts of Fredericksburg

By

Brenda Corbin and Joyce Frier



THE ORANGE HARVEST MOON rises slowly over the banks of the Rappahannock River, setting the stage for tales of haunted houses and their ghostly inhabitants. As Halloween draws near, the spirits of the past fill the night air in Fredericksburg, a small town on the banks of the Rappahannock.

A town rich in Colonial and Civil War history, Fredericksburg seems to have more than its share of ghosts.

From an Indian princess to a mysterious woman in white, the Fredericksburg ghosts have survived many years, and even more skeptics. They roam the night, and occasionally the day—in search of a loved one, out of sorrow or just plain mischief.

Empty chairs rocking, china crashing to the floor, doors mysteriously opening and closing, and heavy footsteps are the calling cards of many a lonely ghost.

The Chimneys, a Georgian home built about 1772 (now the Historic Fredericksburg Museum), has been plagued by many such events over the years. The ghost remains unidentified, however, and many ghost hunters believe a whole group may occupy the home.

One, a ghostly music lover, chose to visit a young woman who was alone in the house one night. As she was softly singing and playing the piano, the young woman heard the front door open and the sound of footsteps coming down the hall.

In a moment, she sensed a presence in the room. At a touch on her shoulder, she whirled around and, in astonishment, felt someone sit beside her. She could see no one, however, and the eerie visitor soon left her side.

Some time later, another visit occurred. Late one evening, a mother went upstairs to check on her young son. She was astonished to discover two sleeping figures in his bed. "Someone must

have come to spend the night," she thought, and left the room without disturbing the sleepers. The next morning, however, the boy insisted he had slept alone, and no trace of the overnight guest could be found.

In one of Fredericksburg's most romantic ghost legends, General George Washington played a leading role. Washington was involved in many events during his lifetime, but few people would credit the father of our country with foiling an elopement. While visiting Chatham, high on a bluff overlooking his hometown of Fredericksburg, the general "rescued" a young Englishwoman from a disastrous marriage with a drysalter.

The young woman's father had brought her to Chatham in an attempt to sever the affair with the English drysalter. She pined for her lover, however, and he soon followed her to the colonies. Their plans made, the young woman climbed down a ladder from her bedroom window on the chosen night. Instead of climbing into the arms of her lover, however, she found herself firmly clasped by Washington! He had learned of their plan through his servant.

The drysalter was arrested and the young girl was taken back to England. She was eventually married to someone of a more suitable social standing. She never forgot her true love, however, and to this day she returns to Chatham and walks her favorite path on the anniversary of her death.

Several visitors and residents have watched the Englishwoman sorrowfully wander the path now known as the Ghost Walk. Always seen between noon and midnight, the lady in white has visited Chatham once every seven years since her death on June 21, 1790. Her next appearance should occur in 1986.

The spirit at the Rising Sun Tavern is far from morose, however. Maintaining the spirit of cheer and mischief that once thrived at this center of Colonial life in Fredericksburg, the Tavern ghost

delights in practical jokes. At one time, the ghost repeatedly unplugged the lights in an upstairs room. Tired of having to replug the cords, a hostess finally exclaimed, "Come on now, stop it!"

As she turned to leave the room, she felt herself slipping to the floor as the ghost pulled the rug out from under her. The lights remained plugged for the rest of the day, however.

Another hostess was coming down the stairs early one morning when she felt something tugging at the hem of her dress. She looked to see if her Colonial gown was caught on something, but found nothing amiss. When she tried to continue down the steps, however, she was held firmly in place. Long a believer that the tavern's ghost was its last owner, John Frazier, the hostess exclaimed, "All right John, let go!" Her dress was immediately freed.

One of Fredericksburg's least threatening ghosts is Katina, a Sioux Indian princess. She often returns to the estate of Fall Hill in search of the children she once cared for. The old Indian woman with long dark braids has often been seen in the nursery playing with a young boy in knee breeches and a periwig. The child is believed to be Francis Thornton II, one of three generations of Thornton children Katina cared for until her death in 1777.

Her restless spirit once visited two boys sleeping in the nursery. They awoke one night to find a woman standing near their bed, gazing at them. As they watched, she disappeared through the wall at the head of the bed. Several years later, the room was remodeled and the old door that Katina would have used to enter the nursery was discovered at the spot where her ghost had disappeared into the wall.

These are only a few tales of Fredericksburg hauntings. And what better time to ghost-watch in Fredericksburg than during the witching month of October? For a free brochure on the Ghosts of Fredericksburg, contact the Fredericksburg Visitor Center, Box GB, 706 Caroline Street, Fredericksburg, VA 22401 • (703) 373-1776.

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## Fall Harvest to Year's End at Ash Lawn Charlottesville

LOCATED IN Charlottesville, and designed by Thomas Jefferson, is Ash Lawn, the home of James Monroe from 1799-1823. To enhance the interpretation of life during the Monroe era (1758-1831), musical, artistic and educational programs are offered in conjunction with daily tours through the home. The Fall and Winter season offers programs for all tastes, and visitors are invited to Ash Lawn to join in these activities.

Fall events will feature the traditional harvesting of Ash Lawn's gardens. A Harvest Festival/Farmer's Market is scheduled for mid-October and will feature discussions on herbs and their uses, and how to dry flowers.

Holiday festivities will begin in mid-December when Ash Lawn opens its fields for families to wander through in search of the perfect Christmas tree for their homes. To further the Christmas festivities, local chapters of The Garden Club of Virginia will help to decorate the home with the traditional boxwood, cedar, holly and magnolia leaves. James Monroe's home will be decorated with Christmas greens in the manner of the eighteenth century while the nineteenth

century addition enjoys holiday trimmings of the Victorian era. THE HANGING OF THE GREENS at Ash Lawn will take place on December 19 and last through the New Year.

The final program of 1981 will be a presentation of traditional holiday songs. On the afternoons of December 28 and 29, professional madrigal singers will perform carols, songs and madrigals of Christmas seasons past. The performances will be held by candlelight, and visitors are invited to join in song and in saying farewell to 1981.

Programs are subject to change, and anyone interested in receiving additional information concerning events, times, admission fees and locations should call Ash Lawn at (804) 293-9539 or write to Ash Lawn, Charlottesville, Virginia, 22901.

In addition to these special events, Ash Lawn, which is owned and operated by the College of William and Mary, offers daily tours of James Monroe's home. Visitors may also see spinning and weaving demonstrations throughout the year, the Overseer's Cottage, archaeological excavations and many peacocks on the grounds.

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# 'Christmas Fantasyland'

## Downtown Roanoke

REMEMBER WHEN Downtown USA was the absolute center of pre-Christmas activity? Shoppers filled the sidewalks, Salvation Army bell ringers populated street corners, and department store Santas set up Toyland headquarters.

Those are dusty memories in some downtowns today, but that same old spirit remains firmly entrenched in downtown Roanoke. The Salvation Army still appears, the traditional Christmas Parade has been successfully reborn, and dramatic new decorations transform the area into a festival of lights.

But the cornerstone in maintaining downtown Roanoke's Christmas vitality is a delightful array of sights and sounds called, simply, *Christmas Fantasyland*. It is sponsored by Downtown Roanoke, Inc., an organization representing 175 downtown retailers, employers, professionals and property owners.

Begun five years ago as an assortment of animated displays in a vacant storeroom, Christmas Fantasyland has developed into a multi-faceted attraction visited each year by almost 30,000 children of *all* ages.

In its formative years Fantasyland was, in essence, a vagabond—settling in any available vacant space donated by a gracious property owner. But, last year, it found not one, but *two* homes. Henceforth, Fantasyland will alternate between the Heironimus and Miller & Rhoads department stores every two or three years. This year, Heironimus (at the corner of Church Avenue and Jefferson Street) will be its host for the second time, allowing over 7,500 square feet of its third floor to be transformed into a place of wonder and enchantment.

Aside from space, donations of time, money, and materials from downtown businesses all combine to make make Fantasyland possible each year. It is, indeed, a labor of love that brings to life the visions of Christmas shared by every child.

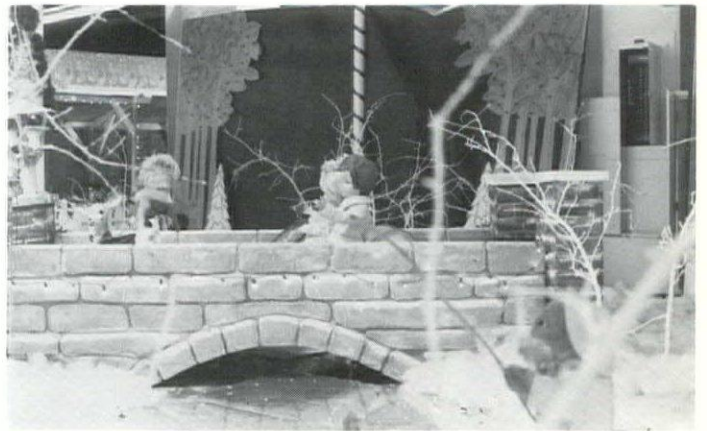
Fantasyland's primary attraction is still its animation. This collection of fairytale characters and other mechanical contrivances has grown over the years through purchases and through the generosity of the Grand Piano & Furniture Company which has donated pieces no longer needed for its own displays. Scenes include Santa's North Pole workshop, candle makers, a group of skiing reindeer, a whimsical playland (complete with ferris wheel) and much, much more.

Complementing these animated scenes are a model railroad (featuring Lionel trains from Christmases past, a toy village and tiny, twirling ice skaters), live visitors from Roanoke's Mill Mountain Zoo, antique toys, and—of course—Santa himself. On Saturdays, the Fantasyland stage comes alive with puppet shows, musical offerings, and dance productions. Cameras are welcome in Fantasyland, and picture-taking is encouraged.

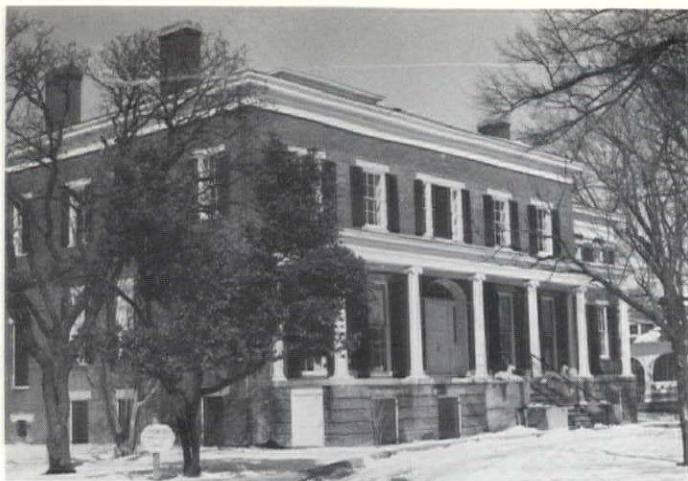
Everyone entering is entitled to a Christmas ring from Santa's Treasure Chest, and children under 14 years of age may sign up to win a six-foot stocking full of toys—one for boys and one for girls. Fantasyland also serves as a major collection point for the local "TOYS FOR TOTS" campaign.

Fantasyland has become downtown's annual Christmas gift to the Roanoke Valley. It opens the Friday after Thanksgiving and operates every day (except Sundays) through Christmas Eve. And best of all—it's free.

For further information about Fantasyland, write to Downtown Roanoke, Inc., 410 First Street, SW, Roanoke, VA 24011, or call (703) 342-2028.







## Centre Hill Victorian Christmas

### Petersburg

*Bobby Kennedy, Photographer*

VICTORIAN LIFE and taste are being resurrected in Petersburg, at Centre Hill Mansion. The 1823 registered landmark was a private home until 1936 when it passed into the hands of the Department of Interior. In the 1950s and 60s it was a private museum corporation displaying Civil War relics and finally the City of Petersburg was deeded the property in 1972. After restoration it was opened in 1978 as a house museum of nineteenth century decorative arts from the 1840s until 1900.

Originally constructed by Robert Bolling IV as a large Federal Mansion, the building underwent two major restorations, the first being completed near 1850. The Greek Revival taste of the mid-nineteenth century transformed the house into a larger, more classical design with colonnaded porticos, flattened roof and ornate interior woodwork. In the first year of the twentieth century Centre Hill again underwent extensive remodelling, in the Colonial Revival mode.

The grounds which once consisted of an entire city block, numbered nine acres. Today the mansion is situated on just under two acres and is surrounded by a 1912 block development of shingle and stucco cottages.

Three floors of the house are open to public view. The rooms vary in which style they are decorated according to later alterations in the structure. The dining room and nineteenth century library reflect the taste of the Empire style of the 1840s and 50s, while the double parlors emphasize the 1880s and 90s in the choice of wallpaper, textiles and furniture. The large assembly area provided by the parlors has proven to be an ideal place for musical recitals and lectures.

The second floor features the early twentieth century taste of the last owner Mr. Charles Hall Davis, who reconstructed the entire floor to reduce the number of bedrooms from seven to four. These large rooms feature Adams revival fireplaces with the ubiquitous glazed tile. A real novelty is the last remaining marble bathroom with a shower housing thirteen sprinkler heads.

In the basement, which has just this season been renovated, are meeting rooms, a 1900 kitchen, a research library and a catering center. Also available for the public to view is a plexiglass window showing the remains of a vaulted tunnel which originally led to a covered portecochere on the next street.

#### CHRISTMAS AT CENTRE HILL

Every year since the museum opened in 1978, its Christmas program has grown. A simple table-top tree soon gave way to a twelve-foot beauty and preparation for the Christmas season has become a community affair. The Rosecrest Garden Club of Colonial Heights has for three years, researched and made by hand replicas of nineteenth century tree ornaments. As many as thirteen garden clubs have assisted annually to decorate the house.

Holiday activities will begin early in the month of December with a slide-talk on *December 3 at 2:30 p.m.* by Mrs. Elizabeth Childs of the Valentine Museum on "Victorian Holiday Life and Activities." On the Wednesday's of *December 2, 9 and 16*, films will be shown at 12:15 p.m. and 1:15 p.m. in a "bring your own lunch" mid-day program. On Saturday, *December 5 at 3:00 p.m.*, the Woodwind Quintet of the Richmond Symphony will give a holiday musical concert. *December 11, 7:00-10:00 p.m.* the mansion will host a candlelight open house with music and refreshments, highlighting the first viewing of the Christmas decorations. On *December 17, at 2:30 p.m.*, Mrs. Frances Johnson, a native of Petersburg, will present a demonstration-talk on "Petersburg Heirloom Christmas Recipes," followed by a tea for participants. On *December 19* the museum will be open until 8:00 p.m. as part of the Christmas House Tour sponsored by Washington Street United Methodist Church. *December 20, 3:00 p.m.* the Youth Choir of St. Stephens Episcopal Church will present a holiday program of carols, songs and spirituals under the direction of Miss Cassandra Carter, Choir Mistress.

Every weekend in December refreshments of cider and ginger snaps will be served to the public. Centre Hill is part of the Department of Tourism, City of Petersburg, and is opened free to the public. The hours are Monday through Saturday 9 a.m.-5 p.m.; and Sundays 1-5 p.m. The museum will be closed December 24 and 25, 1981. The building is located on Centre Hill Court near Franklin and Adams Street. Free parking is available on Adams street with a walkway leading to the museum.

For further information please contact Mrs. Elizabeth T. Lyon, Department of Tourism, City of Petersburg, 15 W. Bank Street, Petersburg, Virginia 23803 or telephone 804-732-8081.



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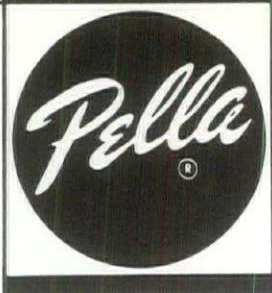
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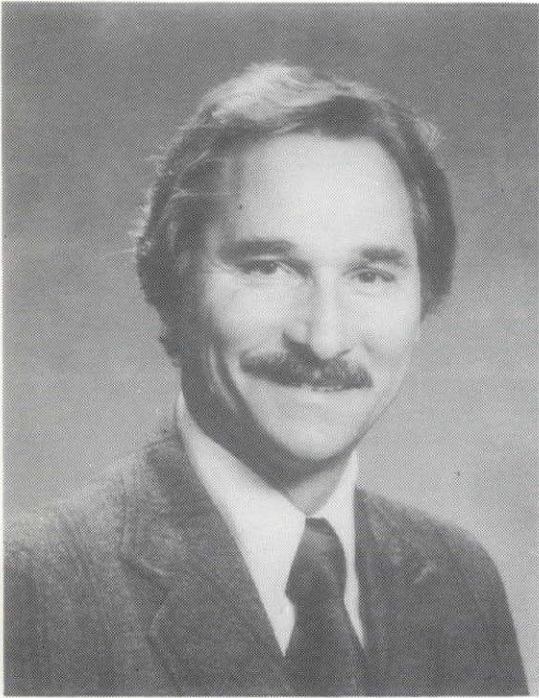
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# ASSOCIATED BUILDERS AND CONTRACTORS, INC.—VIRGINIA CHAPTER



ROBERT A. STEVENS  
President

## *A Letter from the President*

The Northern Virginia Chapter of the Associated Builders & Contractors is 14 years old this year, and more vigorous than ever. Since we were last featured in this magazine in 1975, we have gained many new members and greater recognition in state and local governments. We have met with and have established a dialogue with county supervisors and building department officials in Northern Virginia and have expressed our willingness to give assistance to their policy-making decisions concerning our industry. In fact, we expect to change our chapter's name officially this month, becoming the Virginia Chapter, so that our organization may begin to extend our services to merit shop contractors throughout Virginia.

ABC has always believed in working together with other construction associations to achieve objectives that are in our common interest. ABC is a proud member of the newly formed Virginia Construction Industry Council.

ABC has a well-established Carpentry Apprenticeship Program; a registered lobbyist with our state legislature who monitors pending legislation that will affect our industry; representatives who monitor local government board meetings and make our views known about matters concerning the construction industry. We have a PAC committee for State and Federal governments which helped to elect Congressmen Stan Parris and Frank Wolf and will work to elect future politicians who believe in the free enterprise system. Our ABC planning committee was established last year and arranged our unique educational conference with British contractors in London, England, this month.

I believe our increased membership and active interest by our members in our committee programs proves that local builders, suppliers, and associates have come to the realization that they must be involved and support an association that is actively working for them.

We hope that the readers of the *Virginia Record* will call our association's office for information about any of our members' capabilities. ABC stands ready to be of assistance to all Virginians. Just give us a chance!

Sincerely,

A handwritten signature in dark ink, appearing to read 'Robert A. Stevens'.

ROBERT A. STEVENS  
President

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## Executive Director's Commentary

The Virginia Chapter of the Associated Builders and Contractors is a proud proponent of merit shop construction throughout our fair state. Just a few years ago most people had no concept of what merit shop meant, nor were they familiar with our organization, which has done so much over the past thirty years to bring a message of free enterprise to the construction industry. ABC was born in adversity. The adversity was compulsory unionism.

The founding fathers of ABC had finally had enough ultimatums from the building trade unions and decided that an organization was needed that would stand up for the rights of management. These original merit shop contractors also wanted their employees to have the freedom of choice regarding union membership. ABC began as the "Right to Work" for the construction industry.

Adversity has since turned into opportunity. Today, under our present high interest rates and tight money policies, more and more industry construction buyers are giving a hard look at the bottom line cost of building union versus merit shop. Owners have found their bottom line needs are 10-20% on the average cheaper when they build merit shop.

The merit shop family of construction companies now encompasses over 17,000 general contractors and subcontractors. They range from the very largest companies such as Brown and Root to small operations managed by a husband and wife. Quality, a term used by the unions against us for so many years can no longer stand up. Some of the finest buildings being built today are being built by the members of ABC. The projects in this issue of the *Virginia Record* are just a few of the thousands that are being built annually in Virginia and across the country.

The members of ABC have been able to convince the buying public that conscientious contractors can build a quality product with a guaranteed delivery date for a substantially lower price than our union competitors. One simple reason is that ABC members are able to effectively control their projects and have direct responsibility for the numbers and types of craftsmen that they employ; with the freedom to train their employees in as many skills as they wish. The craft lines so rigorously enforced in the union sector simply do not apply.

The Associated Builders and Contractors has grown and kept pace with the development of the merit shop construction industry. In this issue of the *Virginia Record* you will also find articles on ABC's exciting new computerized Construction Buyers Service Center which we operate in Washington and our revolutionary apprenticeship training program, the



WILLIAM K. "KEN" CLEAVELAND  
Executive Director

Wheels of Learning. ABC's key legislative issue for 1981 is the repeal of Davis-Bacon. Our growing Merit Shop Foundation now distributes thousands of dollars annually in scholarships for construction school-bound students. ABC has many other services to offer its growing membership. I welcome any comments or questions concerning our organization from the readers of this fine publication.

I firmly believe that merit shop really does build Virginia better.

Sincerely,  
Associated Builders & Contractors  
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KEN CLEAVELAND  
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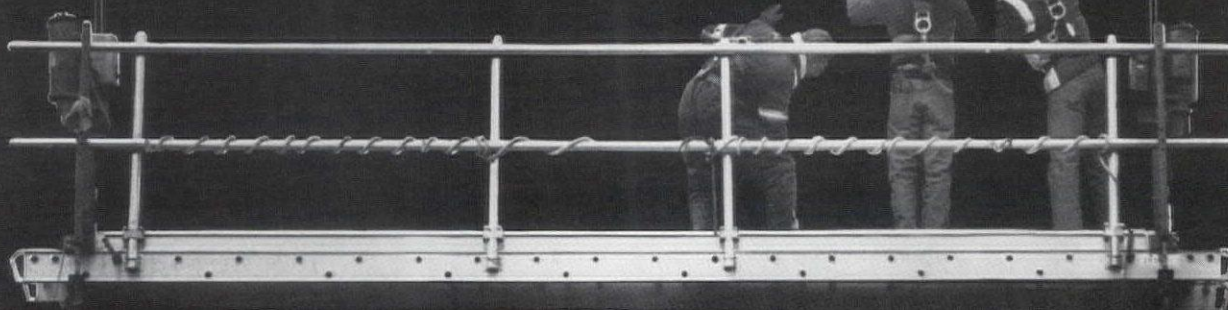
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This computer program contains profiles on ABC members who perform

all types of construction, either as general contractor, sub contractor or construction manager. The program also lists data such as annual volume, number of personnel in each job category, inhouse subtrade capabilities, type of ownership, years in business, bondability, minority ownership qualifications (if any) and much more.

This information is available upon request at no cost. Please call or write the National ABC Business Development Department at 202-637-8800, and we'll show you how this program will help you in your contractor selection process.

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# ABC's Merit Shop Foundation

By George Mikitzki

"I hope to someday contribute as much to the construction industry as much as it has given to me already," is how Chesapeake, Virginia resident John Frampton thanked members of the Northern Virginia chapter of the Associated Builders and Contractors (ABC) during their June meeting upon accepting a \$1,000 scholarship check awarded to him by the Merit Shop Foundation.

John, a junior in the Civil Engineering/Construction option program at the University of North Carolina-Charlotte, was one of 14 scholarship recipients selected from 85 applicants in the Foundation's nationwide scholarship competition among four-year college students majoring in construction. The award ceremony, which was repeated at nine other ABC chapters across the nation, provided public proof of the types of worthy activities undertaken by the Foundation.

At a meeting in early 1970, a farsighted group of ABC members mapped out the initial strategy and direction for what was to become the Merit Shop Foundation, LTD. They determined that an organization, separately chartered outside the national organization of ABC was needed to further promote the ideas and concepts of the merit shop movement in the areas of education and research. Incorporation in the state of Maryland occurred in 1971 and, in June 1972, the Internal Revenue Service officially granted the Foundation status as a 501 (c) (3) corporation, thus making contributions to it tax-deductible as charitable contributions. Simply stated, the charitable, philanthropic purpose of the Merit Shop Foundation, LTD, is "to sponsor research and education to improve the technology and environment of construction."

Like all charitable organizations, the Merit Shop Foundation provides its services and programs to the general public, however its scope of activities is directly related to the construction industry. In the years since its formation, the Foundation has narrowed its focus to the areas of vocational/technical education, college related programs, skill and management education, and the funding of research.

One of the earliest projects of the Foundation, and one that has gained the most public attention to date, is the youth publication series. CAR-toons, an easy-to-read, comic book format publication, was published in 1975. The booklet explains what job opportunities the construction industry has to offer students upon graduation and how they can go about finding a job. Following on the distribution of over 100,000 CAR-toons to teachers, counselors and parents, a second booklet, JOB-toons, emphasizing the importance of staying in school and learning a skill was created. In mid-1981 a third booklet was added to the series—JOB-toons-PRODUCTIVITY, which takes a student reader through a typical day on a construction project and introduces concepts such as teamwork, planning and scheduling, incentives and other items directly affecting productivity on a construction site.

The Foundation will send 100 complimentary copies of any of its youth publications to schools, libraries or other organizations for use in one-on-one counseling sessions, classroom use, or as handouts at career days. It is not hard to see why over half a million youth publications have been distributed after hearing a counselor in Louisiana comment, "The student's interest became very keen when they saw they could learn by a medium that they were used to seeing. We are simply delighted to have this booklet."

Just as the youth publication series has helped in the area of vocational/technical education, the Foundation has attempted to assist, both financially and in classroom related programs, the group of over 2,500 to 3,000 students graduating each year with bachelor of science degrees in construction. As in the case of financial aid to John Frampton, it also occurs through a college lecture series.

When long-time Trustee James S. Long, founder of the Miller & Long Company and past president of the national ABC, passed away in 1977, the Foundation created the James S. Long Memorial Fund to provide permanent funding for an annual scholarship award to a construction major. Several years later, the Merit Shop Scholarship Fund was created so individuals and firms could make tax-deductible gifts to support specific awards each year. Thus far, the Foundation has provided \$25,000 to 30 students in just four years.

Applications for scholarships are made available in early October, with



John Frampton of Chesapeake, right, is shown receiving the ABC Merit Shop Foundation \$1,000 Scholarship check from George Mikitzki, Director of the Foundation.

all forms and recommendations due back in the Foundation office by December 1. Recipients are selected on the basis of academic performance, financial need, leadership capabilities and extra-curricular activities. The winners are announced in early February, with awards ranging from \$500 to \$1,000. The scholarship program provides financial aid to worthy construction students, an opportunity for individuals to honor or memorialize friends or business associates without starting a scholarship program of their own, and award winners who can often assume entry-level managerial roles in companies due to the practical nature of a construction degree.

To also assist in the well-rounded, practical nature of construction degree programs offered at about 55 colleges and universities, the Foundation has sponsored a lecture series since 1976 on "free enterprise in construction." Contractors are engaged to speak to classes, student construction clubs, or student assemblies encompassing disciplines other than construction to provide students with a look at the highly competitive nature of construction. Over 65 lectures, addressing well-over 4,500 students at 30 schools across the nation have been conducted to provide construction majors with a professional's view of the business world.

The Foundation not only asks the contractor to give of his money and time, but attempts to place useful educational and training tools at his disposal. Educational seminars on "How To Work With the Davis-Bacon Act" and "Federal Contracting" are seminars that have been conducted at the annual ABC convention, but a critical need which is being met at the current time is the development of trained craftworkers through the ABC "Wheels of Learning Program."

In 1980, the Foundation provided a sizeable grant to serve as the initial funding for the development of training programs in 21 craft areas. "Wheels of Learning," as the program is known, is a competency-based training program that can be used to develop a multiskilled craftsman to suit either a contractor's particular needs or a worker's preference.

Trades are broken down into separate learning modules, each one representing a single skill. A module can be used to learn one specific task or it can be used in conjunction with other modules to create a broad skill-training program customized to meet current needs.

Student handbooks, instructor guides, tests and examinations are written by university curricula experts, undergo a year-long testing process, are revised as necessary, and are made available to the industry. The first year programs in electrical and plumbing will be available in the fall with the first year of eight other trades ready for field testing. The "Wheels of Learning" program is an attempt by ABC and the Foundation to meet, what might be, a shortage of over 1.9 million craftworkers in the next decade. (See the following article)

Research reports, in addition to programs directed to vocational/technical education, college programs and management/skill education, are also funded by the Foundation. Studies to educate contractors and legislators on the costly effect of state prevailing wage laws were published in 1976 and 1980, as well as a 1977 study documenting how construction costs of elementary and secondary schools are more costly when built under state prevailing wage laws. In July 1981 the Foundation provided a



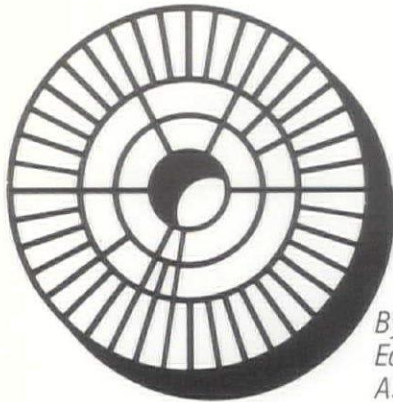
grant to the Wharton School of the University of Pennsylvania to update a 1976 book entitled OPEN SHOP CONSTRUCTION, which will replace an earlier publication of the same name and is considered to be the most extensive study of the open shop sector of the construction market. The extensive study includes indepth field interviews, surveys of contractors nationwide and a review of existing material to document the dramatic market changes for open shop contractors.

In addition, the Wharton School study will attempt to evaluate the future of the open shop sector and this is where the Foundation has concentrated its efforts. Its attention to the career development of junior and senior high school students, its program to financially assist college students to finish degree programs, and its effort to educate contractors and train craftworkers today for the anticipation of building needs tomorrow trans-

late into the future of the construction industry.

Foundations are known to be innovative and far-thinking in programs and the Merit Shop Foundation is no exception. If John Frampton is an example of the type of individual assisted by the Foundation, then the future is bright for the industry. The Merit Shop Foundation, in keeping with its charitable status, attempts to do its part for the future of the construction industry.

Persons interested in contributing to or learning more about the Merit Shop Foundation can write to George Mikitzki, Executive Vice President, 444 N. Capitol St. N.W. Suite 409, Washington, DC 20001.



## Wheels of Learning™

By Roger W. Liska, Director  
Education, Manpower, Safety  
Associated Builders & Contractors, Inc.

The construction industry represents 10% of the United States Gross National Product. According to a recent Bureau of Labor Statistics Report, the industry employs approximately five million people which represents 5% of the total U.S. work force and 25% of the nation's skilled work force. During the decades of the '80s, the Bureau of Labor Statistics estimates that about nine-hundred-thousand new jobs will be created for construction workers. In addition, about 1.5 million vacancies will occur by workers leaving the industry due to retirement, transfer to other industries, etc. This means a total of 2.4 million new construction craft persons will be needed by 1990.

In addition, current studies indicate that present programs are graduating only an average of 60,000 people per year. If the present rate of training is maintained over the next 10 years an insufficient number of construction trades people (600,000) will result. Therefore, there exists a need now and in the future for more people in the construction trades. But to place people, without training, into the vacant roles of construction workers is not enough. A more important and more immediate need is that of providing the thousands of required people with training.

Review of the current construction training market would turn up the fact that training is now being done by: Construction Trade Unions, Construction Related Associations, Construction Companies, Secondary and Post Secondary Institutions and Private Organizations.

If one were to examine the type and manner of training being done presently by the above mentioned organizations, the following problems arise:

1. Many programs have entrance requirements that tend to eliminate many of those people who typically fall in the category of unemployed (minorities, handicapped, youth, and women).
2. The amount of time it takes to obtain a sufficient number of skills to enter the job market is too long. Not only does this delay the person from becoming economically independent from government welfare programs but it unfortunately frustrates the person into dropping out of the training program and thus becoming one of the unemployed.
3. Current programs are not comprehensive in that a person who successfully completes the program cannot easily change to another trade or become a multi-skilled crafts person when the economy so demands. For example, a person completing a carpentry program, cannot, move into the masonry trade unless he or she proceeds through another long training program which is unrealistic economically.
4. Present training programs are inflexible in that they restrict the student to attend formal classroom sessions. This may in itself make education impossible due to the lack of transportation to the training site.
5. Present programs are not consistent nationwide. Typically, construction people tend to be transient in that upon the completion of a job they move on to a different location. Unfortunately if a person is enrolled in a training program at one location and the job he or she is working on is completed requiring a transfer to another job, in most cases the same exact training program is not available at the new location and thus the person cannot take up where he/she left off.
6. There are many training programs today that are not credible in that they do not teach the person what he or she needs to use in the field.

Therefore, there is a large pool of unemployed and under-trained people who could be employed and productive in the construction industry if adequate training were provided.

The Associated Builders & Contractors, Inc. recognizing the immediate and future needs of skilled construction crafts persons has underway a project to develop and implement a nationwide construction training program which will teach usable skills, in a timely manner, in a convenient location, at a relatively low cost. The new program titled "Wheels of Learning" is a competency based, task oriented training program in the following 21 construction trades:

Carpentry	Pipefitting
Ceramic Tile, Terrazzo	Roofing
Work	Sprinkler Fitting
Field Engineering	Insulating
Heating, Ventilating & Air Conditioning	Cement Masonry
Iron Working	Electrical
Masonry	Glazing
Operating Engineer	Millwrighting
Instrumentation	Plumbing
Lathing-Plastering	Welding
Painting	
Sheet Metal Work	

Each construction trade is broken down into separate instructional units (modules), with each module representing a single skill (task).

Each module contains three parts. The first part is the student manual, which contains the information needed to learn how to perform the specific task.

The second part is the instructor guide which is essentially a lesson plan for each class session.

The final part is a combination of a written and performance test. The results of the written test will tell the instructor how well the student has comprehended the written material while the performance test will give some indication to how well the student has mastered the specific task being studied.

A module can be used by itself to teach a specific task. This would have application for a contractor needing to train a large number of people in a few basic tasks, so they may become productive on the job in a short amount of time. Secondly, all the modules in any one trade can be used to form the basis (curriculum) of a formal apprenticeship training program in that trade. Last, and uniquely, one can draw various tasks from various trades to form an educational program for training a multi-skilled crafts-person. Essentially by doing this the sponsor of the program is developing a customized training experience.

The format of the program is such that it can be used in a formal classroom setting, in a con-



tractor's shop or on-site, or on an individual (self learning) basis.

In order to insure a quality program, a thorough development, review and testing program was initiated. The Associated Builders and Contractors investigated three possible methods for developing the training program: commercial producers, in-house staff, or university curriculum centers. After much consideration, it was decided that the university curriculum center approach was the most cost effective and would produce the most desirable end product.

The universities, which are selected on a competitive basis, provide the writers, illustrators, editors, and typists and consultants necessary to produce a camera ready copy of all student, instructor and evaluation information.

To assist the universities, ABC has provided a technical craft review committee for each trade.

The craft committee is comprised of people who have experience in the specific trade area. Each committee, once formulated, meets to develop a complete trade task analysis, and determines which modules need to be developed in what order. Once the tasks are identified, instructional units are written by the curriculum writers and drafts of same are transmitted to the craft committees for their review. The committee members comment and return their suggestions to the universities who in turn revise the modules.

After one year, the modules developed during that period are printed and field tested in specific regions of the United States (at ABC Chapters and ABC member companies). As a result of field testing, evaluations will be made as to the technical correctness of the material; its adaptability to instruction and the environment for

which it was designed; content and presentation in terms of ease of learning concepts presented; format; level of design in terms of readability and comprehension by the student, etc. These comments will be transmitted from the instructional staff at the field test site centers to the curriculum centers for incorporation into the instructional units.

A final copy will be produced, printed and distributed for sale. The cost of each instructional unit will be essentially the costs of printing, distribution, and future development and evaluation.

The current schedule calls for the entire program to be developed and available to the public by 1986. In addition, plans call for all 21 trades to be placed onto audio visual format by 1988.

Finally after the program has been used for a number of years (4-5) it will undergo a major evaluation. Ultimately, a nationwide certification program will be established the purpose of which would be to maintain a record of completion of one or more modules by the students. This certification program will insure a high quality program.

To maintain the desired high quality of the program, each trade is being developed and field tested over a number of years. At the present time, the first year of the electrical and plumbing trades have been field tested and will be available for purchase by the public in September 1981. Beginning also in September will be the field testing of the same two trades the second year. In addition, the first year of the HVAC, Sheet Metal, Operating Engineer, Iron Worker, Painting and Masonry trades will also begin field testing and the second year of development. Finally, the first year of the Welding, Pipe Fitting, and Carpentry craft will begin to be developed in September.

The projected cost in 1981 dollars of the first stage was about 4½ million dollars. And an additional 1.4 million will be needed to put the entire program in audio visual format.

To date, funding for this program has come from donations, from members of ABC, foundations, such as the Merit Shop Foundation, and users.

The completion of the Wheels of Learning Training Program will produce the following results:

1. Will provide early accomplishment and affordable educational opportunity to the vast members of unemployed people in America.
2. Will provide the construction industry with a steady supply of skilled workers in all trades that is so desperately required now and in the future.
3. Will instill within the individual taking advantage of the opportunity a sense of self worth and pride as a professional. This in turn will allow the person to be economically self sufficient and reduce the welfare rolls.
4. Will serve as a model for other professional craft training programs.

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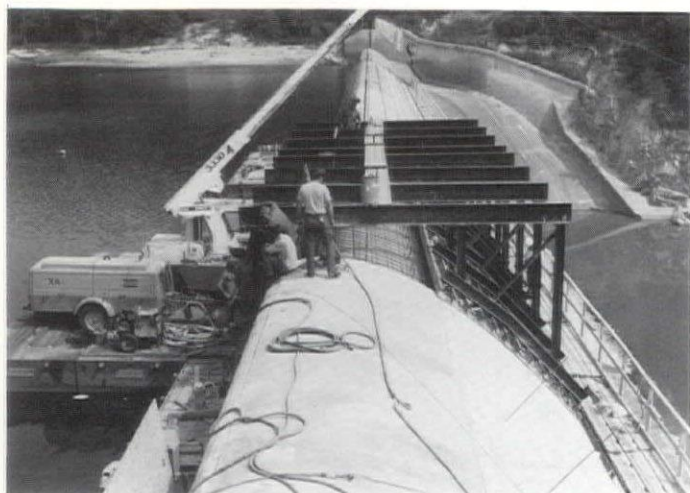
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# National APWA Contractor of the Year Award Goes to Chantilly Construction



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Chantilly Construction Corporation is the 1981 winner of the Contractor of the Year Award from the National American Public Works Association for its outstanding achievement on the Occoquan River Dam for the Fairfax County Water Authority. The firm, sponsored by the Fairfax County Water Authority, was nominated for the national award by the Virginia-DC-Maryland Chapter of APWA. Chantilly was chosen from among applications from 22 chapters in the country which were rated by a committee of the Institute of Municipal Engineering, composed of Chairman Harold Smith, Carl Wills, and Arnold Knudsen.

The winning project consisted of a \$545,000 contract to raise the height of the Upper Occoquan Dam by two feet, to increase the reservoir's storage capacity to 11 billion gallons from 9.86 billion gallons. This is equivalent to an additional 17 days of storage during droughts from which many areas of North America have been suffering.

Chantilly's Bill Gentry received the award at the annual banquet of the American Public Works Association, held earlier this year at the Baltimore Convention Center. Mr. Gentry, upon receiving the award noted the "fine service rendered by subcontractors and suppliers and most certainly, the



*AWARD PRESENTATION: Pictured left to right are: James A. McClung, APWA First Vice President, VA-DC-MD Chapter; Bill Gentry of Chantilly Construction, and Francis W. Kuchta, Chapter President.*

*Mr. Gentry is currently 3rd National Vice President for ABC and is a Past President of the Northern Virginia Chapter, ABC.*

positive, constructive attitude of the owner, the Fairfax County Water Authority." The project was completed on schedule and within budget, an accomplishment in itself, despite the presence of adverse conditions. To complete construction by the specified date, Chantilly extended the length of the workday as well as working numerous Saturdays and Sundays.

Special mention should be made of Chantilly's personnel on the Occoquan Dam job site. They were: Mickey Richardson, Vice President and General Superintendent; Mark Bailey, Project Manager; and Art Broughton, Project Supervisor. Others involved were: Harry Lambert; Shirley Grey, Jr.; Martin Bischoff; Randy Comer; Glen Vetterick; Mick Waterstraat; Bill Egger; Bill Rollins; James Gray, Jr.; Dennis Spaulding; Greg San Pietro; Frank Riley and David Snyder. Congratulations to all!

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- Builder/General Contractor—Walt Robbins, Inc.
- Photography—Fred Lieberman

Variety is the spice of life for builders, especially when it means finding a niche or unmet need in the non-residential market. Builders are still finding ways to add a different twist to basic types of non-residential projects. The combination of retail stores, offices and townhouses at Washington Square, presented here, is just one example.

Walt Robbins Inc. of Alexandria combined retail, office and residential units on a 50,000-square-foot site in the Old Town section of that city.

The architectural review boards in Historic districts that builders often view as roadblocks are not really bad if developers are willing to work with them according to Robbins. In fact, some architectural requirements can be turned into revenue-producing features. In this case, steep roof pitches were required to keep Washington Square in harmony with surrounding buildings in the historic area. Architect Walter Page, of Brown & Page in Alexandria, realized there was enough space in the attics created by the steep roofs to yield another level of office or residential space.

To get maximum use from the 50,000-square-foot site, valued at \$1.5 million, Walt Robbins, Inc. built a 110-space parking garage underneath the site. The deck on top of the garage was strong enough to allow the bearing walls for the units above to be placed in locations other than just on the support columns for the deck. The architect included 53,191 square feet of residential space and 37,241 square feet of commercial space atop the garage.

Although commercial and residential units occupy the same site, their spheres of activity were separated in the design. Residential units are oriented toward a courtyard. The offices on the upper three floors are oriented toward their own atrium courtyard (see cover photo) topped with a skylight not visible from the street. A portion of the offices back a row of residential townhouses.

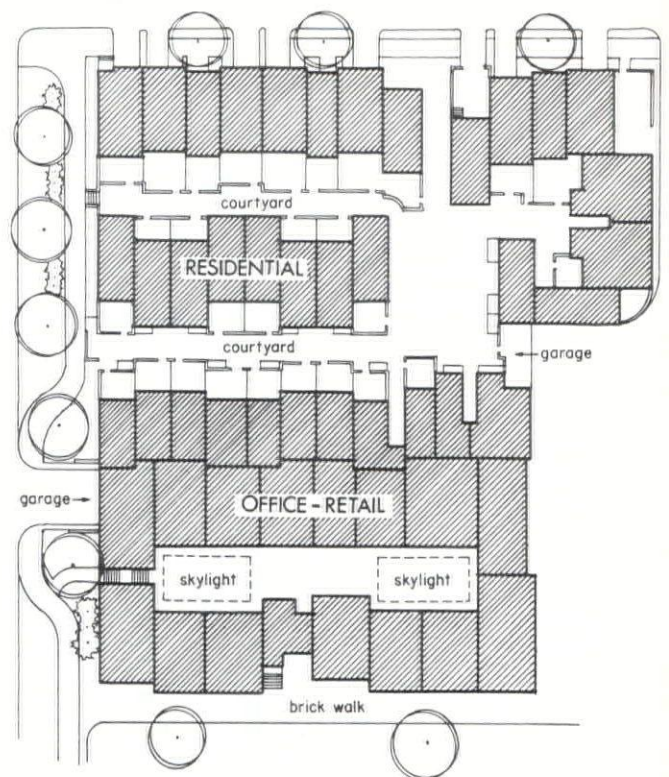
Construction costs for the total project averaged \$70 per square foot. The 140,432 square feet of space is about a three-to-one ratio of buildable square footage to total site size.

The Builder, Walt Robbins, Inc. of Alexandria acted as general contractor for the project.

## Subcontractors & Suppliers

John Driggs Co., Inc., Capitol Heights, MD, excavating; Beltway Landscapers, Alexandria, landscaping contractor; Roslyn Concrete, Roslyn, concrete contractor, reinforcing & prestressed concrete; Virginia Concrete Co., Inc., Springfield, concrete supplier; Long Masonry, Inc., Springfield, masonry contractor; Colonial Brick Co., Springfield, masonry manufacturer; Washington Block, Springfield, masonry supplier; Southern Iron Works, Inc., Springfield, steel supplier; Washington Stair and Ornamental Iron Works, Inc., Washington, DC, miscellaneous metal & handrails; Moore and Gardner Associates, Inc., Woodbridge, carpentry; Fairfax Lumber & Millwork, Alexandria, millwork & wood doors; Overton Cabinet Center, Alexandria, cabinets; Waterproof Systems, Bethesda, MD, waterproofing; and Paintrite, Inc., Arlington, caulking.

Also, Gheen Roofing Co., Ltd., Manassas, built-up roof & other roofing; Pel-Foam Insulation, Inc., Rockville, MD, roof insulation & wall insulation; W. T. Imlay Co., Merrifield, sheet metal & heating contractor; Salisbury Steel, Newington, metal doors & frames; Lamar & Wallace, Inc., Landover, MD, windows; Hardware Center, Inc., Capitol Heights, MD, hardware supplier; The Wesley Corp., Beltsville, gypsum board contractor; Dan Silvey, Calverton, MD, ceramic tile; Dan Watts House of Interiors, Inc., Springfield, carpet; Paintrite, Inc., Arlington, painting contractor; Capital-Asam, Inc., Washington, DC, wall covering; Schindler-Haughton Elevator Corp., Alexandria, elevators; Dagenhart Sprinkler Co., Richmond, sprinkler contractor; Murick Supply, Hyattsville, MD, plumbing fixture supplier; Krick of Maryland, Inc., Hyattsville, MD, plumbing contractor; Bennett Air Conditioning, Inc., Clinton, MD, air conditioning contractor; and Advance Electric Supply Co., Richmond, lighting fixtures supplier & electrical contractor.





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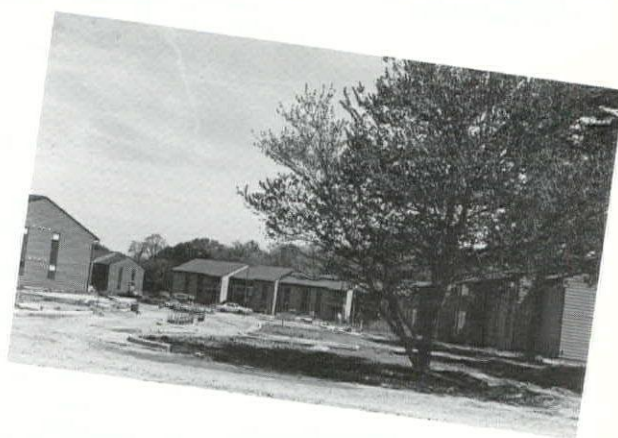
MARRIOTT HOTEL  
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USLICO BUILDING  
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ESSEX  
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Richmond





- Architect—D. I. Design & Development
- Consulting Architect—LBC & W
- Landscape Architect—Miglioretti Design Group
- Interior Design, Environetics, D.C., Inc.
- Mechanical/Electrical Engineer, Shefferman & Bigelson
- Structural Engineer—Martin & Cagley
- Civil Engineer—Dewberry, Nealon & Davis
- General Contractor—OMNI Construction, Inc.
- Photography—Barry Sisson Photography

PRC Corporate Headquarters, located at Route 123 and Lewisville Road in McLean, is approximately 440,000 square feet of office space consisting of two six-story towers with a connecting six-story atrium and a third connecting structure consisting of the plaza and two lower levels of parking. Each of the towers has a north and south wing, giving the project the appear-

ance of being two "v"s connected at their bases by the atrium.

This post-tensioned concrete structure has approximately 23,165 cubic yards of concrete and 985 tons of reinforcing steel. Concrete for the project was batched at the site and poured using two tower cranes at the rate of approximately 900 cubic yards per week. Concrete pours started in mid-April of 1980 and topped out on all three structures in October 1980.

Elevator service is provided by four elevators in each building core, in two banks of two each for a total of eight elevators. The elevators travel at a minimum speed of 350 ft/minute and are of the geared traction type. They provide service not only to the structure above grade but also to the below grade parking structures.

Heat and air conditioning is provided by

water cooled self-contained air handling units (two per floor) supplemented by perimeter heat pumps providing both heating and cooling capabilities. The atrium is serviced by a water source self-contained heat pump. Each of the two buildings has its own cooling tower and heat exchanger.

The window system is composed of ribbon windows at Floors 3, 4, 5, and 6, along with a curtain wall system at Floors 1 and 2. All glazing for the project is insulated and tinted.

The atrium's framing system provides a three-story open space from the revolving doors at the entrance to the 4th Floor walkway. The curved glazing in this area is a tinted plexiglass. Metal panels at the 6th Floor and Penthouse aid in accenting the "flow" of the atrium.

(Continued on page 51)

- Architect/Engineer—VVKR Incorporated
- General Contractor—OMNI Construction, Inc.

The Sperry-Univac Washington Area consolidation facility was constructed on a 27.5 acre site located on Westpark Drive in McLean. The facility is a six-story office building, with partial basement of approximately 250,000 gross square feet and will consolidate all Sperry-Univac's Washington Metropolitan area offices. The building has classroom facilities on the ground level where customers' employees will be instructed in the use of computer systems purchased. A

kitchen/dining facility is included which will serve Sperry-Univac's employees and customers separately. The major portion of the building's area is open office space, divided by demountable partitions. This gives Sperry-Univac the flexibility in the relocation of offices as required to reflect their corporate changes. The project provides site parking for approximately 875 cars.

The building has a cast-in-place concrete structure consisting of Waffle-slabs and 18" square concrete columns 28'-0" on center. This design was selected by the architect in order to

provide a structure which will carry large loads generated by computer equipment at a relatively inexpensive cost to Sperry-Univac.

The facade is composed of sand blast finished precast panels which match the exposed architectural white concrete mechanical room "towers" on the east and west ends of the building. Light, aqua-green, insulated glass was installed, in an attempt to help soften the building's appearance against the surrounding natural backdrop.

(Continued on page 52)

- Architect—Weihe, Black Jeffries, Strassman & Dove
- Interior Design—Marriott Corp.
- Mechanical/Electrical Engineer—General Engineering Assocs.
- Structural Engineer—KCE Structural Engineers
- Site Engineer—William H. Gordor
- General Contractor—OMNI Construction, Inc.

The Marriott at Tysons Corner is a 398-room hotel with ancillary areas consisting of a grand ballroom, a two-story atrium and bridge, an old English pub, a quaint restaurant, swimming pool, meeting rooms, and gift shop. Within the main structure are two floors of parking as well

as a two-story parking garage, assuring ample parking facilities on the site for the convenience of their guests.

The structure is 14 stories above and two below grade with a reinforced concrete frame. The skin consists of precast concrete with a custom window design that includes operable louver door for ventilation.

Heating and cooling is provided by the use of a four-pipe fan coil system in the guest rooms while the large public areas utilize ceiling hung air handling units.

The interior finishes received many accolades, among them, the Washington Building Congress Craftsmanship Award for the stucco work in the pool area. The interior finishes consist of extensive use of oak wall paneling, spraytex walls and ceilings, and quarry tile and carpet floors.

The most noteworthy accomplishment was the completion of the hotel, complex as the design was, five months early and substantially under budget. Due to the vastly improved com-

(Continued on page 55)

- Architect—Cross and Adreon, AIA
- Mechanical/Electrical Engineer—McDavid-Grotheer & Assoc.
- Structural Engineer—Meyer and Assoc.
- Civil Engineer—Kurt Pronske, PE
- General Contractor—OMNI Construction, Inc.
- Photography—Susan Diner, U.S.L.I.CO.

The United Services Life Insurance Company designed their building, which is located in Arlington, for the purpose of providing a service training center for their insurance field representatives. This multi-use structure was also

developed to house USLICO's own printing facility which produces the insurance policies, brochures, reports and other data necessary for the operation of the company.

The United Services Life Insurance Company also maintains its organization-wide computer operations and their regional sales office in the Arlington facility.

The focal point of the structure is the "White Cherokee" marble from The Georgia Marble Company, Atlanta, Georgia, which is the exterior veneer on this project. The marble surface has both smooth and abraded textures which com-

plement the building's vertical and horizontal lines.

A "Ziebel" anchoring system was used to support the marble. This system utilizes vertical unistruts which are bolted to the structure and also incorporates a variety of horizontal bed members which support the Kerf-edged marble.

Careful attention should be paid to the accurate alignment with the support system, as well as the precision of the actual marble placement; a fine example of quality stone veneer work.

(Continued on page 56)

- Architect—Ward & Hall & Associates
- Landscape Architect—Bremner, Youngblood & King, Inc.
- Mechanical/Electrical Engineer, Southern Engineer
- Structural Engineer—Advance Engineers
- General Contractor—OMNI Construction, Inc.

Data: Low income multiple family housing.  
One and two story wood frame buildings.  
Number of buildings: 26 Two-Story  
20 One-Story Elderly Units.  
4 One-Story Masonry.

#### Building Mix: TWO STORY BUILDING—16 UNITS EACH.

4-3 bedroom two bath units.  
4-3 bedroom one bath units.  
8-2 bedroom one bath units.  
(21-Handicapped units spread throughout the project.)

#### ONE STORY BUILDING—4 units each.

4-1 bedroom one bath units.  
8-Handicapped units.  
ONE STORY MASONRY BUILDING.  
Spread community centers.

Land Mass—(+ -) 56 Acres.

#### Construction Data:

- Complete new sanitary and storm sewers and land development in general.

- Demolition of 600 existing units that were constructed during the late 1940s.
- Relocated 201 families in a staged sequence from old units to new units upon completion.
- Project start date, November 1980.
- Contract time of completion: 22 months.
- Current scheduled completion time is 12 months.
- First building completed and occupied within six months from start of demolition.

**Discussion:** Omni Construction, Inc.'s intent was to hire local qualified subcontractors in all cases where possible. We were fortunate to find local qualified subcontractors in most trades.

Coordination and scheduling problems have been minimized due to the strengths of the local

(Continued on page 49)



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# 'Judicial Turnabout Leaves Union-Only Clauses Intact'

By

Gerald I. Katz, Esquire and  
Arthur I. Leaderman, Esquire

## Introduction

Historically, Virginia's building and contracting environment has been less union-intensive than nearby states due to Virginia's "right-to-work" law (Va. Code §40.1-58) and the exemption that the law creates from federal labor law preemption under Section 14(b) of the Taft-Hartley Act. Nevertheless, the Commonwealth's "traveling subcontractors" who work beyond the state's borders, and Virginia contractors, in general, should be alert to collective bargaining trends in the construction industry, and should know that serious attempts to eliminate "union-only" market restraints recently have been defeated in the federal courts.

## Decisional Flip-Flop Favors Unions

On April 17 the U.S. Court of Appeals for the Ninth Circuit, with 11 judges sitting *en banc*, reversed an earlier ruling which had limited the reach of "union-only" subcontract clauses in labor agreements between construction contractors and unions.

"Union-only" clauses forbid general contractors from subcontracting work to non-union subcontractors, regardless of whether the general contractor has any of its own employees at the jobsite.

Originally, in December 1979, a panel of three judges from the Ninth Circuit held that "union-only" clauses were sweeping trade restraints, not to be excused by the so-called "construction industry proviso" of Section 8(e) of the National Labor Relations Act (NLRA) which exempts certain labor agreements from the antitrust laws. But the unions got a rehearing of the question by the full court, and received an opposite ruling which allows use of the "union-only" clause.

The Ninth Circuit's decisional "flip-flop" involved the combined cases of *Pacific Northwest Chapter of AGC v. NLRB* and *Woelke-Romero Framing, Inc. v. NLRB*. The difficulties that federal judges had in reaching a consensus on this issue are derived from persistent ambiguities in the U.S. Supreme Court's 1975 decision on "union-only" clauses in *Connell Construction Co. v. Plumbers Local #100*.

In the *Pacific* case, a regional chapter of a construction trade association contested a provision of its 1975-1980 contract with a local of the International Union of Operating Engineers that prohibited general contractors from assigning jobsite work covered by the agreement to any subcontractor who did not have a current labor agreement with the union. A similar clause appeared in a multi-year contract between Woelke and the Brotherhood of Carpenters and Joiners.

Section 8(e) of the NLRA forbids such market restraints, but with two significant escape devices—one, a judicial exception, and the other,

based on a proviso within Section 8(e), popularly called "the construction industry proviso."

## The Mysterious Proviso

What exactly does the proviso say and, far more difficult, what does it mean?

This provision of the NLRA states that labor organizations and employees will not contract to refrain from handling products or to cease doing business with others:

*Provided*, that nothing in this subsection shall apply to an agreement between a labor organization and an employer in the construction industry relating to the contracting or subcontracting of work to be done at the site of the construction alteration, painting, or repair of a building, structure, or other work . . . .

A word-by-word examination of the proviso does appear to support the "union-only" clause. Nevertheless, the first time the Ninth Circuit examined these cases the panel looked at the Supreme Court's earlier interpretation of the proviso in *Connell*.

In *Connell* a union, after picketing and shutting down a site, had obtained a "union-only" subcontracting agreement with a general contractor even though the union did not represent or seek to represent the contractor's employees. The contractor sued to invalidate the clause. Ultimately the Supreme Court upheld the general contractor's antitrust suit against the union. The Supreme Court clearly stated that subcontracting clauses applicable to every jobsite where the general contractor might hire subcontractors were invalid when entered outside the context of the collective bargaining relationship between the union and the contractor.

The Supreme Court examined the legislative history of the NLRA and emphasized that the purpose of Section 8(e) was to "proscribe using contractual agreements to achieve economic coercion." The proviso, the Court said, was never meant to encourage "union-only" clauses as a broad weapon for top-down organizing. Rather, a key purpose was to alleviate the friction that could arise when non-union workers were continuously working alongside union workers at the same site. Hence, while the Supreme Court in *Connell* did not exactly say so, it could be fairly implied that subcontracting clauses that went beyond the purpose of alleviating workplace friction were arguably illegal trade restraints that the proviso was not intended to protect. The cases before the Ninth Circuit were clearly different from *Connell* be-

cause the two unions involved did have collective bargaining agreements on behalf of employees of the signatory contractors. Nevertheless, *Connell* was still interpreted to prohibit "union-only" clauses.

## One Requirement or Two?

Specifically, in 1979, on the first hearing, the Ninth Circuit read *Connell* to mean that the proviso protects "union-only" clauses only when two requirements are satisfied:

1. a collective bargaining relationship exists between the signatories; and
2. the employer or his subcontractor have employees who are members of the signatory union who would be at work at a jobsite during a time when the employer contractor would want to engage a nonunion subcontractor.

When the Ninth Circuit first examined the issue the Court said that disputed clauses were designed to forbid the use of subcontractors who had no contract with the union regardless of whether workers from the signatory union would be on the site or not. Hence, the clause covered many situations where jobsite friction would not be an issue, leaving no countervailing excuse to lift the bar against possible economic coercion. In other words, the second requirement was not satisfied.

The unions successfully applied for a rehearing by all of the Circuit Court judges, instead of the initial three-judge panel. The second time around the unions prevailed.

The Court said that the pivotal issue was the existence of a bargaining agreement between the general contractor and the union. The earlier panel had placed too much emphasis on shoulder-to-shoulder friction among workers as a necessary justification for a "union-only" clause.

Other vital concerns besides antagonism to "top down" organizing and avoiding jobsite conflict favored the unions, said the Court in its second look at the case. The judges said that the protection of the proviso should apply to any jobsite where an employer with a collective bargaining relationship with a union is a contractor.

The Court noted that in the situations involved in these cases, the contractor may have had a choice: 1) to use its employees (subject to a collective bargaining agreement); 2) to subcontract to other employees who might use the same or other union workers; or 3) to use workers with no union ties, perhaps by keeping all union workers off the job. Under these conditions, a union with an active bargaining relationship with the contractor, according to the Court, would have an interest in maintaining wage levels and continuous work for its own members

GERALD I. KATZ is a principal in the law firm of Wickwire, Gavin & Gibbs, P.C., with offices in Washington, D.C., Virginia and Los Angeles, California and specializes in the representation of clients involved in construction contract disputes. Mr. Katz received both a Bachelor of Arts with Distinction and a Juris Doctorate degree from the University of Virginia.

Mr. Katz is a member of the Bars of the District of Columbia, Virginia, United States Supreme Court and United States Court of Claims. In addition, he is a member of the American Bar Association Public Contract Law Section, Litigation Section, Forum Committee on Construction Litigation Law and Subcommittee on Claims and Disputes Procedures; The Virginia Bar Association, District of Columbia Bar Association and Fairfax County Bar Association. Mr. Katz also serves as an arbitrator on the American Arbitration Association's Construction Industry Arbitration Panel.

Mr. Katz has spoken widely to construction trade associations and attorneys on such topics as construction litigation, claims, labor law,

arbitration of construction disputes, mechanic's liens and OSHA. He has also written articles on topics of interest to the construction industry such as "Government Assistance to Minority Contractors: Is A New Approach Needed?" *Merit Shop Contractor*, Vol. 25, No. 12, December 1977; "Has the Time Come to End Labor's Antitrust Immunity?" *Merit Shop Contractor*, Vol. 27, No. 6, June 1979; Co-Author: "Arbitration v. Litigation," *Merit Shop Contractor*, Vol. 26, No. 11, November 1978; "How the New Contract Disputes Act Affects Contractors," *Merit Shop Contractor*, Vol. 27, No. 9, September 1979; "Antitrust Laws Apply to Small Companies, Too," *Merit Shop Contractor*, Vol. 28, No. 8, August 1980; *Contractor's Introduction to Virginia Mechanic's Lien Laws*, 1980, published by Associated General Contractors of Virginia; and *Construction Law in Virginia*, 1981.

ARTHUR I. LEADERMAN is an associate of the law firm of Wickwire, Gavin & Gibbs, P.C. in Vienna, Virginia. He is a graduate of Columbia University and Catholic University School of Law.





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that could be directly benefited by a "union-only" clause.

In sum, the "union-only" clause was upheld. This decision does not necessarily have nationwide impact, but currently there are no substantial attacks on "union-only" clauses in the federal courts.

### So, Restraints Continue

Unless the Supreme Court chooses to review *Pacific* and *Woelke-Romero*, unions apparently will be able to restrict subcontracting regardless of whether or not their own members are employed by the signatory employer at a jobsite. A decision by the Supreme Court on whether to grant review may come in October after the Court's fall term begins. Recently, the District of Columbia Circuit Court of Appeals in *Schrivier v. NLRB* (1980) expressly declined to limit the scope of a "union-only" clause and rejected the reasoning cited by the first Ninth Circuit panel in *Pacific*. The Supreme Court has already declined to review *Schrivier*.

Without a Supreme Court review of these recent cases, Virginia contractors can expect the current market restraint of the "construction industry proviso" to continue to prevail.

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## Ashburn

- Owner—Fairfax City
- Architect—Gannett Fleming Corddry & Carpenter, Inc.
- General Contractor—G & C Construction Corp.
- Photography—Barry Sisson

The project consisted of two parts, construction of a new water treatment plant and rehabilitation of the existing facility. When completed, the water treatment plant will produce approximately 20 million gallons of treated water per day. The plant will serve primarily Fairfax City, Herndon and parts of Sterling.

The new construction in part consisted of a three-story administration building that houses the main instrumentation panel which controls all the functions throughout the plant, and the various automatic chemical feed devices that treat the water. A new filter building was constructed that included four main filtering boxes. Other new work included an addition to the high service pump station and an addition to the raw water intake. In front of the filter building two large sedimentation basins and two concrete flocculators were built.

The rehabilitation of the existing plant could not begin until the new portion was in operation. Work had to be very carefully scheduled because water service could not be interrupted. Total plant shut down could only be for eight hours. During the construction, many scheduled shut downs had to be postponed for weeks until adequate water reserves could be stockpiled.

The project architecturally was not that complex, but mechanically and electrically, the project is very sophisticated. John J. Wilson Inc., performed all the mechanical work and Herring Electric Co., Inc. performed the electrical portion.

The major problem that was encountered was the procurement of the specialized pumps, huge valves, special piping and instrumentation. The equipment is so unique that a year delivery period was not unusual. Even after the equipment was received and installed, factory representatives would work on items such as the instrumentation for months to get the various automatic operations totally and reliably functional.

One unusual portion of the project was the work that was performed approximately 25 feet

below the water of Goose Creek itself. The existing intake structure had been built many years ago, our job was to install a new intake pipe and a new concrete structure. We employed L. A. Melka Marine Construction & Diving Company, Inc. to do the underwater work. A great deal of underwater excavation, including cutting into rock, had to be performed. Once the pipe was prepared and the area for the new footing was cleared the concrete was poured under water.

The intake structure itself was cast on shore and, in two pieces, hoisted into place by large crane. The structure then was assembled underwater by Melka's divers.

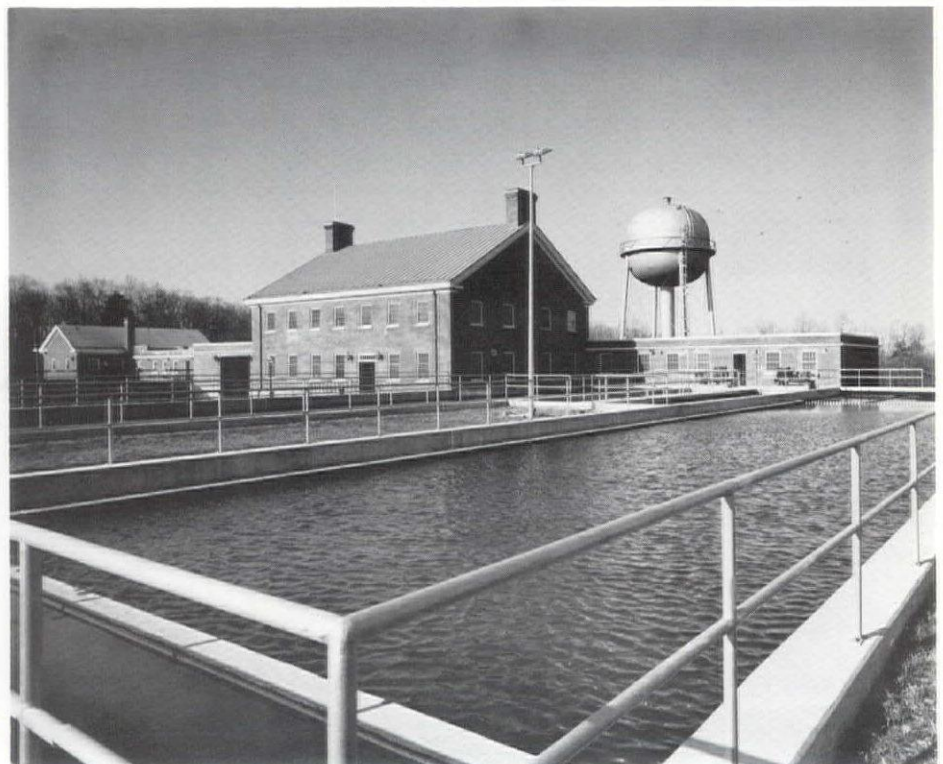
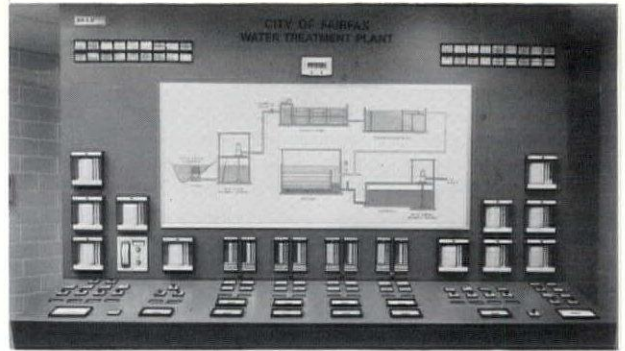
G & C Construction Corp. of Tysons Corner, the general contractor, handled excavating, foundations, concrete work, and carpentry.

### Subcontractors & Suppliers

Great Fall Excavating, Herndon, sodding, seeding, etc.; B & M Nursery, Fairfax, landscaping & landscaping contractor; Jake's Paving, Leesburg, paving contractor; The Ceco Corp., Beaver Heights, MD, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; Nitterhouse Concrete Products, Inc., Chambersburg, PA, prestressed concrete; Magna Masonry, Rockville, MD, masonry con-

tractor, stonework contractor & structural (glazed) tile; Glen-Gery Brick, masonry manufacturer; Fluck Cut Stone Co., Bloomington, IN, stonework supplier; Justice Steel, Nashville, TN, steel supplier & miscellaneous metal; Williams Enterprises, Inc., Merrifield, steel erection; Fredrich Schill, Ronceverte, WV, millwork & wood doors; and National Restoration Corp., Merrifield, waterproofing, caulking & painting contractor.

Also, Warren-Ehret-Linck Co., Laurel, MD, built-up roof & sheet metal; American Steel Products, New York, NY, metal doors & frames; W. A. Smoot, Alexandria, windows; Webb Builders Hardware, Arlington, TX, hardware supplier; Southern Floors & Acoustics, Inc., Merrifield, gypsum board contractor & acoustical treatment; McClary Tile, Inc., Alexandria, ceramic tile; Koppers Co., Inc., Pittsburgh, PA, paint supplier; L. A. Melka Marine Construction & Diving Co., Inc., Alexandria, underwater work; U. S. Elevator, Beltsville, MD, elevators; John J. Wilson, Inc., Forestville, MD, plumbing/heating/ventilating/air conditioning contractor; Herring Electric Co., Inc., Chantilly, electrical contractor; Peerless, pumps; Roberts Filter, filter equipment; and BIF, instrumentation.







## F.B.I. FORENSIC LAB

### Quantico

- Architect—Dickey & Dickey
- Mechanical/Electrical Engineer—G.H.T., Ltd.
- Structural Engineer—Gray, Heinzman Pa.
- General Contractor—E. H. Glover, Inc.
- Photography—Kent Dickey

The new F.B.I. Forensic Sciences Research Facility is a unique addition to the F.B.I. Academy in Quantico. This three-story building provides 40,000 s.f. of space including an auditorium, lecture room, office space, laboratories and training areas. The facility will be used to conduct research in crime solving and prevention.

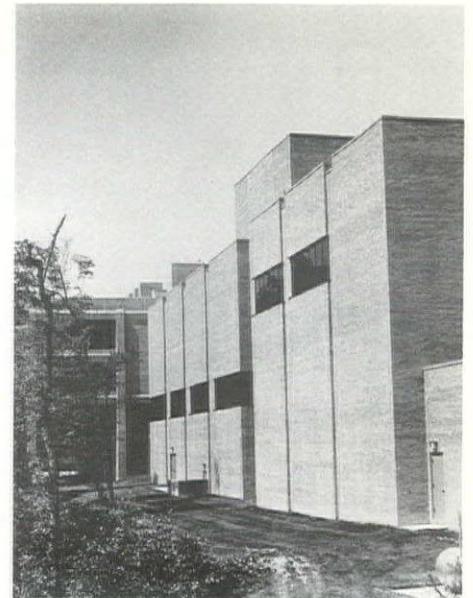
The building is structural steel with non-load bearing exterior walls constructed of face brick with CMU backup. This design allowed the structural steel and masonry to be erected independent of one another, which eased coordination and scheduling. This was a major contribution

to the project, completed on time and successful for everyone involved.

E. H. Glover, Inc. of Fairfax was general contractor for the project.

#### Subcontractors & Suppliers

Price Excavating Co., Inc., Fairfax, excavating; Franki Foundation Co., Arlington, piling; R. W. Blake Landscaping, Waterford, sodding, seeding, etc., landscaping & landscaping contractor; Sam Finley Co., Chantilly, paving contractor; Waddell Construction, Alexandria, concrete contractor; Bowie Steel, Bowie, MD, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; Adams Fabricated Steel Corp., Washington, DC, steel supplier/erection/joists/roof deck; Hallmark Iron Works, Newington, miscellaneous metal; Arlington Woodworking & Lumber Co., Inc., McLean, millwork & wood doors; Prospect Enterprises, Inc., McLean, waterproofing; and Tonstad Caulking Co., Inc., Alexandria, caulking.



Also, J. W. Conway, Inc., Hyattsville, MD, built-up roof, roof insulation & sheet metal; Associated Glass Co., Inc., Fairfax, glass, glazing contractor & windows; Superior Fireproof Door, Scranton, PA, metal doors & frames; J. B. Kendall Co., Washington, DC, hardware supplier; Russell L. Barton Drywall & Plastering, Inc., Vienna, gypsum board contractor; McClary Tile, Inc., Alexandria, ceramic tile; Southern Floors & Acoustics, Inc., Merrifield, acoustical treatment & special wood flooring; Marty's Floor Covering Co., Inc., Alexandria, resilient tile & carpet; Higham Co., Inc., Alexandria, painting contractor & wall covering; Westinghouse Elevator Co., Upper Marlboro, MD, elevators; The Noland Co., Falls Church, plumbing fixture supplier; R. E. Anderson Co., Inc., Washington, DC, plumbing/heating/ventilating/air conditioning contractor; Ennis Electric Co., Inc., Manassas, electrical contractor; Duralab Equipment Co., New York, NY, casework.

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- Mechanical/Electrical Engineer—Benbassat & Spordis Co.
- Structural Engineer—Smislova, Kehnemui & Assoc.
- Civil Engineer—Patton, Harris, Rust & Gay
- Interior Design—Business Furniture & Interiors
- Photography—Image Factory
- General Contractor—E. H. Glover, Inc.

King Wholesale in Chantilly is a totally modernized beer warehouse with 56,000 square feet of refrigerated warehouse space and approximately 7,000 square feet of office space. Massive earth berms were used at the exterior walls of the warehouse area in the interest of energy conservation.

Beer cases and kegs will be loaded, stored and transported with a fully automatic robot system. The unique cooling system is computer controlled and temperatures are adjusted automatically to meet the seasonal requirements of Budweiser.

E. H. Glover, Inc. of Fairfax was general contractor for the project.

### **Subcontractors & Suppliers**

Haass & Broyles Excavators, Inc., Hyattsville, MD, excavating; William B. Hopke Co., Inc., Alexandria, site utilities; Sam Finley Co., Chantilly, paving contractor; Nitterhouse Concrete

Products, Inc., Chambersburg, PA, prestressed plank & beams; David Campbell Concrete Construction Co., Inc., Springfield, concrete contractor; United Masonry, Inc. of Virginia, Alexandria, masonry contractor; Parkway Associates, Rockville, MD, prefabricated aluminum siding; B.F.W. Fabrication Co., Brandywine, MD, structural steel; steel deck, steel joists & miscellaneous metal; Commercial Erectors, Inc., Aldie, steel erection; Arlington Woodworking & Lumber Co., Inc., McLean, millwork; Prospect Enterprises, Inc., McLean, dampproofing & waterproofing; and Wilmar Contractors, Inc., Gainesville, caulking & painting contractor.

Also, R. D. Bean, Inc., Beltsville, MD, other roofing & sheet metal; Davenport Insulation, Inc., Springfield, wall insulation; The McGuire Co., One Hudson, NY, c/o A. L. Stevens Assoc., Landover Hills, MD, loading dock levelers & pad; Herndon Glass Co., Herndon, glass, glazing con-

tractor & storefront; Overhead Door Co. of N. Washington, Beltsville, MD, overhead doors; Fries, Beall & Sharp Co., Springfield, hardware supplier; Dodd Brothers, Inc., Falls Church, dry-wall & Dryvit work; Stevens Tile & Marble Co., Inc., Kensington, MD, ceramic tile; Smith Refrigeration, Baltimore, MD, horizontal sliding cold storage doors; Southern Floors & Acoustics, Inc., Merrifield, acoustical ceiling; Marty's Floor Covering Co., Inc., Alexandria, carpet, resilient floor, mat & frame work; Steel Products, Inc., Rockville, MD, toilet partitions; Richard I. Schoenfelder, Inc., Fairfax, folding partitions; Asmar Co., Inc., Vienna, refrigeration work & heating/ventilating/air conditioning contractor; Grinnell Fire Protection Systems Co., Inc., Columbia, MD, sprinkler contractor; F. A. Dellastatious, Inc., T/A Springfield Plumbing & Heating, Springfield, plumbing contractor; and Becker Electric Co., Inc., Alexandria, electrical contractor.

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# In Curbing Inflation, Reagan Should Club Davis-Bacon

by Hubert L. Harris

As the Reagan Administration continues its assault on inflation and the bloated federal bureaucracy, the budget cutters would be wise—especially while the President enjoys broad public support—to look at those laws, rules, and regulations that govern federal procurement policies, like the Davis-Bacon Act, which tend to increase the cost of government construction unnecessarily.

Davis-Bacon, it seems, is one of those government goodies that never seems to make the list when it comes to curbing government expenditures. But if the Reagan Administration is serious about curbing inflation, it should try putting a club to Davis-Bacon. Not only are there real tax savings to be gained from eliminating the 1931 law which guarantees a premium (usually union) wage for anyone working on a federally-financed project, but such a move would enhance the Administration's credibility in the fight against inflation.

Many of the same budget cuts and regulatory reform issues that the Reagan Administration is offering today were discussed during the Carter Administration, including farm price support levels, trade adjustment assistance, public works, and deregulating business and industry.

But when, for example, organized labor discovered the Carter Administration was considering reform of the Depression-age Davis-Bacon Act, which requires payment of so-called prevailing, (i.e., union) wages on federal construction projects, the unions let out a raucous cry. Even before the Administration could publish an interagency study on the issue by the Office of Federal Procurement Policy, which would have suggested savings of a billion dollars or more, the idea was scuttled.

Some estimates put the cost of federal government construction at nearly 15 percent higher than that of private sector construction. If this is true, then the government's \$35 billion construction program this year will cost the American taxpayers \$5.2 billion more than it ought to. And if the "trickle down" theory of other experts is true, then the total economy-wide cost of Davis-Bacon—because its impact extends to local government programs and private construction as well—may well be more than \$15 billion a year in excess construction costs.

The reason, of course, why this outrage has been allowed to continue is a lesson in influence—organized labor's influence. Back in 1931, during the depths of the Depression, Congress passed Davis-Bacon as a way to prevent itinerant contractors from undercutting bids on federal projects by employing mostly black, non-union labor. The government decreed that henceforth it would be illegal to use wage rates as a factor in competitive bidding.

A lot has changed since 1931. And even though the average construction worker's wage is nearly twice that of the average wage of all workers, we still have Davis-Bacon, which sets minimum wage sometimes as much as \$7 more than the prevailing wage.

We have it because organized labor has successfully bottled up repeal bills, thwarted reform efforts, and kept Davis-Bacon from public scrutiny for 50 years. Congress, at least until now,

has been convinced that Davis-Bacon is as important in protecting highly skilled construction workers from being exploited as the minimum wage is in protecting the least skilled workers from being exploited, or the farm price support program in protecting farmers' incomes.

Unfortunately, Davis-Bacon has been portrayed as a life or death issue when nothing could be further from the truth. Upon close examination, it is easy to see the inflationary impact of Davis-Bacon, estimated by some to be as high as 15 percent. Not only is it out of step with the growing demand for more modern government practices, it has been found to shut out classes of people such as minorities, women and youths—to the extent that most of these people are not fortunate enough to have high paying skilled jobs in the construction building trades unions.

Because the law specifies that generally high wage rates be paid workers in rigid work classifications, the disincentive is strong for contractors not to hire entry level people. And many contractors, who do hire entry level workers for many tasks, refuse to bid on federal work. Such a policy protects no one and deprives the public of a more competitive bid situation.

Recently, however, the Conservative Democratic Forum, a group of 40 or so Democrats in the House, recognized the folly of Davis-Bacon and called for its repeal as a way to save billions of tax dollars. Other Democrats, too, are reportedly considering breaking their historic endorsement of the law and suggesting, at the minimum, substantial reform. Many of them openly acknowledge that the federal government has been successful in protecting the standard of living of construction workers—at the expense of the government.

And that expense has not been small. The most conservative estimate is that by eliminating Davis-Bacon, the federal government could

save over \$4 billion in the next five years without penalizing the poor, the deprived or the needy.

The problem with the federal budget is that it suffers from the weight of its own momentum, a fact that has not gone unnoticed in previous administrations. When you consider that 73 percent of the federal budget under the Reagan proposal will go toward preserving certain "safety net" programs and maintaining—expanding—the defense establishment, the flexibility a president has for budgetary control diminishes considerably.

Despite the reforms the President has proposed to make in some entitlement programs, while pledging to maintain the "social safety net," there are still far too many people—and businesses—to slip under the net. In the case of Davis-Bacon, which has itself become somewhat of an entitlement provision, it simply acts to give those working on federal projects a bonus. This should not be.

Because the President now has the advantage of having public support for his economic program, he has unprecedented opportunity to do something that no other president has been able to do, and that is to substantially reform the federal government and its bureaucracy by controlling the federal budget.

The best way to deal with Davis-Bacon in the current environment is as a budget issue, which it is; and not as a labor issue, which it is not. It is time for Congress to recognize that its past good deeds have accomplished their intended results, especially in the case of Davis-Bacon. It's one of those items that has been on the government's shelf too long. The time to remove it is now, quickly while the public sentiment for change runs deep.

HUBERT L. HARRIS, formerly an assistant director of the Office of Management and Budget, is executive vice president of Associated Builders and Contractors, Inc.



Left to right above are: Hubert L. Harris, Executive Vice President, ABC; Franz E. June, ABC National President; Ray Donovan, Secretary of Labor; and Ted C. Kennedy, ABC Immediate Past President.





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The Tycon III Office Building is an eight story building that features a five level sculptured arch supporting a three story curved vierendeel truss system. Designed with a twenty-first century appearance, the structure has an elegant "S" shaped exterior with precast fascia and continuous flush glazed windows. The five story high main entry to the building is emphasized with the arch along with a 175 foot long covered walkway at the first level.

The building's designers utilized a plastic composite structural system (3 1/4 inch concrete topping on a 2 inch steel deck over steel beams). This design offered a more substantial savings than typical concrete construction. The frame is constructed of ASTM 36 structural steel and the

two large steel box columns, which support the projecting curved vierendeel truss, are WF14 x 311.

The building is leased to one tenant, GTE-Telenet Communications Corporation, which develops hardware and software for the transmission of data for both private industries and government via public or private communications systems. Tycon III serves as their headquarters building and has been renamed the GTE-Telenet Building.

The design of the project was done by Arthur Cotton Moore Associates, a Washington based architectural and planning firm, whose project architect was Volker Zinser. The building was developed by Tycon Developers, with James T. Lewis and Richard M. Patrick as managing partners. They have developed two other Tycon Buildings with a fourth presently under construction.

- Owner' Representative—Tycon Construction Co.
- Owner & Developer—Tycon Developers, Inc.
- Architect—Arthur Cotton Moore Associates
- Mechanical/Electrical Engineer—Harold Schwartz
- Structural Engineer—Gillum-Colaco
- General Contractor—Glen Construction Co., Inc.

The general contractor is Glen Construction Company, Inc., located in Rockville, Maryland, who project manager was Robert D. Taylor. The owner's representative was Robert A. McGraw, who is president of Tycon Construction Company, Inc.

Glen Construction Co., Inc. of Rockville, Maryland the general contractor, handled masonry work and carpentry.

### Subcontractors & Suppliers

Fairland Excavating Co., Gaithersburg, MD, excavating; Franki Foundation Co., Arlington, piling; Lawrence Musser & Sons, Inc., Gaithersburg, MD, sodding, seeding, etc.; Area Landscaping, Fairfax, landscaping contractor; Sam Finley, Inc., Chantilly, paving contractor; Todd Construction, Fairfax, concrete contractor; Trowbridge Steel Co., Inc., Sterling, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; BFW Fabrication Co., Brandywine, MD, steel supplier; L. R. Wilson & Sons, Annapolis, MD, steel erection; Acme Iron Works, Inc., Tuxedo, MD, miscellaneous metal; Arlington Woodworking & Lumber Co., McLean, millwork & wood doors; Bethesda Asphalt & Bituminous, Rockville, MD, waterproofing; and Wilcox Caulking Corp., Lorton, caulking.

Also, R. D. Bean, Inc., Beltsville, MD, built-up roof; PPG Industries, Inc., Hyattsville, MD, glass, glazing contractor, windows & storefront; Swingin' Door, Inc., Rockville, MD, metal doors & frames; Builder's Hardware Corp., Rockville, MD, hardware supplier; Ceiling & Partitions, Inc., Washington, DC, acoustical treatment & gypsum board contractor; McClary Tile, Inc., Alexandria, ceramic tile; Southern Maryland Floor Co., Waldorf, MD, resilient tile; Park Carpet & Design, Falls Church, carpet; Gemini Painting & Wallcovering, Inc., Upper Marlboro, MD, painting contractor; Chris Ball Assoc., Inc., Bowie, MD, wall covering; Leonard's Draperies, Inc., Beltsville, MD, drapes; Belsinger Sign Works, Inc., Baltimore, MD, fascia & canopy; U.S. Elevator, Beltsville, MD, elevators; Anderson & Cramer, Inc., Chantilly, plumbing/heating/ventilating/air conditioning contractor; and Pel-Bern Electric, Inc., Rockville, MD, electrical contractor.

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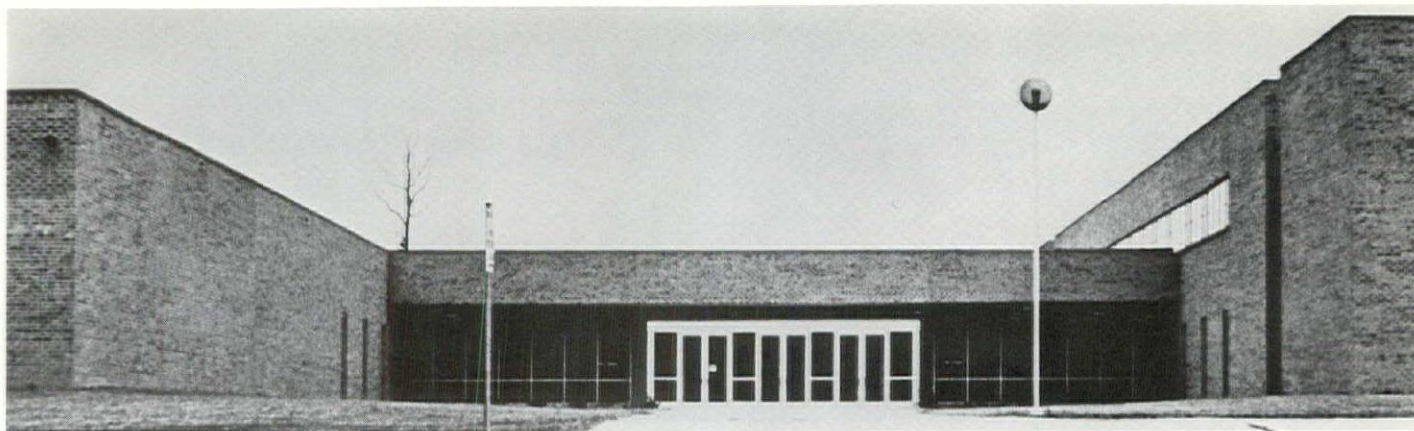


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## POTOMAC SENIOR HIGH SCHOOL

### Woodbridge

- Odell Associates—Architect/Engineer
- General Contractor—L. F. Jennings, Inc.
- Photography—Image Factory

Potomac Senior High School in Woodbridge was designed by Odell Associates. The project was completed in November 1980.

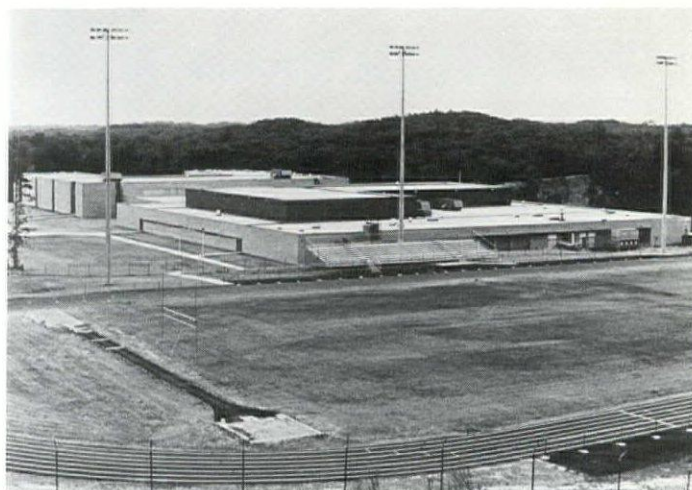
L. F. Jennings, Inc. of Falls Church was general contractor and handled foundations, concrete work, masonry work, carpentry and foundation insulation.

#### Subcontractors & Suppliers

Alexandria firms were: Virginia Roofing Corp., built-up roof & roof insulation; Marty's Floor Covering Co., Inc., resilient tile; United Sprinkler Co., Inc., sprinkler contractor; and Walter C. Davis & Son, Inc., electrical contractor.

Others were: Brooks Landscaping, Manassas, sodding, seeding, etc.; General Paving Corp., Manassas, paving contractor; Montague-Betts Co., Inc., Lynchburg, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; Southern Iron Works, Inc., Springfield, steel supplier/erection/joists/roof deck; Acme Iron Works, Inc., Tuxedo, MD, miscellaneous metal & handrails; Herndon Lumber & Millwork, Gainesville, millwork, cabinets & wood doors; The Bethesda Asphalt & Bituminous Co., Rockville, MD, waterproofing; and Wilmar Contractors, Inc., Gainesville, caulking & painting contractor.

Also, Davenport Insulation, Inc., Springfield, wall insulation; Woodbridge Glass Co., Inc., Woodbridge, glass, glazing contractor, window wall & storefront; Superior Fireproof Door, Scranton, PA, metal doors & frames;



Engineered Construction Products, Ltd., Frederick, MD, windows; Lynchburg Overhead Door Co., Lynchburg, hardware supplier; Edgar K. Jones, Jr., Inc., Arlington, plaster contractor & gypsum board contractor; Franklin Marble & Tile Co., Capitol Heights, MD, ceramic tile & terrazzo; Acoustical Ceilings, Inc., Merrifield, acoustical treatment; Martin Surfacing & Decking, Inc., Baltimore, MD, special flooring; Dover Elevator Co., Richmond, elevators; Gary L. Burroughs Painting Contractor, Inc., Poolsville, MD, plumbing contractor; and Anderson & Cramer, Inc., Chantilly, heating/ventilating/air conditioning contractor.

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- Mechanical/Electrical Engineer—Lawrence & Associates
- Structural Engineer—Advanced Engineering
- General Contractor—L. F. Jennings, Inc.



The Jones Street Office Building in Fairfax, designed by Anthony F. Musolino, AIA, was completed in January 1981.

L. F. Jennings, Inc. of Falls Church was the general contractor and also handled masonry work and carpentry.

## Subcontractors & Suppliers

John Driggs Co., Inc., Capitol Heights, MD, excavating; Beltway Landscapers, Alexandria, landscaping; National Asphalt Paving Corp., Merrifield, paving contractor; Waddell Construction Co., Inc., Annandale, foundations & concrete contractor; Trowbridge Steel Co., Inc., Sterling, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; Globe Iron Construction Co., Inc., Norfolk, steel supplier; H & R Fabricators, Winchester, steel erection; Guille Steel Products Co., Inc., Virginia Beach, steel joists/roof deck & other roof deck; H & R Fabricators, Winchester, miscellaneous metal & handrails; Herndon Lumber & Millwork, Gainesville, millwork; and Bryan & Associates, Edmonston, MD, caulking & painting contractor.

Also, R. D. Bean, Inc., Beltsville, MD, built-up roof; Woodbridge Glass Co., Inc., Woodbridge, glass, glazing contractor & storefront; Swingin' Door, Inc., Rockville, MD, metal doors & frames & wood doors; James A. Cassidy Co., Inc., Beltsville, MD, windows; J. B. Kendall Co., Washington, DC, hardware supplier; Dodd Bros., Inc., Falls Church, plaster contractor & gypsum board contractor; McClary Tile, Inc., Alexandria, ceramic tile; Acoustical Ceilings, Inc., Merrifield, acoustical treatment; Marty's Floor Covering Co., Inc., Alexandria, resilient tile & carpet; Westinghouse Elevator Co., Upper Marlboro, MD, elevators; Ronco Mechanical Contractors, Inc., Clinton, MD, plumbing/heating/ventilating/air conditioning contractor; and D. A. Hitt, Electric, Falls Church, electrical contractor.

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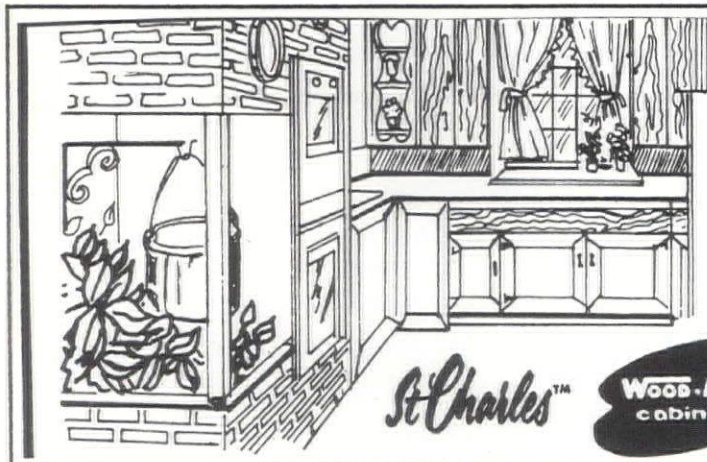
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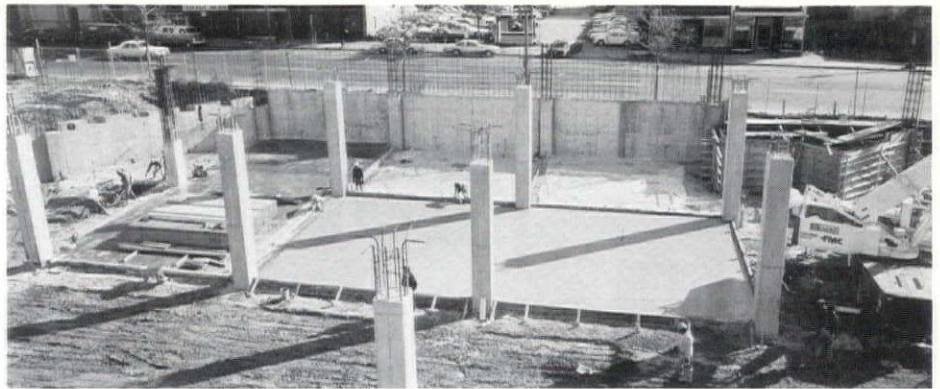
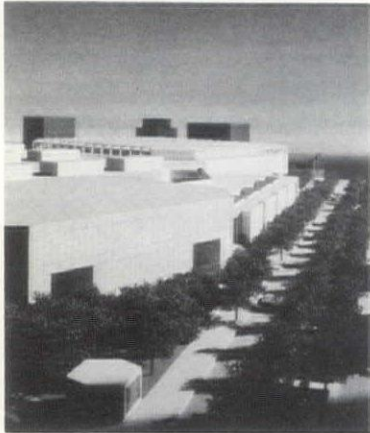


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- Structural Engineer—H. D. Nottingham
- Construction Manager—Fuller-Griffith
- Photography—Sisson Studios



Construction of the Washington Civic Center is being managed by the joint venture of George A. Fuller and B. F. Griffin of New York, NY.

**Architects/Engineers:** Joint venture partnership of Walton Becket Associates, International Architects and Engineers; Gray & West Architects; and H. D. Nottingham & Associates. Community participation in design.

The project is being designed and constructed by the "Fast Track" method. Ground was broken on April 23, 1980 and the facility is scheduled for completion in late 1982. The estimated project cost is \$98 million with actual construction estimated at \$67 million.

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- Flexible seating for 14,000
- Hall B—150,000 sq. feet on second level
- Hall D can be converted into 105,000 sq. ft. exhibition space. Can be converted to parking facility for 258 autos.
- Retail space—10,000 sq. feet on H St. to blend with community

**Design Features:**

- Flexibility for independent use of each hall or use of all spaces in concept.
- Individualized design of each hall to reduce appearance of volume.
- Contemporary facade: Hall A—orthogonal tubular trusses with no diagonal braces (vierendeels) visible from exterior. Four corner mechanical towers provide support for the roof system.
- Tinted Glass
- Low-profile, two-level building to blend with neighborhood.

**Contractors Now On-Site:** A. A. Beiro Construction Co., structural concrete; Midwest Steel Erection, Inc., structural steel erection; Ingalls Iron Works Company, steel fabrication; Pierce Associates and Carlton Company (Joint Venture), mechanical contractors; and Jaden Electric Co., electrical contractors.

**Suppliers:** Bethlehem Steel Corp., Baltimore and Y & M Steel Contractors, Inc., reinforcing; and Opportunity Concrete Corp., Washington, DC, concrete.

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## TWO PROJECTS FROM FALLS CHURCH CONSTRUCTION CORPORATION

### LAKE RIDGE EXECUTIVE PARK

#### Prince William County

- Owner—Ridge Development Corp.
- Architect—Daniels, Harrell & Associates, Ltd.
- General Contractor—Falls Church Construction Corp.

The Lake Ridge Executive Park is the first phase of a proposed 10.8-acre office development in the Lake Ridge planned community of over 30,000 people.

This office complex consists of four one-story buildings and three two-story buildings carefully clustered in a park-like setting and connected by landscaped courtyards and gardens. The placement of the buildings in the sloping site allows "walk-in" at all levels of the office complex.

This office cluster and its perimeter parking occupy approximately three and one-half acres and provide 24,000 square feet of professional office space. The characteristics of this development were planned to complement the residential scale of the Lake Ridge community which features housing, schools, commercial centers and recreation facilities in wooded settings. Colors of all exterior materials (bricks, masonry, roof shingles, window frames, and painted materials) feature brown earth-tones which provide a subtle background for the elaborate landscaping.

Each suite within the complex is self-contained with individual environmental controls and has insulated glazing. The building envelope also contains a generous amount of insulation. Interior planning is designed to accommodate individual tenants and each tenant is allowed to participate in the selection of interior finishes.

The owners of Lake Ridge Executive Park are Ridge Development Corporation with sales, leasing and management by Weaver Brothers, Inc. The architects for this complex are Daniels, Harrelle and Associates, Ltd. of Vienna. The project was built by Falls Church Construction Corporation, Oakton. The total cost of this project was \$936,754.00 which is \$39.00 per square foot.

Falls Church Construction Corporation of Oakton, the general contractor, also handled carpentry.

#### Subcontractors & Suppliers

R. C. Hawkins Construction Co., Inc., Catlett, excavating; General Paving Corp., Manassas, paving contractor; Holt Brothers, Inc., Strasburg, concrete contractor; Arlington Iron Works, Inc., Manassas, reinforcing & steel supplier; Virginia Concrete Co., Inc., Springfield, concrete supplier; Falls Church Masonry Corp., Oakton, masonry contractor; and R. D. Bean, Inc., Beltsville, MD, roofing.

Also, A. C. & R. Insulation Co., Inc., Beltsville, MD, wall insulation; Associated Glass Co., Inc., Fairfax, glass; Triangle-Pacific Corp., Beltsville, MD, windows; McClary Tile, Inc., Alexandria, ceramic tile; Southern Floors & Acoustics, Inc., Merrifield, resilient tile; Nelson Maffett, Springfield, painting contractor; Burke Plumbing & Heating, Inc., Manassas, plumbing contractor; Air Comfort Contractors, Inc., Springfield, heating/ventilating/air conditioning contractor; and D. A. Hitt Electric, Falls Church, electrical contractor.



### COLDWELL BANKER BUILDING

#### Reston

- Architect—Daniels, Harrell & Associates, Ltd.
- General Contractor—Falls Church Construction Corp.

The Coldwell Banker-Reston (Routh Robbins Realtors) Building is one of several new real estate sales facilities designed by the architectural firm of Daniels, Harrelle & Associates, Ltd. and constructed by Falls Church Construction Corporation.

The building located on Sunrise Valley Drive and Reston Avenue in Reston, is a one-story modified hip roof structure with sloped fin walls and low earth berm used as design elements. The building totals 5,435 square feet. 4,300 square feet of which is presently utilized for real estate sales. The remaining 1,135 square feet is a rental office suite which will ultimately be used for future expansion by Coldwell Banker.

Coldwell Banker's present space accommodates 40 sales personnel, including resident and sales management and all support facilities. Among those are reception, three conference rooms, telex room, lounge area and work storage rooms. The sales area has 37 individual cubicles with power and telephone accommodated through an under floor duct system which will allow for layout revision and future expansion.

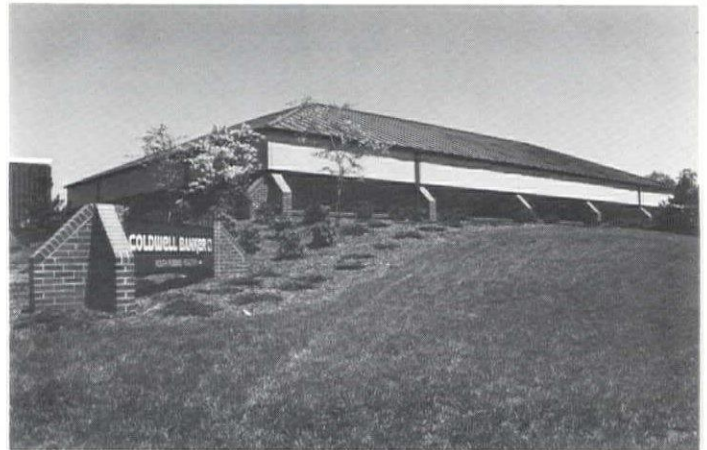
The building is located in a condominium office complex, Sunrise Valley Offices, which is a cluster of five buildings. The face brick, coated fascia and prefinished metal roofing used on the building are similar to the materials used on the adjacent office condominiums. The architect has taken these materials and incorporated them into a design which has its own identity, yet complements the overall complex of buildings. The sloped fin walls not only "break-up" the length of the building, but make a smooth transition from berm to sloped roof. The purpose of the earth berm on the street frontage of the building, the south and west elevations, is

threefold. It obviously adds insulating value to the walls and reduces the glazing area on the south and west faces. The berm also "features" the landscaping on the street and is used elsewhere on the site as a screening and landscaping element between the parking and Sunrise Valley Drive.

Falls Church Construction Corporation of Oakton was general contractor and handled excavating.

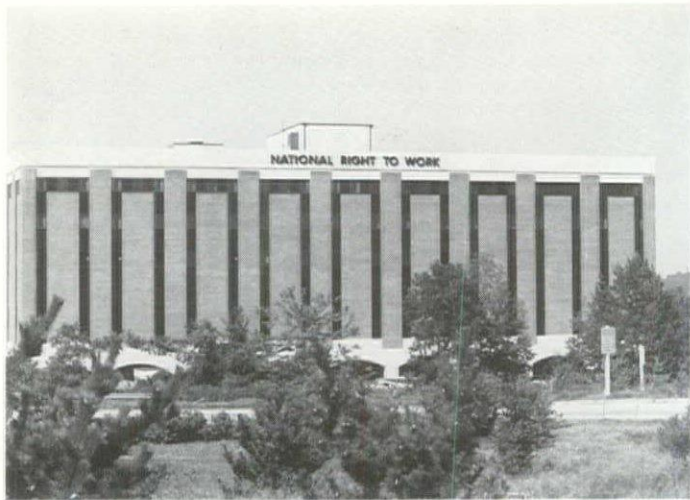
#### Subcontractors & Suppliers

Hidden Lane Landscaping, Oakton, landscaping; Virginia Concrete Co., Inc., Springfield, concrete supplier; Falls Church Masonry Corp., Oakton, masonry contractor; Arlington Iron Works, Inc., Manassas, steel supplier; Arlington Woodworking & Lumber Co., Inc., McLean, millwork; R. D. Bean, Inc., Beltsville, MD, roofing; Associated Glass Co., Inc., Fairfax, glazing contractor; Stevens Tile & Marble Co., Inc., Kensington, MD, ceramic tile; Nelson Maffett, Springfield, painting contractor; Stevens & Wren Plumbing & Heating Contractors, Inc., Fairfax, plumbing contractor; Moyer Heating & Air Conditioning, Inc., Vienna, heating contractor; and L. T. Bowden, Inc., Vienna, electrical contractor.





## TWO PROJECTS BY WAYNE CONSTRUCTION COMPANY, INC.



### RAVENSWORTH OFFICE BUILDING

#### Springfield

- Owner—Ravensworth Trust Partnership  
James L. McIlvaine, Jr. & Bernard Steinburg, General Partners
- Architect—Beery, Rio & Associates
- General Contractor—Wayne Construction Co., Inc.

This building serves as the national headquarters for the National Right to Work Committee. The other major tenant is The Fairfax Hospital Association.

The building is prominently located on Route 495 in Fairfax County, and has approximately 120,000 square feet on six floors.

Wayne Construction Co., Inc. of Arlington was general contractor.

#### Subcontractor & Suppliers

Rodgers Brothers Construction Co., Inc., Fairfax, excavating; Merrifield Garden Center, Merrifield, landscaping; Newton Asphalt Co., Inc., Alexandria, paving contractor; Hengen Construction, Springfield, foundations; Wilkes Construction, Inc., Rockville, MD, concrete contractor; Northern Virginia Steel Corp., Springfield, reinforcing; Camelot Concrete Construction Co., Inc., Woodbridge, concrete supplier; United Masonry, Inc. of Va., Alexandria, masonry contractor; Miscellaneous Metals, Inc., Mt. Airy, MD, miscellaneous metal; Arlington Woodworking & Lumber Co., Inc., McLean, millwork; Prospect Enterprises, Inc., McLean, waterproofing; and Virginia Roofing Corp., Alexandria, roofing and sheet metal.

Also, Davenport Insulation, Inc., Springfield, wall insulation; Hires-Turner Glass Co., Alexandria, glass & glazing contractor; American Steel Products Corp., Woodbridge, metal doors & frames; McClary Tile, Inc., Alexandria, ceramic tile; Acoustical Ceilings, Inc., Merrifield, acoustical treatment; Madison Decorating Co., Crofton, MD, painting contractor; U.S. Elevator, Beltsville, MD, elevators; Virginia Sprinkler Co., Inc., Springfield/Ashland, sprinkler contractor; Baco Co., Inc., Springfield, plumbing/heating/ventilating/air conditioning contractor; and Edward M. Mosher, Inc., Arlington, electrical contractor.

### GENERAL OFFICE BUILDING

#### Fairfax County Water Authority

#### Annandale

- Owner—Fairfax County Water Authority
- Architect—Beery, Rio & Associates
- General Contractor—Wayne Construction Co., Inc.

This building serves as the administrative headquarters for the Fairfax County Water Authority. There are 33,000 square feet of floor space on three floors.

The center of the building is open from the ground floor to the roof. Skylights provide natural light, with hanging plants suspended from the high ceiling.

Wayne Construction Co., Inc. of Arlington was general contractor.

#### Subcontractors & Suppliers

Bob Banks Construction Co., Inc., Springfield, excavating; Nanak's Landscaping & Yardcare Service, Washington, DC, landscaping contractor; Newton Asphalt Co., Inc., Alexandria, paving contractor; Bowie Steel, Bowie, MD, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; Southern Iron Works, Inc., Springfield, steel supplier; Hawkins Steel Works, Inc., Spotsylvania, steel erection; Hallmark Iron Works, Inc., Lorton, miscellaneous metal; Herndon Lumber & Millwork, Inc., Herndon, millwork; and Prospect Industries, Inc., McLean, waterproofing.

Also, Davenport Insulation, Inc., Springfield, wall insulation; Virginia Roofing Corp., Alexandria, sheet metal; Allen Glass Co., Inc., Alexandria, glass & glazing contractor; Stevens Tile & Marble Co., Inc., Kensington, MD, ceramic tile; Russell L. Barton Drywall & Plastering, Inc., S.E. Vienna, acoustical treatment; Fairfax Tile & Linoleum Co., Inc., Springfield, resilient tile & carpet; Tate Interiors, Div. of Tate Architectural Products, Inc., Elkridge, MD, special flooring; American Contractors, Inc., Bladensburg, MD, painting contractor; Chesapeake Elevator Corp., Fairfax, elevators; Virginia Sprinkler Co., Inc., Springfield/Ashland, sprinkler contractor; Baco Co., Inc., Springfield, plumbing/heating/ventilating/air conditioning contractor; and Coastal Electric Corp., Fairfax, electrical contractor.



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# SCOTT-LONG CONSTRUCTION, INC. presents . . .

## BOWMAN GREEN

### Reston

- Architect—Berry, Rio & Associates
- Landscape Architect—G. L. Rupert Associates
- Mechanical Engineer—Leland D. Eisenhower, Ltd.
- Civil Engineer—William H. Gordon Associates
- General Contractor—Scott-Long Construction, Inc.
- Photography—T. Danforth/W. Dann

Bowman Green, a successful complex of 25 townhouse offices, was developed to enhance and protect the existing DeLong Bowman Estate in Reston. The DeLong Bowman House was the location of the original meetings regarding the founding and development of Reston, and has, therefore, special historic significance.

Sited among the magnificent mature oaks and chestnuts of the estate, the 1,200 to 3,000 square feet, one- and two-story units are clustered around landscaped courtyards, accented by white three-rail fences compatible with those existing on the site. Total project area is approximately 52,000 square feet.

Parking areas are distributed in smaller areas where possible and, where adjacent to trees, concrete paving blocks are used to allow water and air to reach the root system.

The units are constructed of brick and block exterior bearing walls with prefabricated wood floor and roof trusses. Split system heat pumps provide the HVAC.

Scott-Long Construction, Inc. of Fairfax was general contractor for the project.

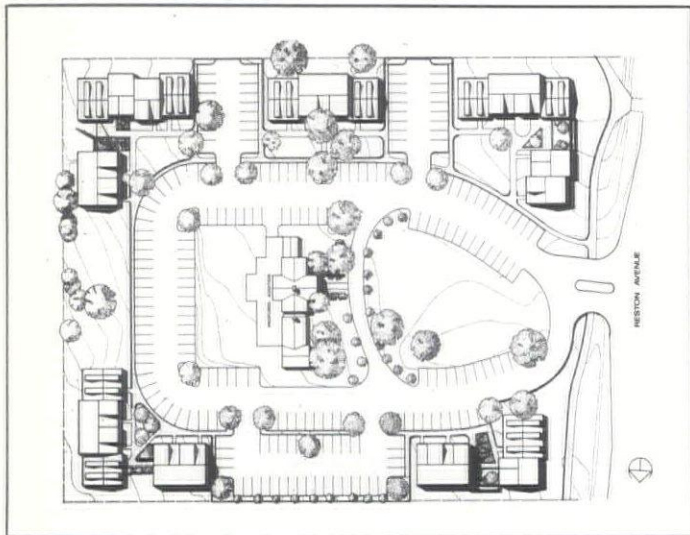
#### Subcontractors & Suppliers

Also from Fairfax were: Price Excavating Co., Inc., excavating; Lawnscape, landscaping; Camelot Concrete Construction Co., Inc., concrete contractor; Associated Glass Co., Inc., glass; and Air-Trac, Inc., mechanical contractor.

Alexandria firms were: Roof Systems Design & Construction, Inc., roofing; McClary Tile, Inc., ceramic tile; and Higham Co., Inc., painting contractor.

Others were: Superior Paving Corp., Centerville, landscaping contractor; Bowie Steel, Bowie, MD, reinforcing; Tenco Masonry, Inc., Upper Marlboro, MD, masonry contractor; Miscellaneous Metals, Inc., Mt. Airy, MD, steel supplier; Dale Lumber Co., Inc., Falls Church, millwork; and Prospect Industries, Inc., McLean, waterproofing.

Also, Davenport Insulation, Inc., Springfield, wall insulation; Tart Lumber Co., Inc., Arlington, windows; Builders Hardware Corp., Rockville, MD, hardware supplier; D. Z. Enterprises, Manassas, gypsum board contractor; Southern Floors & Acoustics, Inc., acoustical treatment & carpet; Ho-War Plumbing Corp., McLean, plumbing contractor; and Chatman Electrical Services, Inc., Springfield, electrical contractor.



## Essex Village Apartments

(From Page 31)

subcontractors. The Henrico County Building Department has been superb in assisting Omni by supplying information and timely inspections.

One severe problem on the project to date has been the coordination of relocating residents from the original 1940s Laburnum Manor units to new units. Omni programmed a planned pause between neighborhoods of one month; the actual time was more like two. The construction flow was hampered due to this lag. The extended time was needed due to the necessary completion of two neighborhoods of land development and ten buildings of units for tenant availability. The extended lag has been overcome and the project is expected to be completed approximately 10 months ahead of schedule.

#### Subcontractors & Suppliers

From Richmond were: Fan Garden Shop & Florist, landscaping contractor; Southern Brick Contractors, Inc., masonry contractor; NuScope, Inc., carpentry; Richmond Lumber Co., Inc., cabinets; Tricity Insulation, Inc., wall insulation; American Door & Glass, Inc., storefront; John DeGaetani, Inc., gypsum board contractor; Richmond Decorating, ceramic tile & carpet; Keys Painting, painting contractor; and Advance Electric Co., electrical contractor.

Others were: Seaboard Contractors, Inc., Mechanicsville, excavating, sodding, seeding, etc. and paving contractor; Century Concrete Services, Inc., Virginia Beach, concrete contractor; Fabricated Metals Industries, Inc., Roanoke, miscellaneous metal; Alonzo Ours, Jr. Contractor, roofing; Swingin' Doors, Inc., Rockville, MD, metal doors & frames & hardware supplier; Capitol Products Corp., Harrisburg, windows; and James A. Federline, Inc., Chantilly, plumbing contractor.

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# MECHANICAL CONSTRUCTORS, INC. (M.C.I.) presents. . . RAW WASTEWATER STATION #2

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Washington, DC

The District of Columbia Department of Environmental Services operates one of the largest facilities in the United States for wastewater treatment. The Blue Plains Wastewater Treatment Plant is a regional facility which serves many surrounding communities in Virginia and Maryland, in addition to the District of Columbia.

The need to protect and improve the environment has dictated an on-going program of expansion and increase in plant sophistication at the treatment facility. The raw water pumping capability at Blue Plains was recently increased by 80 percent with the installation of four vertical mixed flow sewage pumps.

The Raw Water Pump Station houses the influent channels, moving bar screens, sluice gates, controls and electrical service for the pumping units. The building houses offices, a conference room, a control room with a raised floor and two large maintenance shops. Finished in grey and cream brick and concrete masonry, the building is trimmed with hard Indiana Oolitic Limestone.

Unseen are the conduit channels directing the raw waste water from the inlet to the forebays and screens. The construction of the conduits, building, and pump room substructure entailed pouring in an excess of 7500 yards of concrete.

The new pumping units are vertical mixed flow pumps. Each unit has a capacity of 100-million gallons per day at a 24-foot lift. The

pumps are driven by a 500 HP motor through a variable speed magnetic drive, providing precise control to match capacity with influent flow. These four new pumps provide an additional 275,000 gallons per minute capability.

The building, the pumping equipment and other systems are provided with monitor and alarm instruments to alert operating personnel of equipment status and performance, malfunction, and the build-up of dangerous concentrations of hazardous gases.

Mechanical Constructors, Inc. (M.C.I.) of Fullerton Industrial Park, Fairfax County, was the general contractor who performed the concrete, mechanical and instrumentation work with their own forces. Major subcontracts for other work were completed by local area contractors.

M.C.I. is a general and mechanical construction company which has concentrated its construction expertise in the sewage, water treatment and industrial plant market. Because of the complicated mechanical and process systems work, involving instrumentation, heavy mechanical equipment and large diameter piping, M.C.I. has structured their organization assembling construction and engineering talent to effectively build industrial facilities.

Allis-Chalmers Co. furnished the pumping units which are driven by electric Machinery Mfg. Co. motors and magnetic drives.

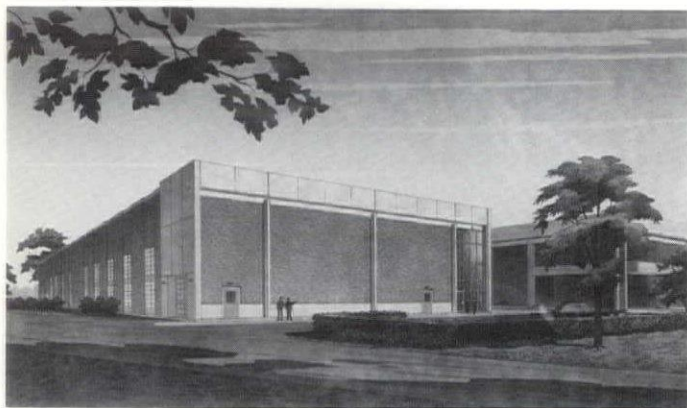
The general contractor, M.C.I. also handled excavating, piling, and foundations.

- Owner—District of Columbia  
Department of Environmental Services
- Architect/Engineer—Metcalf & Eddy
- Environmental Engineer, Havens & Emmerson, Ltd.
- General Contractor—Mechanical Constructors, Inc.
- Photography—Tesla

## Subcontractors & Suppliers

Vanessa General Builders, Washington, DC, concrete contractor, reinforcing, carpentry, structural wood, millwork, paneling, cabinets, and roof/wall/foundation insulation; District Concrete Co., Inc., Temple Hills, MD, concrete supplier; New Enterprise Cast Concrete, New Enterprise, PA, prestressed concrete; American Masonry, Kensington, MD, masonry contractor/manufacturer/supplier & mortar; Justice Steel Co., Birmingham, AL, steel supplier/erection/joists/roof deck/grating, miscellaneous metal & handrails; T & D Roofing, Alexandria, roof deck, built-up roof, roofing & sheet metal; and Tonstad Caulking Co., Inc., Alexandria, waterproofing & caulking.

Also, Metal Specialties Co. of Va., Vienna, glass, glazing contractor, metal doors & frames, wood doors, windows, window wall, storefront & hardware supplier; Coleman Floor Co., Springfield, ceramic tile, structural (glazed) tile & terrazzo; Maryland Decorating, painting contractor; PPG Industries, Inc., paint supplier/manufacturer; Durr-Oliver & Allis-Chalmers, equipment, Thos. Somerville Co., Washington, DC, plumbing fixture supplier; United Sheet Metal Inc., Capitol Heights, MD, ventilating/air conditioning contractor; GE, lighting fixtures supplier; F.P.E., electrical equipment supplier; and E. C. Ernst, Inc., Washington, DC, electrical contractor.



## PRC Corporate Headquarters (From page 31)

Architectural precast concrete panels make up the exterior skin at Floors 2, 3, 4, and 5. These have an etched finish to provide a slight aggregate exposure. Two panel shapes were used, one a straight ribbon panel weighing approximately 7.7 tons, and the second a "sunshade" or "eyebrow" panel weighing approximately 13 tons. The "eyebrow" panel was used to provide protection from direct sun rays.

Thirteen working days per building was the erection time required to set the precast panels. The architectural precast at the PRC Project was recognized for its "standard of excellence" by the Washington Building Congress in its presentation of their annual "Craftsmanship Award."

The project's roof is an IRMA roofing system with a fluid applied urethane membrane and plastic foam insulation with stone ballast. This system provides an R value of 5 and aids in the

overall desire on the part of the design team to produce an energy efficient structure.

The building entrance is serviced by a driveway with an exposed aggregate finish. The island and areas adjacent to the building at the entrance as well as the plaza, are finished in an 8" x 8" x 2" black asphalt paver installed over an asphalt wear surface.

Twenty-three subcontractors participated with OMNI in delivering this project on time

within an extremely ambitious schedule. Most noteworthy is the coordination effort that was required to insure meeting contractual demands.

## Subcontractors & Suppliers

William A. Hazel, Inc., Broad Run, excavating & paving contractor; Miller & Long Co., Inc., Bethesda, MD, concrete contractor; American Masonry Co., Inc., Kensington, MD, masonry contractor; Arban & Carosi, Inc., Woodbridge, precast architectural concrete; B & M Welding & Iron Works, Inc., Gaithersburg, MD, steel erection; Superior Iron Works, Inc., Sterling, miscel-

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laneous metal supplier; Dominion Steel Erectors, Woodbridge, miscellaneous metal erection; Residential Carpentry Corp., Bethesda, MD, carpentry; Washington Woodworking Co., Inc., Landover, MD, millwork; Prospect Enterprises, Inc., McLean, waterproofing; and Wilcox Caulking Corp., Lorton, caulking.

Also Peter Gordon Co., Capitol Heights, MD, IRMA built-up roof & roof insulation; National Applicators, Inc., Capitol Heights, MD, wall insulation & gypsum board contractor; Texas Tempered Glass Co., Houston, TX, glass; National Glass, Inc., Silver Spring, MD, glazing contractor; American Steel Products, Alexandria, metal doors & frames; Swingin' Door, Inc., Rockville, MD, wood doors & hardware supplier; Metal Trims Industries, Jackson, MS, window, window wall manufacturer; T S I Industries, Inc., Landover, MD, window & window wall erector; Antonio Troiano Tile & Marble Co., Inc., Beltsville, MD, ceramic tile; Schindler-Haughton Elevator Corp., Alexandria, elevators; Anderson & Cramer, Chantilly, sprinkler/plumbing/heating/ventilating/air conditioning contractor; Mona Electric, Inc., Clinton, MD, electrical contractor; and Fiberglass Engineering Co., Manassas, fiberglass planters.

## Sperry-Univac

*(From page 31)*

A four pipe, fan coil HVAC system was installed with energy efficient chillers to help reduce heating and cooling energy cost during peak operation periods. The entire mechanical system is controlled by a totally integrated energy management and control system (EMCS). The EMCS equipment and temperature controls systems include operator's terminals, central processing unit, remote data gathering panels, energy management application software and access control panels and cards.

The electrical branch wiring for all light fixtures, power poles and wiring devices, and switches, located in the demountable partitions is composed of a prefabricated, totally relocatable, flexible wiring system. The installation of the flexible wiring system along with the use of a demountable partitions system, which maintains 90% of all material after relocation, provides Sperry-Univac with a uniquely flexible

office system. This installation will drastically reduce the cost of tenant changes, which Sperry-Univac faces on a semi-annual basis.

A separate contractor performed the site clearing, rough grading, storm sewer erosion control and foundation work. This "fast-track" method of contracting was done in order to save three to six months in the early stages of the construction schedule. The project is currently scheduled to be completed one month ahead of schedule.

### Subcontractors & Suppliers

F. E. Gregory & Sons, Inc., Gaithersburg, MD, excavating; J & L Landscaping, Inc., Derwood, MD, sodding, seeding, etc., landscaping & landscaping contractor; Tri-County Paving, Fairfax, paving contractor; Eugene Simpson & Bro., Inc., Alexandria, foundations; Miller & Long Co., Inc., Bethesda, MD, concrete contractor; Falcon Materials, Inc., Sterling, concrete supplier; Genco, Inc., Bethesda, MD, masonry contractor; Expo-saic Industries, Inc., Frederickburg, precast concrete supplier/contractor; W & W Fabrication, Inc., La Plata, MD, miscellaneous metal & handrails; Residential Carpentry Corp., West Bethesda, MD, carpentry; Washington Woodworking Co., Inc., Landover, MD, millwork, paneling, cabinets & wood doors; Prospect Enterprises, Inc., McLean, waterproofing; and Tonstad Caulking Co., Inc., Alexandria, caulking.

Also, Commercial Roofing & Sheet Metal Co., Inc., Cheverly, MD, built-up roof; Associated Glass Co., Inc., Fairfax, glass, glazing contractor, windows, window wall & storefront; American Steel Products, Farmingdale, NY, metal doors & frames; Contract Hardware, Rockville, MD, hardware supplier; Robert B. Heap, Inc., Oxon Hill, MD, gypsum board contractor & acoustical treatment; Antonio Troiano Tile & Marble Co., Inc., Beltsville, MD, ceramic tile; Standard Industries, Inc., Washington, DC, resilient tile; Commercial Flooring Systems, Montgomeryville, PA, carpet; Westinghouse Electric Corp., Hillside, NJ, computer flooring; Ronald D. Mayhew, Inc., Catharpin, painting contractor, special wall finish & wall covering; Virginia Food Equipment Corp., Richmond, equipment; Dover Elevator Co., Rockville, MD, elevators; Virginia Sprinkler Co., Inc., Springfield/Ashland, sprinkler contractor; Anderson & Cramer, Inc., Chantilly, plumbing/heating/ventilating/air conditioning contractor; and Mona Electric, Inc., Clinton, MD, electrical contractor.

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# BELTWAY CONSTRUCTION COMPANY, INC. presents

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- Owner—Mr. Milton Genderson (dec.)
- Architect—Robert S. Dame
- Consulting Architect—Joseph Meszaros
- Landscape Architecture—M. Genderson & J. Meszaros
- Interior Design—J. Meszaros & R. S. Dame
- Mechanical Engineer—Charles Asmar
- Electrical Engineer—Bob Beale
- Structural Engineer—Alvin Schwab
- General Contractor—Beltway Construction Co., Inc.

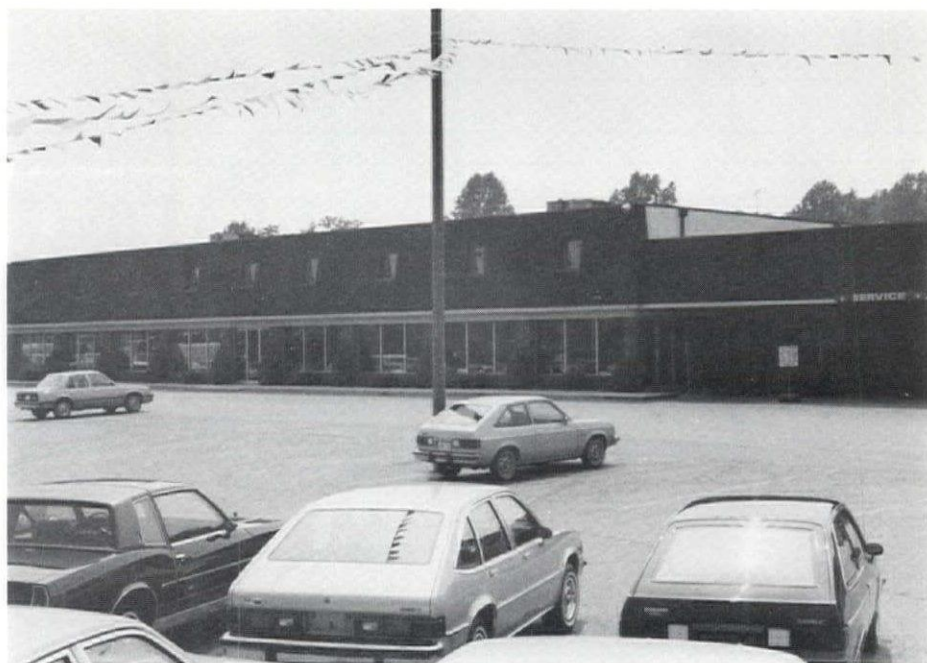
Genderson Chevrolet, located on Rt. 50 near Annapolis, Maryland, was a design/build project developed by Joseph I. Meszaros of Beltway Construction Company, Alexandria, and Robert S. Dame, Architect, of Wheaton, Maryland. The building features an unusual design for an auto agency because of the two-story interior colonial fascade for the business offices that overlook the show room. The front exterior, with its mansard roof and inset second floor windows in combination with brick columns and glass, gives the building a warm, rich appearance.

The owner Mr. Milton Genderson started business many years ago in a smaller facility in Annapolis. Three or four months before his new building was complete he became seriously ill with a brain tumor and died a week or two after the dealership was completed.

Beltway Construction Company, Inc. of Alexandria was general contractor and handled foundations, carpentry, and gypsum board installation.

#### Subcontractors & Suppliers

Gardner Concrete, Annapolis, MD, concrete supplier; Woodbridge Glass Co., Inc., Woodbridge, glazing contractor & storefront; Asmar Co., Inc., Vienna, heating/ventilating/air conditioning contractor; and Walter C. Davis & Son, Inc., Alexandria, electrical contractor.



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Tung C. Cheng, Principal in Charge  
Donald L. Bosserman, Project Architect  
Godfrey J. Horacek, Structural Engineer  
John A. McFee, Mechanical Engineer
- Landscape Architect—Gordon Walker
- Consulting Engineers  
Hankins & Anderson, Inc., Electrical & Utility  
Long, Brown & Associates, Site
- Builder—Kora and Williams Corporation

Construction on Residence Halls II for George Mason University was begun in April 1980 with an anticipated completion date of December 1981. The project consists of two five-story masonry bearing wall dormitory buildings encompassing 20,512 square feet, with a net floor area of 64,607 square feet.

Each building has a first floor of common use spaces and four upper floors of dormitory units and study rooms. Common spaces included lobbies, lounges, meeting rooms, laundries, snack bars, information desks, administrative offices, storage rooms, toilets, resident manager's apartment, and service spaces.

Typical dormitory units include 240 double and 18 single occupancy rooms with bathrooms shared between two units. Specially designed units for handicapped persons are also included.

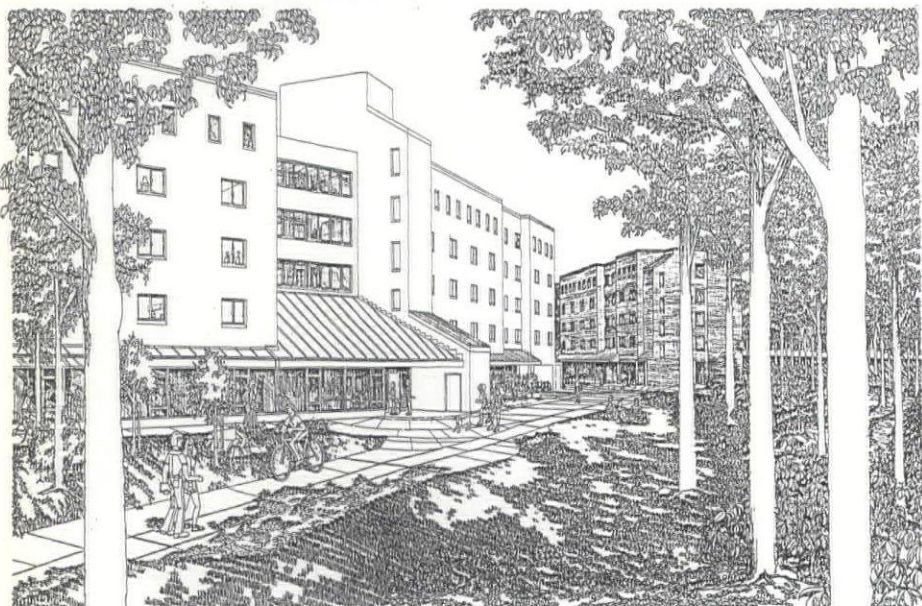
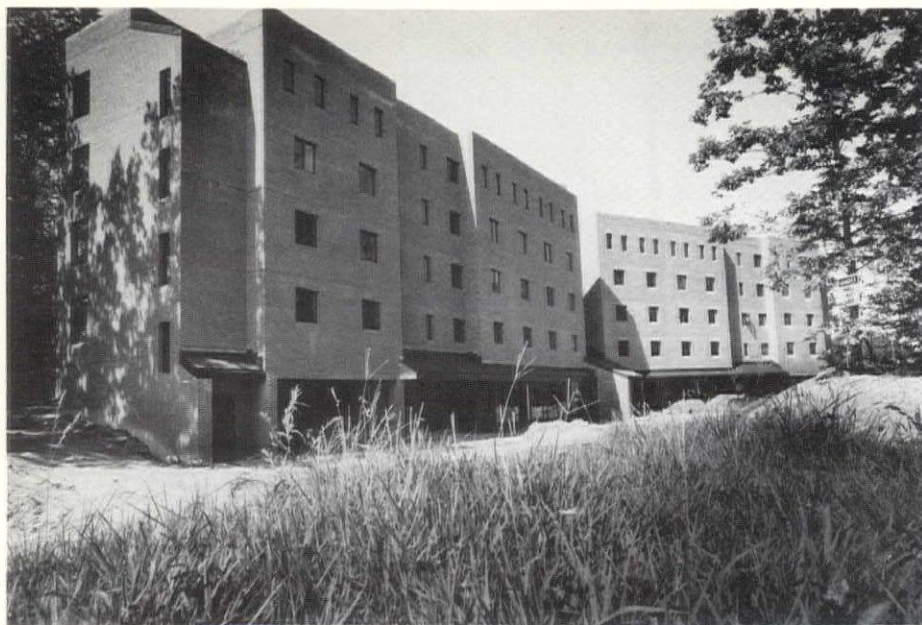
Kora & Williams Corporation of Rockville acted as general contractor and handled concrete work, carpentry, gypsum board and acoustical treatment.

### Subcontractors & Suppliers

Pleasants Excavating Co., Inc., Clarksburg, MD, excavating; Beltway Landscapers, Alexandria, landscaping contractor; Trowbridge Steel Co., Inc., Sterling, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; Concrete Structures, Inc., Richmond, prestressed concrete; American Masonry Co., Inc., Kensington, MD, masonry contractor; Arban Precast Stone, Triangle, stonework supplier; Adams Fabricated Steel Corp., Washington, DC, steel supplier; L. R. Willson & Sons, Inc., Annapolis, MD, steel erection; Acme Iron Works, Inc., Hyattsville, MD, miscellaneous metal; Cavetown Planing Mill, Cavetown, MD, millwork; Peerless Woodworking Corp., Glastonbury, CT, cabinets; Prospect Enterprises, Inc., McLean, waterproofing; and Wilcox Caulking Corp., Lorton, caulking.

Also, Virginia Roofing Corp., Alexandria, roofing; Chesapeake Enterprises, Inc., Crofton, MD, insulation; Herdon Glass, Herndon, glazing contractor; Hope's Windows, Inc., Wheaton, MD, windows; Webb Builders Hardware, Inc., Fairfax, hardware supplier; A & S Tile Sales Co., Frederick, MD, ceramic tile; Marty's Floor Covering Co., Inc., Alexandria, resilient tile; Sany-Metal Products, Rockville, MD, specialties; Douglas Distributing Corp., Washington, DC, equipment; Atlantic States Elevator Co., Inc., Marlow Heights, MD, elevators; ASAS Co., Inc., Laurel, MD, sprinkler contractor; Harrison Bros. Plumbing, Rockville, MD, plumbing contractor; Calvert-Jones Co., Inc., Alexandria, heating contractor; and Dynalectric Co., Vienna, electrical contractor.





### Marriott Hotel (From page 31)

pletion date and a massive coordination effort, the owner was able to prepare the hotel for operation as the general contractor completed the work.

#### Subcontractors & Suppliers

Price Excavating Co., Inc., Fairfax, excavating; Raymond Piles, Linthicum Heights, MD, piling; Tri-County Paving, Fairfax, paving contractor; Miller & Long Co., Inc., Bethesda, MD, foundations, concrete contractor & reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; Genco, Inc., Bethesda, MD, masonry contractor; Arban & Carosi, Inc., Woodbridge, stone-work supplier/contractor; Southern Iron Works, Inc., Springfield, steel supplier/joists/roof deck & other roof deck; Superior Iron Works, Inc., Sterling, steel grating, miscellaneous metal & handrails; Residential Carpentry Corp., West Bethesda, MD, carpentry; Sefina Industries, Montreal, Canada, millwork, paneling & cabinets; Peter Gordon Co., Capitol Heights, MD, waterproofing, built-up roof & other roofing; and Arban & Carosi, Inc., Woodbridge, caulking.

Also, Johns-Manville Sales Corp., Denver, CO, wall insulation; John J. Kirlin, Inc., Rockville, MD, sheet metal and plumbing/heating/ventilating/air conditioning contractor; Washington Plate Glass Co., Inc., Washington, DC, glass & glazing contractor; Acme Fire Door, New York, NY, metal doors & frames; Algoma, Wisconsin, wood doors; Miami Window Wall, Miami, FL, windows, window wall & storefront; Contract Hardware, Rockville, MD, hardware supplier; P & P Contractors, Inc., Rockville, MD, gypsum board contractor; Boatman & Magnani, Inc., Capitol Heights, MD, ceramic tile; Southeastern Floor Co., Inc., Beltsville, MD, resilient tile; Gemini Painting & Wallcovering, Inc., Upper Marlboro, MD, painting contractor; Accessories Unl., Atlanta, GA, specialties; Paddock Pool Construction Co., Inc., Arlington, swimming pools; Schindler-Haughton Elevator Corp., Alexandria, elevators; Virginia Sprinkler Co., Inc., Springfield/Ashland, sprinkler contractor; and Dynalectric Co., McLean, electrical equipment supplier & electrical contractor.

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## USLICO Building (From page 31)

The curtainwall system consists of a Marmet Corporation window frame, anodized to a #40 Duranodic Bronze finish. The window glass units are insulated PPG units which are combined with the PPG insulated Spandrelite #6612 panels.

The roof is an IRMA system applied to a Perlite roof deck. The IRMA system consists of a Carlisle Sure Seal E.P.D.M. membrane combined with a Confil filter fabric, a 1" thick Dow styrofoam RM board, and the system is stabilized by means of a stone ballast.

The landscaping design incorporates an earth berm located at the property line which shields the parking area from the traffic intersection. The berm is covered with Cotoneaster Dameri

bedded in a bark mulch, hollies, and crepe myrtles. The site landscaping also includes the planting of upright junipers, dogwoods and dawn redwoods which were selectively located to complement the structures' vertical lines and to provide a visual break from the surrounding buildings.

A brick stairway situated between marble planters is the focal point of the entrance. The Boren, Cobblestone brick pavers are continued into the main entrance lobby and around the promenade walkway at the first floor level. The pavers are set in a Laticrete bed which has been placed over a 3-M waterproofing membrane.

The first floor lobby walls have "Executive

Wood" book-matched butternut veneer wall covering applied over a drywall surface.

The installation was made difficult due to the corner radii and the returns at the head and side of the doorways. The installer took great pains to insure that the panels were properly sequenced, aligned, and that the overall continuity of the panels was maintained. The veneer was completed by applying a clear satin finish.

An electrical bus duct is mounted overhead to provide power to approximately 30 pieces of print room equipment which is located in the lower level of the structure. The print area utilizes an exterior Gilco platform service lift to facilitate the flow of printing shipments and deliveries. The rear loading dock design centers around three (3) removable precast deck panels which comprise the loading dock surface. The panels may be removed in order to provide access to the printing area for machinery replacement.

### Subcontractors & Suppliers

Price Excavating Co., Inc., Fairfax, excavating; Chapel Valley Landscape Co., Woodbine, MD, sodding, seeding, etc., landscaping & landscaping contractor; Fort Myer Construction Corp., Arlington, paving contractor; Good Concrete Construction Co., Inc., Fairfax, concrete contractor & reinforcing; Falcon Materials, Inc., Sterling, concrete supplier; Arban & Carosi, Inc., Woodbridge, prestressed concrete; Bonded Masonry, Inc., Clinton, MD, masonry contractor; Boren Clay Products Co., Pleasant Garden, NC, masonry manufacturer; United Materials, Springfield, masonry supplier & mortar; Standard Art. Marble & Tile Co., Inc., Landover, MD, stonework contractor; Georgia Marble Co., Nelson, GA, stonework supplier; B & M Welding & Iron Works, Inc., Gaithersburg, MD, steel supplier/roof deck; Burkholder & Krieg, Inc., Merrifield, steel erection; O'Brien Associates, Inc., Mitchellville, MD, other roof deck; W & W Fabrication, Inc., La Plata, MD, miscellaneous metal; Moultrie Mfg. Co., Moultrie, GA, handrails; Master Carpentry Corp., Silver Spring, MD, carpentry; Quality Woodwork, Inc., Washington, DC, millwork; The Kitchen Guild, Washington, DC, cabinets; Prospect Enterprises, Inc., McLean, waterproofing & foundation insulation; and Wilcox Caulking Corp., Lorton, caulking.

Also, Orndorff & Spaid, Inc., Beltsville, MD, built-up roof, roof insulation & sheet metal; P & P Contractors, Inc., Rockville, MD, wall insulation, plaster contractor, gypsum board contractor & acoustical treatment; The Southern Plate Glass Co., Linthicum Heights, MD, glass, glazing contractor, windows, window wall & storefront; Swingin' Door, Inc., Rockville, MD, metal doors & frames and wood doors; Builders Hardware Corp., Rockville, MD, hardware supplier; Standard Art, Marble & Tile Co., Inc., Landover, MD, ceramic tile; Southern Maryland Floor Co., Waldorf, MD, resilient tile & carpet; Liskey, Inc., Baltimore, MD, special flooring; Gemini Painting & Wallcovering, Inc., Upper Marlboro, MD, painting contractor, special wall finish & wall covering; PPG Industries, Inc., Forresville, MD, paint supplier/manufacturer; Barnes Co., Capitol Heights, MD, specialties; Dover Elevator Co., Rockville, MD, elevators; The Fireguard Corp., Capitol Heights, MD, sprinkler contractor; Harrison Brothers, Inc., Washington, DC, plumbing fixture supplier; A. S. Johnson Co., Inc., Washington, DC, plumbing/heating/ventilating/air conditioning contractor; Capital Lighting & Supply, Inc., Alexandria, lighting fixtures/electrical equipment supplier; and C. H. Attick Electric Inc., Pomfret, MD, electrical contractor.

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- Consulting Architect—Vincent P. Rogers
- Landscape Architect—EDAW, Inc.
- Interior Design—Raygal Design Associates
- Mechanical/Electrical Engineer—Weller & Scott
- Structural Engineer—Greene & Seaquist
- General Contractor—Sherman Construction Corp.
- Photography—Image Factory

The Casa Maria Restaurant is located in Alexandria, was designed by Giuliani Associates to give the suggestion of a Mexican setting in a somewhat modern vernacular with high visual impact. The basic concept of a lower level atrium with skylights, overlooked by upper level dining areas was designed to provide the impact of a bright interior space, reminiscent of a courtyard.

It is the first of two restaurants in the Northern Virginia area for Host International, Inc., seating 300 in the dining room areas and 50 in the cocktail lounge.

Sherman Construction Corporation of Vienna was general contractor and handled foundations and carpentry.

### Subcontractors & Suppliers

John Driggs Co., Inc., Capitol Heights, MD, excavating; H. E. Crone, Fairfax, sodding, seeding, etc.; Northern Virginia Nursery, Nokesville, landscaping; Newton Asphalt Co., Inc., Alexandria, paving contractor; Trowbridge Steel Co., Inc., Sterling, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; Donald M. Blue Construction Co., Inc., Fairfax, masonry contractor; Cherrydale Cement Block Co., Inc., Herndon, masonry manufacturer; Marquette Cement Manufacturing Co., Silver Spring, MD, mortar; Adams Fabricated Steel Corp., Washington, DC, steel supplier/erection/joists/roof deck; Hamilton Iron Works, Springfield, miscellaneous metal & handrails; Tart Lumber Co., Inc., Sterling, millwork; and Wilmar Contractors, Inc., Gainesville, caulking & painting contractor.

Also, R. D. Bean, Inc., Beltsville, MD, built-up roof, roof insulation & sheet metal; Jack's Roofing Co., Inc., Bethesda, MD, tile roofing; Davenport Insulation, Inc., Springfield, wall insulation; Vienna Glass Co., Vienna, glazing contractor; AAA Thermal Windows & Doors, Fairfax, metal doors & frames; Contract Fabricators, Inc., North Hollywood, CA, wood doors & orna-

mental ironwork & woodwork; Builders Hardware Corp., Rockville, MD, hardware supplier; Jas. S. Lertora, Inc., Silver Spring, MD, plaster contractor; Dodd Brothers, Inc., Falls Church, gypsum board contractor; and Heuler Tile Co., Wauwatosa, WI, ceramic tile.

And, Acoustical Ceilings, Inc., Merrifield, acoustical treatment; Fairfax Tile & Carpet Co., Inc., Alexandria, resilient tile; PPG Industries, Inc., paint manufacturer; Schumacher, wall covering; United Sprinkler Co., Inc., Alexandria, sprinkler contractor; The Noland Co., Falls Church, plumbing fixture supplier; F. W. Harris, Inc., Annandale, plumbing contractor; A-Citywide Cooling & Heating Co., Inc., Annandale, heating/ventilating/air conditioning contractor; Interstate Electric Supply Co., Inc., Merrifield, lighting fixtures supplier; Capital Lighting & Supply, Inc., Alexandria, electrical equipment supplier; MNJ Construction Co., Inc., Alexandria, electrical contractor; Matson Products, Los Angeles, CA, simulated brick; Design Insights Assoc., Los Angeles, CA, coffered ceilings; and Diamond Fence Co., Los Angeles, CA, bamboo and eucalyptus ceilings.



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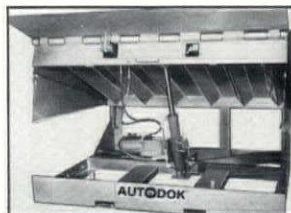
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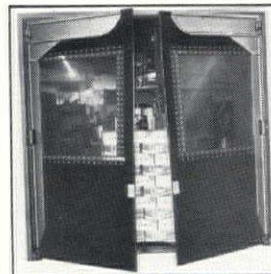
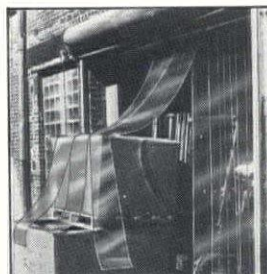
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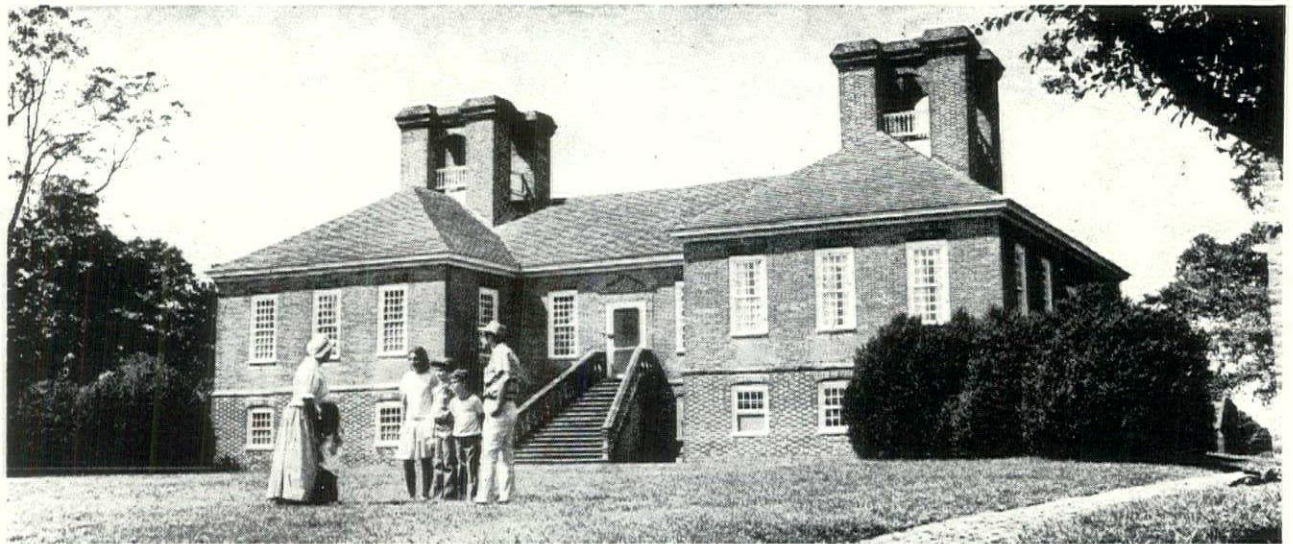
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## STRATFORD HALL PLANTATION

Westmoreland County, Virginia



### Historic Home of the Lee Family

Built 1725-1730 by Thomas Lee. Born here were the only two brothers to sign the Declaration of Independence, Richard Henry Lee and Francis Lightfoot Lee, as well as General Robert E. Lee.

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1500 acre plantation open every day except Christmas. Plantation Lunch served April through October — 11:30 a.m. - 3:00 p.m.

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