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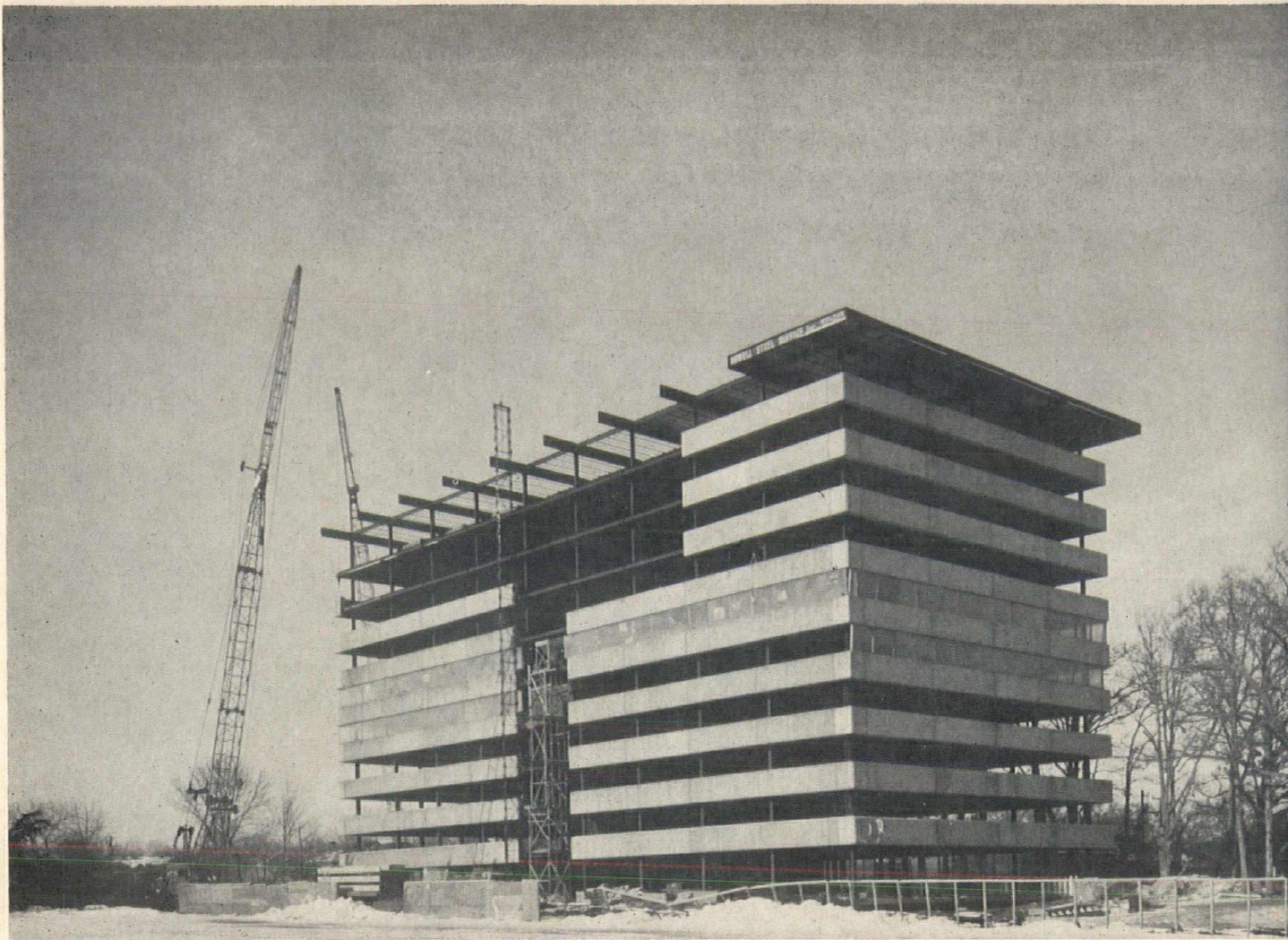
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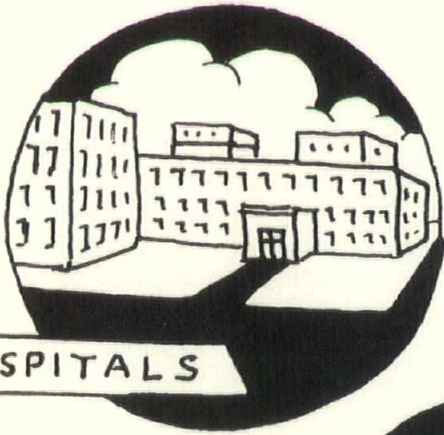
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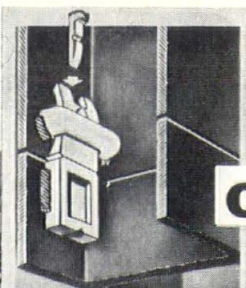
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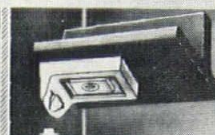
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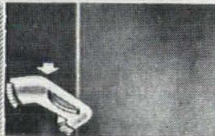
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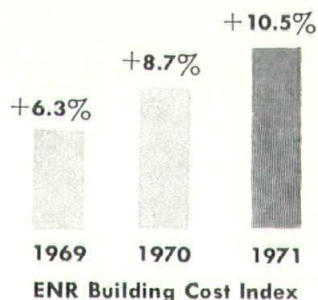
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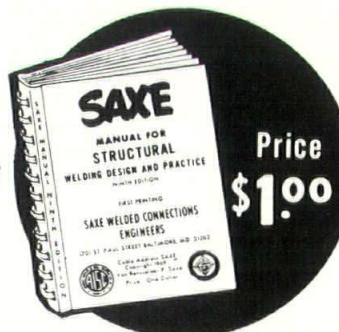
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tative articles and features on statewide and local industries, business, governmental and civic organizations they are in no other respect responsible for the contents hereof.

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ON OUR COVER is the 200 North Glebe Road Building in Arlington. Design was by Sheridan, Behm, Eustice & Associates, AIA. For details on this project see page 45 of this issue. (Photography by Anthony Hathaway)

ol. 93—No.5 1 Year \$3—2 Years \$5—Per Copy 50¢ MAY 1971

The Deadly Date-game

AFTER YEARS OF association with Virginia and Confederate history, I receive inquiries on historical questions from strangers ranging in age from thirteen-year-old high school students to eighty-year-old readers. Many of the questions from out of state show a concern of the letter-writers over establishing the lines of kinship of their present family with Virginia forebears. Usually these questioners also show a rather touching naivete about genealogical work.

"My great-grandfather Flutterkins, whose wife's name I think was Harrison (or Carter or Randolph), lived in Dinwiddie County and fought in Lee's Army. Can you tell me what his regiment was and its history? Also which Harrison (or Carter or Randolph) he married? I have heard that there is a Hill in our name. Could you tell me if this is the same family of General A. P. Hill in Lee's Army? Your new book [mentioning one twenty years old] told about General A. P. Hill living in Dinwiddie County toward the end of the war."

This naivete is touching because it reveals such a total mental vacuum about historical background, about the long and tedious work involved in digging out reasonably factual material, and this ignorance is not entirely the fault of the letter-writer. As I learn from less naive correspondents, history is often so badly taught and made so uninteresting that the subject becomes a blank in the individual's experience; and then when he develops on his own some point of inquiry, he has no conception of the field as a whole nor of the nature of the work of writers in history. In point of fact, there is no more reason to expect a writer of history to be an expert in genealogy than to expect a criminal lawyer to have at his fingertips expert knowledge of corporate taxes—to be distributed free for the asking.

Letters from high school students, from all sections, are more likely to be concerned with legitimate questions of history, and some of these letter-writers, revealing above-average intelligence and thought, are seeking to explore aspects of the subject which have been either sketchily taught or taught with what the student has come to feel is distortion. Letters complaining of distorted teaching come particularly from students in the North. They wrote that they had read a couple of books from the Southern viewpoint (say, one of mine) and suddenly had their eyes opened to the reality that there were two sides in the long conflict between the sections. They had been taught that the Northern part of the United States, which represented the Union, led a crusade of moral right against a region representing the forces of evil, and this benighted South, instead of being grateful for having been shown the light, became bitterly resentful.

George F. Kennan, the brilliant foreign-service careerist, commented on this egocentricity of the United States. "There is, let me assure you, nothing more egocentric than an embattled democracy. It soon becomes the victim of its own war propaganda. It then tends to attach to its own cause an absolute virtue which distorts its own vision on everything else. Its enemy becomes the embodiment of all evil. Its own side, on the other hand, is the center of all virtue."

When this truth was borne out to these Northern (Continued on page 88)

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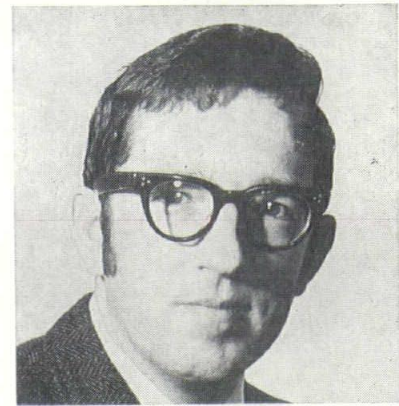
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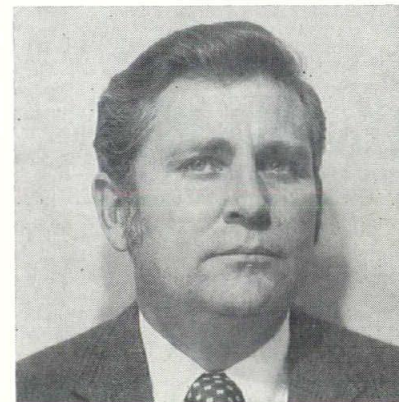
Virginia Beach, Virginia

AIA NEWS



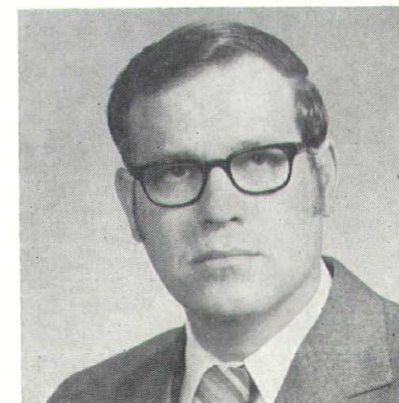
WAYNE VARNER MODISETT

Born April 23, 1940 in Luray, Modisett received his Bachelor of Architecture from the Virginia Polytechnic Institute in 1963. He is currently with the firm of D'Earcy P. Davis, Jr. and Associates in Harrisonburg.



ROBERT ALGER SUMMERS

Born January 2, 1929 in Norfolk, Summers is currently employed with the Department of Navy, Atlantic Division NAVFACENGCOM in Norfolk.



WILLIAM ALBERT THOMPSON JR.

Born March 1, 1941 in Williamsburg, Thompson received his Bachelor of Architecture from Virginia Polytechnic Institute.

stitute in 1966. He is currently with
the firm of Shriver and Holland in Nor-
folk.

New Associate Members



WALTER NORMAN HALL

Born March 23, 1923 in Deltaville,
all attended Old Dominion College
and Virginia Polytechnic Institute. He
currently with the State of Virginia
the Department of Mental Hygiene
Hospitals.



EDGAR A. MARSHALL

Born September 24, 1936 in Cin-
cinnati, Ohio, Marshall received his
achelor of Architecture and B.S.
Arch. Const.) from Texas A&M Uni-
versity in 1962. He is currently with
the United States Army Corps of En-
gineers.



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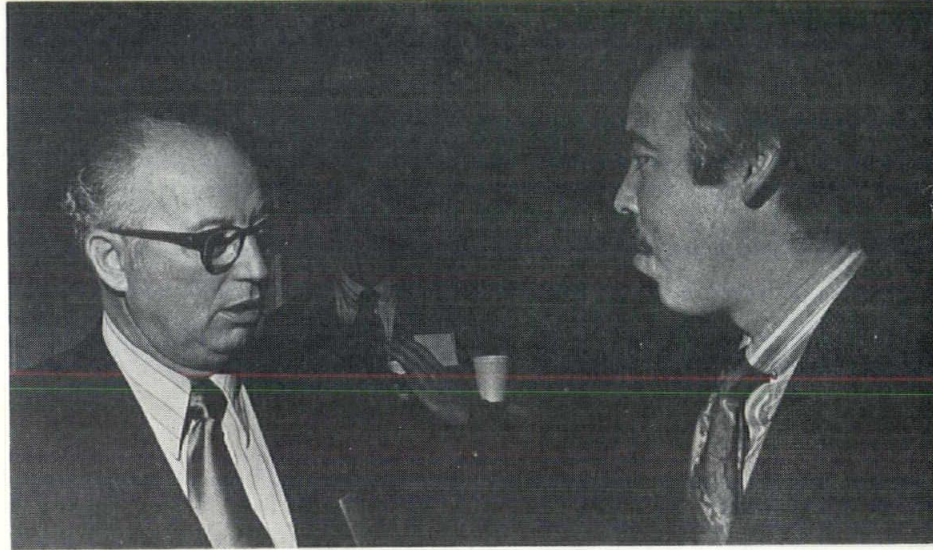
■ Shown at left, Ken Motley, former Virginia Chapter AIA President, talking with the new Virginia Chapter AIA Executive Director, Bud Lindsay, during the Chapter meeting at the Boar's Head Inn, Charlottesville.

And below, also at the Chapter meeting, Richmond architects Bob Clark and Pete Anderson find time for a brief chat.

VIRGINIA CHAPTER, AIA WINTER MEETING

—
February 1971
—

Boar's Head Inn
Charlottesville



NATIONAL CONVENTION REMINDER JUNE 20-24-DETROIT

■ Let's get our members to Detroit, June 20-24, for the 103rd national Convention!

The exciting, innovative program offers something for all of them, and we want as many as possible to attend and participate, to make this a truly national meeting.

This year for the first time, AIA and Producers' Council have joined to present The Building Team Conference, a two-day session on Monday and Tuesday, June 21-22, aimed at the entire construction industry. The speakers, panelists, and participants will represent all segments of the industry. You will note in the enclosed conference program that the prospects for an exciting experience are outstanding.

Business sessions are scheduled for

PAGE TEN

both Monday and Tuesday. As in the past, the sessions are open to all members. For those who do not wish to attend these sessions, The Building Team Conference is open to all registrants at the Convention.

"The Hard Choices" will be presented to the Convention on Wednesday and Thursday, June 23-24. John Gardner, Robert K. Andras and Paul Ylvisaker will be the main theme speakers. Russell E. Train, Carl Madden, Dr. Peter Drucker, Kenneth B. Clark, Vivian W. Henderson, the Honorable Thomas L. Ashley, the Honorable Kenneth A. Gibson and Edward J. Logue will serve as members of the three panels: "Should there be new patterns of human settlement?" "How do we best use our resources to meet basic human needs now?" "What do

we have to give up to create a liveable environment?" Provocative! Interesting! Relevant!

The social calendar is filled: McGraw-Hill Party at the Detroit Public Library on Sunday evening; the President's Reception at the Detroit Institute of Art on Monday; the Detroit Host Chapter's bash on Bob-L Island on Tuesday; and the Gold Medalist's Ball honoring Louis Kahn FAIA, on Thursday. Wednesday evening is yours for an "On the Town" excursion.

Also on Wednesday evening, many national committees, the students, and the Michigan Black Architects Group are scheduling important sessions and activities.

The Host Chapter has worked for
(Continued on page 61)

VIRGINIA RECORD

Founded 187

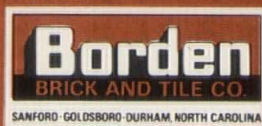


V A P

Virginia Architect James M. McIntosh, representing the Virginia Association of Professions, appears on an interview show, "Contact," on Channel 8 Richmond, with N. C. State football coach Earle Edwards, Candy Hecht from the Richmond Public Forum, and interviewers John Mackin and Jan Osbourne, all left to right.

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RESIDENCE - DR. AND MRS. THOMAS M. STILES NEWPORT NEWS

CARLTON STURGES ABBOTT, AIA
Architect

STANLEY W. ABBOTT, F.A.S.L.A.
Landscape Architect

W. A. THOMPSON—General Contractor

THE PRIVATE residence of Dr. and Mrs. Thomas M. Stiles is located in Newport News, on a wooded site looking south across open marshland to the Warwick River. The vista over the wetlands is spectacular and is accommodated in the architecture by the use of large areas of glass relating internal living spaces. The glass and sliding doors are recessed between short sections of wall in order to provide protection against the afternoon sun.

The living and dining rooms are both two-story spaces overlooked by a master study and sleeping areas. A separate airway between the kitchen and den leads to two bedrooms for two teenage children. The house was constructed by standard framing methods. The exterior

walls and interior paneling are of redwood boards stained to weather to silver gray. The house rests simply on a rectangular bed of stone surrounded by the natural woods and marsh.

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W. A. Thompson, Williamsburg, general contractor, concrete, roof deck, carpentry, paneling, waterproofing & weatherstripping; C. H. Lawson, Inc., Williamsburg, excavating; EmBriCo, Grafton, foundations & masonry; Charles M. Peterson, Williamsburg, steel; Otis M. Webster, Yorktown, roofing; W. H. Stovall & Co., Inc., Richmond, sliding doors & steel doors; Ramsey Lumber Co., Inc., Suffolk,

structural wood; Binswanger Glass Co., Newport News, glazing; Robert L. Boyce, Williamsburg, painting; Krause-Mayo, Inc., Newport News, insulation; The Tile Shop, Inc., Hampton, ceramic tile & resilient tile; Weaver Brothers, Inc., Newport News, millwork; Greendale Ornamental Iron Co., Richmond, handrails; Mallory Electric Co., Inc., Newport News, lighting fixtures & electrical; Custom Climate Corp., Hampton, plumbing fixtures, plumbing, air conditioning & heating; R. T. Norris Building Supplies, Newport News, bathroom vanities, dressing tables, kitchen cabinets, kitchen appliances, wet bar; Pleasants Hardware, Richmond, hardware; Tom Jones Hardware Co., Inc., Richmond, hardware.

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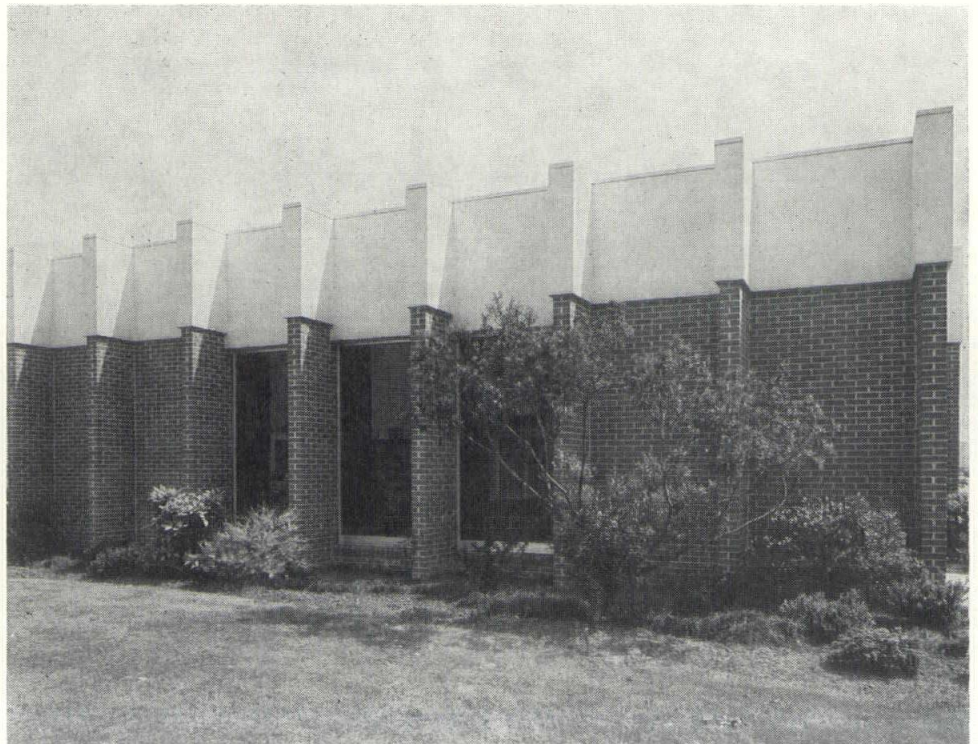
AGENTS' offices and conference spaces are grouped about a central secretarial pool in this limited-budget office building.

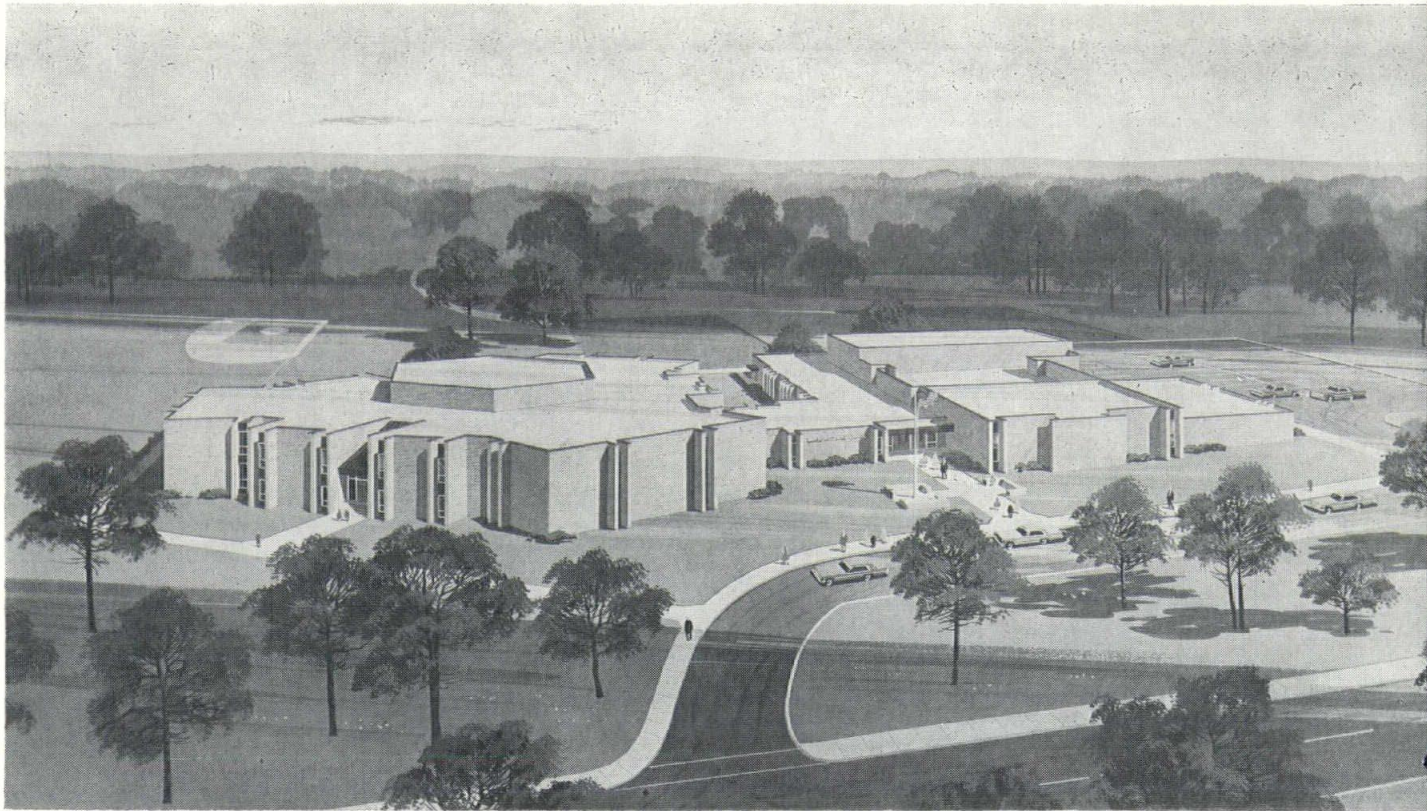
Accounting and bookkeeping machines are further isolated from the offices by acoustical partitions along one side of the secretarial pool.

The sun problem was solved on the northwest elevation by deeply recessing windows into the offices. Space on each side of the window is used for built-in storage units.

A textured brick was used to add interest to the sun washed walls. The rhythm of the openings is accented by a drop in the plaxicrete fascia.

The 4,000 square foot building is completed. Furnishings were selected by the architects.





London Towne Elementary School

FAIRFAX COUNTY

BEERY & RIO, AIA
Architects & Interior Design

KLUCKHUHN & McDAVID, INC.
Mechanical Engineers

FORTUNE, DOWNEY & ELLIOTT
Structural Engineers

PATTON, HARRIS & FOARD
Site Engineers

JENKINS CONSTRUCTION CO., INC.—General Contractors

THE ARRANGEMENT of facilities in the London Towne Elementary School in Fairfax County, was a product of the normal requirements established by the School Board plus the desire to obtain, in the two-story classroom wing, a "school-in-the-round" within which would be arranged groupings of five classrooms clustered about a common resource room served by two teachers' workrooms. For reasons of economy a hexagonal plan composed principally of rectangles was chosen as it provides the same interrelationship of spaces as does a circle.

The lower floor of the classroom wing accommodates the three primary grades. The school library was placed

in the open hexagonal core of the floor so it could serve as a special stimulus for the primary grade pupils. In this context, the Science-Art Room, which serves the three elementary grades (4th, 5th and 6th) was located in the hexagonal core of the second floor.

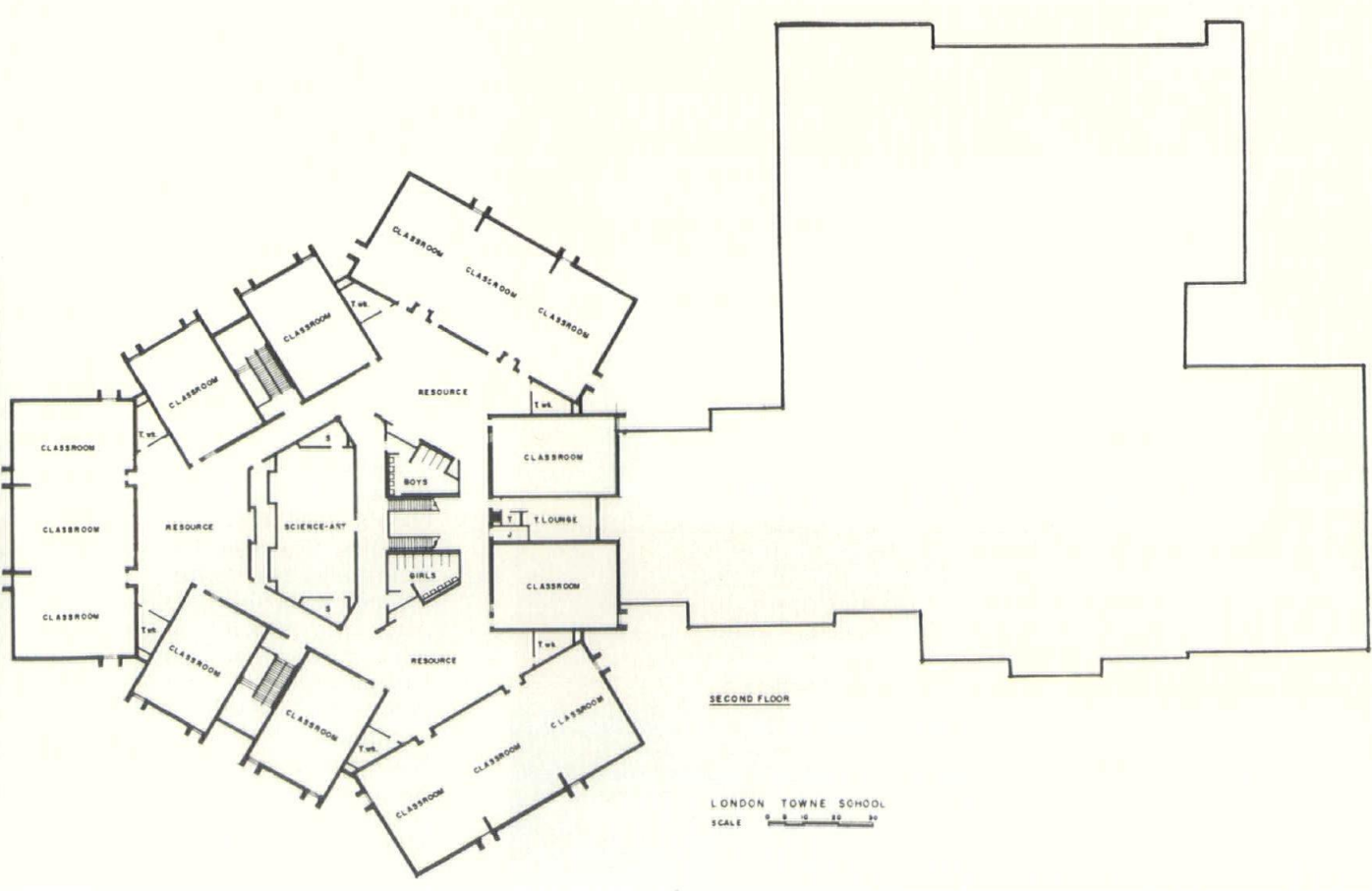
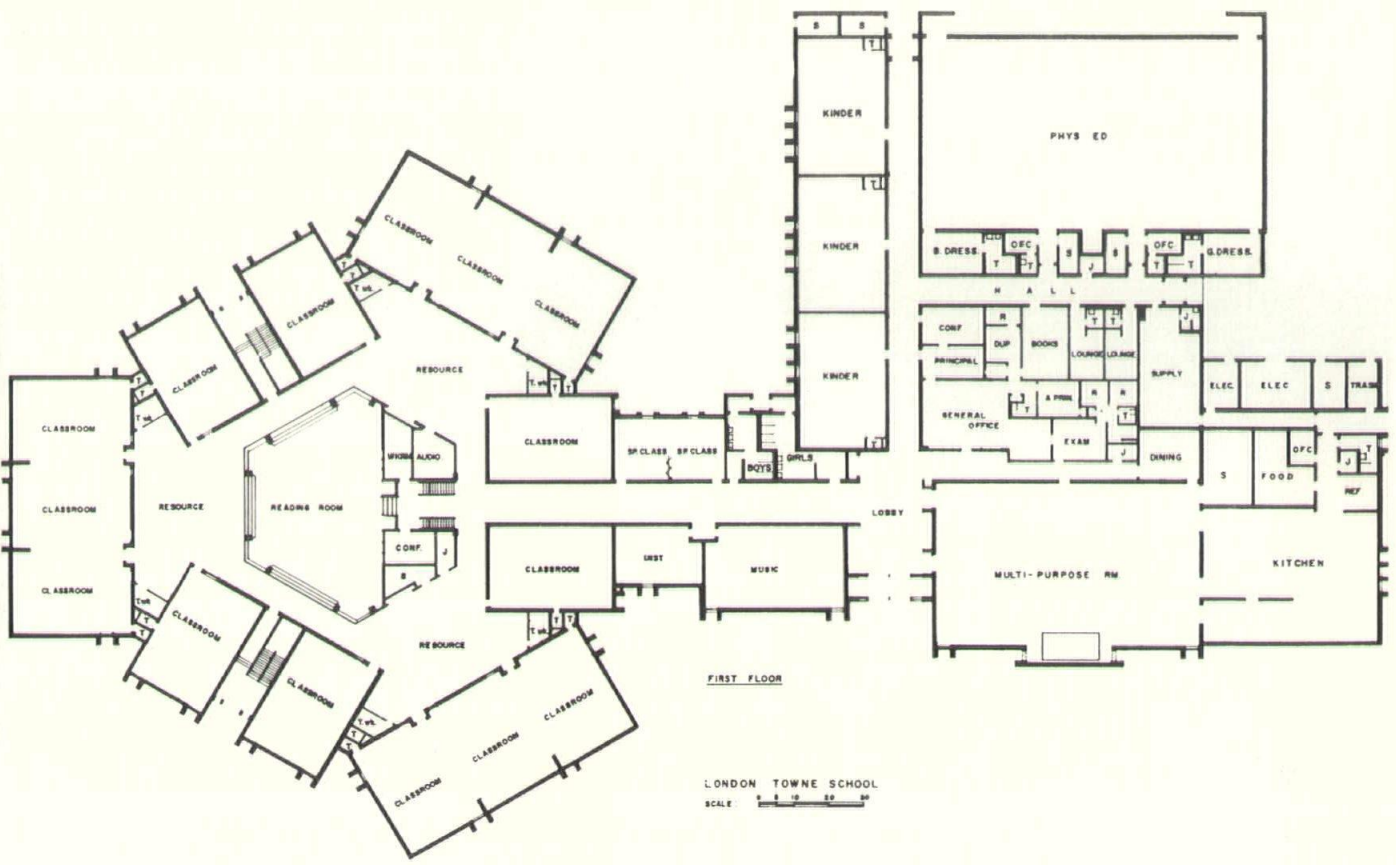
Special consideration was given to separating the hexagonal classroom wing from music and kindergarten rooms.

The disposition of population in Fairfax County dictated that this school be located in the south approach zone to Dulles International Airport.

Because of the aircraft noise the building was designed to prevent the intrusion of distracting volumes of

noise. Analysis indicated that a reduction in sound transmission in the order of 60 decibels (STC) would be needed.

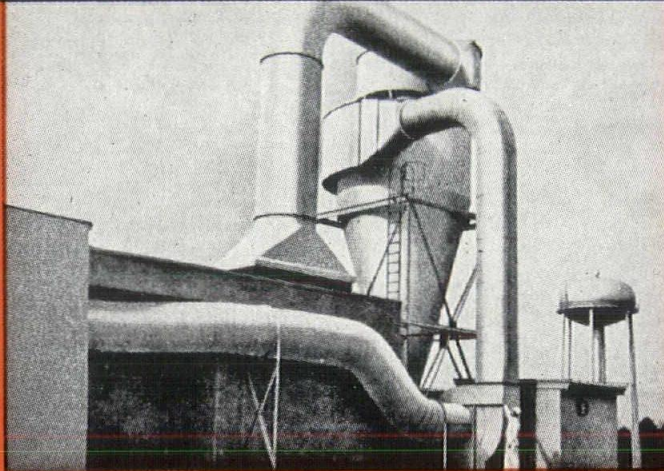
This reduction was achieved by the selection and use of materials in a very particular relationship. As example (1) The roof assembly consists of a acoustic tile ceiling suspended by special noise isolators from a pre-cast concrete deck over which is 2" thick poured-in-place topping with an overlayment of 1 3/4" rigid insulation, over which is the built-up roof. (2) The exterior walls are of 4" thick brick separated by a 2" air space from a high density concrete masonry block. Windows, with specially constructed frames and thick double glazing, were kept t



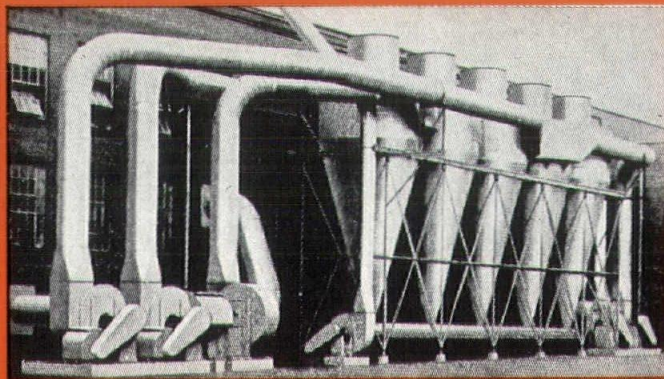
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(from page 16)

the minimum considered adequate to prevent claustrophobia.

The entire structure, except the gymnasium, is air conditioned.

The architects are Beery and Rio A.I.A., of Annandale.

Subcontractors and Suppliers

Jenkins Construction Co., Inc., Silver Spring, Md., general contractor; Sidney F. Hoffman & Associates, Riverdale Md., land surveyors; Montgomery Equipment Co., Silver Spring, Md., earthwork, drainage, building excavation & backfill; Nance & Volpe, Inc., Arlington, sewers, utilities, water lines & fireplugs; National Asphalt Paving Corp., Merrifield, paving; Middleton & Wade Co., Inc., Boyds, Md., landscaping; Long's Fence Co., Inc., Hyattsville, Md., chain link fence; David L. Good, Fairfax, place concrete; Value Engineering Co., Alexandria, concrete test; Virginia Concrete Co., Inc., Springfield, ready mix concrete; Stresson Industries, Baltimore, Md., prestressed concrete; United Masonry Inc., Alexandria, masonry; Montague Betts Co., Inc., Lynchburg, structural steel, joist, roof deck, misc. metals, reinforcing steel & wire mesh; Ruffin & Payne, Inc., Richmond, millwork suppliers.

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Modern School Equipment, Inc., Richmond, chalkboards & tackboards; Global Steel Products Co., c/o Shon Building Products, Washington, D. C., metal toilet partitions; J. L. Blanks Associates, Lynchburg, folding partitions; Alto, Inc., Alexandria, walk-in cooler-freezer; Brownson Equipment Co., Inc., Richmond, gym equipment; J. H. Pence Co., Richmond, laboratory equipment; Mileham & King, Inc., Washington, D. C., venetian blinds; Nazarian Brothers, Inc., Washington D. C., carpets & mat; Baco Co., Inc., Alexandria, mechanical work; American Electric Co., Sandy Springs, Md., electrical.



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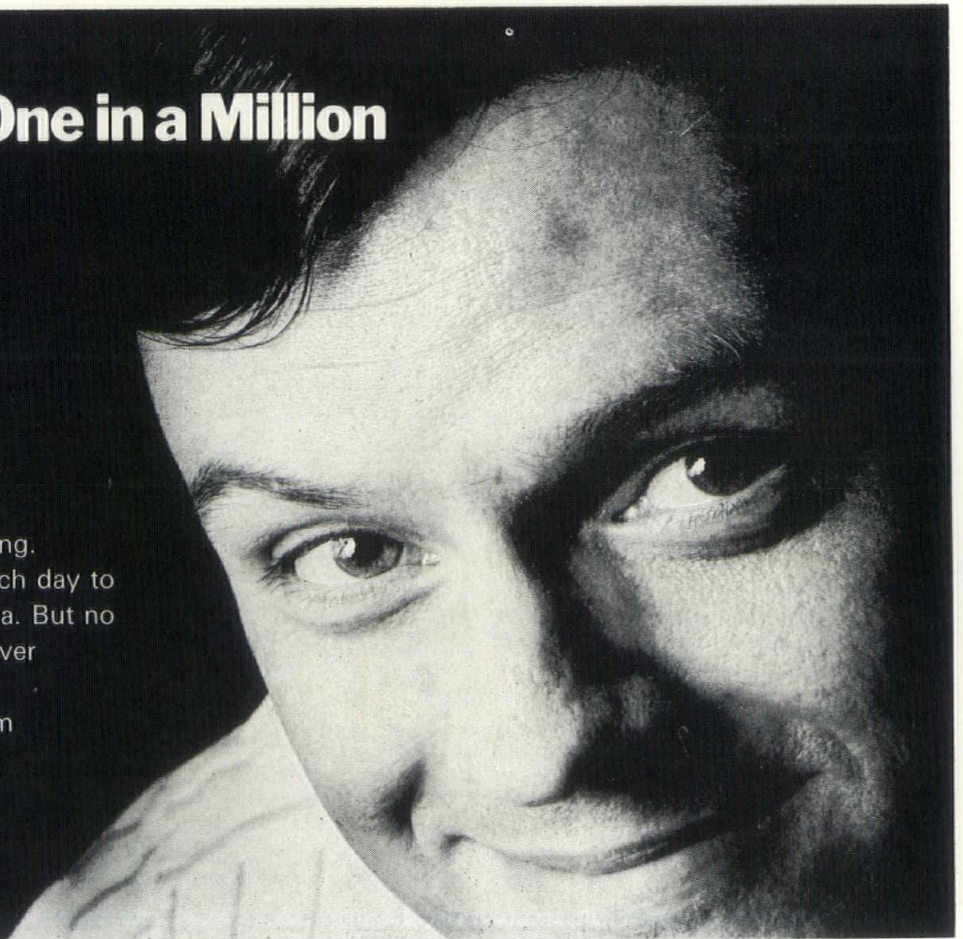
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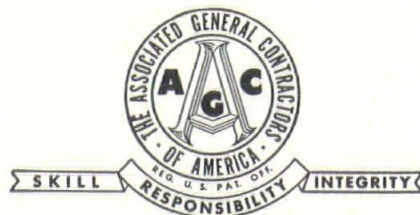
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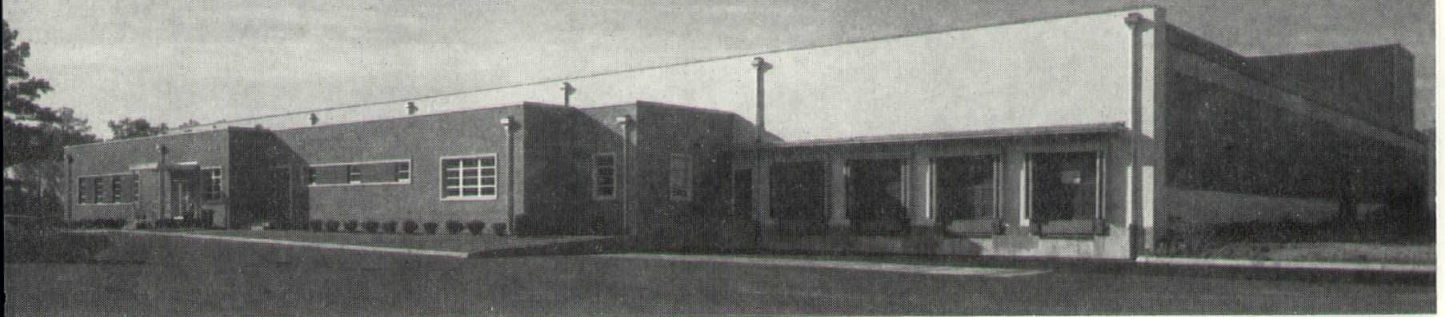
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ETHYL CORPORATION WAREHOUSE AND OFFICE



(Photos by James M. McElroy)

Henrico County

J. ROBERT CARLTON — Architect & Engineer

BASS CONSTRUCTION CO., INC.—General Contractor

THE ETHYL Corporation PVC Film Plant was originally planned to be located in the Tredegar Iron Works area of Richmond, along the edge of the James River just below their corporate offices at the end of Fourth Street. Other land use and economic factors brought about the decision to relocate the structure to its present home at Norman and Lewis Road near the Byrd Airport Passenger Terminal entrance. An existing oil siding, a new public water storage facility and the extension of Laburnum Avenue tying the Byrd Field area directly to Interstate 64 make the Norman and Lewis Road site an excellent location for the new Film Plant.

Since the extrusion of plastic is a relatively clean, noncorrosive, low fire hazard operation, exposed steel structure with bar joist metal deck, built up roof and masonry walls coated with gray crete was selected as the most economical material.

A chocolate brown metal panel wall was selected for the west side of the building to provide for future expansion for both manufacturing and warehouse facilities. This color complements the browns and tans in the face brick and remainder of the building trim.

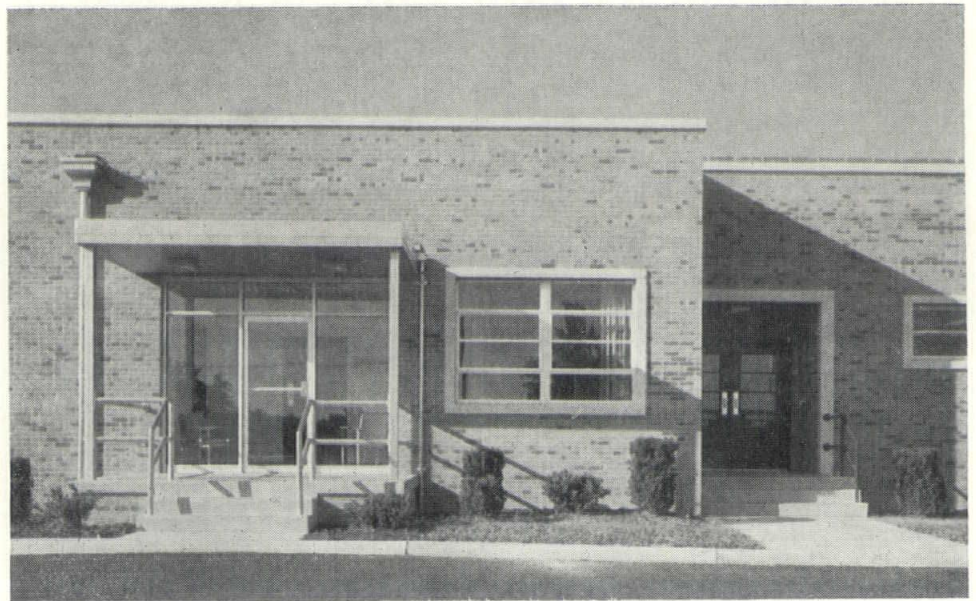
The building construction which started in late August was slowed considerably by the damp fall weather and a high water table throughout the site. Removal of several feet of soil from the site and its replacement by

suitable materials was a major problem in the early stages of construction. The overall timetable was maintained by exceptional cooperation among all subcontractors, trades and suppliers so, in spite of the site problems, the building was substantially complete for occupancy within 180 days after the contract was let.

Subcontractors and Suppliers
(All Richmond firms unless otherwise noted)

Bass Construction Co., Inc., general contractor, foundations, concrete, carpentry & paneling; E. G. Bowles Co., excavating & paving; Southern Brick Contractors, Inc., masonry; Whitley,

Inc., roofing; Sash, Door & Glass Corp., windows; PPG Industries, Inc., glazing; City Wide Decorators, Inc., painting & plastic wall finish; E. S. Chappell & Son, Inc., weatherstripping; Consolidated Tile Co., insulation, acoustical & resilient tile; Stonnell-Satterwhite, Inc., ceramic tile; R. A. Siewers, Inc., millwork; J. S. Archer Co., Inc., steel doors & bucks; Central Electrical Service Corp., lighting fixtures & electrical work; J. W. Bastian Co., plumbing fixtures, plumbing, air conditioning, heating & ventilating; Pleasants Hardware, hardware; Montague-Betts Co., Inc., Lynchburg, steel, steel roof deck, steel grating & handrails.





(Photos by James M. McElroy)

ALTERATIONS AND ADDITIONS TO— RETREAT FOR THE SICK HOSPITAL—RICHMOND

BASKERVILL & SON
Architects

TORRENCE, DREELIN, FARTHING & BUFORD
Structural Consultants

CONQUEST, MONCURE & DUNN, INC.
General Contractors

THE RECENTLY completed addition to the Retreat for the Sick Hospital has greatly benefited the Richmond Area with much needed, extra sick care facilities, an ever present problem in most metropolitan areas today.

This irregular "L" shaped building addition, with the exterior completed in brick and cast stone trim, has a 126

foot frontage and is 128 feet in depth.

The edifice, encompassing five floors of vital space and facilities was designed by the architectural concern of Baskervill and Son of Richmond, with Conquest, Moncure and Dunn, Inc. as general contractors and Torrence, Dreelin, Farthing and Buford as structural consultants.

Facilities:

Ground Floor—Entrance Lobby, Waiting Lounge, Business Offices, Admitting Office, Pharmacy, Central Sterile Supply Rooms, Central General Store-Room, and Medical Equipments Rooms.

First Floor—Board Room, Administrative Offices, Assistant Administrative Offices, Radiology Department, Do

RETREAT FOR THE SICK

er's Lounge, Medical Records Room
nd Physical Therapy Room.

Second Floor—Intensive Care Unit,
oronary Care, Surgery and Recovery
oom.

Third Floor—All private rooms (26)
nd two (2) of these rooms are deluxe,
omplete with full bathroom and ad-
nct facilities.

Fourth Floor—same as third floor.

Subcontractors and Suppliers
(Richmond firms unless otherwise
noted)

Conquest, Moncure & Dunn, Inc.,
eneral contractor; Liphart Steel Co.,
nc., aluminum expansion joint covers,
uminum work—railings; Montague-
etts Co., Inc., access panels, alumi-
um letters, louvers; Pleasants Hard-
are, nameplates & hardware;
conomy Cast Stone Co., cast stone;
Richmond Ready-Mix Corp., concrete;
ethlehem Steel Corp., reinforcing
eel; J. S. Archer Co., Inc., curtain

cubicles & curtains, metal doors &
frames, pass window, X-ray equipment
& rolling steel door; Market-Forge Co.,
Everett, Mass., glassware washer and
dryer, ice machines, lavatory stations,
medicine preparation units; Davis
Products Co., Dowagiac, Mich., kitch-
enette unit; W. H. Stovall & Co.,
Inc., linen chute; Miller Mfg. Co., Inc.,
millwork; Ille Electric Corp., Williams-
port, Pa., physical therapy equipment;
Cruickshanks Iron Works Co., steel
and iron; American Sterilizer Co.,
(AMSCO Industrial Co.), steriliz-
ers; Roanoke Engineering Sales Co.,
Inc., vault door; O'Ferrall, Inc., acous-
tic work, insulation & resilient flooring;
Binswanger Glass Co., aluminum work,
glass & glazing; E. G. Bowles Co., bi-
tuminous paving; Modern School
Equipment, Inc., chalkboard & projec-
tion screen; Paris Shade Shoppe, Inc.,
rods; Benders' Venetian Blinds, Inc.,
draperies; Williams Pivot Sash Co.,
Bedford, Ohio, window sash reversible
equipment; Fred G. Todman, case

work, hospital; McKesson & Robbins,
Inc., Roanoke, casework, pharmacy;
Manson & Utley, Inc. caulking &
weatherstripping; Oliva & Lazzuri,
Inc., ceramic tile, marble and soap-
stone, toilet accessories; P. E. Eubank
& Co., demolition (outside) & excava-
tion; The Howard P. Foley Co.,
electric work; Southern Elevator Co.,
Inc., Greensboro, N. C., elevators and
dumbwaiter; Dages Co., folding par-
tition & metal partitions; C. E.
Thurston & Sons, Inc., incinerator;
F. Richard Wilton, Jr., Inc. lath,
plaster & stucco; Richmond Con-
struction Corp., masonry, cast stone—
setting; Harris Heating & Plumbing
Co., Inc., mechanical work; Industrial
Fence Co., metal fence; Welton Co.,
metal windows; Marsteller Corp., Neo-
prene & resin composition floors; Hun-
gerford Paint & Wallpaper Co., paint-
ing & vinyl & wood wall covering; N.
W. Martin & Bros., Inc., roofing and
flashing; Rich-Line Manufacturing Co.,
Inc., wardrobes and dressers.

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Architect

JAMES STRICKLER & ASSOCIATES
Consulting Engineers, Mechanical & Electrical

FORTUNE, DOWNEY & ELLIOTT
Consulting Engineers, Structural

BEATTY-ELMORE CONSTRUCTION COMPANY
General Contractors

CONSTRUCTION HAS recently been completed on the Heritage Building in Annandale. On December 11, 1969, prior to the start of construction, the following article appeared in *The Annandale Globe*. With special permission, we reprint it here.

By Peggy Longmire
Special Writer

Construction on the largest and perhaps most beautiful structure in Annandale will start shortly and be completed approximately a year from now. It will be a modern, 10-story building, occupying 105,000 sq. ft. of office space, located at the intersection of Little River Turnpike and Heritage Dr., just one block off the Capital Beltway.

For the past two weeks, area citizens have watched with interest while the land was cleared by bulldozers. For almost a week, smoke billowed from the corner, as a huge bonfire burned the trees and debris.

The new building, owned by Guy E. Beatty, Stoney P. Elmore and John C. Webb, will be constructed of steel and concrete. Designed by Donald H. Misner, the building will utilize three high speed elevators computerized for maximum efficiency. At present, Annandale has only about two office buildings with elevators.

Occupying the ground floor office of the new building will be the Annandale branch of the United Virginia Bank/First & Citizens National office.

Arthur H. Bryant, II, assistant cashier, has been named manager of the Annandale branch, the bank's seventeenth office and the fourth to be located in Fairfax County. The temporary home of the bank is a mobile home

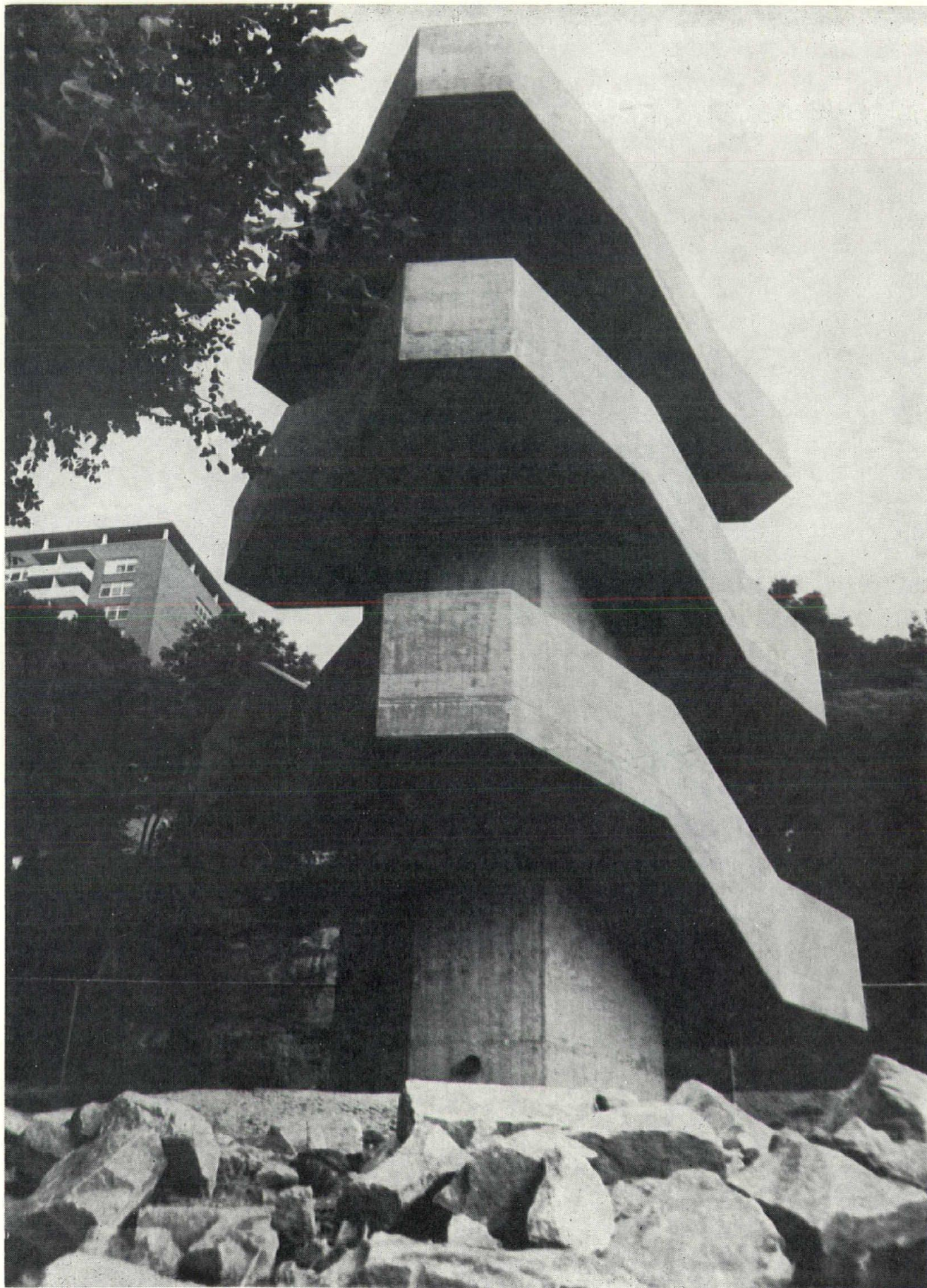
at 4125 Hummer Road, according to J. E. Sebrell, III, chairman. The bank will open for business in Annandale Monday, Dec. 15. Bryant and his staff will be located in the mobile home pending the completion of the new office building, probably early 1971.

The bank has announced that the temporary office will feature complete banking services, including a night depository and a drive-in teller. Banking hours will be 9 a.m. til 2 p.m. Monday thru Friday. The drive-in teller will be open 5 p.m. til 8 p.m. Monday thru Friday. The bank lobby will also be open 5 p.m. til 8 p.m. on Friday.

Bryant, a native of Alexandria, at-

(Continued on page 85)

AWARD OF MERIT - VIRGINIA CHAPTER, AIA



BUTTERMILK SPRINGS BRIDGE JAMES RIVER PARK-RICHMOND

CARLTON STURGES ABBOTT, AIA
Architect

STANLEY W. ABBOTT, F.A.S.L.A. •
Landscape Architect

SAM HERCHIK
Project Engineer, City of Richmond

• TORRENCE, DREELIN, FARTHING & BUFORD
Consulting Engineers

Department of Recreation & Parks
J. A. WALDER, INC.—General Contractors

SINCE EARLY railroad days the rock strewn, tree-lined course of the James River through the City of Richmond has been fenced away from the people. The Southern Railway tracks along the south bank have been bridged as a first step in a five-year park development program. People may now go to the river to hike miles of trails, to fish, to wade, and picnic.

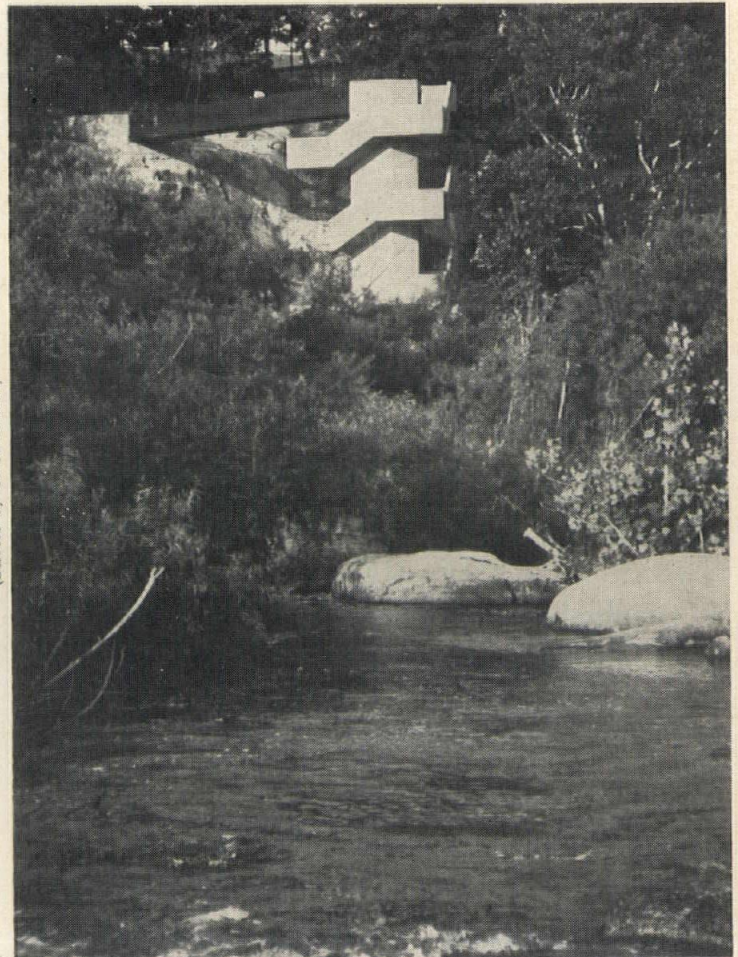
The box beams of the one-hundred-foot bridge span are exposed weathering steel. The concrete deck is supported by four-foot beams in order that they may also serve as guard rail.

The town end of the structure is of poured-in-place concrete formed with one by four lumber rough sawn. The hollow core of the towers, thirty-feet high, is an equilateral triangle in plan. Alternating faces of the tower support cantilevered stair runs and landings. The latter serve also as view platforms affording changing vistas down the railroad tracks and over the spectacular river scene.

The James, as any great river, is one of many moods. Sometimes it is a series of reflecting pools scarcely moving. Other times, it is a raging torrent. Flood resistant tower construction was a major element in the design.

Contractor and Suppliers
(All Richmond firms)

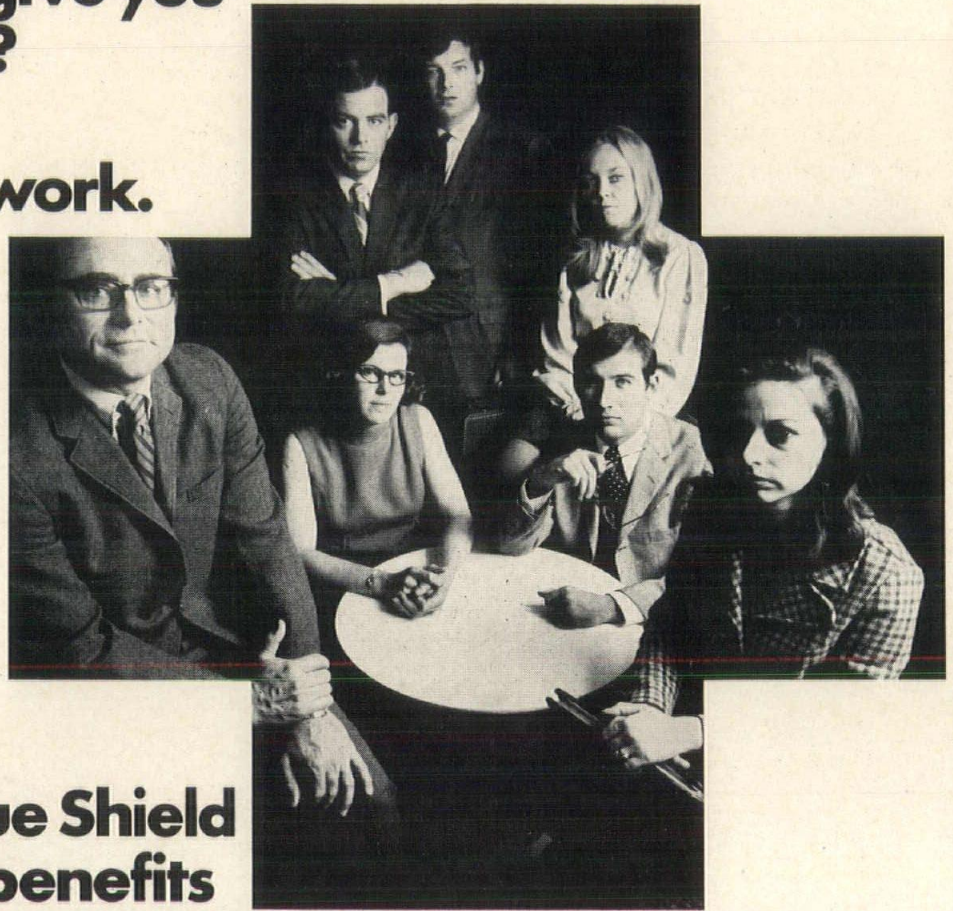
J. A. Walder, Inc., general contractor; Southern Materials Co., Inc., concrete; Bethlehem Steel Corp., manufactured steel; Bristol Steel & Iron Works, Inc., supplied steel.



(Photos by C. S. Abbott)

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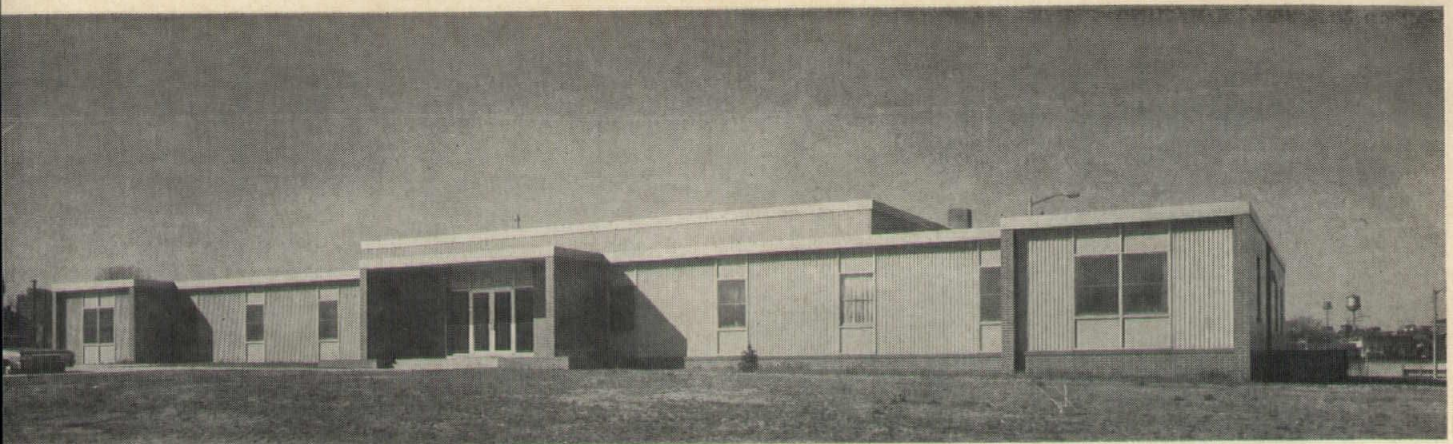


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(Photos by James M. McElroy)

RICHMOND YWCA BRANCH

BASKERVILL & SON
Architects & Engineers

BARKER CONSTRUCTION COMPANY, INC.
General Contractors

RESPONSE to the loss of the YWCA building at 7th and East Clay Streets in April 1960 when the Civic Center development began in downtown Richmond, was characteristic of the Young Women's Christian Association—the tougher the job, the harder they tackled it. And tough it would be to find a convenient, accessible urban land area and acquire it, develop it, plan and build a facility on it which could meet growing needs of women and girls and their families in a fast changing society, and pay for it at premium prices, and ever rising construction costs. The difficulties were not dwelt on—how to surmount them was the theme of all considerations.

Women who had developed and guided the YWCA program, also started relocation with courage and conviction. Other community leaders backed them up.

Realtors, lawyers, engineers, manufacturers, architects, city departments, the Turnpike Authority, utility companies were among those who consulted and helped. With vision and perseverance they assembled a site out of 29 parcels of land, many occupied by houses, and criss-crossed by streets and alleys.

Many surveys, permits, deeds, ordinances, purchases, demolitions later, construction could begin.

The new YWCA building was completed and occupied on March 1965 but traffic on Chamberlayne Parkway still went past the view of an old two-story store because there were easements in effect which had to be honored

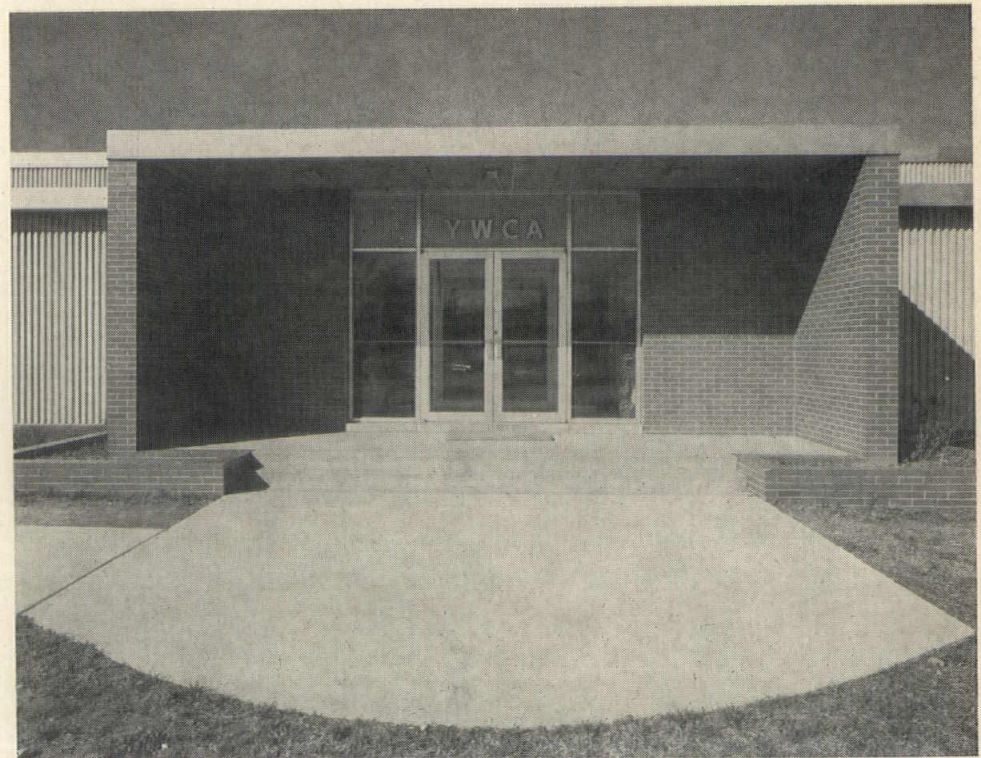
before the building could be removed. The handsome front entrance of the YWCA faced only the back fence of the store.

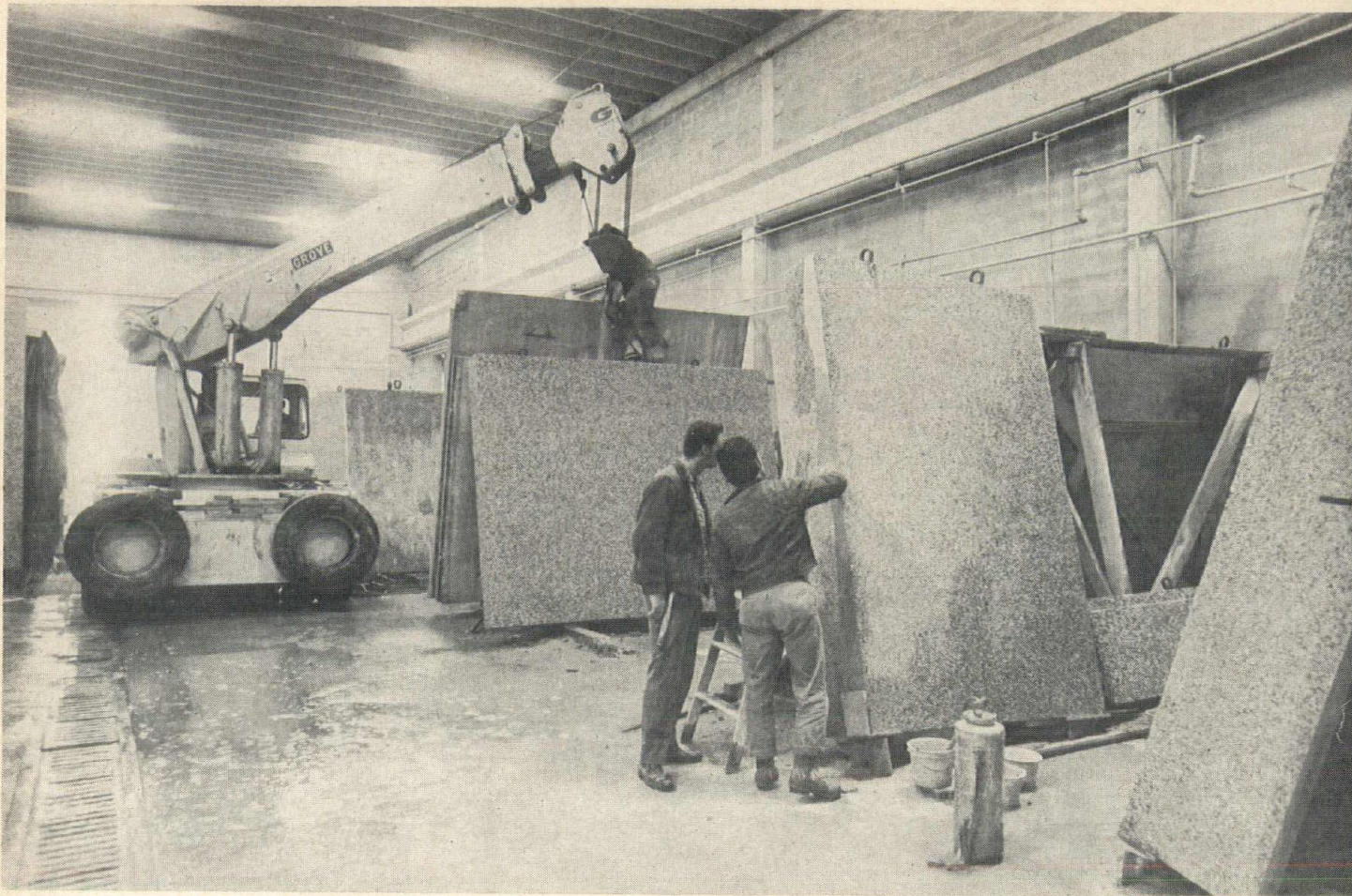
It was 1970 by the time Kenneth Higgins' plans for landscaping and paving could approach the final stages and a walkway could be laid from Chamberlayne Parkway to the front door of 918, the YWCA.

In the meantime, many feet had gone over the threshold of the "side door" which had been cleared for action the

moment the building could be occupied. Young neighbors watched the transformation and were attracted by the blue glazed brick and aluminum building as it took shape. They came to explore, found a welcome, then came back for recreation and learning experiences which the YWCA staff developed with them. Younger brothers and sisters now come daily and regularly after school from Noon until 5:00 p.m., and all day whenever school is closed. That means

(Continued on page 85)





EXPOSAIC INDUSTRIES INCORPORATED

WILEY & WILSON
Engineers — Architects — Planners

ROMEO GUEST ASSOCIATES
General Contractors

Photos by
JAMES M. McELROY



THE NEW Exposiac Industries, Inc., plant in Spotsylvania County near Fredericksburg is of considerable architectural interest because of the product the company produces—architectural precast concrete—in an infinite variety of shapes, sizes and finishes.

The plant itself, functional in concept, was designed by Wiley & Wilson, engineers, architects and planners of Lynchburg, for Romeo Guest Associates, Greensboro, N. C. general contractor who developed the project.

Exposiac Industries has general offices in Winston-Salem, N. C., and operates plants in Greensboro and Mount Airy, N. C., Peachtree City, Georgia, and a subsidiary, Stone Products Bahamas, Ltd., operates out of Freeport, Bahamas.

The Fredericksburg plant is 423 feet long with a basic width of 60 feet, plus an office area of 24 feet by 211 feet on one side and an accessory area of 80 by 100 feet on the other side of the main building.

Construction is concrete slab on grade, with masonry block walls and a built up roof. Structural support is provided by prestressed concrete beams and columns and prestressed double tees. There are also two prestressed concrete runways for the two 25-ton overhead cranes which can operate the length of the building.

Incorporated into the design is a concrete mixing facility fed from an outside conveyer system, and a concrete testing laboratory.

Production of a series of panels will begin in the carpenter shop, where wood forms are built to the architect's design. The wooden forms are then coated with fiberglass to achieve a smooth surface.

Reinforcing steel for the individual patterns is put together from stock, and then fitted into the forms. Three-yard concrete buckets, carried on the overhead cranes, pour the concrete into the forms, and external and internal vibrators are used to consolidate the mix. After the individual pieces are cured, they are moved down the length of the building to the washing area, where



they are cleaned and prepared for either temporary storage in the yard or shipment to the job site.

The largest slabs produced so far in the plant have been 16-ton panels, 8 by 40 feet long, for the Volkswagen building in Washington, D. C.

Exposiac Industries' Fredericksburg plant is located on a 60 acre site in a recently developed industrial park on Virginia highway 608 adjacent to Interstate 95.

Subcontractors and Suppliers

Romeo Guest Associates, Greensboro, N. C., general contractor; Piedmont Construction Co., Inc., Winston-Salem, N. C., precast concrete; Leonard Brothers, Inc., Fredericksburg, masonry; W. A. Lynch Roofing Co., Inc., Charlottesville, roofing; Frick, Vass & Street, Inc., Richmond, painting; Louis C. Collier, Inc., Richmond, electrical work; Reames & Moyer, Inc., Richmond, air conditioning.



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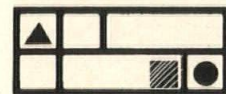
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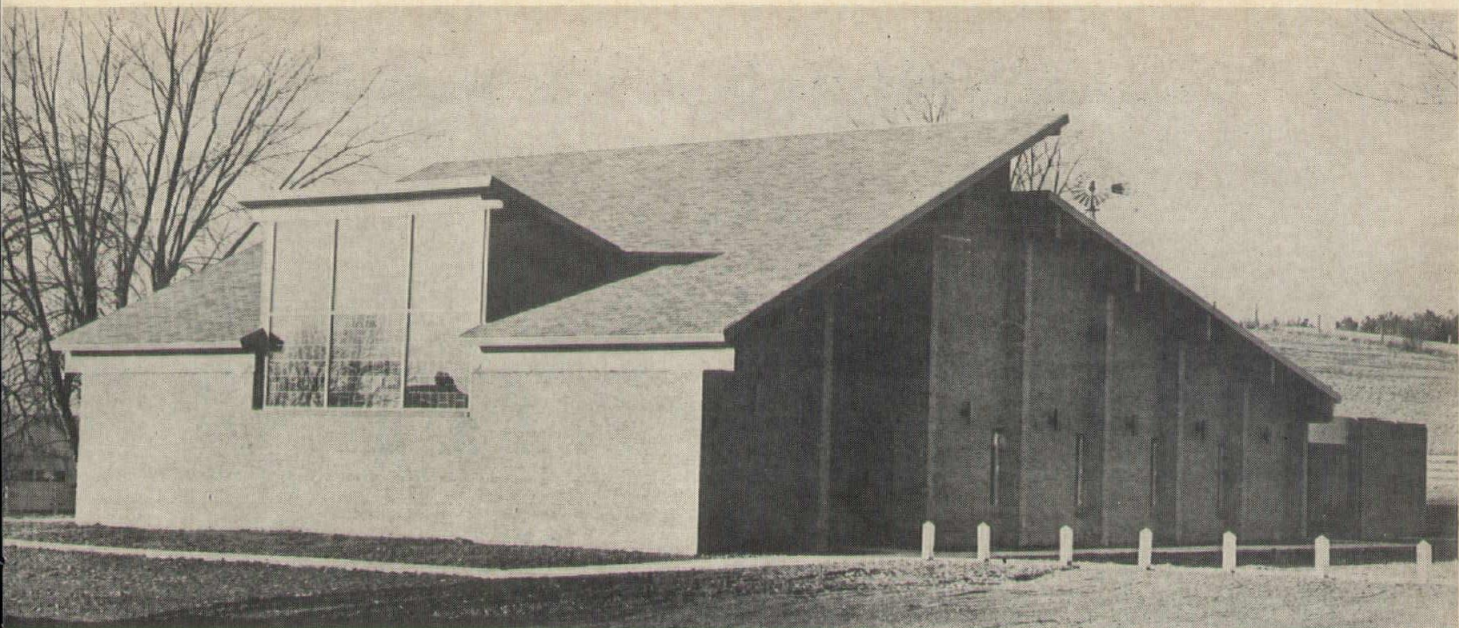
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ALLEGHANY CHURCH OF CHRIST CHRISTIANSBURG

ROBERT L. MILLS, AIA
Architect

SHUMATE, WILLIAMS, NORFLEET &
EDDY—Consulting Engineers
Mechanical & Electrical

BOONE & WALSH, INC.
General Contractors

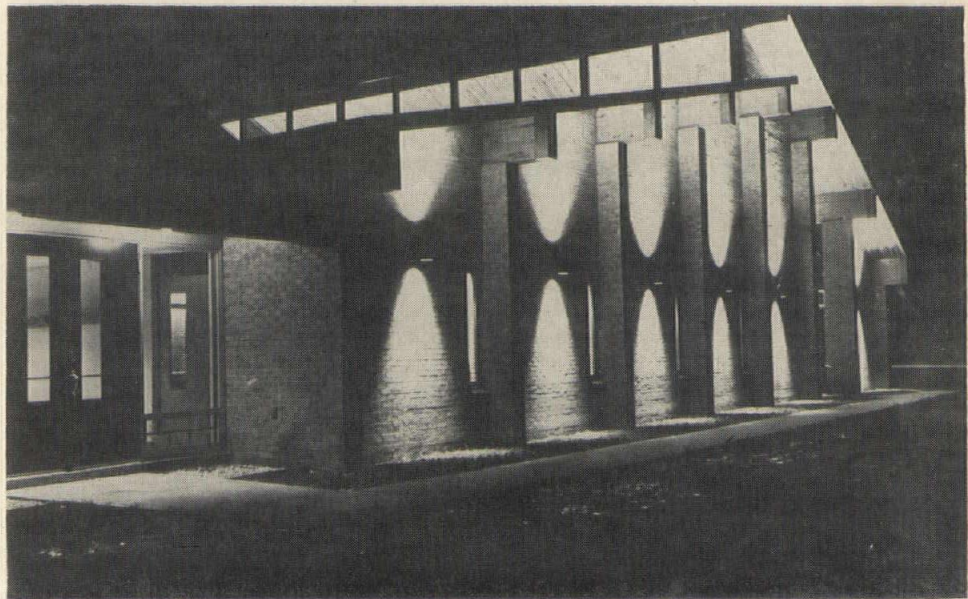
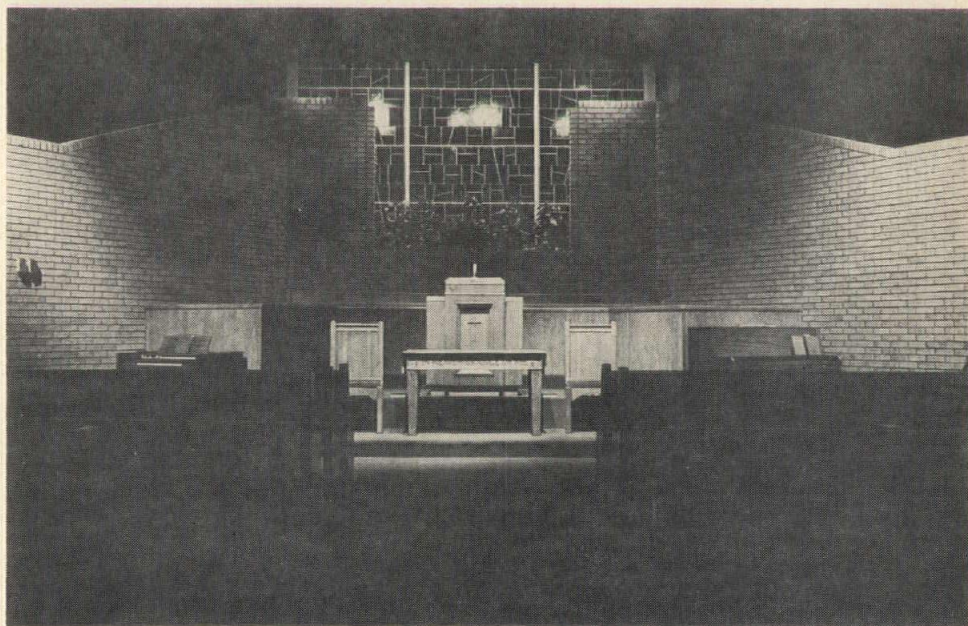
THIS CHURCH, located on a U.S. highway leading into Blacksburg, is the first phase of a three phase building program. The congregation wanted a church which would be contemporary in nature and be appealing to all who passed.

Phase one consisted of a sanctuary seating approximately 250, choir rooms, narthex, pastor's office, nursery and supporting facilities. Educational space is provided in existing building which will be torn down for phase two.

The nave has a sloping ceiling which reaches a high point above the pulpit and choir. A clerestory allows indirect light to enter the chancel area which has a sloping ceiling with its high point above the pulpit area. A large stained glass window is behind the baptistry.

Structural laminated wood beams and wood decking, stained, are expressed on the interior and exterior as the ceiling material. Exposed brick walls and a carpet floor make up the remainder of the interior. Indirect lighting along side walls and lighting behind laminated beams give many possibilities for interior lighting. Ex-

(Continued on page 86)





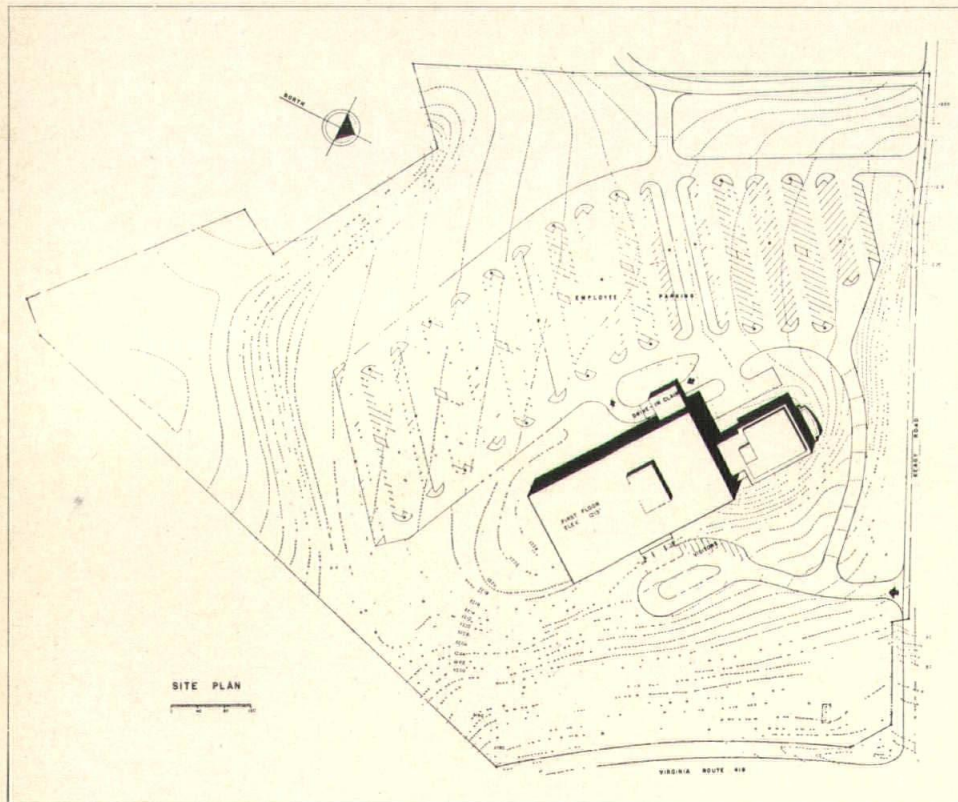
Allstate Insurance Company - Regional Headquarters

ROANOKE COUNTY

SMITHEY & BOYNTON
Architects

SOWERS, RODES & WHITESCARVER
Consulting Engineers, Mechanical & Electrical

J. M. TURNER & COMPANY, INC.
General Contractors

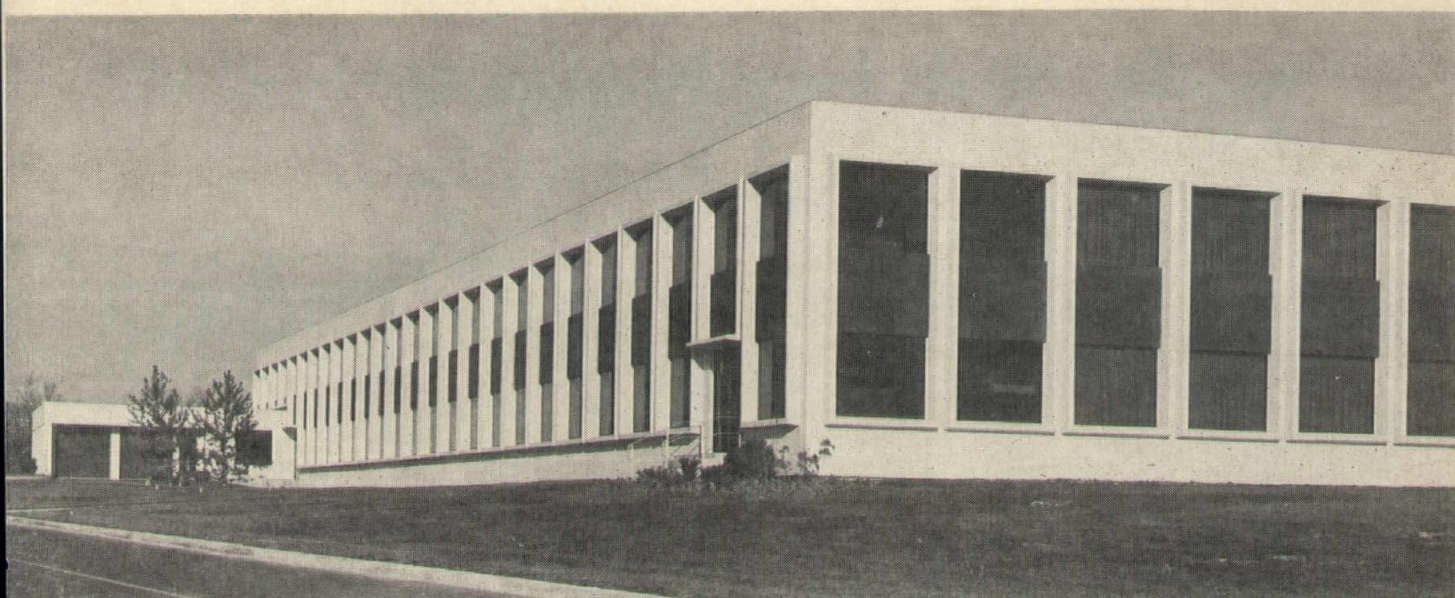


LOCATED in a fast-growing section of Roanoke County near the Roanoke city limits, the recently completed Regional Office Building for Allstate Insurance Company takes full advantage of its site to provide a generous and spacious environment for its customers and employees. With ample acreage, the building and its parking facilities are both designed so that expansion can be accomplished without difficulty. The building, of precast concrete and large areas of dark grey glass, caps a gentle rise and presents an aspect that can be seen for miles in several directions.

The new building serves as regional headquarters for Allstate operations in Maryland, District of Columbia, Virginia, and West Virginia. In addition the building serves as base for local branch service operations. The Roanoke regional headquarters is one of a network of regional units being constructed by Allstate, each of which is designed by an architect within the applicable region. Allstate's policy thus seeks a diversity of expression for each of its regional headquarters based on generally similar programs for all. It is felt that this method produces a more vigorous image for its firm than would the use of a prototype building design for all regions.

A two-story main element containing general office space projects over a lower floor level faced with rough-textured dark volcanic stone, these contrast sharply with each other. A one-story cafeteria wing extends from one end of the main building, using the same basic materials but in different proportions.

The lower floor contains a public



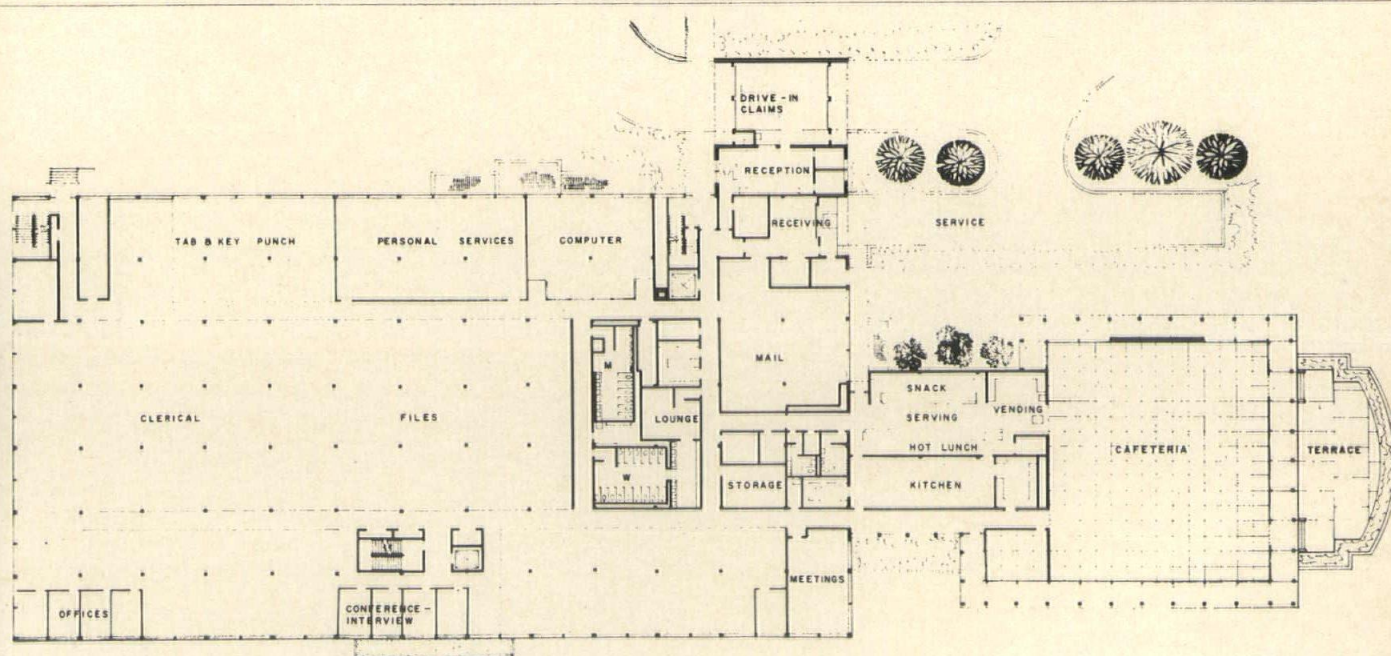
reception lobby, personnel department, direct sales, record storage, and mechanical equipment rooms. Portions of this floor are underground. The second, or main floor, houses the main clerical space, tab and key punch room, computer services, snack bar, mail room, conference rooms, and cafeteria. In addition, to the rear and adjacent to the parking lot is a special drive-in claims service unit, which was designed to expedite quick and efficient claims service to policy holders. The third floor contains additional clerical space, individual offices, address-o-graph room, and generous space for future growth.

Total area of the facility is 132,000 square feet. Parking space for the present is designed for 630 cars, with expansion area available to bring the total to 780, should the need arise.

Subcontractors and Suppliers

J. M. Turner & Co., Inc., Salem, general contractor; John A. Hall & Co., Inc., Roanoke, paving; Bat Masonry Co., Inc., Lynchburg, masonry; Valley Steel Corp., Salem, reinforcing steel; Leonard Smith Sheet Metal & Roofing, Inc., Salem, roofing; PPG Industries, Roanoke, glazing & aluminum doors & frames; Hesse and Hurt.

Inc., Roanoke, vinyl wall covering & painting; Bonitz Insulation Co., Greensboro, N. C., insulation; John H. Hampshire, Inc., Roanoke, acoustical & resilient tile; F. Richard Wilton, Jr., Inc., Richmond, plaster; Byrd's Terrazzo & Tile Co., Inc., Roanoke, ceramic tile & terrazzo; Danville Lumber & Manufacturing Co., Danville, millwork; Cates Building Specialties, Inc., Roanoke, steel doors & bucks; J. M. Murphy Co., Inc., Roanoke, electrical work; Lowe & Nelson Plumbing & Heating Corp., Roanoke, plumbing, air conditioning & heating; Graves-Humphreys, Inc., Roanoke, hardware.



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Residence

WEST POINT

ERNEST W. ROSE, JR.

Architect

TORRENCE, DREELIN,
FARTHING & BUFORD

Consulting Structural
Engineers

H. PEYTON HALL

General Contractor

Photos by JOHN C. MORGAN, JR.

A SMALL retirement home for middle aged couple with a grown daughter, this residence is located in West Point. The clients had previously lived in an apartment.

Design objectives:

1. An efficient compact plan suitable for gatherings of up to twenty people, yet of a comfortable scale for two people, within a limited budget.
2. Utilize water views to south and west.
3. Esthetically and functionally complement existing gambrel roofed guest house and garage.
4. Provide protection from occasional hurricane tides.
5. Support building on poorly filled marshland.

The structure is supported on a structural concrete slab over compacted fill, elevating the house above historic flood tides. Framing is conventional wood construction with built-up roofing.

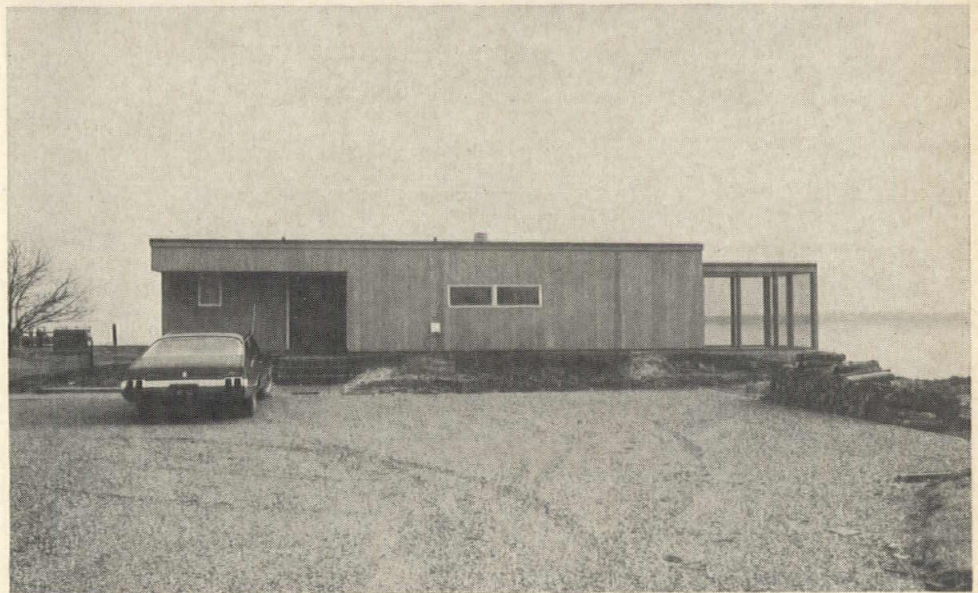
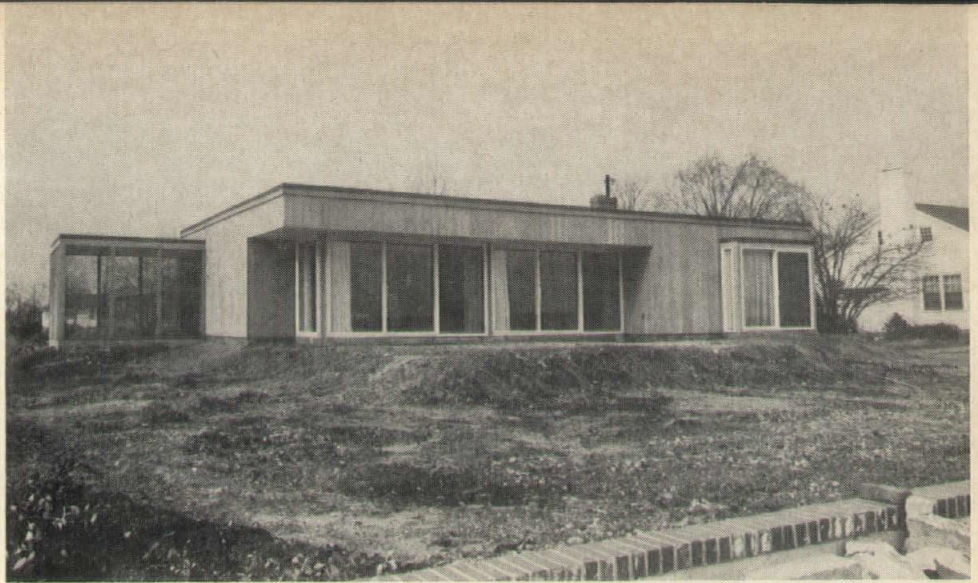
A vehicular court, planting, exterior colors and materials coordinate and unify new and existing buildings.

All rooms open toward the water via large protected glass areas. The essentially open plan uses only two interior doors. Spaces are defined by ceiling changes, floor materials, fireplace and kitchen core, furniture, and lighting. Floors are brick, wood block, in mixed shades of light and dark oak, blue vinyl sheet, and rugs. Walls, ceilings, and cabinets are painted satin gloss white with pictures, rugs, furniture and book jackets providing needed color.

Subcontractors and Suppliers

H. Peyton Hall, Saluda, general contractor; Herbert Wilson, West Point, excavating; George D. Clarke,

to tell the Virginia Story



Toano, masonry; E. S. Chappell & Son, Inc., Richmond, caulking; John DeGaetani, Richmond, drywall; Town & Country Decorators, Inc., Gloucester Point, ceramic & resilient tile; Ruffin

& Payne, Inc., Richmond, millwork; E. L. Turner Plumbing, Heating & Air Conditioning, plumbing, air conditioning & heating; and, windows by Andersen.



Clarendon Branch, First Virginia Bank ARLINGTON

BARKLEY PIERCE ASSOCIATES — Architects

GEORGE IRA WORSLEY, JR. & ASSOCIATES, M.E.—Consulting Engineers

WALTER L. PHILLIPS, C.E.—Site Plan

DENNIS COREY ASSOCIATES, N.S.I.D.—Interiors

BRUCE SCOTT CONSTRUCTION—General Contractors

THIS new banking facility in Arlington is the first of several branch banks to be built throughout the Virginia area. Planned as the prototype of the rapidly expanding First Virginia Bankshares Corporation, this basic design is expected to be utilized on a number of the bank's new locations.

The second facility is presently under construction in Triangle. A third and larger version of the banking office, planned for Vienna, is on the architect's drawing board. Additional sites have been purchased and studies are contemplated to begin in the near future.

Bruce Scott is the general contractor for the first 1800 square foot banking office built in the Clarendon section of Arlington. It is constructed of load bearing masonry walls and is roofed with wood trusses. Heating is supplied by a gas fired, forced hot air furnace and it is air conditioned electrically. Construction was completed in January 1971.

The interior contains a large banking room with space for seven teller windows, a drive-in teller window and an area for banking officers centered around the vault door and traditionally mantled fire place. Included behind the main banking room are employee's lounge, rest rooms, mechanical and storage rooms and the reinforced concrete vault.

Interior finishes selected and installed by Dennis Cory Associates, N.S.I.D. are designed around a gold, white and teakwood theme. They consist of tiled and carpeted floors, painted and foil covered drywalls and the ceilings consist of lay-in acoustical tiles. Also provided by the decorators are two Williamsburg chandeliers in the banking room and antique brass coach lamps on the exterior.

A Williamsburg green-gray accents the exterior trim which complements the hand made Colonial brick laid up with a grape vine mortar joint. A

(Continued on page 86)

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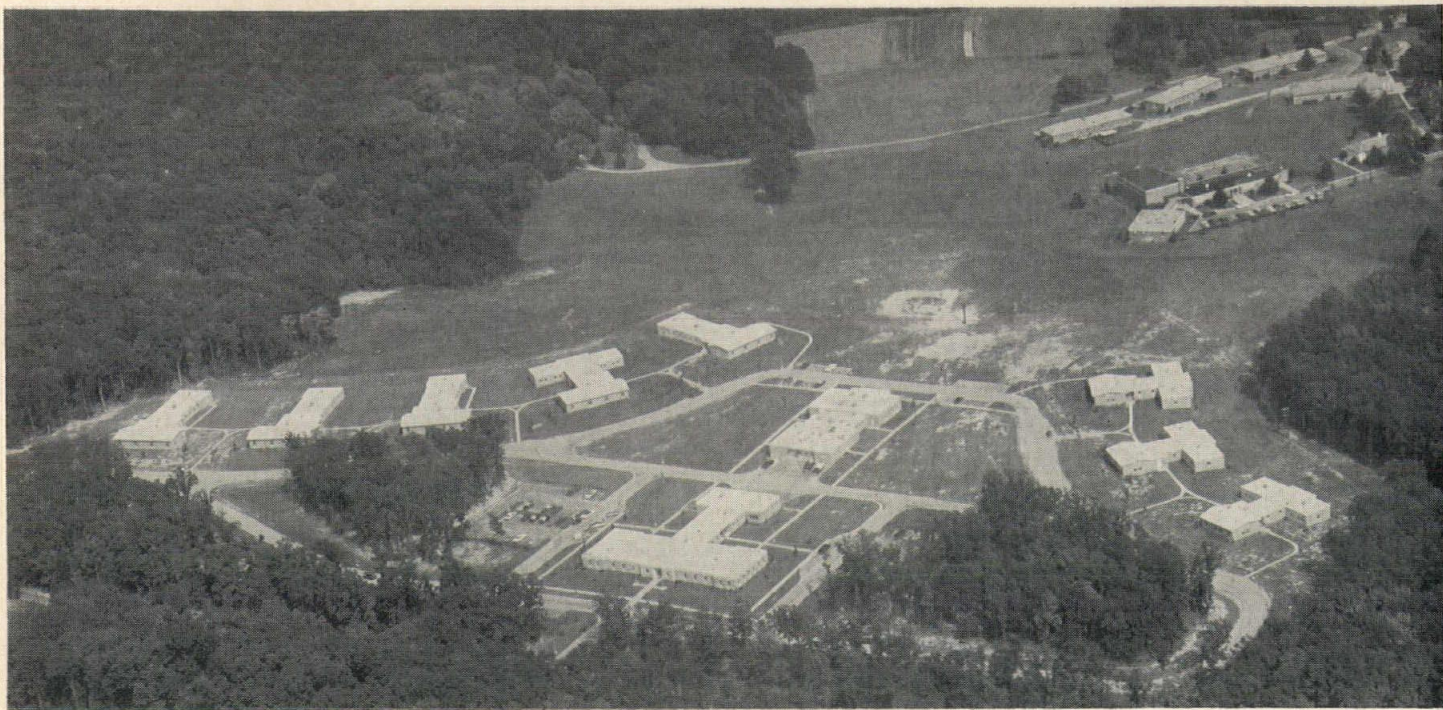
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(Photos by James M. McElroy)

RECEPTION AND DIAGNOSTIC CENTER - CHESTERFIELD

BEN R. JOHNS, JR., AIA — Architect

WILLIAM J. DAVIS—Consulting Engineer, Structural

ROBERT S. SPRATLEY & ASSOCIATES—Consulting Engineers,
Mechanical & Electrical

AUSTIN BROCKENBROUGH & ASSOCIATES, Consulting Engineers,
Utilities & Roads

ANDREWS LARGE & WHIDDEN, INC.—General Contractors

Interior Designs By The Architect

A FOCAL POINT in the Bon Air area of Chesterfield County, the Reception and Diagnostic Center was completed and occupied early in 1969. The center is located on a 30 acre tract of land and was constructed at the cost of one-and-¾ million dollars. The total complex consists of ten closely related one-story buildings of similar shape and design which include five boys' dormitories, three girls' cottages, an administration building, and a kitchen-dining building.

The purpose of the Diagnostic Center is to house children who have been committed to the State Board of Welfare and Institutions by the State Courts whereby their behavior has been deemed a problem that cannot adequately be handled within the child's own locality or environment. The children are then studied, diagnosed, and placed in a foster home or in a situation where they can better recognize and cope with the cause and solution of their problematical be-

havior. The average stay at the center is between three and six weeks. During this time, the children participate in planned daily activities of recreation, education, and minor work assignments. They are also given proper dental, medical, and psychiatric examinations. The architect's primary concern, therefore, was relating the actual structures to the needs and functions of the center.

The total capacity for both boys and girls is 210. Because the center is co-educational, there are separate facilities for the boys and the girls. The boys' facilities include the five dormitories which have a capacity of thirty boys each. The girls are accommodated in three cottages, each capable of housing twenty girls.

Over 100 employees are located in the administration building which houses the offices for dental, medical, psychological and psychiatric facilities. Included also in this building are the administrative offices, general offices,

and a large sized conference room as well as adequate storage rooms for clothing and other necessary items.

The kitchen and dining building at the center houses a food preparation room and kitchen in addition to the numerous food storage rooms. The dining area is capable of seating 264 people.

The use of color plays an important part throughout the complex. Due to the fact that the children come from less fortunate circumstances and have not necessarily been exposed to the most cheerful of surroundings, it was the architectural firm's intent to make the colors bright and exciting. Throughout any given building, there is a diversity of color. Various colors are held within an area for both variety and for relation of function or activity in that particular area. In the administration building and the dining building the colors, while still lively, are less intense than those in the cottages and dormitories. Cool aquas and

greens predominate these two buildings with secondary areas in golds and melon.

Four out of five boys' dormitories are built with the sleeping quarters as one room. Low block partitions are used in this area to define space and to create a feeling of semi-privacy. For interest, and again to break up the space, the partitions are painted in alternating colors of green and orange or light blue and dark blue, depending on the individual dorm. The large activities room and living room relate by the combination of an accent trim with the wall color, although less intense and more greyed, taken from the brighter colors used in the sleeping quarters.

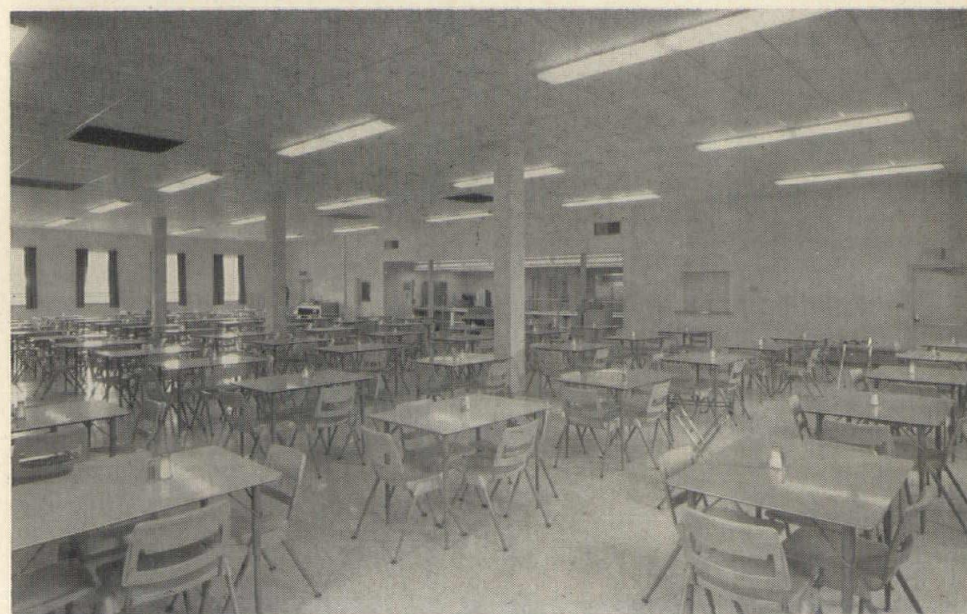
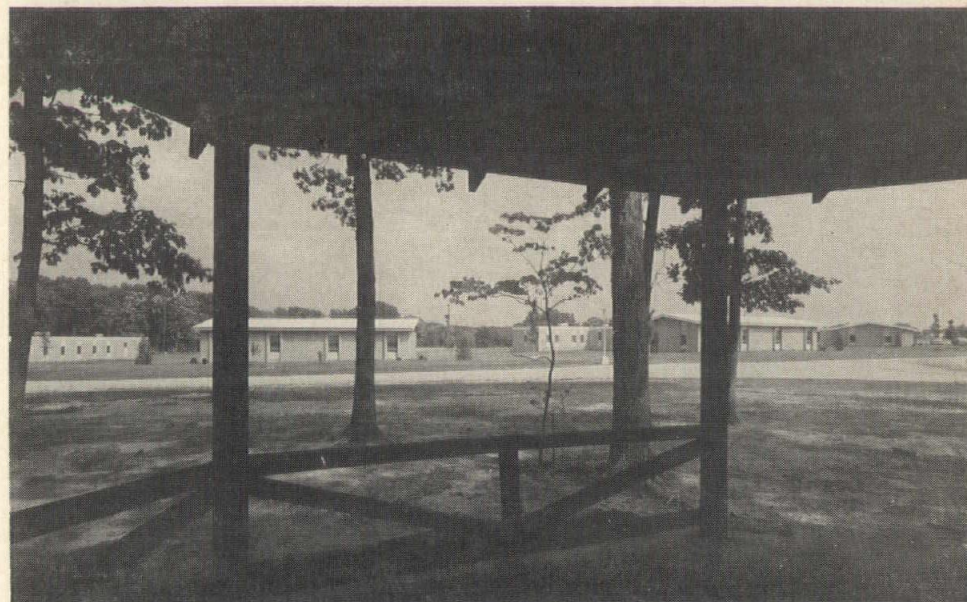
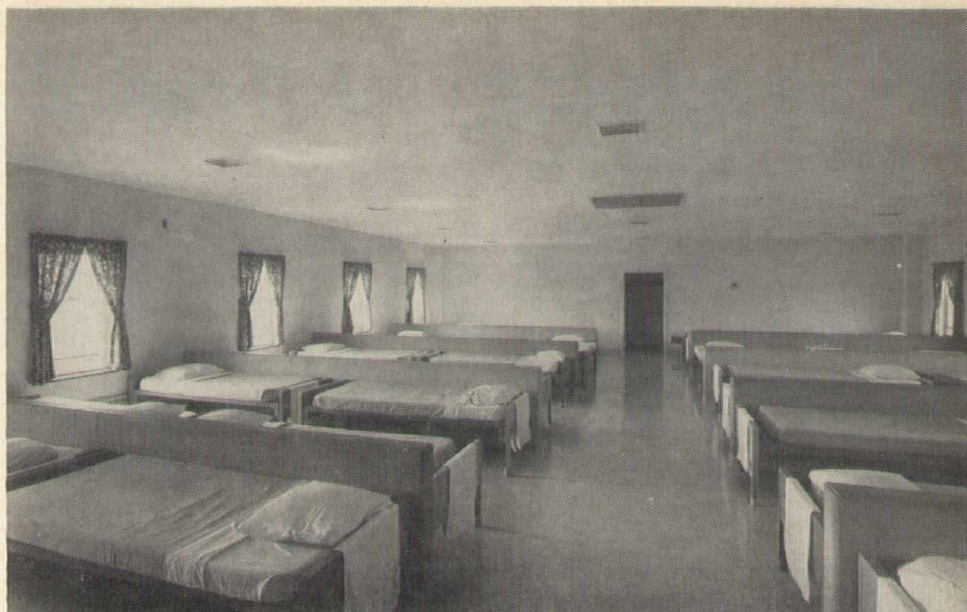
The remaining boys' dormitory and the three girls' cottages relate color-wise in a similar manner to that previously described. They do differ, however, in that the sleeping areas are separate rooms designed primarily for single occupancy, with a few rooms designed to accommodate three people. In each sleeping room there is a water closet-lavatory combination. These units are also color coordinated to match and blend in with the wall color.

The complex has had a great influence on those children who have been in residence at the Diagnostic Center.

Subcontractors and Suppliers

Andrews Large & Whidden, Inc., Farmville, general contractor; Virginia Metal Products Div., Gray Mfg. Co., Orange, demountable partitions; Joshua Swain & Co., Inc., Portsmouth, ceramic tile.

From Richmond were: Southern Materials Co., Inc., ready mix concrete; C. A. Guard Masonry Contractor, Inc., masonry; Bethlehem Steel Corp., reinforcing steel; Republic Steel Corp., steel roof deck; Terminix Engineers, soil poisoning & exterminating; N. W. Martin & Bros., Inc., roofing & insulation; Economy Cast Stone Co., stone work & cast stone; The Staley Co., Inc., windows, metal screens & detention screens; Sash, Door & Glass Corp., glazing & glass; M. P. Barden & Sons, Inc., painting; Consolidated Tile Co., acoustical & resilient tile; A. Bertozzi, Inc., lath & plaster; Miller Mfg. Co., Inc., millwork; Graybar Electric Co., Inc., lighting fixtures; Ben Collier, Inc., electrical work; Capital Mechanical Contractors, Inc., plumbing, air conditioning, heating & ventilating; Guy Smith Hardware, hardware; Redford Brick Co., Inc., supplied brick.



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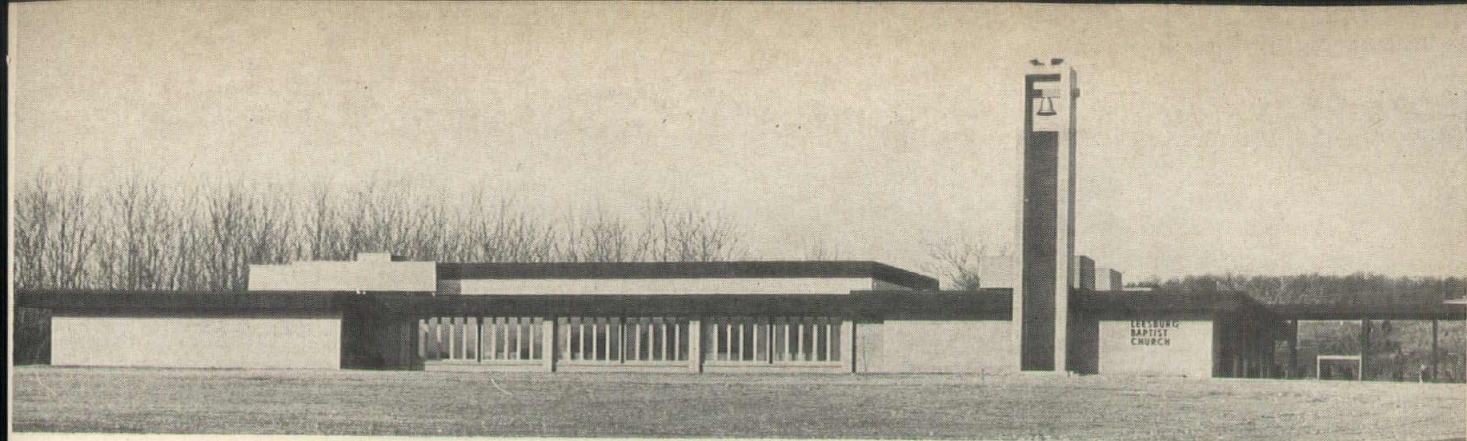
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Architects & Interior Design

STRICKLER ASSOCIATES
Consulting Engineers, Mechanical

TRI-COUNTY CONSTRUCTION, INC.
General Contractors

FORTUNE, DOWNEY AND ELLIOTT
Consulting Engineers, Structural

ROBERT J. BURNS, JR. OF WARD AND HALL
Photography

THE LEESBURG Baptist Church is a long-established church in this community. Several years ago the church determined that their downtown location was too limited in space and expansion potential to allow them to continue to effectively serve their membership. At that time the church purchased a ten acre site on the western edge of the Town of Leesburg and voted to sell their downtown property and move to the new site. The building design and construction on the new property as represented by these photographs, is Stage One of a potential three stage master development plan. A high roof sanctuary will be built next between this building and the front road, and additional classrooms will be constructed at the rear of the present building around an open courtyard.

The interior of this building provides the multi-purpose room shown herewith, which serves as temporary worship space with baptistry, dining hall and activity room. When Unit two of the building program is completed, the present temporary worship space will be used entirely as multi-purpose activity space.

Also included in the present building are pastor's and church offices, classrooms for all ages, and complete kitchen facilities.

Subcontractors and Suppliers

Tri-County Construction, Inc., Alexandria, general contractor, foundations, concrete, carpentry, waterproofing & weatherstripping; T. J. Crouch & Son, Loudoun County, excavating; Kenneth Lee, Leesburg, masonry; James Steel

Fabricators, Inc., Alexandria, steel, steel roof deck & steel grating; Carroll Concrete Construction Co., Winchester, pre-stressed concrete; Virginia Roofing Corp., Alexandria, roofing Pella Window Planning Center, Fairfax, windows; James H. Carr, Inc., Arlington, structural wood; Associated Glass Co., Inc., Fairfax, glazing; John Cross, Arcola, painting; Davenport Insulation, Inc., Springfield, insulation; Hillmuss Enterprises, Burke, acoustical; Ward & Dowell, Inc., Silver Spring, Md., ceramic tile; Marty's Floor Covering Co., Inc., Alexandria, resilient tile; Arlington Woodworking & Lumber Co., Inc., McLean, millwork; Fries, Beall &

Sharp Co., Springfield, steel doors & bucks; Dominion Electric Supply Co., Inc., Arlington, lighting fixtures; George J. Hyatt, Lovettsville, electrical work; McCann Plumbing and Heating, Inc., Leesburg, plumbing; J & W Contractors, Inc., Woodbridge, air conditioning, heating & ventilating; Hardware Contractors, Inc., Arlington, hardware; J. T. Hirst & Co., Inc., Leesburg, rough lumber; Perry Engineering Co., Inc., Leesburg, crane service; Crider & Shockey, Inc., Winchester, furnished all concrete; Tri-County Asphalt, Inc., Leesburg, paving of parking lot; and, Lucketts Cabinet Works, Lucketts, kitchen cabinets.





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200 NORTH GLEBE ROAD INC., General Contractor

THIS PROJECT is located near the intersection of Arlington Boulevard and Glebe Road; the circulation hub of Arlington County.

The building is situated on a 2½ acre site which is well landscaped to provide a park like atmosphere to enhance the essentially suburban characteristics of the project.

The building is 10-stories tall, each floor containing 14,800 gross square feet. Parking is provided "on-site" as well as in two, below street level, garages each approximately 40,000 square feet in area and accommodating 286 of the total 450 spaces provided. There are four fully automated, high-speed elevators serving approximately 135,000 square feet of rentable space.

Structurally, the building is reinforced concrete below grade and structural steel above. The exterior is precast concrete and glass. The precast concrete spandrels, in addition to their function as exterior walls, also house a portion of the mechanical equipment thus providing a flush interior wall surface which gives full tenant use of the space without obstruction.

Interior office spaces are practically maintenance free. The exterior walls are glass and metal; interior partitions are vinyl covered. Floors are carpeted. Ceilings are acoustical and coffered. They combine fire protection, acoustic treatment, lighting, return air, and supply registers all totally integrated within the ceiling system. Complete office planning flexibility is enhanced by the provision of underfloor electric and telephone ducts.

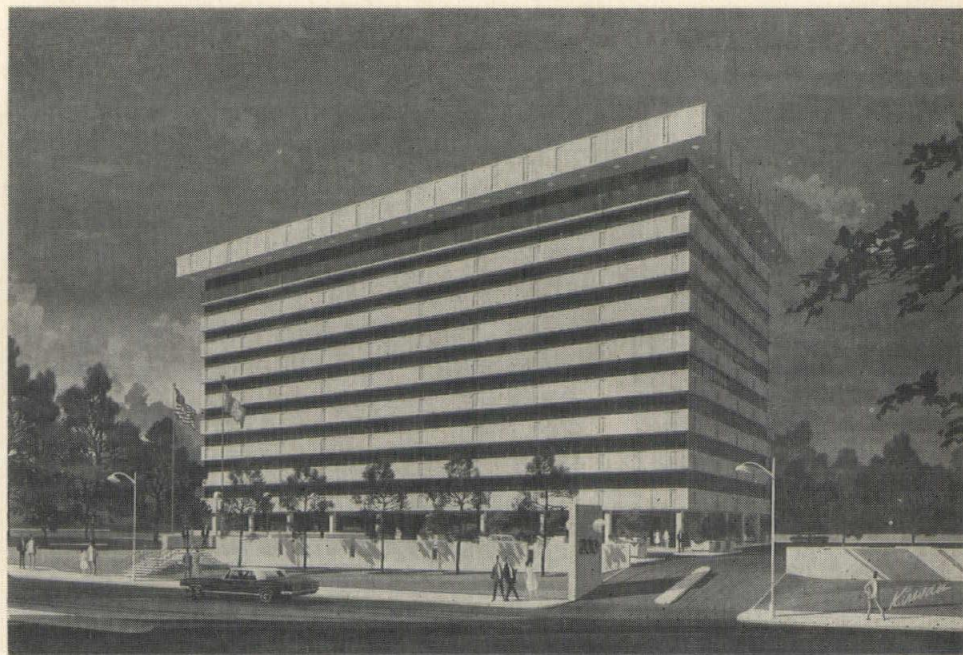
Heating and air conditioning is provided by a closed loop circulating system serving as a water source for electric heat pumps. Both interior and exterior zones utilize this system and provide simultaneous heating and cooling. The system functions somewhat as an energy recovery system. The energy

source for heating requirements is electricity, and the building is served electrically by underground service. Provision has been made for emergency production of power which not only allows continuous use of the emergency lighting system but emergency elevator service as well.

Subcontractors and Suppliers

200 North Glebe Road, Inc., Arlington, general contractor & carpentry; Morauner and Hartzell, Inc., Washington, D. C., excavating; Boothe Associates, New York, foundations; Wilkes Construction, Inc., Rockville, concrete; New Ken Masonry Corp., Silver Spring, Md., masonry; Howell Steel Service, Inc., Weldon, N. C., steel; Anning-Johnson Co., Alexandria, roof deck; American Stone, Inc., Arlington, pre-cast concrete; Commercial Windows, Inc., Rockville, Md., windows & glazing; B & B Welding

Co., Inc., Merrifield, structural wood; Jay Zirkle, Arlington, painting; Arlington Insulation Co., Merrifield, insulation; Southern Floors and Acoustics, Inc., Merrifield, acoustical & lighting fixtures; Edgar K. Jones, Jr., Inc., Arlington, plaster; McClary Tile, Inc., Alexandria, ceramic tile & terrazzo; Virginia Metal Products Div., Gray Mfg. Co., Orange, steel doors & bucks; Union Iron Works, Herndon, handrails; Mosher Electric Corp., Arlington, electrical work; American Standard, Silver Spring, Md., plumbing fixtures; William W. Gardner, Silver Spring, Md., plumbing; American Standard and The Smith Empire Corp., Silver Spring, Md., air conditioning, heating & ventilating; Armor Elevator Co., Inc., Washington, D. C., elevator; W. T. Weaver and Sons, Inc., Washington, D. C., hardware; and, Hill's Nursery, Arlington, landscaping.





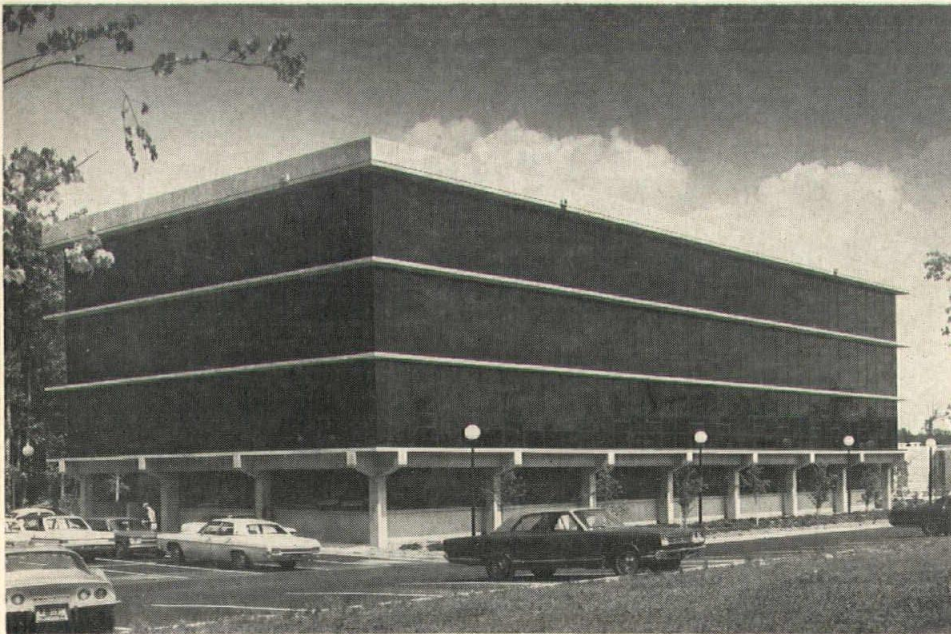
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General Contractors, Drew Building

(Photos by J. Alexander)



RISING land costs in densely populated Fairfax County have created the need for the architectural design of economic, multi-use office space to accommodate expanding business and governmental facilities. This problem requires a program of creative design and strict scheduling procedures that provides interior floor space flexible enough to house a variety of tenants.

The demands of time, scheduling, economy and flexibility have led to an increase in the number of owner/contractors in the field of investment building. The recently completed Dataran Building located in Vienna, and the Drew Associates Building in Falls Church, represent close cooperation between Vosbeck Vosbeck Kendrick Redinger, architects and engineers, and the owner/contractors, Clarence W. Gosnell, Inc. and Drew Associates.

During the design development of both buildings, the most difficult task was to satisfy the space flexibility requirement. The interior circulation



N NORTHERN VIRGINIA

RICK REDINGER
 ineers

patterns and exterior design forms had to be fluid enough to meet structural and mechanical/electrical needs, yet specialized enough to satisfy individual tenant requirements.

Datran Building

Located at 1920 Aline Avenue in Vienna, the three story Datran Building is constructed of glazed brick and trowelled marble. The design challenge was to create a flexible structural and interior design that would permit the addition of a five-story facility in the second phase now being constructed.

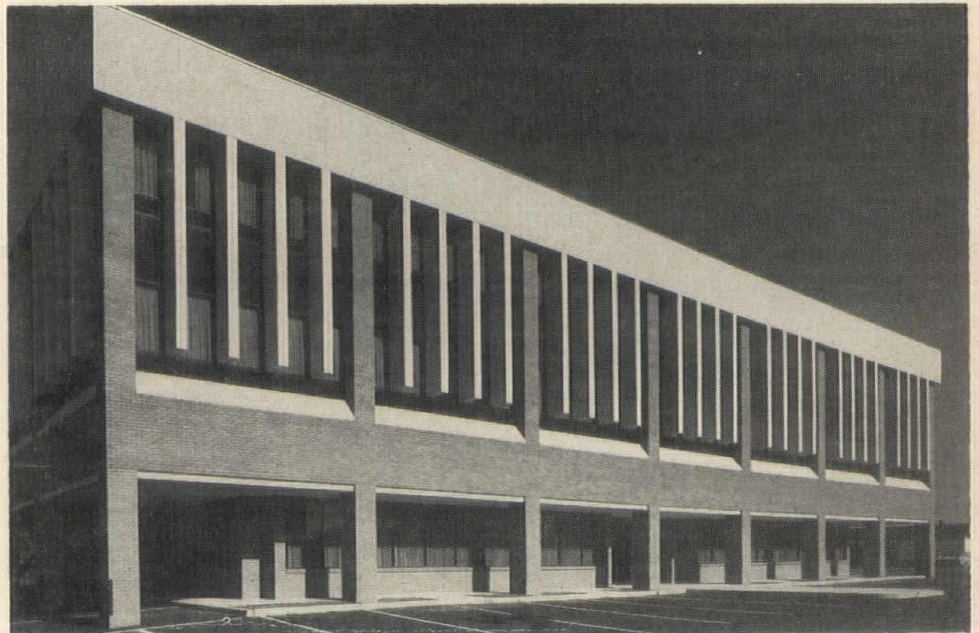
The structural design solved the flexibility requirement by locating the mechanical/electrical systems on the roof of the building. Through the use of movable, drywall partitions interior flexibility was achieved. The building provides a useable floor area of 30,072 square feet.

The ground level parking facility, with a capacity of 99 spaces, was de-

(Continued on page 87)

CLARENCE W. GOSNELL, INC.
 General Contractor, Datran Building

(Photos by I. Alexander)



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MILTON GLASER ASSOCIATES, INC.
Interior Designer

WILL AND COSBY, INC.
General Contractor

IN LATE summer of 1970, Luck Quarries Incorporated held an open house at their newly completed home office building in Goochland County at Manakin. The company's move from Portland Place in the eastern end of

Windsor Farms, in Richmond, where they have maintained their offices since 1922, provided a more nearly central location to their six quarries in Fairfax, Rockville, Manakin, Charlottesville, Staunton and Burkeville. In addi-

tion to the aforementioned quarries, the company operates asphalt plants in Richmond and Fairfax and a stocking yard in Newport News.

The one story, "L" shaped building overlooks the James River and Pow-

hatan County from its prominent position atop a high hill adjacent to the site of the company's Boscobel Quarry. The executive offices have an uninterrupted view of this majestic panorama.

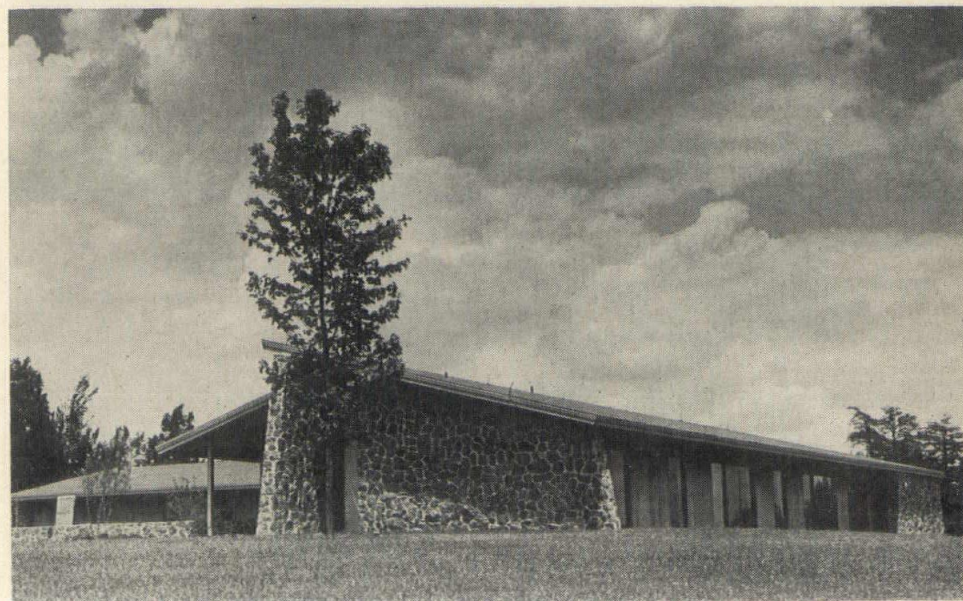
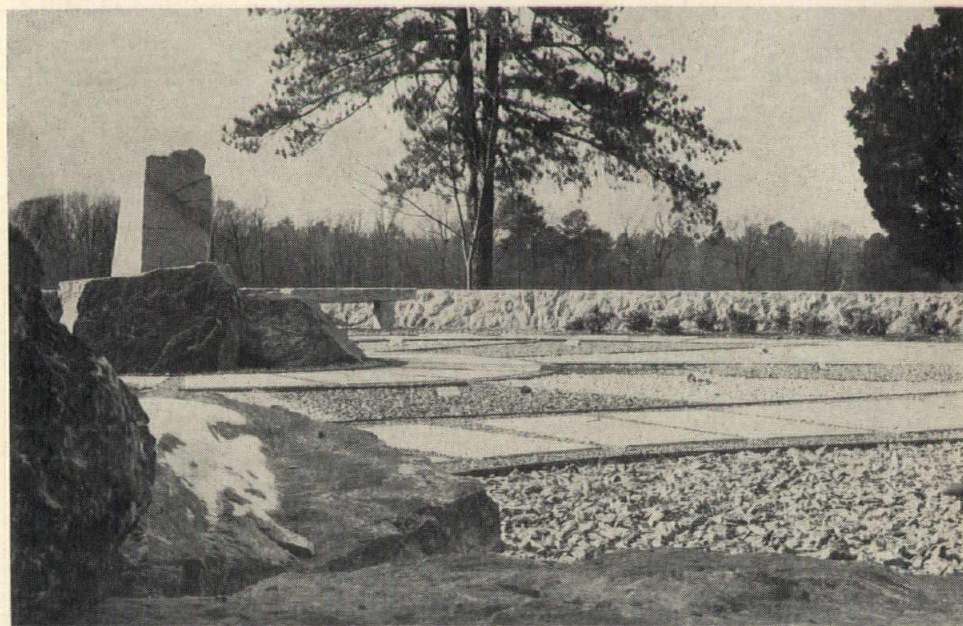
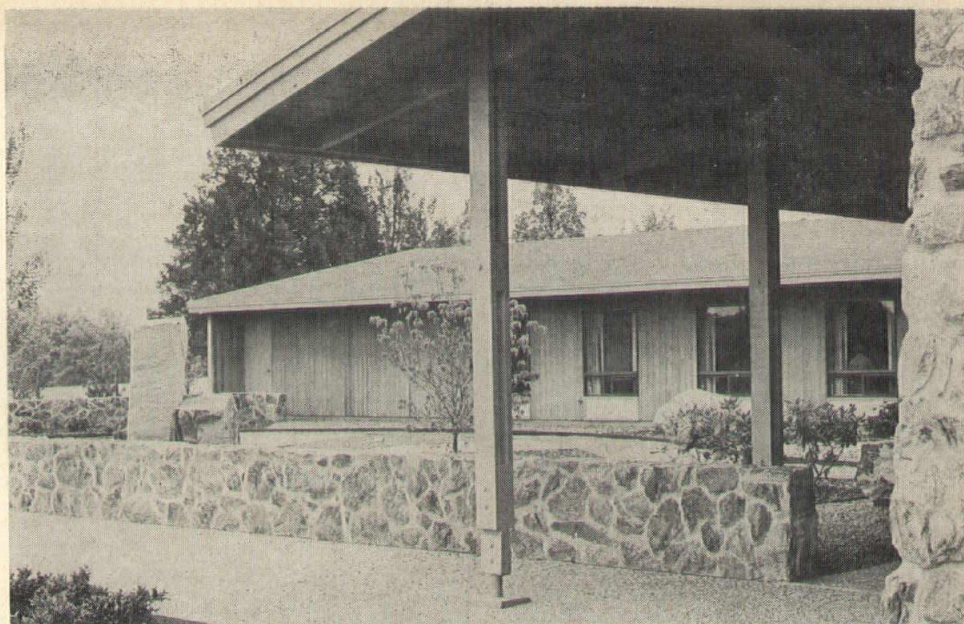
A prominent feature of the residentially scaled office structure is the employment of the company's stone products in its construction and enrichment. A high wall of Albemarle Greenstone from the Charlottesville plant provides the visual "backbone" to the structure, as well as separating the executive office from the general offices, and luncheon room. At the intersection of these two wings, walls of exposed stone and glass define the conference room. The Albemarle Greenstone, in crushed form, was also employed as a roof covering. Vertical redwood siding and metal windows completes the palette of materials used on the exterior.

The most striking feature of the building is probably its approach via covered walkway which leads the visitor along the edge of a landscaped courtyard in which crushed stone from all of the company's 6 quarries is tastefully employed in a design which affords the visitor a pleasant opportunity to inspect the company's products.

A pleasant working environment is maintained year around by means of electrical air conditioning equipment.

Subcontractors and Suppliers
(Richmond firms unless otherwise noted)

Will & Cosby, Inc., general contractor & carpentry; P. E. Eubank & Co., excavating; Delta Construction, Inc., concrete; C. A. Guard Masonry Contractor, Inc., masonry; Cruickshanks Iron Works Co., steel; Terminix Engineers, exterminating & weed control; R. Willison Roofing Co., roofing; Luck Quarries, stone; W. H. Stovall & Co., Inc., windows; Miller Homes Division of Miller Mfg. Co., Inc., structural wood; Richmond Glass Shop, Inc., glazing; James G. Rose Co., insulation; F. Richard Wilton, Jr., Inc., acoustical; John DeGaetani, Inc., drywall; John H. Hampshire, Inc., resilient tile; Miller Mfg. Co., Inc., millwork; Cornell & Waldbauer, electrical work; Reames & Moyer, Inc., plumbing, air conditioning & heating; Tom Jones Hardware Co., Inc., hardware; W. R. Stansbury & Brother, Rockville, painting; and, Watkins Nurseries, Midlothian, plant material.



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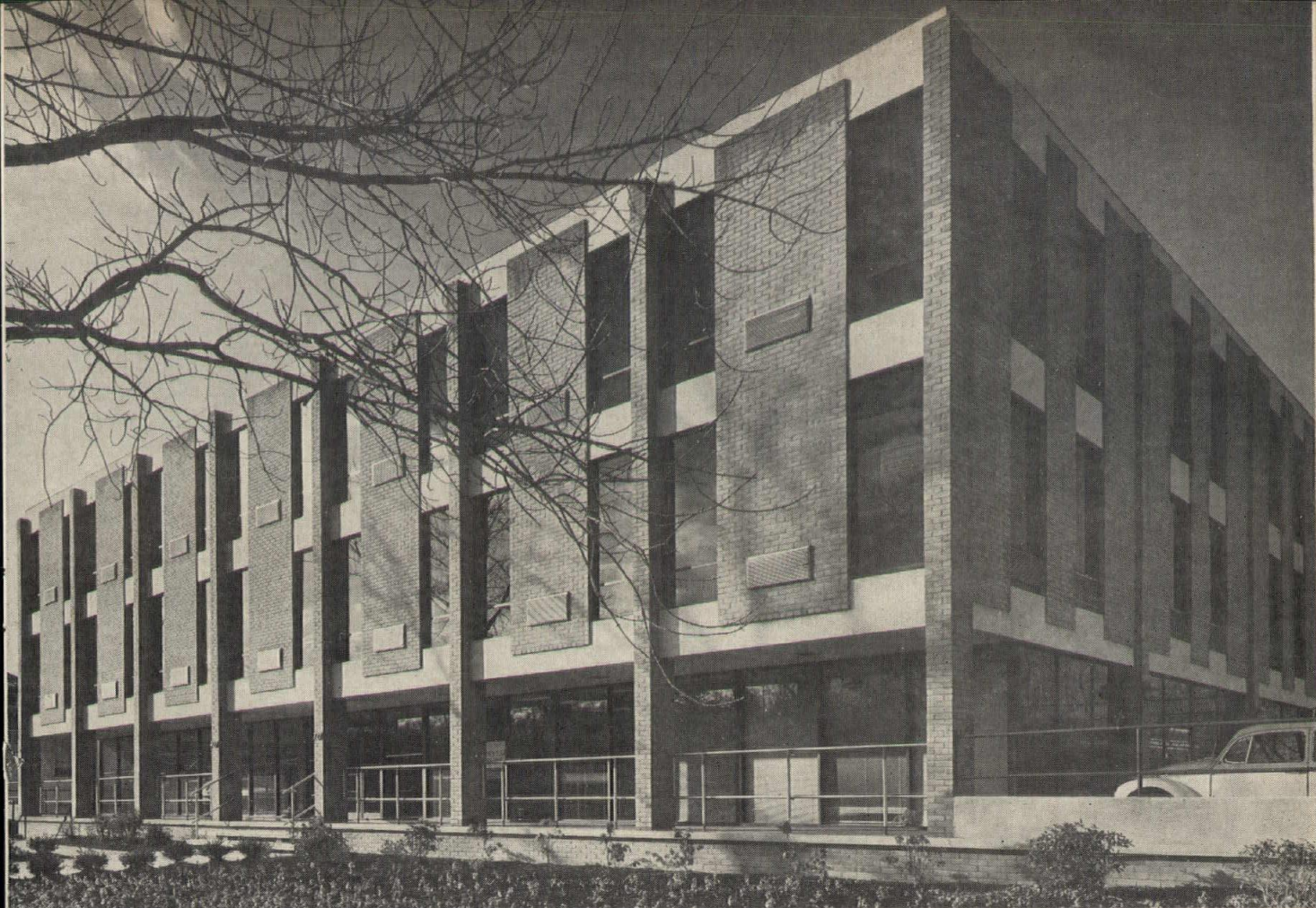
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SITUATED IN the heart of Arlington's rapidly expanding government and business center, the 727 Office Building is within walking distance of Crystal City, Jefferson Plaza, Arlington Industrial Park, and minutes from the Pentagon. 727 is just off Route #1 on 23rd Street South and is within one mile of National Airport.

The 727 Office Building offers 20,000 square feet of office space on three floors. A lower level provides safe convenient off-street parking.

The project provided an opportunity for the architects to design a structure which would be in scale with its primarily residential environment. Complete landscaping in conjunction with the subtle hues of the brick and exposed aggregate exterior, contribute greatly to the realization of this goal.

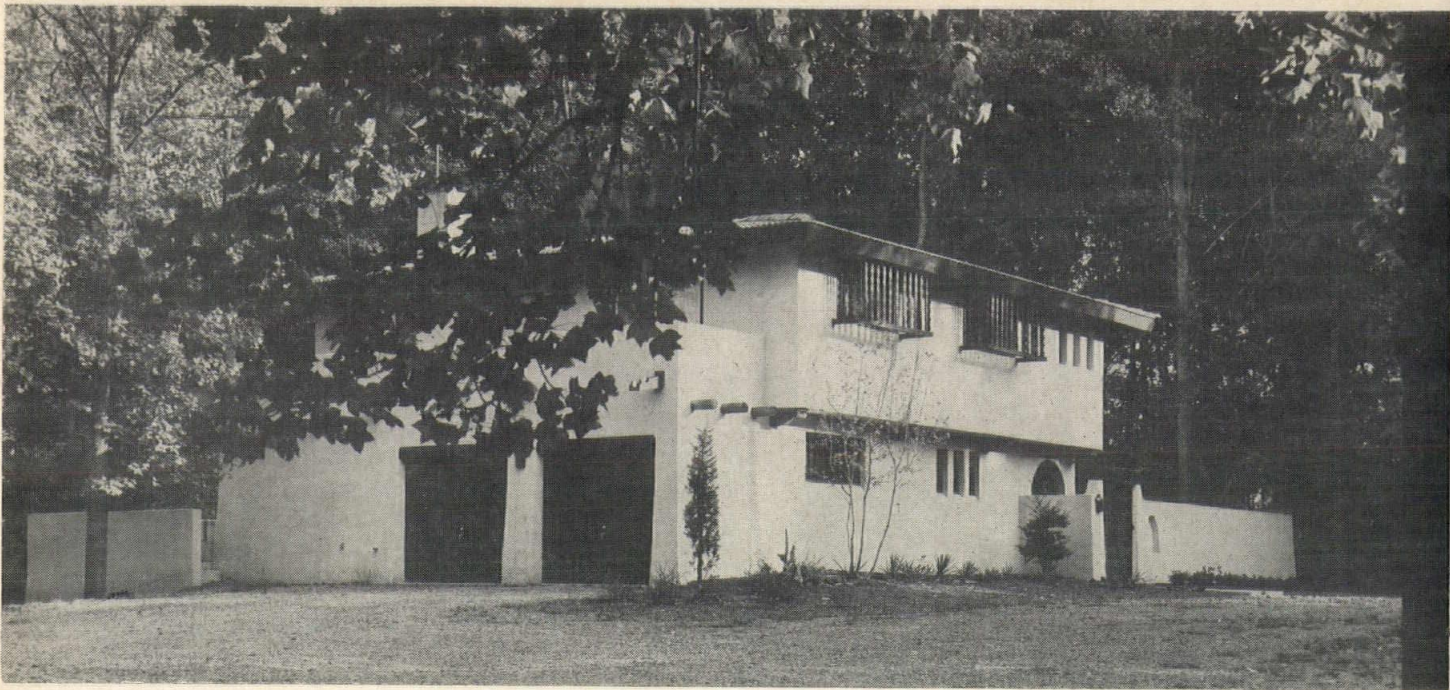
Individual office climate control is facilitated through the use of perimeter heating, ventilating and air condi-

tioning units which are supplemented by an interior zone system.

Subcontractors and Suppliers

Burroughs and Preston, Falls Church, general contractor, excavating, foundations, concrete, masonry & carpentry; Ace Wrecking & Building Material Co., Washington, D. C., demolition; Southern Iron Works, Inc., Springfield, steel; W & W Fabrication, LaPlata, Md., steel roof deck; Trowbridge Steel Co., Inc., Sterling, rebar; Rose Brothers Co., Arlington, roofing; Mileham and King, Inc., Washington, D. C., venetian blinds; Crossly Window Corp., Miami, Fla., windows; Colquitt Sprinkler Co., Inc., Alexandria, sprinkler system; Wilcox Caulking Co., Lorton, caulking; Nelson Maffett, Springfield, painting; Klon Row, Washington, D. C., toilet partitions; Virginia Plate Glass Co., Falls Church, store front; Prospect Industries, Inc., Arlington, waterproof-

ing; Renshaw Roof Decks, Inc., Beltsville, Md., light weight concrete; Anning Johnson Co., Alexandria, acoustical; Dodd Brothers, Inc., Merrifield, drywall; Stevens Tile & Marble Co., Inc., Kensington, Md., ceramic tile; Fairfax Tile & Linoleum Co., Inc., Fairfax, resilient tile; Wheeling Corrugated Co., Wheeling, W. Va., slab-forms; H. H. Robertson Co., Washington, D. C., Q decks; Fries, Beall and Sharp Co., Springfield, steel doors & bucks; Continental Corp., Falls Church, lighting fixtures & electrical work; American Standard, Silver Spring, plumbing fixtures; Baco Co., Inc., Alexandria, plumbing, air conditioning, heating & ventilating; Whiting Elevator Co., Inc., Washington, D. C., elevator; Lester's Hardware, Springfield, hardware; Campbell and Ferrara Nurseries, Inc., Alexandria, landscaping; and, paneling by U. S. Plywood.



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(Photos by Cooks Photo Art Studio)

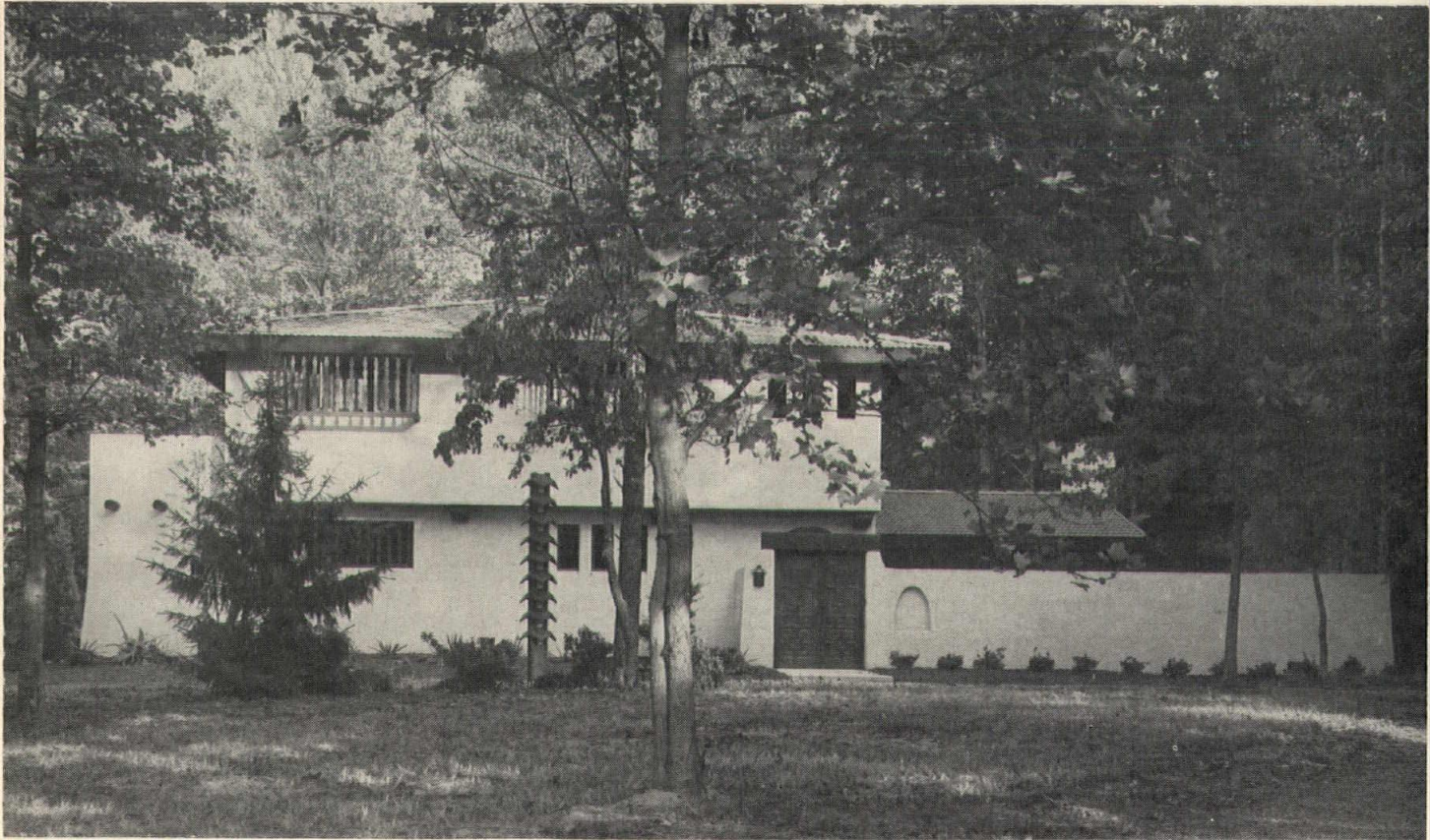
Architects

Consultant & Interior Designer

Consulting Engineer, Mechanical

Consulting Engineers, Structural

General Contractors



IN THE Stuart Mill Acres area of Northern Virginia which has retained its equestrian identity is the southwest adobe styled house that Will Daniels designed and built for himself, his wife, and their three children. They call it "La Escondita" which means The Hideaway.

The design of the house evolved to a certain extent while Mr. Daniels was

covered with a special textured coating, which simulates stucco in appearance. However, the special coating has a certain elasticity which avoids the cracks generally associated with stucco. The roof is surfaced with red, interlocked concrete shingles to simulate mission tile.

The house is entered through a pair of handcrafted Spanish gates which

lead into the foyer-core. This foyer, which contains the main stairway, acts as a circulation point located so as to allow flow to all areas in the house without having to enter any other room. This design not only allows complete freedom for family and house guests alike but, maximum privacy as well.

Solid railings of the same rough



in the process of executing certain architectural commissions in the southwest for the firm of Kohler-Daniels Associates of which he is a partner. Specifically, while in Taos, New Mexico, Mr. Daniels became intrigued by the primitive textures, sculptural details and elegant use of simple, easy-to-care-for materials which he has endeavored to utilize in establishing the character of his own home—both inside and out.

The exterior walls of the house consist of concrete block and wood frame,

lead one through an arched arcade flanked by a well landscaped, formal garden court. A fountain located at the axis of the courtyard is accentuated and enhanced by a stucco privacy wall which in turn defines the limits of the entrance court on two sides. The other sides are contained by the house walls allowing a view of the garden from the living room, guest bedroom, as well as a private balcony from the master bedroom on the upper level. At the end of the arcade described above is a duplicate pair of doors from Spain that

plaster found throughout the house contrast pleasantly with the open riser treads to form a unique stairway design. Another interesting feature viewed from the foyer is the overall design of the sunken living room containing a sculptured fireplace with niches to receive primitive artifacts. The living room, dining room, and kitchen roof vigas (rafters) are telephone poles exposed inside and outside, over which is applied three-inch

(Continued on page 87)

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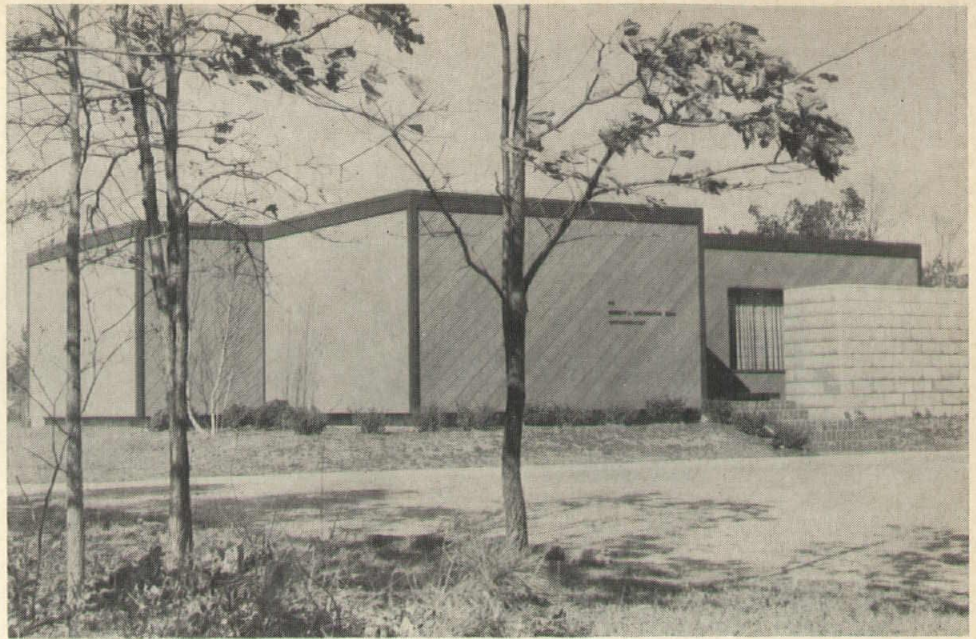
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ORTHODONTIST'S OFFICE PETERSBURG

AN OFFICE FOR a young orthodontist, this facility is located in Petersburg. Design objectives were to construct a small functional building on a limited budget, with flexibility for the growing practice of Dr. Robert L. Grossmann. The site is a small flat lot surrounded by stylized commercial buildings.

The exterior design is purposely understated so as not to compete with surrounding structures. Exterior walls are diagonal redwood with dark trim. Extensive glass areas in all rooms provide outlooks to gardens enclosed by unpainted concrete block walls.

Floors are carpeted in a natural gray brown with white walls, ceiling and trim. Furniture and cabinet colors, paintings, draperies and lighting provide interior decoration.

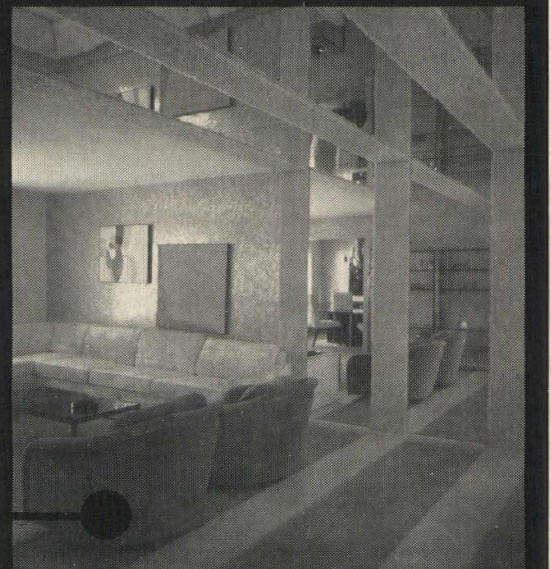
Subcontractors and Suppliers

Spector Construction Co., Petersburg, general contractor; Laird's Nurseries, Richmond, landscaping; Robertson-Sturt, Matoaca, masonry; W. D. Wall Sheet Metal Shop, Ettrick, roofing & heating; Redford Brick Co., Inc., Richmond, supplied brick; Colonial Hall Drywall, Colonial Heights, drywall; Sherwin-Williams Co., Colonial Heights, resilient tile; James M. Adkins, Inc., Petersburg, electrical work; R. E. Bishop Plumbing & Heating; Colonial Heights, plumbing; Climax Dental Supply, Inc., Richmond, dental equipment; and, furniture by Knoll Associates.

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Consulting Engineers, Mechanical & Electrical

W. & J. SLOANE & COMPANY
Interior Decorator

BRUCE SCOTT CONSTRUCTION
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MEMBERS of Westwood Country Club in Vienna are enjoying their recently completed addition and interior alterations. Designed by Barkley Pierce Associates of Falls Church, this 2,000 sq. ft. addition to the main dining room is the first stage of an expansion program planned for the future.

In addition to the expanded dining facilities, numerous interior alterna-

tions have been completed including a new dance floor and band stand, re-decorated lobby, lounge and cocktail bar by W & J Sloan and Company, decorators, who also supplied the interior furnishings.

The new structure was constructed by Bruce Scott of Falls Church over an existing concrete balcony opening off of the existing dining room. New footings were poured beyond the outer

face of the balcony to support steel columns which rise past the balcony to the new roof. The steel columns and roof fascia panels were covered with metal lath and stucco.

A bronze anodized aluminum and solar glass curtain wall was suspended between the columns and extended from the roof down to the balcony level. The area below the existing balcony was left open for access by golfers



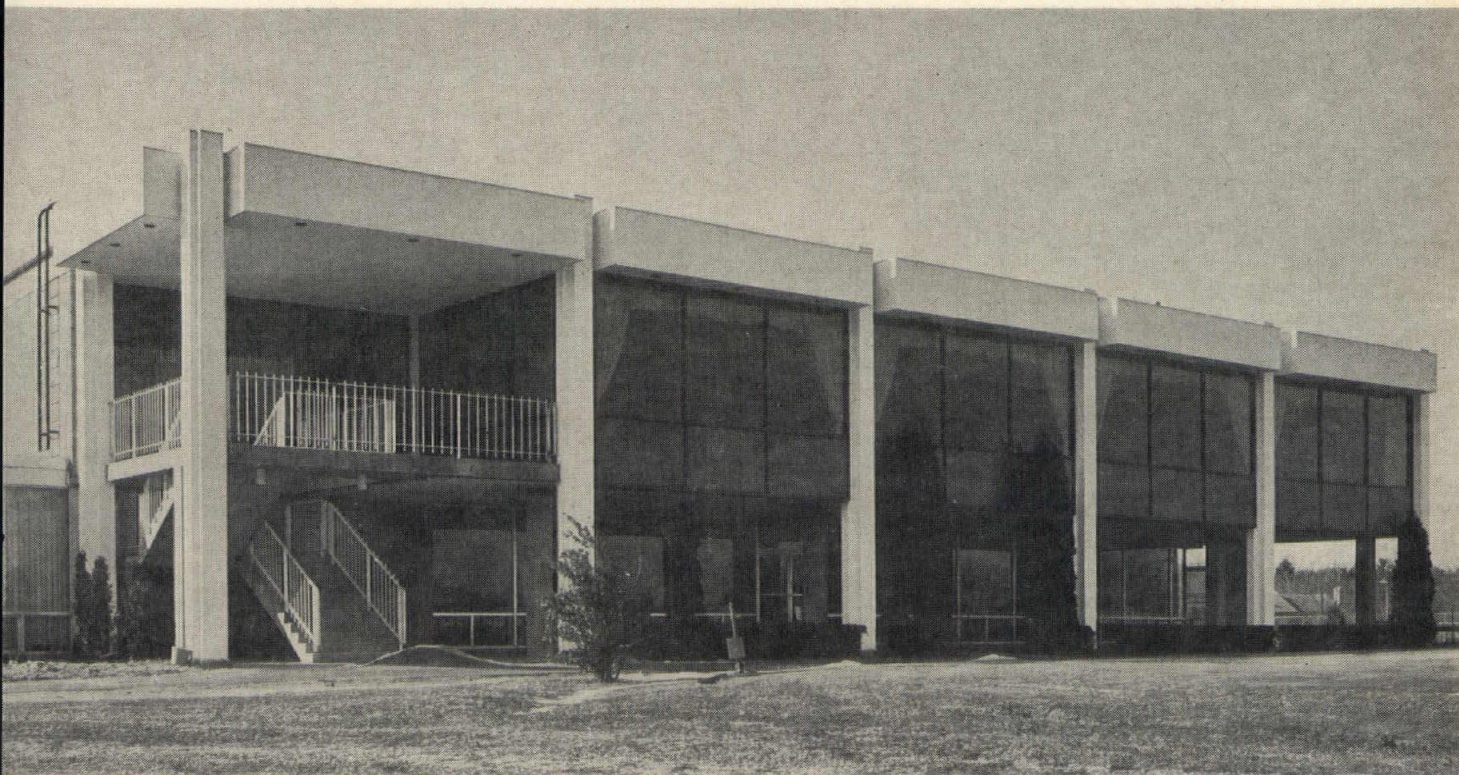
entering the lower level pro-shop, locker rooms and grill room.

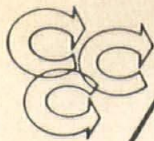
An existing exterior stair from the balcony outside the new dining room to the lower level was left open, but covered by the new roof. From this room with its northern exposure one obtains a dramatic panoramic view of the golf course.

Interior finishes include wall to wall carpeting, textured vinyl wall fabric and acoustical plaster ceilings. A supplemental roof-mounted air conditioning unit was added for the expanded dining room. Custom millwork included a new bookmatched walnut trophy case, paneled bar enclosure with new shelving, and a new stage and band stand.

Subcontractors and Suppliers

Bruce Scott Construction, Inc., Falls Church, general contractor; Virginia Concrete Co., Inc., Springfield, concrete; James Steel Fabricators, Inc., Alexandria, steel & steel roof deck; Rose Brothers Co., Arlington, roofing; Door and Sash Co., Alexandria, glass & glazing; Page Kerlin, Alexandria, painting; Davenport Insulation, Inc., Springfield, insulation; Dodd Brothers, Inc., Merrifield, drywall & stucco; Arlington Woodworking and Lumber Co., Inc., McLean, millwork; L. T. Bowden, Inc., Vienna, electrical work; W. T. Imlay Co., Merrifield, air conditioning, heating & ventilating; W & J Sloane, Inc., Washington, D. C., furnishings.





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The Pre-Convention Bulletin will be in the mail to all members including program data, registration information and forms, and other pertinent details.

Megastructure Community Wins Reynolds Awards

■ A megastructure community on stilts with moveable modular houses, designed in concept by two University of Arkansas students, has been honored with the \$5,000 national award in the 1971 eleventh annual Reynolds Aluminum Prize for Architectural Students.

The prize was announced in March by The American Institute of Architects, which administers the program. This \$5,000 award—divided equally between the student team and the university—will be presented during the AIA convention in Detroit June 20-24.

The student winners are Rick W. Redden, 22, of Fort Smith, Ark., and Hugh L. McMillan, 30, of Little Rock. Both are seniors.

Their megastructure community, entitled "Community of Choice" because of its flexibility in living arrangements, consists of clusters of residential and service modules nestled in a giant above-ground aluminum space frame. The residential modules are highly adaptable to individual preferences, with such homey features as fireplaces and picture windows optional.

Computer controlled transportation capsules would provide access for people and materials to all points in the community. All support systems are provided as an integral part of the community.

The students said they sought through their design to provide a new form of high-density community with a maximum range of choices for the individual while preserving essential community controls.

The AIA jury called the design "a proposal which is provocative, timely and imaginative."

to tell the Virginia Story

The winning entry was among those from 26 participating schools of architecture over the nation. Each of the entries had won a \$300 top prize in its own school.

The jury also awarded two \$1,000 Honorable Mention prizes.

Two graduate architectural students at the University of California, Los Angeles, won an Honorable Mention for what the jury termed a "delightful and playful use of aluminum" in a design entitled "Garden."


G. Stanton Mason, 26, and Joseph Valerio, 23, submitted the "Garden" concept based on free-form outdoor

designs created by placement of 200 eight-foot-long strips of aluminum sheet in the soil. Noting that this project does not involve building components, the jury praised the "free spirit" of the design and added: "Sensitive and intuitive forces of the designers are evident, but the design is also viewed as a participatory experience."

Students Mason and Valerio said of their concept: "The philosophy of a garden is the antithesis of present uses of aluminum. A garden provides spatial definition to a finite area without separating one from the whole. A


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garden is a medium through which one can become aware of himself and his surroundings."

The other Honorable Mention was won by Leon Goldenberg, 23, of Chicago, a student at the University of Illinois, Urbana, for his design of a "Demountable Zoo Complex."

Primarily the design provides aluminum walkways above a zoo to permit viewing of the animals in a natural setting. Terming it a "playful yet practical" structural system, the jury added: "The minimum ground disturbance and usurpation suggests an unusual respect for ecology which might be applied to many building types."

Jury members were chairman John Desmond, FAIA, of Baton Rouge, La.; George Anselevicius, AIA, dean of the School of Architecture, Washington University, St. Louis; and William E. Blurock, FAIA, of Corona Del Mar, Calif. Joe Y. Eng, a graduate student at University of California, Berkeley and a recipient of the 1970 national prize, was student observer.

The Reynolds Aluminum Prize for Architectural Students is offered annually for "the best original architectural design in which creative use of aluminum is an important contributing factor." It is sponsored by Reynolds Metals Company.

AIA BOARD MOURNS DEATH OF ANTHONY ADINOLFI

■ The memory of Dr. Anthony G. Adinolfi, Hon. AIA, the man who headed the New York State University Construction Fund, was honored by The American Institute of Architects' board of directors, meeting on April 2. His death, at the age of 40, came on the first day of the spring board meeting, March 31.

A resolution of the board recalled AIA's election of Mr. Adinolfi to honorary membership in the Institute in 1964 and its awarding of its Citation of an Organization to the New York State University Construction Fund in 1969.

The resolution said:

"The Board of Directors of The American Institute of Architects mourns the death on March 31, 1971, of Dr. Anthony G. Adinolfi, a sensi-

tive and dedicated educator whose accomplishments through the past decade helped enrich the learning and living environments of thousands of college students.

"As manager of the New York State University Construction Fund, he was the guiding force in its selection of architects to bring a consistent and high quality of design to the campuses of the state university system.

"In 1964 the AIA was honored to receive him as an honorary member, and in 1969 the Institute cited the organization he headed for its remarkable achievement in maintaining the highest standards of environmental quality.

"His loss, at an early age, is tragic. But the impact of his work will be felt for many, many years by the students of New York State."

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EIGHT HONORARY FELLOWS NAMED

■ The Board of Directors of The American Institute of Architects have announced that eight foreign architects have been elected Honorary Fellows of AIA, the 24,000-member national professional society.

They are: Gordon R. Arnott, Canada; Carl Auböck, Austria; John Michael Austin-Smith, England; Jacques Barge, France; Gustavo Gallo Carpio, Mexico; Balkrishna Vithaldas Doshi, India; Alex Johan Henri Maria Haak, Netherlands, and Kiyonori Kikutake, Japan.

The eight will be invested during the 103rd annual convention of the Institute in Detroit, June 20-24, 1971. Only 155 other architects hold the title of AIA Honorary Fellow. The honor recognizes "architects of esteemed character and distinguished achievement who are not citizens of the United States and do not practice within the domain of the Institute."

Gordon R. Arnott, architect principal of the Regina firm of the same name, is President of the Royal Architectural Institute of Canada. A native of Winnipeg, Manitoba, he received a Bachelor of Architecture degree from the University of Manitoba in 1948. He later studied community planning and regional planning at the University of British Columbia, before joining the Aluminum Company of Canada for which he served as liaison architect and planner for several years.

In 1954, Arnott became a partner in the Regina firm of Izumi and Arnott, and 14 years later formed his present successor firm. A Fellow of RAIC and Honorary Member of the Mexican Society of Architects, he is a past president of the Saskatchewan Association of Architects. His firm is noted for several university institutional buildings, such as teaching and research laboratories, and it has completed major commissions for a wide variety of projects. Among these are the Western College of Veterinary Medicine at the Saskatoon Campus of the University of Saskatchewan, the recently opened 2,000-seat Saskatchewan Centre of the Arts in Regina and Midtown Plaza in Saskatoon.

Carl Auböck, Austrian architect whose work ranges from housing projects, shops, dormitories, factories, offices, churches, and banks in Austria, England, France, Poland, and West Germany, to industrial design, lecturing, and writing, was born in Vienna in 1924. He studied at the School of Architecture at the Technical Univer

sity in Vienna, where he received a diploma, and did post-graduate studies at the Massachusetts Institute of Technology.

In 1969, he served as a professor at the Technical University at Vienna, devoting himself to the development of teaching methods for environmental design. Auböck's industrial designs include stainless steel flatware, beverage glasses, ski bindings and boots, furniture, and other articles. He numbers among his awards a gold medal at the 1958 World Exhibition in Brussels, a number of state awards from the Austrian Ministry of Commerce, stainless steel awards from Canada in 1960, a gold medal for microscope NEOPAN at the 1964 Exhibition in Yugoslavia, and gold and silver medals from the XIII Triennale in Milan in 1964.

John Michael Austin-Smith, 52, is a Commander of the Most Excellent Order of the British Empire and a Fellow of the Royal Institute of British Architects. He studied at the Architectural Association School of Architecture and began private practice with his architect-wife in 1949. The Austin-Smith: Lord-Planners, Architects, and Designers firm today has seven partners and a staff of 50. He has been a member of the International Union of Architects (UIA) Council and the RIBA Overseas Relations Committee since 1969, and was on the UIA Professional Practice Commission from 1955-70. He also served as chairman or member of several other RIBA committees and, in 1963, was President of the Architectural Association.

Austin-Smith's firm's major architectural works include factories, low-cost housing, shops, offices, and schools, and their planning work the master plan for Warrington (Lancashire) New Town for the Department of the Environment, Town Centre Plan, urban renewal, and motorways and related urban environment studies. They also have done office space planning and product design graphics.

Jacques Barge, chief architect of Civil Buildings and National Palaces in France and member of the Academy of Architecture, is a Chevalier of the Legion of Honor. Awarded a diploma by the government in 1927, he has since designed a church, school cities, social centers, restaurants, and swimming pools. He won the 1936 competition for the design of the social center in Chateauroux, which was one of the first programs grouping medical, cultural, and social departments in one building. In the 1940's, he designed the National Meteorological Office and

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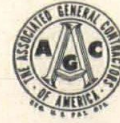
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other administration buildings, and as a town planner realized two urban districts. During the next 20 years, he completed many schools and universities.

Elected a member of Architecture at the Salon of French Artists in 1952, during that same year Barge became president of the 5th Regional Council of the Order of Architects and secretary general of the General Confederation of French Architects. He served as general commissioner of the 8th World Congress of the International Union of Architects in Paris in 1965, and the following year was elected General Delegate of the Liaison Committee of Architects of the European Common Market. Barge numbers among his awards a gold medal, 1937 International Exhibition in Paris; silver medal, French Archaeological Society in 1938; Croix de Guerre, 1939-40, and medal of honor, the Salon of Architecture of French Artists in 1955. In 1968, he was named Grand Medallist of Conseil Supérieur of the order of Architects.

Gustavo Gallo Carpio, President of the Mexican Society of Architects and the Mexican College of Architects, was born in Mexico City, August 4, 1921. He studied at the National School of Architecture for four years and was graduated from the National Autonomous University of Mexico in 1950. From 1943 to 1957, Gallo's professional activities included the design and supervision of several private and official buildings. Since that time, he has founded several building firms and continues to serve as chairman of many of them.

An honorary fellow of the Jamaican Society of Architects, his major works are residential and social housing, residential developments, apartment buildings, hotels, schools, office buildings, government buildings, hospitals (ranging in size from 125 to 500 beds), commercial units, factories, sport facilities, and airports.

Balkrishna Vithaldas Doshi, associate member of the Indian Institute of Architects and the Royal Institute of British Architects, was born in India in 1927. He was educated in Bombay, and from 1951-54, served as senior designer with Le Corbusier in Paris, and in 1954-57 supervised his work in Ahmedabad. The honorary director of the School of Architecture at Ahmedabad since 1962, Doshi has lectured at the University of California, Berkeley, University of Pennsylvania, and Harvard, and served on the faculties of the University of Pennsylvania, Washington University in St. Louis, and Massachusetts Institute of Technology. He

currently is lecturing at the University of Illinois.

His works include residences, industrial buildings, educational institutions, guest houses, banks, office buildings, hospitals and health centers, townships, and theaters. The author of more than two dozen articles which have appeared in professional journals in the United States, Greece, France, Japan, England, Italy, Switzerland, and India, Doshi delivered papers at the International Design Conferences in Aspen in 1962 and 1969, and at the World Design Conference in Japan in 1960. He received honorable mention in the design competition for the Toronto City Hall and was awarded a Graham Foundation Fellowship for Advanced Studies in the Fine Arts.

Alex Johan Henri Maria Haak, 41-year-old architect in the Netherlands, studied at the Institute of Technology Delft and received an M.A. degree in Architecture from the Harvard Graduate School of Design. During his military service in the Netherlands, he designed two monuments, one in La Courtine, France, and the other in Schaasbergen, Holland, and in 1960, he opened his own office in Delft. The following year, he was appointed by the Queen to lecture at the Institute of Technology Delft.

The founder of a research laboratory to study the psychological influence of materials on man, Haak currently is planning to set up a lighting laboratory to explore the influence of light, color, texture, and materials on the human mind. He has designed residences, banks, offices, shops, and the interior of four, 13,000-ton, motor cargo vessels. Presently, he is designing a shopping center, homes for youth clubs, and a town hall. A member of the city planning councils of Den Haag and Delft,

he is on the board of overseers of architectural committees at Delft and Wassenaar, and is a fellow of the Royal Institute of Engineers and the "Bond van Nederlandse Architecten."

Kiyonori Kikutake, designer of the Expo '70 Tower in Osaka and founder and director of Kikutake Architect & Associates, Tokyo, is a lecturer at Waseda University and director of the Urban Industry Co., Ltd. Born in Kurume, Japan, in 1928, he received a Bachelor of Architecture degree from Waseda University. While still an undergraduate, he won third prize in the design competition for the Catholic Cathedral of Peace in Hiroshima. Kikutake was a panelist at the 1960 World Design Conference and a lecturer at the Jyvaskyla Arts Festival in Finland in 1966. He is a member of the Japan Architects Association and the Architectural Institute of Japan.

Among his major works are the Shimane Prefectural Museum in Matsue, factory and employees' apartments for the Seconic Optical Instruments Manufacturing Co. in Tokyo, indoor gymnasium at Hitotsubashi Middle School, office building for the Izumo Shrine (for which he won three awards), Tatebayashi, Miyakonojo, Hagi, and Kurume City Halls, Hotel Tokoen in Yonago, Iwate Educational Hall in Morioka, Sado Grand Hotel in Ryoju, Iwate and Shimane Prefectural libraries, low-cost housing pilot project in Lima, Peru (for which he won the 1969 international design competition), Serizawa Literary Center, and Shimane Prefectural Martial Arts Training Hall in Matsue. The most recent of Kikutake's many awards was a special citation from the Architectural Institute of Japan for the layout and construction engineering of the Expo facilities.

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B.A.G. To Host Reception Honoring Young

■ The Michigan B.A.G. (Black Architects Group) will host a reception in Memory of Whitney Young former National Urban League Executive Director, designed to promote attendance of black architects at the American Institute of Architects National Forum in Detroit.

Since the 1968 AIA Portland Convention where Mr. Young made the principle address, there has been a growing interest in black involvement and social awareness within The Institute.

This year the Forum theme of the "Hard Choices" could be the pivot of all-out sincere actions by the architectural profession. "Blacks have a wealth of input in the decisions shaping our physical environment, especially in patterns of urban living" according to Roger Margerum, AIA, Chairman of the Michigan Black Architects Group and a member of the AIA Task Force on Professional Responsibility to Society. "We should influence the choices affecting those patterns whenever presented."

The reception will be held on Wednesday evening (June 23) of the convention week at the Berry Gordy Estate in Detroit. Forum panelists, clients of black architects, and local dignitaries will be special guests at the reception.

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WHITNEY YOUNG HONORED IN RESOLUTION

■ Meeting in Los Angeles, Calif. last month, the board of directors of The American Institute of Architects passed a resolution honoring the memory of Whitney M. Young Jr., the man who sparked the architects' nationwide program of professional assistance to minorities when he addressed their 1968 national convention.

The resolution, introduced by AIA vice president Robert Nash of Washington, D. C., the first black officer in AIA's 113-year history, said:

"Less than three years before his untimely death in March, Whitney Young told delegates to the AIA's Portland convention, 'Your profession . . . has not distinguished itself by your social and civic contributions to the cause of civil rights. You are most distinguished by your thunderous silence.'

"Our collective conscience was stung by those words, from a man with Mr. Young's deep personal and professional

commitment to that cause. In response, The American Institute of Architects undertook a program of Professional Responsibility to Society, conceived as a positive and practical means of enabling more members of disadvantaged and minority groups to become involved in the practice of architecture. Our profession's 'thunderous silence' was broken.

"In company with all of our fellow citizens, we now mourn the loss of Whitney Young, executive director of the National Urban League, who by his admonition and his example helped us to see and to act upon our obligation to minorities.

"Now therefore be it resolved that the Institute's response to Whitney Young's challenge—the Program of Professional Responsibility to Society—be rededicated as our memorial to him. What his words inspired us to begin, his memory must now inspire us to continue."

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Architects and Engineers Confer With Officials

■ Architects and engineers from throughout the country have been called on to support a federal law to supersede local codes restricting factory-produced housing.

In an address before the fourth annual Public Affairs Conference sponsored by The American Institute of Architects and the Consulting Engineers Council/USA, Rep. Bob Wilson (R-Calif.) told the 400 assembled A-E's that codes now enforced in 80,000 separate jurisdictions "were never intended to boycott safe products, or to hinder industrialization, or to work to the economic advantage of specific tradesmen."

The nation will never meet its housing needs and eliminate slums, he said, without drastic changes in building code laws. Wilson was one of a dozen congressional and federal agency leaders who addressed the architects and engineers at the two-day meeting held in Washington, D. C., March 3 and 4.

The program opened with an overall legislative recap by House Majority Leader Hale Boggs (D-La.) and Minority Leader Gerald B. Ford (R-Mich.), followed by a speech on new concepts and techniques in urban redevelopment and housing by Sen. Charles H. Percy (R-Ill.).

Texas Congressman Jack Brooks held out hopes that a bill backed by the architectural and engineering professions last year on the selection of A & E's on the basis of qualifications rather than fee would be revived if necessary. Rep. Lawrence G. Williams (R-Pa.) drew a round of applause with his announcement of plans to propose legislation to restore the recently-terminated HUD Advances for Public Works Planning Program.

The chairman of the House Public Works Committee, Rep. John A. Blatnik (D-Minn.), reviewed his committee's work and digressed from a prepared talk to exhort industry defenses of such programs as the federal-aid highway program. He said, "Engineers, architects, and the construction industry should combat those who would halt all highway building with the facts—the facts that highways have given

this nation the greatest mobility, flexibility, ease of living, and prosperity that any nation has ever known."

Luncheon speaker Murray L. Weidenbaum, Assistant Secretary of the Treasury, described the Nixon administration's views of the advantages of its revenue sharing proposals.

In the afternoon, the A & E's heard: Sen. Jacob K. Javits (R-N.Y.) proposing the establishment of a National Institute for Building Sciences; Rep. Morris K. Udall (D-Ariz.) advocating higher per diem payments to assure highest quality professional services, and Presidential Assistant Dwight A. Ink, Assistant Director, Office of Management and Budget, discussing the proposed reorganization of seven federal departments into four.

A "Meet Your Congressman" reception was held at the Smithsonian Institution's Museum of History and Technology in the evening, and the second day was left open for personal appointments on Capitol Hill.

AIA COMMITTEE ASSESSES OPERATION BREAKTHROUGH

■ The extremely compressed time schedule for HUD's Operation Breakthrough seriously limits attainable levels of the program's objectives and restricts it to merely an implementation program for new techniques. This is the view of a committee established by The American Institute of Architects to evaluate the program.

In a formal report just released, the AIA committee said: "There is precious little time for lengthy new development cycles. However, if no new physical system innovations appear in the finished products (hopefully, there may be one or two), several significant contributions still have the possibility of being made."

The committee, headed by Robertson Ward Jr., FAIA, Chicago, prepared the report, which is abstracted in the March issue of the AIA Journal. A future report will cover prototype sites and housing systems selected by HUD for Breakthrough projects.

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in the second of three phases of development, the government is providing stewardship in the application of industrialized techniques to the development of housing prototypes for the '70s, from the standpoint of land-use development, management reforms, cost controls, economic and social mix, and community involvement in the development process.

What could be the greatest single contribution, the report says, is the development of "process" and the creation of mechanisms to make it operational: as a process prototype, Breakthrough could have greater consequences for the housing industry than any specific "product" prototype resulting from the program.

Since the emphasis on process extends throughout the program's organizational structure, new skills, new people, and new money entering the housing field should benefit from "this more rational start," said the committee. This might, in turn, force more established industry members to upgrade their own operational structures.

HUD received more than 600 Operation Breakthrough prototype proposals—236 for complete housing systems and the rest for advanced research and development. In the final selection, only nine sites were chosen and matched

with an equivalent number of site planners and developers; 22 manufacturers were selected to provide systems for demonstration projects.

The avoidance of major metropolitan urban problem areas in selection of the sites was termed regrettable in the AIA report. It said another opportunity for relevance also is missing—the demonstration of intermediate densities (20-25 housing units per acre) typifying urban community scale. Instead, project densities are either of the suburban sprawl category (8-12 units per acre), or 30 or higher, the pattern of central city congestion.

Although the program's objectives of demonstrating advanced schemes of planning and community relationships are commendable, said the committee, actual proposals are generally disappointing, as measured against opportunities which might have been realized.

The committee was unanimous in condemning the imposition of too many different systems on each site. In no case, it said, is there the opportunity to demonstrate the virtues and flexibility of a particular system on a scale large enough to be compelling.

While HUD has developed performance standards and criteria for Breakthrough projects, they scarcely touch

on the critical areas of user needs, qualitative design, and habitability. This is an area, the committee said, where the architectural profession can play a key role in identifying basic design criteria through studies of the relationships of physical planning to social goals.

The committee urged AIA to endorse and lend professional assistance to the Operation Breakthrough effort. The program, it pointed out, should not be feared as a potential threat to the architect's function by a computerized housing industry. Rather, it should be regarded as an opportunity for the profession, because of differing roles which can be identified in the process the program exemplifies—criteria development, systems design, planning and utilization of systems, and evaluation of the process and its products.

Many mystiques are current regarding new directions of industrialized building systems and the future roles of industry and the architectural profession. The profession has a vital contribution to make, the committee concluded, in dispelling these by rigorously analyzing its own problem-solving role, by actively participating in evaluation of the new efforts and methods, and by establishing a constructive discourse with government and industry.

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FOR THE RECORD

April Specifier Views Concrete and Masonry

• The April CONSTRUCTION SPECIFIER, official publication of The Construction Specifications Institute has a concrete and masonry look as its three feature articles deal with subjects in those particular fields.

"Fiberglass Forming of Concrete" by Herman R. Hoyer, CSI and Clyde V. L. Pearson, CSI, is technical presentation showing the outstanding architectural aesthetics that are possible and cost savings available with the recent developments in concrete technology using fiberglass molds. This new technology offered with fiberglass molds permits structural concrete to be used as an honest design element. Hoyer is a practicing construction specifications consultant with office in San Francisco and he has prepared specifications for many noted projects in the U. S. and abroad and has earned fourteen awards in annual CSI Specifications Competition for his work. Pearson is a noted researcher and author of many technical articles which have been widely distributed, including "Automated Systems Study—1968." His extensive experience in the construction industry spans 40 years and includes service as a faculty member of six universities.

"The Shear Truth About Brick Walls," by R. W. Harrington, FCSI, former Manager, Masonry Institute, San Francisco and presently Executive Director, Construction Industry Advancement Fund, Burlingame, California reviews an extensive four-year research and test program on the resistance of brick wall elements to shear as measured by diagonal tension.

Joseph S. Putyrae, Vice President of Chemstop Manufacturing Corporation is the author of the article "How To Keep That Natural Concrete Look." This is a discussion designed to aid specifiers in the treatment of concrete surfaces in order to retain the natural beauty of the material.

The CSI Document in the April issue is titled SPECIFYING: RESILIENT FLOORING.

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Engineering Firm Admits Partner



• Charles D. Keffer, II, has been admitted as a partner in the firm of Sowers, Rodes & White-scarver, a Roanoke consulting engineering firm.

Mr. Keffer is a native of Roanoke, and received his mechanical engineering degree from Virginia Polytechnic Institute. He joined the firm in 1964, was made an associate in 1968 and senior associate in 1970. He is a member of the National Society of Professional Engineers and is president-elect of the Roanoke Chapter of the Virginia Society of Professional Engineers.

Mr. Keffer and his wife, the former Virginia Ann Connolly of Roanoke, and their two children, reside at 4813 East Hill Drive SW. They are members of Christ Episcopal Church.

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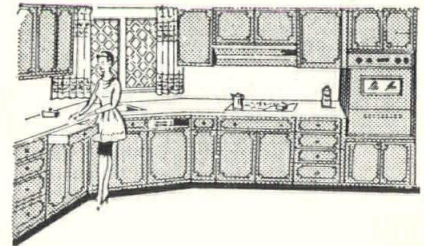
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100 City Survey Supports Optimistic Housing Prediction

A survey of housing experts in 100 metropolitan areas indicates that total housing starts of 1.7 million for 1971 still seems valid.

According to Alan W. Cox, market research manager for Owens-Corning Fiberglas Corporation, the survey covers expectations for the second quarter of 1971 as well as the total year.

He said that on the basis of latest compilations, single-family starts will increase 14% over 1970 while apartment activity is expected to be up by 2%. "This forecast, which is based on a survey made four times a year, has been remarkably accurate for several years," Mr. Cox said.

"Almost everyone predicted that 1971 would see a really significant turn around in housing activity," Mr. Cox said. "On the basis of the latest 100 city forecast, it looks as if they will be right."

Northeast Leads Recovery

Mr. Cox said the survey shows that single-family activity, the best recovery will be in the northeastern region of the country, followed by the South, central and Pacific areas. In apartments, the central region will show the biggest gains over last year with the east close behind. The southern and Pacific areas will show only modest increases in apartment construction, he said.

Almost half of the expected 1.7 million units built in 1971 will be part of some sort of government-supported program, Mr. Cox indicated. "These units will be smaller and less expensive and will require less labor, material, mortgage money and time to complete," he said.

Mr. Cox noted that despite the optimistic outlook for 1971, construction is still behind demand and considerably under the yearly quota of 2.6 million called for in the 1968 Housing Act.

COMPLETE DETAILS CSI'S TECHNICAL PROGRAM ANNOUNCED FOR 1971 CONVENTION

The Construction Specifications Institute announced the complete technical program for the Institute's 15th Annual Convention in Anaheim, June 7-9, in a colorful convention program booklet.

"The Changing Construction Scene," the keynote address, will be delivered by Robert J. Oster, Senior Economist Southern Division, Bank of America. Oster's address before the convention is expected to deal with the changes occurring within the construction industry which have taken place as a result of industrialization and automation; the changes necessitated by the production demands and the technical innovations of our society.

"Communications, The Computer and The Specifier" is scheduled as a panel session with Joseph H. McPherson, moderator and Paul Heineman, James A. Davis and Bruce Erts as panelists, and A. W. Cluff, FRIBA, SWAC summarizer. The session will present a brief historical background of Construction Communications; their involvement and importance and the long chain of information conveyance that occurs within the industry, including a session on new techniques being utilized for better, easier, and more effective communications.

"Tools for the Specifier" will be a presentation of the CSI and The Construction Sciences Research Foundation sponsored programs of COMSPEC® and SPEC-DATA® II, and a discussion of the possible expanded versions and uses of the SPEC-DATA concept and its linking with the COMSPEC program. The COMSPEC program is a CSRF development of a new computer language for construction specifications. Participating in this session will be Henry B. Baume, FCSI, a former Institute President and currently president of The Construction Sciences Re-

search Foundation, Richard Godwin, Senior Vice President, Pacific International Computing Corporation, and Charlie Wical and Conrad O'Connor, Information Handling Services.

"Do Your Own Thing" a unique innovation for the convention goes where the audience will be divided into work groups and actually experience and use master specifications and SPEC-DATA II and COMSPEC programs.

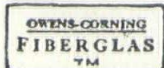
"Auxiliary Programs—New Tools" will be a presentation on new communications systems being successfully used in the construction industry; describing the "what", "why", "when", and "who"—from both the developer's and user's standpoint. Participants in this session will be Terrell Harper, FCSI, Stephen A. Kliment, and Ken H. Evans.

The final feature of the technical program will be the closing address by Arthur J. Fox, Jr., Editor, Engineering News-Record. "A Look into the Future or How We Can Harness the Tools For Our Use" will be the title of his presentation. It will cover future trends and directions in construction communications and how the new tools will be utilized by all members of the Plan-Design-Construct team.

The theme of the convention is "Construction Industry Communications" and the convention will follow the pattern of previous CSI conventions noted throughout the construction industry for being "working and learning experiences."

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**U.S. Dept. of Labor
Approves Additional
Funding For Ten
Va. Youth Programs**

The U.S. Department of Labor announced, in March, approval of additional funding for ten Neighborhood Youth Corps programs across Virginia to provide basic work experience for more than 150 high school youngsters. Regional Manpower Administrator Terrell Whitsitt said the department had approved the spending of \$31,540 with sponsors to provide 166 additional job openings for disadvantaged high school boys and girls between now and the close of the current school year.

The Neighborhood Youth Corps in-school program is designed to allow disadvantaged high school youngsters to work up to 15 hours a week during the school year in jobs that pay \$1.60 an hour. The youth acquire work experience in hospitals, parks, playgrounds, local government offices and schools.

The following NYC in-school programs received additional money to provide additional jobs:

- Charles City New Kent CAA, Providence Forge, \$2,850 for 15 jobs.
- Hampton Community Action Committee, Hampton, \$2,850 for 15 jobs.
- Fauquier Community Action Committee, Warrenton, \$2,850 for 15 jobs.
- Russell Co. Development Corp., Cleveland, \$2660 for 14 jobs.
- Floyd County School Board, Floyd, \$2660 for 14 jobs.
- Southeastern Tidewater Opportunity Project (STOP), Norfolk, \$4,750 for 25 jobs.
- Richmond Community Action Program, Richmond, \$3800 for 20 jobs.
- Mountain Community Action Program, Marion, \$3800 for 20 jobs.
- Pittsylvania County School Board, Chatham, \$2660 for 14 jobs.
- Progressive Community Club, Abingdon, \$2660 for 14 jobs.

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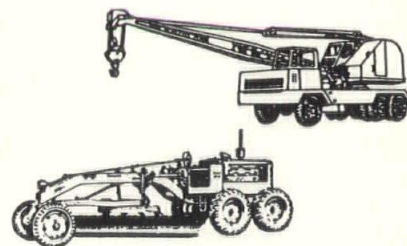
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ABC LAUDS FLETCHER'S EFFORTS

● Efforts of Assistant Secretary of Labor Arthur A. Fletcher to broaden equal employment opportunities in the construction industry for all groups came in for praise last month from the Associated Builders and Contractors.

President Joseph S. LaMonaca issued a statement saying, "Indeed, Secretary Fletcher need apologize to no one for his constant and growingly effective efforts to open jobs to minorities and other disadvantaged persons in this important industry."

"We in the Associated Builders and Contractors have watched with intense interest and actively supported Mr. Fletcher's efforts where union monopolies have succeeded in denying people entry to this important industry.

"Despite recent flurries involving suspension of the Davis-Bacon Act and its reinstatement under a so-called wage stabilization plan, the general public still does not realize that the building trades unions have, through collective bargaining, put themselves at twice the level of regular wage rates.

"The union cry that unemployment is rife in the construction industry has no relation to job opportunities whatever. The fact is that their practices are preventing the average person from purchasing a home and at the same time preventing industry from meeting the expansion needs to face foreign competition.

"We have taken note of the fact that Mr. Fletcher has come in for attack by certain union leaders who are urging his dismissal. Even to suggest that is an affront to all good thinking citizens. Arthur Fletcher is one public official who has had the courage to ignore political pressures. He has fought for the Philadelphia plan and other community plans to open the illegally closed construction industry and unions.

"His work needs to be applauded and expanded and made a reality. He is dead right when it comes to crack-

ing the union restrictions on hiring of labor through the hiring halls. He is not out to weaken the unions. He is out to open the unions to all.

"As a loyal lieutenant of the Administration, Fletcher has not been averse to making public the facts concerning administration of the Davis-Bacon Act. He has been joined in such pronouncements by no less a distinguished citizen and economist as Federal Reserve Board Chairman Arthur F. Burns and Housing and Urban Development Director George Romney.

"These men and hundreds of others who are authorities in the field of construction economics have long perceived the problem of union control of the industry. Their beliefs have been supported in the fiscal reporting of the Council of Economic Advisors who have constantly pointed out the lag in productivity in the construction industry.

"We in the industry know full well where the lag has come from—restrictions on manpower, modern methods, new equipment and technological improvements of all kinds.

"These restrictions have been aggravated by outmoded work rules and compulsory enforcement of union wishes at every turn.

"So we say, more power to Arthur Fletcher. We trust that President Nixon will continue his own efforts and stiffen the Administration's stance with respect to the obvious problems in the construction industry. The nation needs homes, it needs factories, and an all-out war on environmental problems. And the only way we shall get these is to free the construction industry from the shackles placed upon it by unions that want all for themselves and nothing for others."

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VA. TRADE MISSION CONCENTRATES ON ELECTRONICS AND RELATED INSTRUMENTATION

● A Virginia Trade Mission concentrated on electronics and related instrumentation departed for West Germany on April 17 for two weeks of selling in Stuttgart, Munich and Frankfurt and surrounding areas.

Governor Holton, who announced during the Virginia World Trade Conference in the fall of 1970 that the Mission would be sent in the spring of 1971, is leading the Mission. Following a Governors' Conference in Williamsburg at which he was the host, he joined the Mission on April 22.

The Trade Mission's participants are: Dana F. Gumb, President of Vega Precision Laboratories, Vienna; Gordon O. F. Johnson, President of Log-E-tronics, Springfield; Howard L. McVitty, Director of Industrial Relations, Airtronics, Inc., located at Dulles Industrial Aerospace Park; Lloyd B. Wickersham, Director of Marketing Services, Melpar, in Falls Church; and Russell G. Hanson, Executive Director of the Fairfax County Industrial Authority, Fairfax. J. Frank Alspaugh and Fred G. Kessener, respectively Director of Virginia's Division of Industrial Development and Director of the International Trade and Development department of the Division, accompanied the Mission, together with the Division's representative of its European International Trade and Development Office in Brussels, Denis E. Rufin.

The Mission has received the endorsement of the U. S. Department of Commerce as an Industry-organized Government-approved Trade Mission.

The Stuttgart, Munich and Frankfurt areas to be visited were selected after thorough investigation in Germany indicated that customers, distributors and agents for electronics and related instrumentation were primarily located in these regions. Personal interviews were arranged for Mission members with representatives of Germany's electronics industry at their respective business headquarters. The major objective of the Mission is to establish for its member companies the proper contacts to sell their Virginia-made products in the West German market, which might also involve exploration of licensing and cross-licensing agreements and other forms of cooperation with German companies. Mr. Hanson, representing the Fairfax County Industrial Authority, will develop German industrial contacts in connection with the possible establishment of a foreign trade zone in the Dulles International Airport area.

Governor Holton, in addition to his Mission itinerary, was to remain in Europe until May 7 and planned to call on Hans Liebherr of Biberach/Riss and Burda Druck in Germany, Brown Boveri in Zurich, Switzerland, and Imperial Chemical Industries in London. All these companies are in the process of building plants in Virginia as a result of the establishment in July 1968 of the International Trade and Development department of the Virginia Division of Industrial Development.

Since the July 1968 formal effort was initiated, Virginia has sent two previous missions to Europe, one connected with the official opening of the European Office in Brussels in May 1969 and the other an Industrial Development Mission to West Germany in September of 1969. The latter mission visited six West German cities, and one of its consequences was the recent decision of the German firm of

Hans Liebherr to establish a plant in the Hampton Roads area of Virginia. The initial Liebherr investment of \$6 million is expected to increase ultimately to \$15 million, with its starting employment of 350 persons increasing to 1,000.

Since its establishment in July 1968 the International Trade and Development department, through its activities both here and in its Brussels Office, has brought close to \$100 million in foreign investments to Virginia. Some are direct capital investments in the form of subsidiary plants, and some are joint-venture operations. A number of European companies have also set up sales and warehousing facilities in Virginia which eventually may lead to assembly and manufacturing operations.

Mr. Alspaugh, Director of the State Division of Industrial Development, and Mr. Kessener, Director of the Division's international activities, have emphasized that these results could not have been achieved without the cooperation and help of the Virginia Chambers of Commerce on the state and local levels, the banks, railroads, utilities, and local industrial development groups.

PERISHABLE FOOD STUDY CONTINUES AT VDAC

● The State Board of Agriculture and Commerce's Committee on Open Dating of Milk and Perishable Foods has continued its study and makes the following report.

On the need for additional study and research, the committee has examined the preliminary report of the University of Florida "Time-Temperature Study on Milk Keeping Qualities" and the Pennsylvania State University's report on "Quality and Eco-

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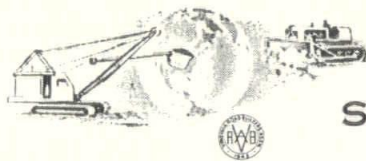
conomic Considerations in the Dating of Milk." VDAC has also had discussions with members of the Department of Food Science and Technology at Virginia Tech seeking that department to conduct studies on the shelf life of perishable foods.

VDAC food inspectors have made surveys at the retail level to determine if proper storage and refrigeration practices were being observed for milk, meat, and fresh produce. Findings generally showed that retail food stores were maintaining good storage conditions for these products. These surveys are continuing.

On the recommendation that dairy products be labeled with a proper storage warning, VDAC has asked the dairy section of the National Association of State Departments of Agriculture (NASDA) to study the feasibility of having this proposal implemented nationally.

To further public education on the handling and storage of perishable foods, VDAC has issued two general, state-wide news releases on the subject, and articles have appeared in two VDAC monthly publications—the *Bulletin* and *Consumer Comments*. Special articles were also prepared for the trade journals "Virginia Foodman" and "The Retail Review." Open dating has been presented on both radio and TV stations.

VDAC Commissioner Maurice B. Rowe says, "We consider the matter of open dating vital and one which has a great deal of consumer interest. But it is a subject which we must approach objectively and examine carefully for the benefit of each segment of our society. Both the Board Committee and VDAC personnel will continue their study of open dating, and the public will be notified as soon as conclusions are reached."



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EXPANDED EARNING POTENTIAL SHOWN IN UNION CAMP REPORT

Union Camp Corporation "enters 1971 with expanded earning potential from its traditional operations, supplemented by greater diversification in compatible business areas," Hugh D. Camp, chairman, and Alexander Caldwell, Jr., president, told stockholders in the company's 1970 annual report distributed recently.

The company had record sales of \$62,200,000 last year, up from the \$56,900,000 volume of \$449,537,000. Earnings also rose to a new high, counter to the general industry trend. Union Camp's 1970 net income was \$30,777,000, or \$2.05 per share, compared with \$30,133,000, or \$2.03 per share, the year before. The 1970 net income reflected, in part, the effect of an increased investment tax credit and a reduction in the income tax surcharge.

Union Camp is engaged principally in the manufacture and distribution of forest products. Among its operations, the major contributors to sales and earnings included paper and packaging operations, wood-based specialty chemicals, and retail-wholesale distribution of building materials and hardware.

Union Camp also is expanding its activities into land, shelter, and resource development. Among the Southeast's largest producers of building materials, it recently entered the home building field through the acquisition of Tekton, Inc. In commenting on the company's woodland holdings of 1.7 million acres, most of which are owned outright in six southeastern states, the report noted that "through ongoing improvements in techniques of site preparation and cultivation, we are growing substantially more trees on our land than could be supported when we originally acquired it."

"Since 1938 we have planted well over half a billion new trees. This means our woodlands are characterized by vigorous young tree growth."

"We are regenerating our forests more and more with genetically superior trees. Our superior-tree seed orchards will enable us to fulfill our complete seed requirements for reforestation within three to five years."

Among the more important research activities were the development of

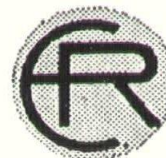
technology necessary for pollution abatement and the evaluation of new equipment for treating mill effluent. "The problem of environmental control continues to receive high priority in our allocation of time, energy, and capital resources," the company said.

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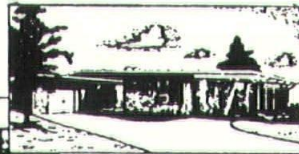
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Heritage Building

(from page 25)

ended Episcopal High School and was formerly Assistant Manager of the bank's office at 515 King St. He attended college and played football at the University of North Carolina and the University of Miami. He and his wife have two children and live in Fairfax County.

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YWCA (from page 29)

at the fun at the YWCA begins with breakfast in summer and goes on through morning snack time, lunch, and afternoon refreshments 'til time for others to get home from work.

The YWCA staff guides work and play throughout the building. A craft room is equipped with sinks as well as work surfaces and supply storage space. A multi-purpose room across the hall converts from classroom or playroom to party room or domestic arts center when its flexible partition is opened to give access to the kitchen equipment arranged across one wall. In another wall the bulletin board case may be opened to reveal a chalkboard or film screen. The room accommodates machines and cutting table when sewing classes are scheduled.

The assembly room is spacious and versatile serving as gymnasium for physical activity, auditorium for entertainment and programs, meeting hall for conferences and instruction, gallery for displays, exhibitions and demonstrations. The kitchen adjoins this great hall for use when it becomes banquet room, ballroom or social hall. Double doors open outside onto a concrete patio marked off for shuffleboard and bocceball, and large enough for roller skating and group games. Smaller conference and class rooms adapt quickly for use as playrooms, classrooms, workshops, lounges.

YWCA staff members have offices across the east side of the building. One

tell the Virginia Story

of these rooms houses duplicating equipment and supplies.

Membership files are on hand for constant use at the receptionist's desk in the center of the building. The schedule of events is there too so groups which are continually moving in and out can be directed to the proper places at the right times.

A large number of YWCA members may transform the big hall into an international bazaar and feed all comers lavishly with foreign delicacies they have prepared. Or a committee of YWCA volunteers may meet in an office or conference room to plan for offering the community some solutions to problems or fulfillment of needs.

This building has programs for all races as does the downtown building. When available, the building can be used by other community groups.

Ambition is another characteristic of the YWCA. The plans include specifications for an outdoor swimming pool.

A lower level which houses the heating and cooling system is already roughed in for dressing rooms and locker space.

There's always something to look forward to at the YWCA Chamberlayne Building.

Subcontractors and Suppliers

(Richmond firms unless otherwise noted)

Barker Construction Co., Inc., general contractor, concrete & carpentry; E. G. Pruitt, Inc., excavating; Hammond Masonry Corp., masonry; Montague-Betts Co., Inc., steel, iron, steel joists, roof deck & metal partitions; C. W. Owens, roofing; Aluminum Mfg. Corp., aluminum windows & screens; Allied Glass Corp., glazing, glass, aluminum entrance & ornamental work; Frick, Vass & Street, Inc., painting; Brisk Waterproofing Co., Inc., masonry waterproofing, caulking; E. S. Chappell & Son, Inc., weatherstripping; John H. Hampshire, Inc., insulation of roof deck, resilient flooring & aluminum ceiling; R. A. Siewers, Inc., millwork; Roanoke Engineering Sales Co., Inc., folding door, metal doors & frames; Oliver Brothers Electrical Co., Inc., electrical work; H. C. Gundlach Co., mechanical work; Colonial Hites Co., Columbia, S. C., aluminum letters; Reynolds Metals Co., donated aluminum siding; Air Balance Corp. of Va., Inc., wall louver; Pleasants Hardware, toilet accessories; Marsh Furniture Co., High Point, N. C., kitchen cabinets.



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Alleghany Church of

Christ (from page 33)

terior materials are brick, wood beams and decking, asphalt shingle roof over nave and built-up roof over narthex, office and nursery. Exterior lighting is placed on walls between brick piers with up and down lights placing emphasis on the structure and brick walls.

Heat for entire building is electric with architectural sill line used in nave.

Future plans call for large fellowship hall and educational space.

Construction was completed in fall of 1970 at a cost of approximately \$108,000 and contains 5,800 sq. ft. of floor area.

Subcontractors and Suppliers

Boone & Walsh, Inc., Radford, general contractor; H. T. Bowling, Inc., Dublin, excavating; Wythe Masonry, Pulaski, masonry; Roanoke Iron & Bridge Works, Inc., Roanoke, steel; Roanoke Engineering Sales Co., Inc., Roanoke, windows; A. P. Hubbard Wholesale Lumber Corp., Roanoke, structural wood; Nolen Products, Inc., Knoxville, Tenn., millwork; Cates Building Specialties, Inc., Roanoke, steel doors & bucks & hardware; Martin Electric, Inc., Dublin, electrical work & heating; Pulaski Service Center, Pulaski, plumbing; and, stained glass by Russell Studios, Inc.

First Va. Bank (from page 38)

moulded brick watertable runs around the perimeter of the structure. Gutters and leaders are copper and the roofing tile in a slate-black asbestos shingle. Landscaping consists of small boxwood trees and Japanese hollies.

The site plan designed by Walter Phillips includes the provision for an additional drive-up banking window to be added in the future.

Subcontractors and Suppliers

Bruce Scott Construction, Inc., Fairfax, Church, general contractor & carpentry; John Driggs Co., Inc., Hyattsville, Md., excavating; Springfield Concrete Construction Co., Inc., Springfield, concrete; Virginia Concrete Construction Co., Inc., Springfield, concrete; Glen C. Baker, Alexandria, masonry; Arlington Iron Works, Inc., Arlington, steel; Virginia Roofing Corp., Alexandria, roofing; McClary Tile, Inc., Alexandria, stone work; Murphy & Ames, Inc., Arlington, lumber & wood windows; James H. Carr, Inc., Washington, D. C., structural wood trusses; Nelson Maffett, Springfield, painting; Virginia Plate Glass Co., Falls Church, glass & glazing; Dodd Brothers Inc., Merrifield, drywall; Hillmuss Enterprises, Burke, acoustical tile & insulation; Southern Floors & Acoustics, Inc., Merrifield, tile & carpet; Virginia Millwork Corp., Arlington, millwork; Roanoke Engineering Sales Co., Inc., Arlington, steel doors & bucks; Moshier Electric Corp., Arlington, electrical work; C. B. Thornton Corp. Fairfax, Church, plumbing; Perrin & Martin, Arlington, air conditioning & heating; Lester's Hardware, Springfield, hardware; Alaska Paving Co., Newington, paving.

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Investment Building in N.Va. (from page 47)

igned to utilize the lower level of the building site and create an architecturally unified complex. Datran Incorporated, a subsidiary of University Computer Corporation, occupies a major portion of the building. Clarence W. Gosnell Incorporated, the building owner/contractor has offices on the first floor.

Bronze glass and aluminum framing were used for the windows. A four-pipe chilled/hot water mechanical system permits year round heating and cooling.

Subcontractors and Suppliers

Datran Building

Clarence W. Gosnell, Inc., Vienna, owner/contractor, excavating, structural wood, carpentry, waterproofing, weatherstripping; Porter & Cole, Falls Church, foundations & concrete; Warren Rexrode Masonry Contractor, Fairfax, masonry; Arlington Iron Works, Inc., Arlington, steel, steel roof deck, roof deck, steel grating & handrails; Perrin & Martin, Arlington, roofing; Ware Aluminum Windows, Inc., Oxedo, Md., windows; Walsh & Behler Glass Co., Washington, D. C., glazing; L. W. Carter & Son, The Plains, painting & plastic wall finish; Stevens Tile & Marble Co., Inc., Kensington, Md., structural tile & ceramic tile; Allied Plywood Corp., Arlington, paneling; Asbestos Covering & Roofing Co., Inc., Washington, D. C., insulation; Anning-Johnson Co., Arlington, acoustical; Dodd Bros, Inc., Merrifield, plaster; Commercial Linoleum Co., Inc., Washington, D. C., resilient tile; Annandale Millwork Corp, Annandale, millwork; Columbia Building Products Co., Inc., Alexandria, steel doors & bucks; Joseph M. Catalano Co., Inc., Falls Church, lighting fixtures; Logan Bros., Inc., Alexandria, electrical work; J & H Aitchison, Inc., Alexandria, plumbing fixtures; Clarendon Plumbing & Heating Co., Inc., Arlington, plumbing, air conditioning, heating & ventilating; Westinghouse Electric Corp., Washington, D. C., elevator; Hardware Center, Inc., Alexandria, hardware; Premier Furniture Carpet, Inc., Washington, D. C., carpeting.

Drew Associates Building

The four level Drew Associates Building located at 2990 Telestar Court in Falls Church, is constructed of poured in place concrete and tinted, glare-reducing glass. The need for flexibility in the structural and interior designs was underscored by plans to expand the facility in a second phase, now under construction.

By locating the mechanical/electrical systems in the building core on the first level, structural flexibility was achieved. The use of interior, movable, partitions combined with the structural design creates a rentable floor area of 42,000 square feet and maximum space flexibility.

The ground level parking facility, containing three hundred thirty-eight spaces, utilized the lower level of the building and preserved sufficient area for landscaping. The combined effect of the structure and landscaping gives functional and aesthetic unity to the building complex.

Present occupants of the building include Traveler's Insurance Company, McDonnell Douglas Automation Company and Systems Technology Associates, Incorporated. The mechanical system is similar to the one used in the Datran Building.

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Subcontractors and Suppliers

Drew Associates Building

From Arlington were: Drew Associates, owner/general contractor; Franki Foundation Co., piling; Kirk Lindsey, Inc., foundations, concrete & steel; Rose Brothers Co., roofing; Ivey Welding Service Inc., handrails; Clarendon Plumbing & Heating Co., Inc., plumbing, air conditioning, heating & ventilating; and, Hill's Nursery, landscaping.

Others were: Crossley Window Corp., Miami, Fla., windows; Anning-Johnson Co., Alexandria, paneling; Wayne Insulation Co., Inc., Alexandria, insulation & acoustical; Dodd Brothers, Inc., Merrifield, plaster; McClary Tile, Inc., Alexandria, ceramic tile; Marty's Floor Covering Co., Inc., Alexandria, resilient tile; Virginia Metal Products Div., Gray Mfg., Co., Orange, steel doors & bucks; Trovato Electric Co., Inc., Merrifield, electrical work; Elco Elevator Corp., Washington, D. C., elevator; and, Barber & Ross Co., Washington, D. C., hardware.

Daniels Residence

(from page 55)

thick laminated cedar decking.

This theme, combined with various easy-to-care-for finishes is generally carried throughout the house. Landscaping is, naturally, in the southwestern tradition employing an intermingling of cactus, yucca, and other flowering plants.

Subcontractors and Suppliers

Bruce Scott Construction, Inc., Falls Church, general contractor, foundations, concrete, carpentry, glazing, painting, paneling, waterproofing & weatherstripping; Geo. Hobson Excavating Co., Inc., Vienna, excavating; Blue Construction, Inc., Vienna, masonry; Dutch's Roofing, Alexandria, roofing; James A. Cassidy Co., Inc., Fairfax, windows; Murphy & Ames, Inc., Arlington, structural wood; Arlington Insulation Co., Merrifield, insulation; Roy Phillips, Oakton, plaster; McClary Tile, Inc., Alexandria, ceramic tile; Southern Floors & Acoustics, Inc., Merrifield, resilient tile; Miller Kitchen Center, Bailey's Crossroads, kitchen millwork; Interstate Electric Supply Co., Inc., Merrifield, lighting fixtures; AP's Electric Service, Vienna, electrical work; API, Manassas, plumbing fixtures & plumbing; Associated Craftsman, Inc., Vienna, air conditioning, heating & ventilating; J. B. Kendall Co., Washington, D. C., hardware; Cardwell's, Inc., Arlington, carpet.

The Deadly Date-game

(Continued from page 5)

students, some of them today are among the most passionate Confederates one could encounter. The burden of their questions is: "where can I find out more about the Southern side?"

Now, it is not surprising that these biased presentations occur in the once-over-lightly courses given in the Northern states, for, aside from the North's acceptance of their moral superiority—even without being taught—there is little interest in history. But it is surprising that in Virginia so little emphasis is placed on its own unique history, and that the subject of history can be taught in such a manner as to discourage interest. It is as if there is some unspoken program to obliterate our differentiations, denying our unique heritage, in bringing a conformity of American acculturation. In these days when the unrootedness resulting from mobility, and the loss of traditional values and standards, has caused a national problem in "identity," especially among the young, we need an understanding of our own roots.

In all history, the student-age population needs an interpretation of the past which locates his part within the whole. They need a correlative presentation of the past, which shows what social-cultural-economic forces were at work in the world (at least the Western World), how the total forces affected their own nation, and how in turn their region was involved in the whole evolving life of the nation. For example, the period of the American Civil War was the period in which Darwin's theories were to revolutionize mankind's conceptions of himself, in which high romanticism reached its peak in Wagnerian operas, and in which Proudhon (among many others) predicted the fragmentation of the known order in the 20th century. Such correlations *personalize* history and human characters provide students (and adults too) with points of identification.

Instead, history teaching continues both to de-humanize the events of the past and to present events out of any context of reference. The one deadly point of reference for events continue to be calendar *dates*. A date on the calendar of the past has no meaning for anybody and being forced to learn dates, unrelated to anything else, has done more to destroy students' potential interest in the past than all other factors together. I don't recall offhand the birthdates of Jefferson and Mozart, but what seems significant is that they were roughly contemporaries and at Monticello Jefferson played on his vio-

lin Mozart melodies when they were new. All of us remember past events in our own lives by association with what was happening, not by dates. Just as it is association that makes our personal pasts live, so only association will make the past alive and—to use that over-worked word—"relevant."

Yet, students are forced to tax their brains by identifying events with dates, which they will not remember the next year. In an expensive high school which prepares its students for college, the seniors this year were given, among other questions in a five-day quiz, this question: "Place the following in chronological order, indicating the President of each—1. Rush-Bagot Treaty. 2. Polk Doctrine. 3. Orders in Council. 4. XYZ Affair. 5. Proclamation of Neutrality. 6. Quadruple Alliance. 7. 'Fifty-four Forty or Fight.' 8. Declaration of Independence. 9. Monroe Doctrine. 10. Jay Treaty. 11. Florida Purchase. 12. Treaty of Ghent. 13. Berlin-Milan Decrees. 14. Farewell Address (1796). 15. Embargo Act. 16. Purchase of Louisiana. 17. Non-intercourse Act."

After you've placed these events in chronological order, what have you got? The students got, two days later, more of the same, and, two days later, one of three questions went: "List in chronological order the acquisition of territory which led to the consolidation of U.S. borders."

In this five-days of quizzes, there were other questions the answers to which would have caused the students to think, develop an idea and to gain some insight into a period. "The Jacksonian Era is said to be revolutionary. Substantiate this statement." "What was the basic difference between Jackson's and Jefferson's interpretation of the Presidency?" These are fundamental questions, regarding social forces and personalities, in which interested students could really become engaged. But this type of question was dropped in among such a multiplicity of strictly memory questions that the student not only lacked the time to develop one of the few thought-provoking questions but his mind was scattered by the sheer number of questions and by the numbing effect of the date-oriented questions. "List in chronological order the first ten presidents of the U.S. (with the political party of each). Indicate one leading event in foreign affairs by each President." Do any of us adults remember the leading event in foreign affairs by Martin van Buren?

Having read in letters the historical inquiries of students from various parts of the country and (excluding the gen-

ealogical-minded) from well-informed adults, as well as having talked length over the years with historic inquirers of all ages, I would venture the opinion that if I set out deliberate to crush the interest of any inquirer whom I've encountered, I could not improve upon such questions as those above. There was another question: "Associate each of the following (terrestrial events with the proper presidential administration." "Associate" here means "identify," a memory-test version of the date identification. What we need are questions that "associate" events with world happenings and develop the association through the personalities involved in the events, not with which elected official happened to be occupying the White House.

When my children were little, they became interested in placing the periods in which composers lived. It was for example, simple for them to remember that Gluck was the music teacher of Marie Antoinette (who little girl could not identify with queen?) or that Beethoven was influenced by the Napoleonic Wars. Once when we were having dinner at the Williamsburg Inn, a string ensemble was playing (very pleasantly) music without 18th century associations, and the children went up to ask them to play certain composers they mentioned which were identified with the period of the Williamsburg Restoration. They could not have come within ten years of the date of any of the composers, but the ensemble members immediately agreed they should be playing their music.

This is not merely musical history; it is all history through association that fills out a period of the past. Nothing much can be done about American history teaching in non-Southern parts of America primarily because the narrow mythical view of the United States past is too firmly imbedded and too little interest exists in historical interpretation. But in Virginia—although of course, we have our own myths—identification can be sustained, in the times of transition and unsettling change, by an interpretation of a past which does much to explain our present and an understanding of which can be useful in guiding us through the unpredictable times ahead. It won't be done by learning dates, and only blurring of identification can result from a uniform Americanization of history which de-emphasizes what is left of our uniqueness.

Clifford Dawley

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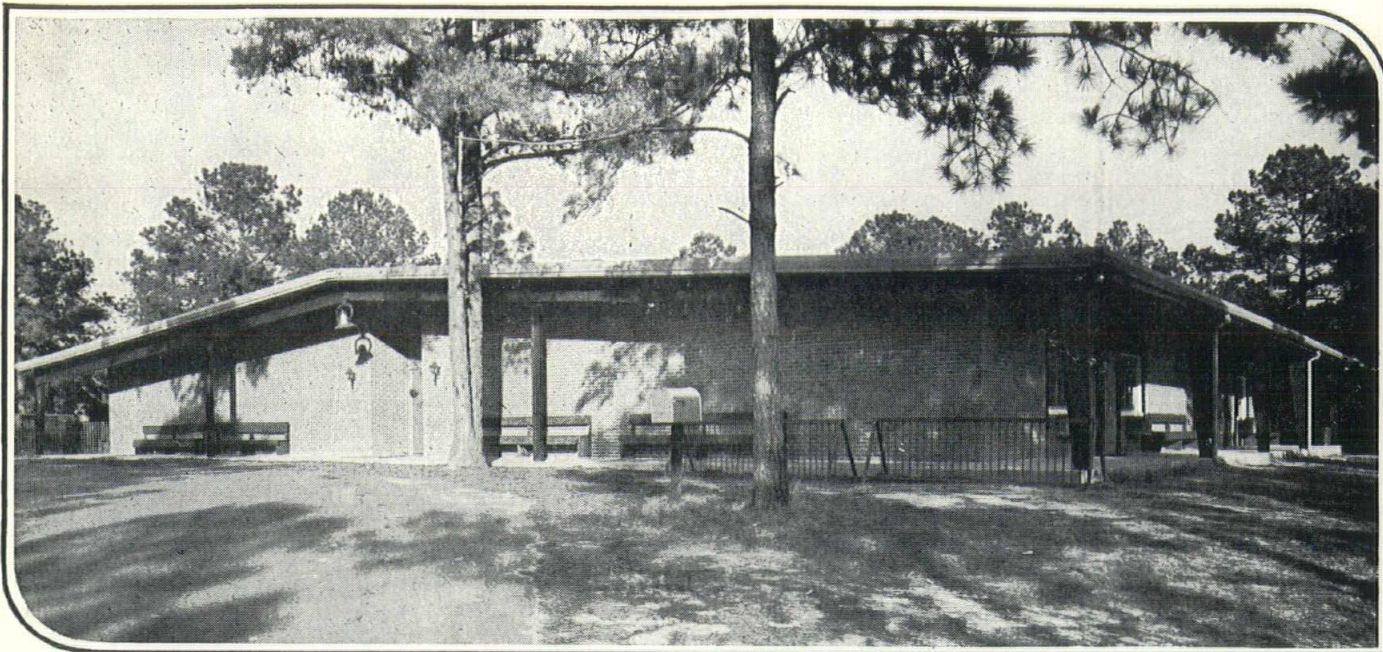
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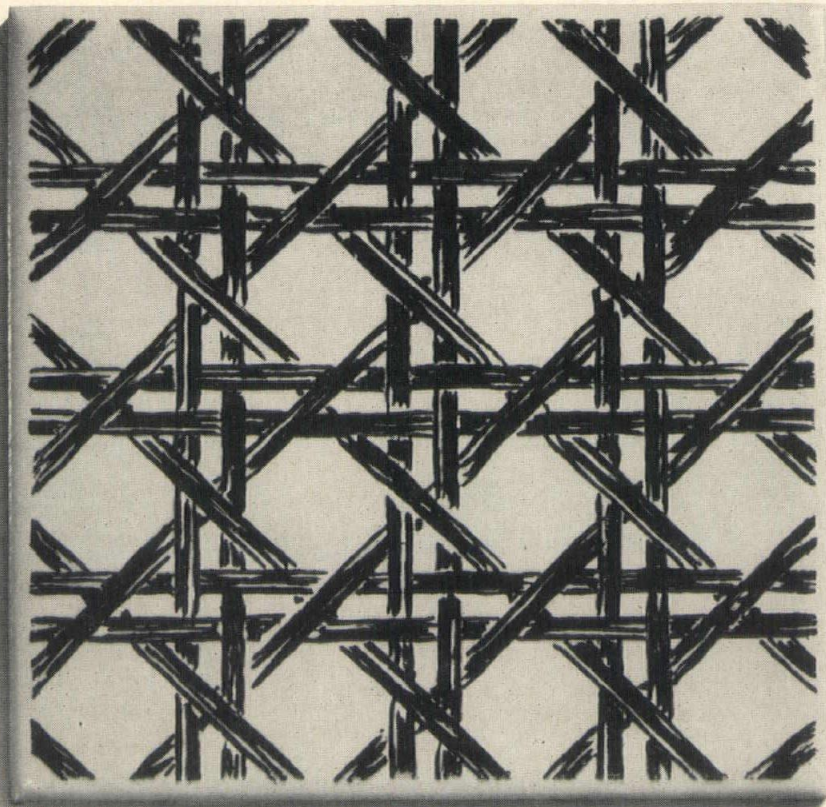
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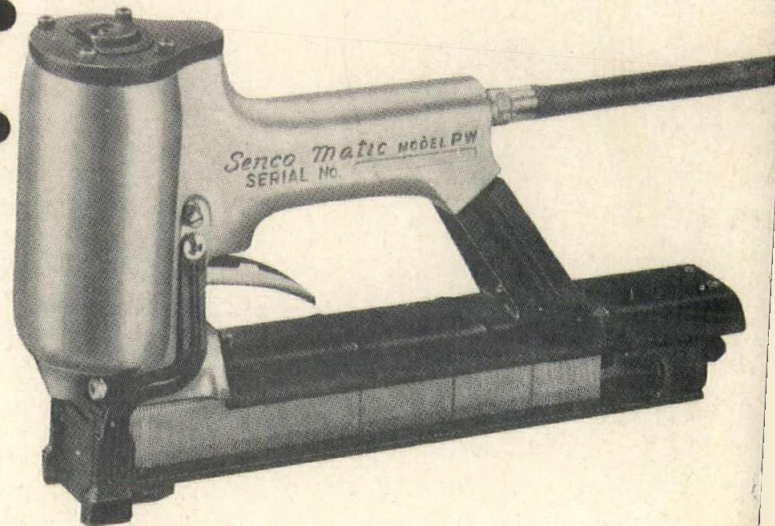


The cane design comes on matte white, in 4¼" x 4¼". And by the way, cane isn't the only thing we've been up to: we've also designed a new ceramic tile with a bamboo motif.

For more information write for a free brochure. For a sample kit, including bamboo and cane tiles, send \$1.00 to Mid-State Tile Company,  P. O. Box 627, Lexington, N.C. 27292.

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