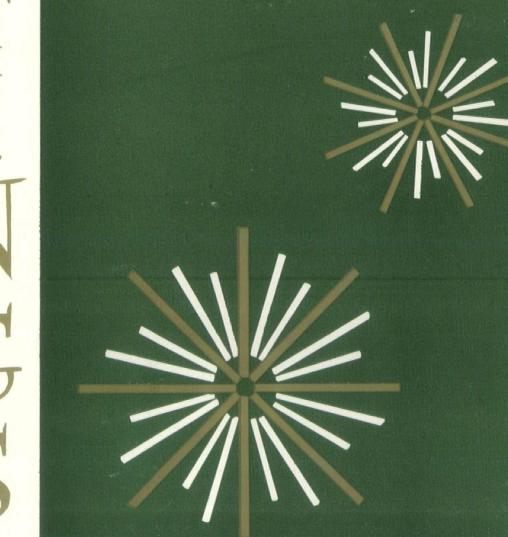


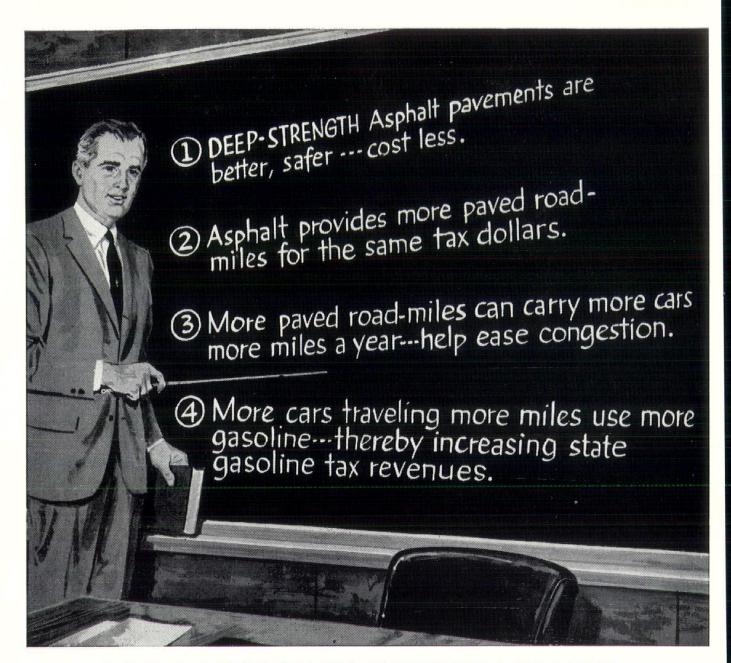
Uirginia RECORD

SEASON'S

Virginia A. G. C. Review

cember 1963 35 Cents





BASIC LESSON IN HIGHWAY FINANCE

Asphalt pavements increase the roadbuilding tax dollars collected by your state and help them to go further!

For the state and county road-builder, modern DEEP-STRENGTH Asphalt pavements offer two important financial advantages.

First, because Asphalt construction can cut original pavement costs as much as 50%, they help to stretch road-building tax dollars—allow more miles of wider, safer roads to be built for the same amount of money. And Asphalt pavement's **lower annual cost, including maintenance,** means additional dollars saved which can be applied to road construction and improvement as well.

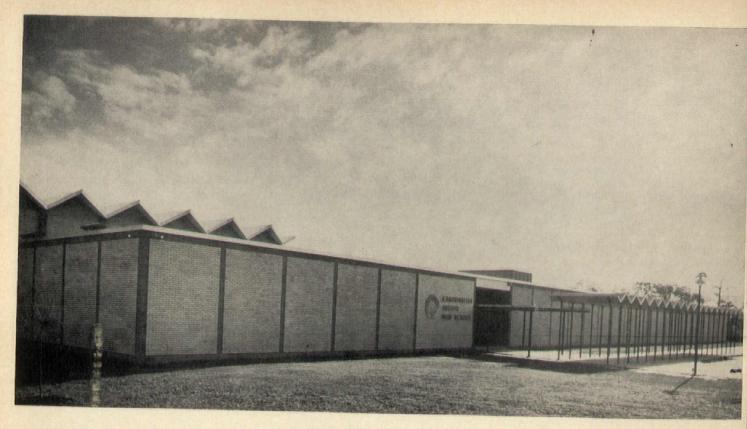
Second, Asphalt pavements help to increase the number of road-building tax dollars collected, without increasing taxes. More paved road miles, built better and faster with Asphalt, will mean more motorists traveling more miles a year. And every extra gallon of gasoline they con-

sume means more tax revenue collected for your annual road-building budget.

In addition, modern DEEP-STRENGTH Asphalt pavements have other advantages for the highway engineer. Asphalt bases are stronger—up to twice as effective as cement-treated bases, according to the recently completed AASHO Road Test. Asphalt pavements are waterand frost-resistant, and are not harmed by de-icing chemicals. Asphalt surfaces are also quieter and smoother-riding, with higher skid resistance. And traffic stripes are more visible, day or night, rain or shine, to give you greater road safety.

All in all, the facts add up to this: inch-for-inch and dollarfor dollar, DEEP-STRENGTH Asphalt pavements are your soundest road investment.





FIRST WINDOWLESS HIGH SCHOOL IN U.S. CONSTRUCTED IN NORFOLK BY REID & HOPE

LUBLIN, McGAUGHY & ASSOCIATES
Architects and Engineers

PAGE FOUR

VIRGINIA RECORD

Founded 1878

(Acme Photo Co., Inc. Photos by Millie Boyer)



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EDITORIAL OFFICES: 1015 EAST MAIN STREET Phones MI 4-6717 — 4-2722 VIRGINIA RECORD is an independent publication cooperating with all organizations that have for their objectives the welfare and development of Virginia. While this publication carries authoritative articles and features on statewide and local industries, business, governmental and civic organizations, they are in no other

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CLIFFORD DOWDEY Editor

DONNA Y. LAURINO Executive Editor

R. N. ANDERSON, JR., AIA Architectural Editor

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VOLUME LXXXV

DECEMBER 1963

NUMBER TWELVE

"Can You Remember?"

IN AN ERA in which so many elements of sentiment have been lost, it seems particularly a pity to hear at Christmas time the comment that the carols have been dinned into the ears to a point that they have not only lost all meaning but to many, it seems, have become a bore that wears at the nerves. In a country that yearly becomes more blatantly committed to commercialism, it is pointless to charge the merchants with turning the celebration of the birth of Jesus Christ into a competitive carnival of spending and buying. Everybody joins in as a "holiday season," lasting about ten days, has replaced in spirit the essentially Christmas Day spirit of more innocent times. Since the commercial preparation begins before Thanksgiving, and we enjoy the benefits of radio and television to fill our ears with the carols during this build-up to the carnival, it is inevitable that by the time Christmas arrives the music once associated with its religious aspects becomes associated only with the long, "hard" sell leading to the anticlimax that now is the day of the Christ mass.

However, to anyone who has grown up either in a time or in a home where Christmas was observed in its traditional spirit, some of the carols can retain their original association-if an individual wants the sentiment enough to focus his responses on certain memories. Against the general background of memories of Christmas when the family was the center of the warm, personal spirit of observation, I have retained one vivid and moving impression associated with one carol that I can call up each year.

When I was studying in New York, the boy with whom I roomed and I occupied an upper story front room in a house on 113th Street, between upper Broadway and Amsterdam Avenue, close by to St. John's Cathedral. 113th Street was lined mostly with the old four story brownstones, many of which were fraternity houses and nearly all of which were occupied by students-not only of Columbia but of the Art Students League, the American Academy of Dramatic Art and Juilliard School of Music. The aspiring painters, actors (or directors or designers) and musicians among the academic students who were aspiring writers, editors, newspapermen, architects, doctors, lawyers and world-savers, gave the youthful population of the street a cosmopolitan atmosphere, arrogant and irreverent, which would make it seem the least likely spot for a sentimental hour. Mencken, the brilliantly derisive smasher of existing idols, was the god of the day, and no intellectually self-respecting student would conceivably associate himself with anything that even hinted at subscribing to the customs and values of the then scorned booberie of the "Babbitt."

In such a time and atmosphere, my room-mate and I were packing to leave on a night train for Richmond when we were visited by an older friend of ours whom I will call Paul—since that was his name. He was a rich man in his thirties who lived near Columbia, and he dropped by to give us each a Christmas present of a TEN DOLLAR credit slip at Brooks Brothers. It was at deep dusk or early evening when Paul somewhat overflowed our room. He stood about six feet four and something about his beautifully cut clothes made him seem a conspicuous obstacle that got in the way of all our confused, last-minute packing.

(Continued on page 25)



Presenting: VIRGINIA A.G.C. REVIEW

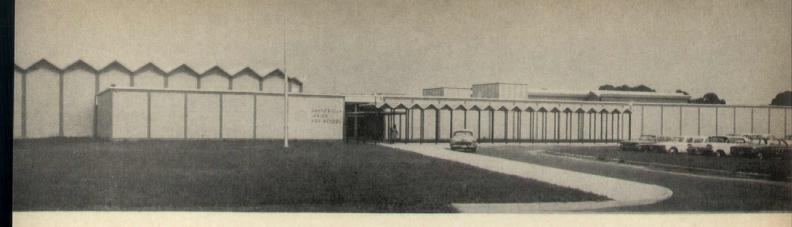
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ADDITIONAL CREDIT!

Additional credit is due the Southern Elevator Company beyond that given them in our story on the J. C. Penney Store in Lynchburg in the November "Virginia Architecture 63" issue.

In addition to supplying both the passenger and freight elevators in the building, as credited, Southern Elevator supplied the escalator for the building.





N SUNDAY, NOVEMBER 3, 1963, the Campostella Junior High School in Norfolk, Virginia, the first climate controlled school in the United States, designed and constructed without windows, was formally dedicated.

The contracting firm of Reid & Hope, Suffolk, constructed the windowless and climate controlled school designed by Lublin, McGaughy & Associates, Architects & Engineers,

Norfolk, Virginia.

Campostella Junior High School is located at the south-east corner of Campostella and Indian River Roads, Norfolk, Virginia, on a 20/2 acre site, with parking facilities

to provide space for 120 vehicles.

As you approach the ultra modern high school, you are impressed by the exterior features of the building which are characterized by light brick panels with borders of darker brick which replace the customary window areas in a school building, and a salient feature is the unusual saw tooth roof effect of the main entrance canopy, as well as the roof over the meeting room, stage area and gymnasium area.

Upon entering the school building, the administrative area is located on the right and contains a general office, book store, offices for the principal and assistant principal, health clinic, guidance offices and ten classrooms. A modern band and choral room is located on the left of the main entrance and is immediately adjacent to the meeting room which has a large stage area, fully equipped with stage

curtains and stage lighting equipment.

The corridors are light and airy, with green and yellow tile walls, acoustical tile ceilings and terrazzo floors, and in addition to artificial lighting, an ample supply of natural light permeates the area from the large aluminum and glass entrances located at the ends of each corridor, and from the skylights which are located throughout the building in the corridor areas, as well as in the art classrooms and other areas requiring natural lighting.

A modern kitchen with gleaming stainless steel equipment, and tile walls and floors, meets the most rigid sanitary requirements, and the large dining area adjacent, with acoustical ceilings and resilient tile floors, can accommodate

the entire student body in two shifts.

A large library with bookstacks and magazine racks, and equipped with reading tables is located adjacent to the administrative area, and provides ample space for reading and research work performed by the students and faculty.

The center unit of the building contains a large gymnasium which can be divided into two basketball courts by closing a folding partition. Adjacent to the main gymnasium is an auxiliary gymnasium, together with locker rooms and shower rooms for both boys and girls, as well as offices for the physical education instructors.

The center portion of the building, also, contains the main boys and girls toilet rooms, together with two general science classrooms, two chemistry classrooms and two health class-

The area of the school most remote from the main en-

trance contains two art classrooms, together with a ceramics laboratory; two homemaking suites containing two kitchens and a living room; eleven classrooms; a T.V. room; drafting area; graphic arts shop, as well as a shop for woodworking and metal working, and the space for the mechanical equipment for the building.

Solid walls unbroken by out-door light and scenery may sound depressing to those accustomed to more conventional design. However, maximum use has been made of bright colors to break up the monotony. Along the main corridors, colors are alternated and the straight line of the wall is re-

lieved by alcoves and recesses.

In the classrooms, a long chalkboard on one wall and a similar size bulletin board on the other gives variety. Pictures and special displays are planned to be utilized on the other walls.

As for the "why" of a windowless and climate controlled school, the architects can give a long list of advantages: year round operation with no loss of comfort, compact floor plan because of no worry about what is seen from windows and play-ground areas close to the building with no distraction to the students. In addition, maintenance and vandalism problems are minimized.

The entire building area is equipped with a sprinkler system to minimize any fire hazard, and a public address intercommunication and program system is provided to meet

the needs of modern education.

The entire school, done in colors and color combinations of light pearl grey, buff, light Dresden blue, Oxford grey, bone white, cascade blue, terra cotta and jade green, is pleasing to the eve.

The general contractor did the work on foundations, car-

pentry, and weatherstripping.

SUBCONTRACTORS & SUPPLIERS

(All Norfolk firms unless otherwise noted)

(All Norfolk firms unless otherwise noted)

E. V. WILLIAMS CO., INC.: Excavating: SOUTHERN MATERIALS CO., INC.: Concrete materials; SNOW, JR. & KING, INC.: Masonry, incinerator, structural tile; STANDARD IRON & STEEL CO., INC.: Steel; CHESAPEAKE, INC.: Steel roof deck, steel joist; ROOF ENGINEERING CORP.: Tectum roof deck, roofing, waterproofing, resilient tile; PITTSBURGH PLATE GLASS CO.: Glazing, aluminum entrances; SHAW PAINT & WALL PAPER CO., INC.: Painting; NORPORT SUPPLY CO., INC.; Insulation on duct work; THE HAMPSHIRE CORP.: Acoustical, ceiling insulation; A. D. STOWE, Portsmouth: Plaster; FERRELL LINCLEUM & TILE CO., INC.: Ceramic tile, terrazzo; R. L. DRESSER, INC., Raleigh, N. C.: Food flooring; BURTON LUMBER CORP., Chesapeake: Millwork; HALL-HODGES CO., INC.: Reinforcing steel, doors and bucks; NOLAND COMPANY: Lighting fixtures, plumbing fixtures; VIRGINIA-CAROLINA ELECTRICAL WORKS, INC.: Electrical work, plumbing, air conditioning, heating; AMERICAN SHEET METAL CORP.: Duct work for air conditioning, ventilating; VIRGINIA SPRINKLER CO., INC., Ashland: Sprinkler system: MINNEAPOLIS-HONEYWELL REGULATOR CO.: Air conditioning controls; ELECTRONIC LEASING CORP., Portsmouth: Public address and intercommunication system; BIRSCH CONSTRUCTION CORP.; Bituminous paving, curbs, etc.; HANNA GARDEN CENTER: Fertlizing, seeding; C. L. PINCUS, JR. & CO., INC.: Outside utilities; GUY SMITH HARD-WARE, Richmond: Finish hardware; A. D. WHITNEY CO., INC. (Agt., INTERIOR STEEL EQUIPMENT CO.), Richmond: Lockers, shelving; DOOR ENGINEERING: Toilet, shower partitions, sym folding partitions, folding and overhead doors, folding gates; SCHATZ KITCHEN EQUIPMENT, INC., Washington, D. C.: Kitchen equipment; KOROK, INC., Alexandria: Chalkboards, tackboards; FLOWERS SCHOOL EQUIPMENT CO., INC., Richmond: Basketball stops, padded wainscot; THE TRANE COMPANY, La Crosse, Wisc.: Air conditioning equipment, including centrifugal water chillers, air handling units, fan coil units and convectors.



The new Vawter and Barringer Dormitories at Virginia Polytechnic Institute

THREE V.P.I. BUILDINGS BY T. C. BRITTAIN C

CARNEAL & JOHNSTON
Architects

THREE BUILDINGS AT VIRGINIA POLYTECHNIC INSTITUTE at Blacksburg have been constructed by T. C. Brittain Company, general contractors of Decatur, Ga. Construction includes two dormitories and a Student Activities and Physical Education Building, called the Coliseum. All three buildings were designed by Carneal & Johnston, Richmond architects.

The two dormitories, constructed at a cost of \$1,565,151, total 105,000 square feet. The three-story rectangular buildings have exterior walls of concrete faced with native stone and limestone trim, interior walls of Solite block, and concrete floors. More than 540 tons of Standard Buff Indiana Limestone were placed on the dorms. The native stone was quarried from the V.P.I. campus. The roofs are wooden structures with slate roofing; windows are aluminum, double hung. At the peak of construction in May of last year, there were 102 members of the Brittain labor force at work, exclusive of subcontract labor.

The new buildings represented a father-son construction team, with V. V. Bowman, of Hillsville, superintendent of the Field House and his son, J. C. Bowman, superintendent of the dormitories.

The Coliseum, completed at a cost of \$1,795,306, exclusive of the electrical and mechanical work, is an unusual design, highlighted by an oval roof supported by laminated wood arches, which in turn are supported by 16 flying concrete buttresses. There are a total of 20 buttresses in the building, which is affectionately referred to by the students as "the flying wedge." From the arena floor to the bottom of the roof supports is a distance of 90 feet. The arena will seat more than 10,000 spectators for basketball and includes a circular track 616 feet long and 18 feet wide. The building contains shower rooms, locker rooms, two practice courts, two handball courts, dormitory for visiting teams, offices on each side of the lobby for the Athletic Director, in addition to several other offices for various coaches and assistants. The general contractors built their own concrete plant on the job site and consumed approximately 17,000 cubic yards of concrete. At the peak of construction, the general contractors had 127 men of their own forces on the job.

The Coliseum covers 320 by 240 feet, with exterior and interior walls of masonry. The roof is Tectum deck, snow capped, and floors are concrete, wood, ceramic and resilient

tile.

V.P.I. DORMITORIES

SUBCONTRACTORS & SUPPLIERS

T. C. BRITTAIN CO., Decatur, Ga. General contractor, excavating, foundations, concrete, masonry, roof deck, structural wood, carpentry, plaster

STRICKLAND BROTHERS, Fancy Gap

VALLEY STEEL CORPORATION, Salem Reinforcing steel

STRUCTURAL STEEL CO., INC., Roanoke Structural steel, steel grating, handrails

N. W. MARTIN & BROS., INC., Richmond Roofing, waterproofing

DANTE O. MARTIN, JR., Blacksburg Stone work

LIMESTONE-WOOLERY STONE CO., Bloomington, Ind.

THE STALEY CO., INC., Richmond Truscon windows

SALEM GLASS CORPORATION, Salem

TILLEY PAINT COMPANY, Pulaski Painting, plastic wall finish

HARRY H. ROBERTS, INC., Roanoke Structural tile

STROUD WEATHERSTRIP CO., Roanoke Weatherstripping

OWENS-CORNING FIBERGLAS CORP., Atlanta, Ga.

McL. T. O'FERRALL & CO., Richmond Acoustical, resilient tile

JOSHUA SWAIN & CO., INC., Portsmouth Ceramic tile

MILLER MANUFACTURING CO., INC., Richmond Millwork

ROANOKE ENGINEERING SALES CO., Roanoke Steel doors and bucks

MUNCY ELECTRIC CO., Narrows Lighting fixtures, electrical work

DANIELS PLUMBING & HEATING CO., Norton Plumbing fixtures, plumbing, air conditioning, heating, ventilating

SOUTHERN ELEVATOR CO., INC., Greensboro, N. C. Elevators

V.P.I. COLISEUM

SUBCONTRACTORS & SUPPLIERS

T. C. BRITTAIN CO., Decatur, Ga,

General contractor, excavating, foundations, concrete, masonry, carpentry, plaster

CUNNINGHAM CORE DRILLING & GROUTING CORP.,

Salem

Piling (caissons)

VIRGINIA STEEL CO., INC., Richmond

Reinforcing steel

ROANOKE IRON & BRIDGE WORKS, Roanoke

Structural steel, steel grating, handrails

SOUTHERN ROOF DECK CO., INC., Roanoke Tectum roof deck

J. B. EURELL COMPANY, Richmond Gypsum roof deck

G. E. McDANIEL ROOFING & SHEET METAL WORKS, Roanoke

Roofing, waterproofing

ROANOKE ENGINEERING SALES CO., Roanoke

Windows, steel doors and bucks

JAMES H. CARR, INC., Richmond (Rilco) structural wood, laminated arches

PITTSBURGH PLATE GLASS CO., Roanoke Glazing

TILLEY PAINT COMPANY, Pulaski

Painting, plastic wall finish

F. GRAHAM WILLIAMS CO., INC., Atlanta

HARRY H. ROBERTS, INC., Roanoke

Structural tile

STROUD WEATHERSTRIP CO., Roanoke

Weatherstripping

THE HAMPSHIRE CORPORATION, Roanoke

Acoustical

JOSHUA SWAIN & CO., INC., Portsmouth

Ceramic tile, terrazzo

CHARLES J. KREBS CO., Roanoke Resilient tile

A. P. HUBBARD WHOLESALE LUMBER CORP., Roanoke

Wood flooring

MILLER MANUFACTURING CO., INC., Richmond

Millwork

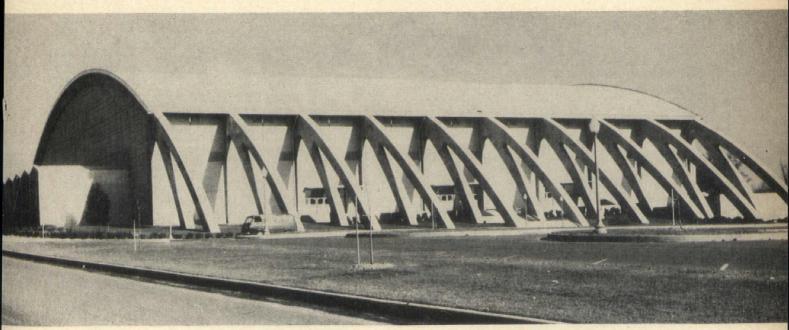
MUNCY ELECTRIC CO., Narrows

Lighting fixtures, electrical work

DANIELS PLUMBING & HEATING CO., Norton

Plumbing fixtures, plumbing, air conditioning, heating, ventilating WYTHEVILLE BLOCK CO., Wytheville

Decorative block



"The Coliseum" - Student Activities and Physical Education Building



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SUFFOLK, VIRGINIA

General contractor for Campostella Jr. High School, presented on page 4

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Window wall contractors for the new Nationwide Safti-Brake Bldg., page 15



Construction by Frye Building Company

Eubank, Caldwell & Associates: Architects & Engineers

• Frye Building Company, of Roanoke, is general contractor for the new Thrasher Memorial Methodist Church in Vinton, estimated to cost around \$316,000. Eubank, Caldwell & Associates, also of Roanoke, are the architects and engineers.

The two-story brick Colonialstyle structure covers 52 by 159 feet. Interior walls are plaster, with wood windows and floors of terrazzo and vinyl tile. The roof is slate.

Ground breaking services for the new sanctuary were held Sunday, July 21, at the morning worship hour. Prior to this, the old parsonage had been torn down, a house across Pine Street had been purchased and removed and the street relocated to make room for the new building. A new parsonage was built four blocks away.

The Rev. R. Marvin White is

pastor. Members of the building committee are I. N. Moseley, chairman, N. R. Thurman, W. H. Marshall, W. E. Cundiff, and M. E. Maxey.

SUBCONTRACTORS AND SUPPLIERS

CHARLIE OVERSTREET, Vinton: Excavating ROANOKE READY MIX CONCRETE CORP., Roanoke: Concrete WEBSTER BRICK CO., INC., Roanoke: Masonry LIGHTWEIGHT BLOCK CO., INC., Roanoke: Masonry

ROANOKE IRON & BRIDGE WORKS, Roanoke: Steel

H. A. GROSS, INC., Roanoke: Roofing, plumbing fixtures, plumbing, air conditioning, heating, ventilating

INGALLS STONE CO., Bedford, Indiana: Stone work

MILLER MANUFACTURING CO., INC., Richmond: Windows, millwork

W. E. ROBERTSON CO., Roanoke: Painting

W. MORTON NORTHEN & CO., INC., Richmond: Acoustical, resilient tile

HAMPSHIRE CORP., Roanoke: Plaster

WEBB TILE & MARBLE CO., Roanoke: Ceramic tile, terrazzo

ROANOKE ENGINEERING SALES CO., Roanoke: Steel doors and bucks

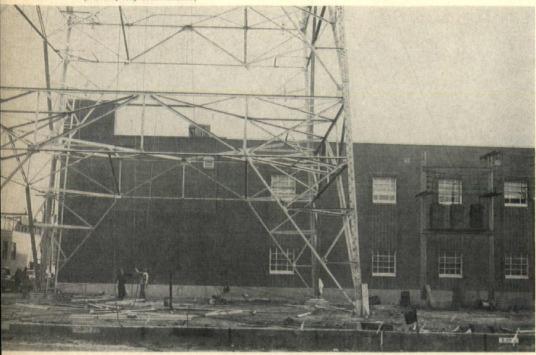
GRAYBAR ELECTRIC CO., INC., Roanoke: Lighting fixtures TROVATO ELECTRIC CO., INC., Arlington: Electrical work

LEE HARTMAN & SONS SOUND EQUIPMENT, INC., Roanoke: Sound system

GRAVES-HUMPHREYS, INC., Roanoke: Hardware

TWO NEW PROJECTS BY R. G. MAR

(Photos, Ray Hash Studio)



ALTERATIONS, ADDITIONS, TOWER FOR BELL TELEPHONE BUILDING

Architect for Building
ALAN McCULLOUGH, AIA

Mechanical & Electrical Consultants ROACHE, MERCER & FAISON Architect for Tower HENRY P. SADLER

Structural Consultants
TORRENCE, DREELIN & ASSOCIATES



PAGE TEN

VIRGINIA RECORD

• Work on the Bell Telephone Building at Petersburg includes alterations and additions to the building, Section "C," and a 325' T tower. Total cost is estimated at \$70,962. Architect for the building was Alan McCullough, AIA, Richmond architect; architect for the tower was Henry P. Sadler, Richmond consulting engineer.

The two-story windowless building is 32 by 98 feet; exterior walls are masonry with concrete structure, and interior masonry walls. The roof is built-up concrete. Floors are asphalt tile over concrete. R. G. Martz Construction Corp., Petersburg general contractors, also did the work on excavating, foundations, carpentry and

millwork.

SUBCONTRACTORS AND SUPPLIERS

SOUTHERN MATERIALS CO., INC., Petersburg: Concrete

TRI-CITY MASONRY, Colonial Heights: Masonry

ANDREWS-JOYNER IRON WORKS, Petersburg: Miscellaneous steel, handrails

J. B. EURELL CO., Richmond: Roof deck

JOE M. DeSHAZO ROOFING CO., Richmond: Roofing

GILBERT M. CLEMENTS, Petersburg: Painting

C. B. SMITH CO., Richmond: Resilient tile

J. S. ARCHER CO., Richmond: Steel doors and bucks

GRAYBAR ELECTRIC CO., INC., Richmond: Lighting fixtures

KING ELECTRIC CO., Hopewell: Electrical work

CATLETT-JOHNSON CORP., Richmond: Plumbing, air conditioning, heating, ventilating

BOWKER & RODEN, INC., Richmond: Reinforcing steel

Founded 1878

DNSTRUCTION CORP., PETERSBURG

• Alterations and additions to Post Signal Building No. 246 at Fort Belvoir are estimated at a total cost of \$157,-861. The two-story building covers approximately 25 by 87 feet. Exterior walls are brick; interior walls are plaster. The roof is built-up; windows are of wood, and floors of concrete. Architect was the Corps of Engineers, Norfolk.

R. G. Martz Construction Corp., the general contractor, also did the work on foundations, carpentry, painting and weatherstripping.

SUBCONTRACTORS & SUPPLIERS

AAA EXCAVATING CO., Alexandria: Excavating

GOODE MASONRY CO., Manassas: Masonry

ANDREWS-JOYNER IRON WORKS, Petersburg: Steel, steel grating

retersburg: Steel, steel grating

ERWIN CONCRETE CORP., Falls Church: Concrete

ANNING-JOHNSON CO., Alexandria: Roof deck

JOE M. DeSHAZO ROOFING CO., Richmond: Roofing, waterproofing

POTOMAC CAST STONE CO., INC. Alexandria: Stone work

C. B. SMITH CO.,

Richmond: Acoustical, resilient tile

RAGER PLASTERING CO., Tuxedo, Md.: Plaster

ACE TILE & FLOOR COVERINGS,

Richmond: Ceramic tile

MARTZ BUILDING SUPPLIES, Petersburg: Millwork

J. S. ARCHER CO.,

Richmond: Steel doors and bucks

CATLETT-IOHNSON CORP.,

Richmond: Lighting fixtures, electrical work, plumbing fixtures, plumbing, air conditioning

BOWKER & RODEN, INC., Richmond: Reinforced steel

to tell the Virginia Story



POST SIGNAL BUILDING NO. 246 AT FORT BELVOIR

Architect
CORPS OF ENGINEERS, NORFOLK



DECEMBER 1963

PAGE ELEVEN

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FRYE BUILDING COMPANY GENERAL CONTRACTORS



ROANOKE, VIRGINIA

General contractor for the Thrasher Memorial Methodist Church, page 9.

JOHN TESTER & SON, INC.

General Contractors



CORBIN INDUSTRIAL HARDWARE

ATLANTIC 8-0732 - 5807 PATTERSON AVE. - RICHMOND, VA. 845-3611 - 3261 FORT AVE. - LYNCHBURG, VA.

FINISHING HARDWARE SUPPLIER FOR CAMPOSTELLA JUNIOR HIGH SCHOOL, PAGE 4

Growth of U.S. Instrument Corporation Plant

• The United States Instrument Corporation moved to Virginia in 1954 to acquire adequate space for its future expansion plans.

Prior to moving, the company's activities were mainly the production of sound-powered communications equipment. With new facilities and an eye for the future USI entered the telecommunications field in earnest.

The original facility built in 1954 contained 31, 000 square feet of which approximately 80% was devoted to engineering and production operations. In 1957 the company added a small addition of 2,000 square feet and again in 1958 4,000 square feet were added. These two additions were mainly for warehousing operations to allow more manufacturing in the original plant. In 1959 additional factory space was added in the amount of 31,000 square feet.

At the completion of 1959 building the employment was approximately 350 persons. It soon became apparent that space was not adequate and in 1961 an additional 12,000 square feet were added for manufacturing activities. Again in 1962 there were additions to the company's plant. These additions included a new warehouse which returned the old warehousing space to manufacturing area and included an addition for an IBM 1401 Computer Center. This Computer Center is one of the finest installations in this part of the state from a standpoint of equipment and personnel environment.

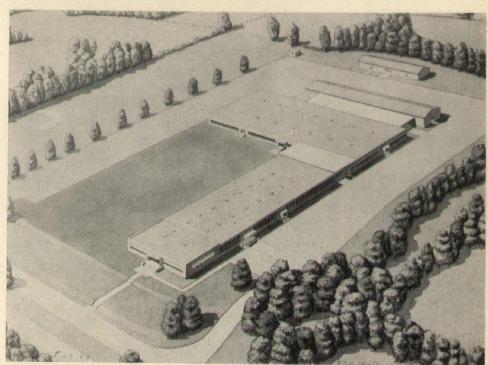
At the time of the 1962 construction it was also apparent that the company had outgrown its electrical distribution system. This was replaced with a series of substations geared to the existing and projected future requirements of the company.

Another phase of the 1962 construction project was the renovation of some factory area, which was converted to engineering and research facilities.

Last but not least in this project was the adding of an employee medical center. With these projects completed USI is in anticipation of future expansion on an even greater magnitude than those having been experienced.

Present employment is approximately 750 persons.

(Continued on page 18)



Artist's rendering of plant as it existed after 1961 expansion. White areas are 1961 construction.

IVY CONSTRUCTION CORP. IS GENERAL CONTRACTOR

STAINBACK & SCRIBNER
Architects

SOWERS, RODES & WHITESCARVER Mechanical Consultants

The computer room contains the most up to date equipment, including a 1401 IBM center.



to tell the Virginia Story DECEMBER 1963

PAGE THIRTEEN



(Acme Photo Co., Inc., photos by Millie Boyer)

BARR CONSTRUCTION CO., INC. COMPLETES TWO NORFOLK PROJECTS

• The recently completed Far-Go Van Lines building is said to be the first designed in the Norfolk area exclusively for the purpose of accommodating three 71/2 by 7½ foot shipping crates on top of each other. The one story building, which cost \$80,000, has a clear slab to roof deck height of 25' 5". The new construction covers 14,900 square feet, has block exterior walls, a built-up roof and concrete floors. The owners were their own architects. The general contractor did the excavating and carpentry work.

PAGE FOURTEEN

SUBCONTRACTORS AND SUPPLIERS

(All Norfolk firms, unless otherwise noted)

VICELLIO-WEAVER CO.: Concrete

W. F. STIER, JR., Virginia Beach: Masonry

I. J. ALLEN & SON: Steel

AMERICAN SHEET METAL CORP.: Roofing

U. S. BUILDING SERVICE CO. OF VA.: Painting, waterproofing

DOOR ENGINEERING: Steel doors and bucks

RAYMOND C. ROBINSON: Electrical work

VIRGINIA RECORD

Founded 1878

• The building for Nationwide Safti-Brake Centers of Norfolk, Inc. serves as home office of the Tidewater Virginia and Richmond outlets. It is the only service center building between Norfolk and Atlanta to have a twocar front end machine pit. The one-story rectangular building covers approximately 184 by 30 feet. Exterior walls are block, brick and glass with interior walls of block. Roof is built-up and floors are concrete. The owner was architect; the general contractor also did the concrete work, carpentry, paneling, and excavating.

SUBCONTRACTORS AND SUPPLIERS

(All Norfolk firms)

W. F. STIER, JR.: Masonry

R. J. REPASS IRON WORKS: Steel

AMERICAN SHEET METAL CORP.: Roofing

ACME GLASS SERVICE: Window walls, glazing

BURGESS BROTHERS: Painting

HAMPTON ROADS PLASTERING CO., INC.: Acoustical, plaster

JAYEN COMPANY: Ceramic and resilient tile DOOR ENGINEERING: Steel doors and bucks RAYMOND C. ROBINSON: Electrical work

W. B. MIDDLETON, INC.: Plumbing, air conditioning, heating,

ventilating



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NORFOLK, VIRGINIA

Roofing contractors for the Nationwide Safti-Brake Bldg., page 15 and the Far-Go Van Lines Bldg., page 14

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Supplier of millwork and paneling for U. S. Instrument Corp., page 13.

INSULATING CONTRACTORS

for the new

CAMPOSTELLA JUNIOR HIGH SCHOOL

See Page 4

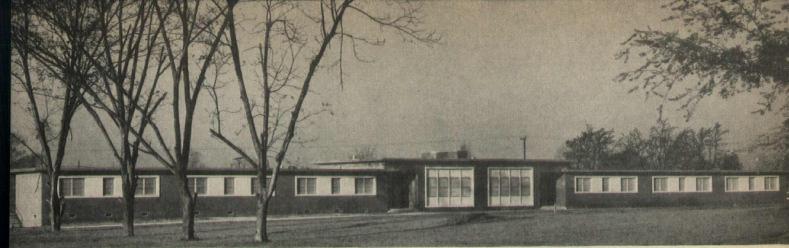
NORPORT SUPPLY CO., INC.

3441 Mangrove Avenue NORFOLK, VIRGINIA

SNOW, JR. KING, INC.

> Masonry Contractors

2415 Church Street Phone 627-8621 NORFOLK 4, VA.



(Photos by William T. Radcliffe)

LEON H. PERLIN CO., INC.: GIRLS DORMITORY

E. TUCKER CARLTON, AIA: Architect

• A new girls dormitory for Virginia State School in Hampton, has been completed by Leon H. Perlin Co., Inc., Newport News general contractors, at a total cost of \$165,000. E. Tucker Carlton, AIA, was architect. The one story building has exterior walls of brick; interior are block. The roof is concrete, windows are aluminum, and floors are concrete.

SUBCONTRACTORS & SUPPLIERS

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SNOW, JR. & KING OF THE PENINSULA, INC., Norfolk Masonry

MARSHALL STEEL CO., INC., Norfolk

AMERICAN SHEET METAL CORP., Norfolk

ECONOMY CAST STONE CO., Richmond Stone work

REPUBLIC STEEL CORP., Norfolk

Windows, window walls

BUILDING SUPPLIES CO., Norfolk Glazing

E. CALIGARI & SON, INC., Newport News

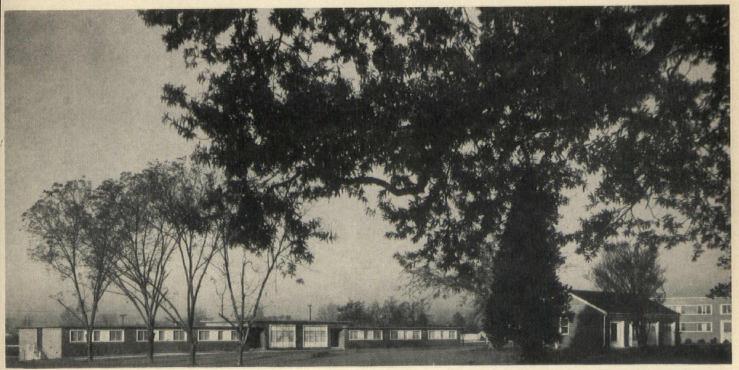
POMPEI TILE CO., INC., Hampton Ceramic tile

ACOUSTICS CORP., Norfolk Resilient tile

DOOR ENGINEERING, Norfolk Steel doors and bucks

SMITH & KEENE ELECTRIC SERVICE, INC., Newport News Electrical work

WARWICK PLUMBING & HEATING CORP., Newport News: Plumbing fixtures, plumbing, heating, ventilating



PAGE SEVENTEEN

CHARLIE OVERSTREET

(CONTRACTORIO CONTRACTORIO CONT

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Excavating contractor for the new Thrasher Memorial Church, page 9

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Piling (caissons) for V.P.I. Student Activities & Physical Education Building, pages 6 and 7

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Norfolk, Va.

Steel roof deck and steel joist for Campostella Junior High School, presented on page 4

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St. Reg. No. 6011

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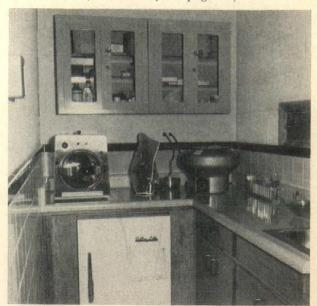
GENERAL CONTRACTORS

Commercial · Industrial · Residential

General contractor for the Post Signal Bldg. #246 and Bell Telephone additions and alterations, pages 10 and 11

U.S. INSTRUMENT CORPORATION

(Continued from page 13)



The 1962 construction included the addition of an employee medical center, shown above.

SUBCONTRACTORS & SUPPLIERS

(All Charlottesville firms unless otherwise specified)

IVY CONSTRUCTION CORP. General contractor, excavating, foundations, concrete, masonry, carpentry, insulation

 $\begin{array}{ll} \textbf{MONTAGUE-BETTS} & \textbf{CO., INC., Lynchburg} \\ \textbf{Steel} \end{array}$

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CHARLOTTESVILLE GLASS & MIRROR CO. Windows (Truscon)

PITTSBURGH PLATE GLASS CO., Richmond Glazing

GEORGE W. WAHL Painting

HOME MATERIALS, INC. Paneling, millwork

MANSON & UTLEY, INC. Acoustical

OLIVA & LAZZURI, INC. Ceramic tile

McL. T. O'FERRALL & CO., Richmond Resilient tile

THE STALEY CO., INC., Richmond Steel doors and bucks

OMOHUNDRO ELECTRIC CO. Lighting fixtures, electrical work

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GRINNELL CO., INC., Richmond Sprinkler

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(As of Nov. 8, 1963)



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-A Healthy Climate for Industry-_____In the Old Dominion____

by

Edgar J. Fisher, Jr., Director Virginia Council on Health and Medical Care

A recent issue of the VIRGINIA RECORD was devoted to industrial development. It told of the energetic program being carried on by the Governor, the Division of Industrial Development and Planning, and by the Virginia Industrialization Group. It explained what they are doing to encourage industrial concerns to locate their plants in the Commonwealth. A similar program of "selling" Virginia—this one to professionals in the health field—has been carried on by the Virginia Council on Health and Medical Care since the middle 1940's. It is helping to provide a healthy climate for the State so that new industry will be attracted to the Commonwealth.

The Virginia Council on Health and Medical Care was formed in 1946 when Virginia had many pressing health needs. At the time, less than half of our counties had local health departments, our mental hospitals were a disgrace, our two medical teaching centers needed to be expanded, there was a critical shortage of general hospital beds, tuberculosis sanatoria needed upgrading, more funds were needed for indigent hospitalization, and so on. It was felt by those working in the health and related fields that faster and more

effective progress could be made in meeting these needs if all groups could get together and cooperate for the common good of all. This prompted the organizing of the Virginia Council on Health and Medical Care which was recently referred to editorially in *The Roanoke Times* as "the most effective organization of its kind in the nation."

During its first years, the Virginia Council placed its emphasis on a broad educational program to acquaint the people of Virginia with the health needs in the State. Public meetings were held, the communications media used, and the Council published Public Opinion Reports which detailed the needs and urged that something be done to meet them.

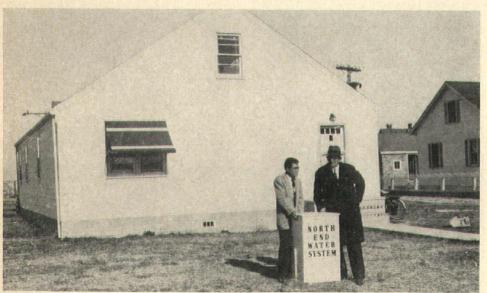
Through the cooperation of many organizations working with and through the Virginia Council, and with the sympathetic response from the General Assembly, health history was made in the Commonwealth. For example, Virginia started participating in the Hill-Burton Program of Hospital and Health Center Construction. Since then some 6000 new general hospital beds have been built. Now all of our counties have local health departments. Our mental hospitals have been considerably im-

proved, our medical teaching centers have been expanded, more money has been made available for indigent hospitalization under the State and Local Hospitalization Program, and more adequate salaries have been forthcoming for those State workers in the health field. The three State tuberculosis sanatoria underwent drastic changes and extensive building programs. State matching money was made available to build dormitories at approved schools of nursing. Scholarship programs were started for medical, dental, and nursing students.

The Virginia Council then was asked to undertake several specific service type activities. The first to be started was its Physician Referral Service. Cooperating with The Medical Society of Virginia, Medical College of Virginia, University of Virginia, State Department of Health, State Board of Medical Examiners, and American Medical Association, the Council serves as a clearinghouse for communities seeking physicians looking for places to practice. Since 1950, over 370 physicians have found locations in every part of the Commonwealth. The success of this service has been an important factor in providing a better distribution of medical care in the State.

The Physician Referral Service is important to the economy of small communities. This was pointed out dramatically in a recent survey conducted by the Sears-Roebuck Foundation in Nickelsville in Scott County. The survey showed that while visiting physicians in neighboring communities, Nickelsville citizens spent over \$43,500 on groceries. farm supplies, clothing and the like. They also paid doctors in those communities over \$32,000 and spent \$25,-000 on drugs. These expenses, and perhaps others, constituted an economic drain on Nickelsville, much of which would not have been lost to local merchants had there been a full-time physician available.

Cooperating with the Virginia State Dental Association, the Dental School at the Medical College of Virginia and the Virginia State Board of Dental Examiners, the Virginia Council administers a Dental Referral Service similar to the one for physicians. For a number



The Tangier Island Clinic built and equipped by the citizens of Tangier with financial help from the Golden Cross of the Methodist Church, the Tangier Town Council and the Old Dominion Foundation. Standing by the first deep fresh water well on Tangier are Dr. Mikio Kato, left and Dr. C. C. Bell of the Golden Cross. Funds for the well were given by the Old Dominion Foundation.



Mrs. Cynthia Warren, assistant Director, Virginia Council on Health & Medical Care, answers questions about and discusses careers in the health field with a group of high school students.

of reasons, this service has not been as active. It is, however, an important resource for dentist-short communities and dentists looking for locations.

With the help of a grant from Paul Mellon's Old Dominion Foundation, which the Council matched, a Health Careers Program was started. The purpose of this program is to present factual information on 18 major health professions to students with the hope that some will become interested in considering a career in health. Since 1960, the Health Careers Program has been presented 372 times in 284 secondary schools and 14 colleges to an audience of approximately 125,000 students. About 11,467 written requests for more information on careers in health have been processed by the Council. This pioneering cooperative program has attracted attention throughout the United States as an effective and relatively inexpensive way of helping to meet the shortage of medical manpower. Professional schools in Virginia have begun to notice an increase in applications and a higher quality among many applicants. This program is essential to all hospitals and health programs as both hospitals and health programs are relatively useless without personnel.

Among the other activities in which the Virginia Council on Health and Medical Care is involved is that of administering the Nemours Founda-

tion Conference Program in the Old Dominion. With funds provided by Mrs. Alfred I. du Pont's Foundation, the Council has organized five Statewide meetings and has assisted in planning parts of 35 annual meetings of State-wide organizations by bringing 70 nationally prominent physicians and educators to our State as speakers. As a direct result of the Nemours Foundation Program in Virginia, services and facilities for handicapped children have been strengthened and improved. The Foundation's Medical Director, Dr. Alfred R. Shands, Jr., a Virginian, has provided great leadership and encouragement to help make this Virginia Council sponsored program a success.

Good nutrition is another special area of interest for the Virginia Council. As one of the activities of its Nutrition Committee, the Council plans and sponsors an annual Nutrition Forum financed by Thalhimers. Recognized authorities in this field have been brought to Richmond to participate in these meetings. To date seven forums have been held. Each forum attracts from 400 to 500 persons.

If Virginia is to attract new industry to participate in the industrial growth of the Commonwealth, a healthy climate for such development is vital. By helping to provide a better distribution of physicians and dentists, by educating the people of the State to their health needs, and by promoting careers in

health to meet medical manpower shortages, the Virginia Council on Health and Medical Care is in a very practical way providing the necessary healthy climate for industrial development.

An important fact is that this is being accomplished in the free-enterprise way. The Council receives no tax support but rather depends on financing from industrial concerns, banks, hospitals, organizations, professional societies, foundations and individuals.

Commenting editorially on the recent Virginia Council's annual report, The News in Lynchburg wrote: "Best of all, of course, is the fact that these programs are conceived and carried out by a privately supported organization the remarkable strides of the Council have been made without a penny of tax monies. Year by year its activities grow greater in scope and in value to the Commonwealth, and in a time when virtually every eye and palm turns to Washington for handouts to meet 'needs', Virginia's Council on Health and Medical Care provides refreshing evidence that with private enterprise the best solution lies virtually at one's own doorstep." Thus within the framework of free enterprise, without tax money, the Virginia Council on Health and Medical Care is promoting a healthy climate for new industry in the Old Dominion.

WHOSE BREAD I EAT-HIS SONG I SING

by J. G. McDaniel, M.D.

I remember, as a small boy in knee britches, going with my father to hear an address by the Honorable Stephen Pace, then congressman from the old Georgia 12th District. It was on the banks of the Ocmulgee River. There was a barbecue, and citizens, especially farmers, from all the counties gathered. This was before the first World War.

It seemed that someone in the Congress had introduced a bill that would give the farmers some money provided they did something. The congressman vigorously opposed it. I have no idea what it was, because I was watching a "dirt dobber" making a ball of mud. The congressman snapped me back to attention, however, when he said, "I'm going to tell you a true story about the wild hogs that once lived about forty

miles down the river."

"Years ago," the congressman said,
"in a great horseshoe bend down the river, there lived a drove of wild hogs. Where they came from no one knew, but they survived floods, fires, freezes, droughts, and hunters. The greatest compliment a man could pay to a dog was to say that he had fought the hogs in Horseshoe Bend and returned alive.

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"Finally a one-gallused man came by the country store on the river road and asked the whereabouts of these wild hogs. He drove a one-horse wagon, had an ax, some quilts, a lantern, some corn, and a single barrel shotgun. He was a slender, slow-moving, patient man—he chewed his tobacco deliberately and spat very seldom.

"Several months later he came back to the same store and asked for help to bring out the wild hogs. He stated that he had them all in a pen over in the swamp.



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"Bewildered farmers, dubious hunt ers, and storekeepers all gathered in th heart of Horseshoe Bend to view th

captive hogs.

"'It was very simple,' said the one gallused man. 'First I put out som corn. For three weeks they would no eat it. Then some of the young one grabbed an ear and ran off into the thicket. Soon they were all eating it then I commenced building a per around the corn, a little higher each day. When I noticed that they were al waiting for me to bring the corn and had stopped grubbing for acorns and roots, I built the trap door. Naturally, said the patient man, 'they raised quite a ruckus when they seen they was trapped, but I can pen any anima on the face of the earth if I can jist ge him to depend on me for a free handout.'

We have had patient men in our central government in Washington for years. They are using our own dollars instead of corn. I still think about the trap door and the slender, stooped man who chewed his tobacco deliberately when he spat and turned to the gathered citizens many years ago and said, "I can pen any animal on the face of the earth if I can jist get him to depend on me for a free handout."

This article is reprinted from the November 1961 Bulletin of the Fulton County (Georgia) Medical Society.

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Bituminous paving, curbs, etc., for Campostella Jr. High School, page 4

PAGE TWENTY-FOUR

VIRGINIA RECORD

Founded 1878

"Can You Remember?"

(Continued from page 3)

From outside the window, on the treet below, dimly rose the soundsney could scarcely be classified as music of one of the German small bands hat used to play on the streets of New ork. (They, along with the Italian rgan grinder, were later banned by layor LaGuardia.) Mostly to get out t our way, Paul crossed to one of the wo windows facing the street and aised it. The blaring of the band, laying something like "Come, All Ye 'aithtul," became clearer and more orrible. After a minute or so, with the old winter air knifing into the room, aul said, "You know, one of my ousins once was the shame of our amily by playing in a band like this. Ie was a good musician who took a trange turn in his life."

We then remembered that Paul was of German extraction and had, in fact, tayed with German cousins when he lid graduate work at the University of

Berlin.

"I'll bet," he said, "they could play vell if I properly encouraged them."

He took out a five dollar bill and vrapped it around a silver half-dollar o it could be tossed down to the energetic but spiritless players. "I'll ask hem to play a German carol," he said. 'I'll ask them to play Silent Night."

Leaning his immense torso out over he window ledge, he bellowed down omething in German until he attracted the four men's attention. When they baused to glance up to this speaker of heir own tongue, he tossed down the money. When the band leader showed he five dollar bill to his fellows, they all waited breathlessly on Paul's request. "Stille nacht, helige nacht," he called down.

They took a little time to start. Then he horns that so recently had sounded no more musical than a fire-gong began to play softly and slowly. Perhaps because of the relief and change from the previous blaring, the music incredibly sounded lovely. From the window, Paul began to sing. After he sang a few bars, it seemed to my room-mate and me that we heard another voice, or voices, join in from across the street. We moved to the other window, opened it and leaned out.



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Ceramic tile for U. S. Instrument Corp., page 13

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Installation of sprinkler system for Campostella Jr. High School, page 4

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See the V.P.I. Coliseum, pages 6 and 7



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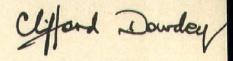
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As we did, we observed window going up all along both sides of 113 Street. Slowly other voices took up the song, until maybe one hundred void were singing Silent Night, Holy Nigh What was most impressive about t spontaneous chorus was that eve person was singing reverently. The Mencken - following Babbitt - scorne had each returned to the sentiment which he had grown up. The solemn sung carol, of the block long choru filled the blue winter night from John's Cathedral to the Hudson Rive a block west of upper Broadway.

When the singing was over, a m mentary hush settled over the street Then the windows began to go dow and the musicians, knowing there coul be no encore, moved off to another street. We closed the windows to or room and for a time none of us sai anything. But there, in the supposed "roaring twenties," among a grou dedicated to a man to the sophistics tion that repudiated all the sentimer that existed before we reached ou transitory status of lords of life, sentiment from our formative year in innocent family backgrounds cu through all the veneer of what w proudly regarded as the new civilization

When-as I do each Christmas sea son-I remember that dusk, with th voices singing from the lighted wir dows, no conditions around me car touch the association evoked by tha one Christmas carol. As a way of ex tending the most sincere greetings fo the season, I hope that you can call u such an association that will make th spirit of Christmas for you imperviou to whatever commercialism does destroy the meaning of the season.



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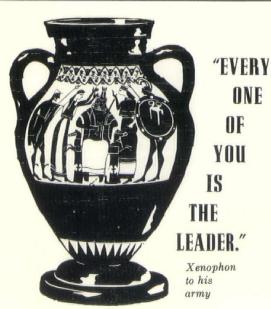
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Greek Amphora c. 550 B.C.

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Let us accept the challenge of Xenophon. Let us all be leaders.



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