CONTRACTORS' BOARD
Safeguard of the Public

also presenting

VIRGINIA
A.G.C.
REVIEW
... eliminate the message bearers!

If the memories of the last structure you designed and built and the elevator problems you faced still haunt you, your best bet is to talk to Southern Elevator Company. There's no need to design a building around an elevator; Southern designs, builds and installs the elevators to fit the structure. You don't work with a company representative ... you deal directly with the man who will do the designing, supervise the elevator building and direct the installation. It's nice to eliminate the frustration of a chain of message bearers ... we find things get done this way.

You can rely on Southern's personal service for design, construction, installation and maintenance throughout the Southeast. Invite us to come by and blow our horn!

SOUTHERN ELEVATOR CO.

Main Offices and Plant: Greensboro, N. C. | Branch Office: Charlotte, N. C.
A GOOD NAME TO BUILD ON
SANFORD BRICK
START YOUR NEXT BUILDING PROJECT WITH A STUDY OF THE WIDE RANGE OF FINISHES, COLORS AND SIZES IN THE "BIG S" LINE

SANFORD BRICK and TILE CO.
SANFORD, N. C.
ONE OF THE NATION'S LEADING BRICK COMPANIES

WISE CONTRACTING COMPANY, INC.
CONSTRUCTION SINCE 1904
STATE REGISTRATION NUMBER ONE

2007 BROOK ROAD
RICHMOND, VIRGINIA
It's elementary!!
You can build a better school with First Family Brick!

Why? It's as simple as ABC. First Family Brick gives you:

Advantages — A first family brick school is safer, more durable, easier to heat and air condition.

Beauty — Build a school with first family brick and you are sure of lasting beauty.

Never fades; never needs repairing.
Cost saving — First Family brick gives you initial economy, plus lower maintenance and insurance costs. You lower your building costs.

Brick from Boren, Kendrick, Broad River. Crafted with pride, fired with beauty.

BOREN
KENDRICK BROAD RIVER

Divisions of Boren Clay Products Company, Pleasant Garden, N.C.
The "Patients" Grow Impatient

PART TWO—CONCLUSION

In referring to the public's demand for efficiency in the medical profession, comparable to that in other public services, I do not mean to imply lack of efficiency in the individual physician in his specialized area. The point is that advances in medicine, along with the personal needs of the doctors for their face in the sun, has made the healing of human ailments an unwieldy, inefficient and high-priced commodity. At this stage in time, the public has centered its prestige in the individual physician in his specialized area. The point is that advances in medicine, along with the personal needs of the doctors for their face in the sun, has made the healing of human ailments an unwieldy, inefficient and high-priced commodity. At this stage in time, the public has centered its prestige in the individual physician in his specialized area.

This ground-swell of protest, fostered by the government's implied promises of a healing heaven under socialized medicine, has caught the doctors unawares. However, badly outraged at being placed under government control, as a profession (not as individuals) physicians tend to defend themselves for the grounds of their ancient privileges rather than meet the new demands. They evacuated the grounds of their privileges when they renounced the role of the remembered "family doctor." Though this renunciation was absolutely necessary, the doctors, quite understandably, had formed mental habits and habits of practice along with dog-eared copies of Life Magazine and similar cultural speci­mens before taking his turn at being hurried through the conveyor belt system: Doctor will see you now.

There are, of course, sometimes brief waits in well-lighted, comfortable sitting rooms—with new copies of Life Magazine—but it is the waiting, sick or half-sick. As long as doctors are competing financially for success, I imagine the waiting system is inevitable; and, even though "emergencies" too often the excuse, there are emergencies which make it impossible for a doctor, the best and most conscientious, to keep a schedule. But it is upon the patients' minds that all schedules are revolving around thector, and the once respectful public some while ago began to ask the simple question, "Why should it?"

That comes to the basic point that the public is no longer respectful in general. In referring to the public's demand for efficiency in the medical profession, comparable to that in other public services, I do not mean to imply lack of efficiency in the individual physician in his specialized area. The point is that advances in medicine, along with the personal needs of the doctors for their face in the sun, has made the healing of human ailments an unwieldy, inefficient and high-priced commodity. At this stage in time, the public has centered its prestige in the individual physician in his specialized area.
DEWEY SERVICES

Heating • Refrigeration
Air Conditioning
Contractors

Phone 560-1711
3907 Lee Highway
Merrifield, Virginia

JOHN E. BELL

Painting & Decorating
Contractor

Residential • Commercial
Industrial

3737 North Delaware
Arlington, Virginia

GEORGE W. CORCORAN

General Building
and
Carpentry Work

Phone EL 6-5273
P.O. Box 125
McLean, Virginia

FRANK E. DALEY
COMPANY

Bowling Lanes
Construction
Resurfacing – Remodeling

Phone (301) GR 4-4761
4420 Samar Street
Beltville, Maryland
The Headlines Blazed:
“Highway Approach Ramp Collapses Killing Workmen; Sub-Standard Materials Used in Construction.”

The newscaster intoned: “It was learned today that the materials used in the city’s new multi-million dollar public building are 15 per cent straw. The contractor is under investigation.”

These are not fictitious incidents—they really happened. But not in Virginia.

Public buildings and roads are built with taxes administered by public officials. Public officials in Virginia, both state and local, are known for their honesty, for their cold shoulder attitude toward graft and corruption.

Competition among the contractors is so keen, too, that any dishonest ones soon would be weeded out by their betters, whether it be work for a municipality or the private property owner, says Edward L. Kusterer, executive secretary of the State Registration Board for Contractors.

What Kusterer is more hesitant to add is that the very existence of the Contractors’ Board is both protector and deterrent. It is a protector of the public which pays for the work either with private funds or taxes and a deterrent to the blatantly unqualified contractor as well as the man who operates in the gray.

Kusterer’s hesitancy is based in modesty, though, not on lack of awareness of what the board has done in protecting the public from losing millions, or even billions, of dollars to unqualified or adequately financed or trained contractors since it was authorized by the Virginia General Assembly in 1938.

Initially the protection to the public takes place in the board’s...
office, located in the Hotel Richmond-West. There come the applications from Virginia and non-Virginia contractors of all classifications seeking to undertake jobs of more than $20,000 in the state. The applications are carefully screened and investigated and then passed on, with the investigative findings, to the five-member board for action. Upon approval a contractor is issued a certificate designating the nature of the work he is authorized to do in Virginia for a year. The certificate must be renewed each year or whenever there is a change in ownership or the type of work to be done.

Lack of certification should not indicate dishonesty or inferior qualifications on the part of the contractor undertaking smaller jobs. Although many do seek and receive registration, the law does not require this of any contractor doing work for which the bid is under $20,000.

So much for the initial hurdle. What happens if a registered contractor errs or is charged with wrong-doing? The board also receives these reports on both general and sub-contractors and an investigation is conducted. If there is evidence to indicate wrongful action, the contractor comes before the board to answer the charges. If found guilty, the contractor may lose his license or certificate.

The board may revoke the certificate of registration of any general or sub-contractor who is found guilty, after an appropriate hearing, of any fraud or deceit in obtaining the registration, or gross negligence, incompetence or misconduct in the practice of his profession, or willful violation of any provision of the registration law. The contractor may appeal the decision of the board and take his case to the courts if he desires.

So seldom does this happen, though, that Kusterer is unable to recall one instance when a certified contractor has been charged with using inferior materials and only rare instances of inferior workmanship. Knowledge that the license or certificate to do business in Virginia can be lost for dishonesty—or for hiring a non-certified subcontractor—is deterrent enough for most contractors.

This is not to say that there are no reports of improper actions by the contractors but most fall into two categories: (1) disgruntled private homeowners who were dissatisfied with the way the cabinets were installed or the tiles laid or (2) persons knowing of contractors doing jobs of $20,000 or more without being certified. In the former case Kusterer advises that homeowner and contractor get together and talk. “I advise the complainant to talk to the contractor nicely and not get mad at him. In most of these cases it's a matter of a breakdown in communications.”

Often the complaints about residential contractors come from housewives. They generally involve firms doing jobs of under $20,000 and not required by law to be registered. Then Kusterer recommends that the complainant talk with an attorney—the board has no authority in these cases.

When a contractor undertakes a job of $20,000 or more without having registration or if he is registered but hires an unregistered subcontractor, the board's action can be swift and final. The board has the authority in these cases to request all work on the job to stop immediately and that the contract be terminated. Should the contractor fail to comply with the board's request, then the case is turned over to

(Story continued on page 12)
A. B. Burton of Lynchburg is chairman of the State Registration Board for Contractors and president of A. B. Burton Company, Inc.

Burton was educated at Mars Hill College, Mars Hill, N. C., and was first employed by the First National Bank of Danville. In 1922 he joined the Tobacco Growers Association and remained with that organization until 1925 when he became affiliated with Chandler Brothers, Inc., at Virgilina. In 1941 he organized his own firm and moved to Lynchburg. His company was incorporated in 1945.

Burton is past president of the Virginia Road Builders Association and chairman of the Advisory Council on Nursing Training for Virginia. He is a member of the Masonic Temple, Scottish Rite, York Rite and Shrine and past potentiol of Kazim Temple, A.A.O.N.M.S. He is a member of the board of trustees of Shriner's Crippled Children's Hospital, Greenville Unit.

In addition, Burton is a member of the advisory board of the First and Merchants National Bank, board member and chairman of the building committee of Seven Hills School, past president of the Lynchburg Kiwanis Club and member of the board of directors of Boonsboro Country Club. Burton is a member of Rivermont Presbyterian Church where he is member of the board of elders and president of the Fellowship Bible Class.

Burton has a second major interest—farming—and he owns a 600 acre farm in Halifax County where Black (Continued on page 12)

JAMES W. ENOCHS, JR., Hopewell
Vice Chairman

The present vice chairman of the Contractors' Board is James Wilson Enochs, Jr., of Hopewell, president of J. W. Enochs, Inc.

Enochs was born in Hopewell on May 26, 1928. He was graduated from Hopewell High School, received a B.S. degree in engineering from Virginia Military Institute and did a year of graduate work at the Wharton School of Finance and Business of the University of Pennsylvania. He served as an officer in the United States Air Force engineers with assignments in Massachusetts and Korea before being discharged in 1952.

The Board member held several positions with J. W. Enochs, Inc. before becoming president in 1958. He also is a former secretary, treasurer and director of Battle-ground, Inc., builders and developers, and former general manager of Virginia Perlite Corp.

Enochs is now president and director of the Appomattox River Basin Development Corp.; a member and former chairman of the Fort Lee Army Advisory Committee; a director of the Petersburg-Hopewell Gas Co.; a member of the advisory board of the Hopewell Branch of State-Planters Bank of Commerce and Trusts; and a member of the Virginia Ports Authority.

In 1954, Enochs was elected to the Hopewell City Council and served as mayor from 1956 to 1958 and as vice mayor from 1958 to 1962. He was named to the Contractors' Board in 1962. He also is a director of the Chamber of Commerce and former director of the Retail (Continued on page 12)
EDWARD LEO KUSTERER, Richmond
Executive Secretary

Edward Leo Kusterer is the second executive officer of the State Registration Board for Contractors, assuming that post in December, 1953, and succeeding the late Charles P. Bigger.

He was born in Richmond on February 20, 1910 and educated in parochial and public schools.

Kusterer began his career in the mechanical line and later entered the administrative field. He spent 17 years with the U.S. government in various capacities including personnel and general administration. Among his positions were personnel officer for the National Park Service, chief of the property disposal division of the War Assets Administration and production control officer of the Public Housing Administration.

During World War II Kusterer served in Naval Intelligence and was a line officer in the Southwest Pacific area. He attained the rank of lieutenant senior grade.

Kusterer is a member of the Roman Catholic Church and the American Legion. He is a Past Grand Knight of the Richmond Council of Knights of Columbus and past district deputy of the organization; past president of the West End Catholic Men's Association and past president of the McGill Catholic Union.

DONALD E. ("PETE") BALL, Falls Church
Board Member

Donald E. "Pete" Ball of Falls Church has been a member of the Contractors' Board since 1955.

A native of Clarendon where he was born in 1905, Ball was first appointed to the board by Gov. Thomas T. Stanley and was reappointed by Governors Almond and Harrison. He served as chairman in 1963-64.

Ball was educated in Arlington County schools and was a professional baseball pitcher with teams in Raleigh, N.C. and Nashville, Tenn.

He began his contracting career with the Northern Virginia Construction Company, becoming secretary-treasurer and chairman of the board of that firm. He also is former president of the Virginia Sand and Gravel Co., Inc. In June, 1964, a syndicate of which he is a member purchased Rochester Ropes, Inc. at Culpeper and he is vice president of that corporation.

Ball is a former director of the American Road Builders Association and former board member of the Virginia Manufacturers Association. He is a past president of both the Virginia Road Builders Association and the Virginia Minerals and Aggregates Association.

"Pete" Ball has served as president of the Fairfax Hospital Association since 1955. He is a corporate member of the board of trustees of Alexandria Hospital, board member and past president of the Washington Golf and Country Club, member of the Alexandria and Fairfax County Chambers of Commerce and member and past president of the Mount Vernon Kiwanis Club. Ball is (Continued on page 12)
WILLIAM H. REID, Suffolk
Board Member

William H. Reid of Suffolk is serving his second term as member of the Contractors' Board.

A partner in Reid & Hope, a building and industrial construction firm with its main office in Suffolk, Reid was first appointed to the board by Gov. J. Lindsay Almond Jr. on June 3, 1960. He was reappointed for a second five-year term by Gov. Albertis S. Harrison on June 2, 1965. He was elected chairman for 1964-65.

Reid was born in Elizabeth City, N. C., and after completing his education moved to Norfolk where he held executive positions with several construction companies before entering the Navy during World War II. He served from 1943 to 1946 and was discharged as a lieutenant junior grade. While overseas he was an engineering officer in a naval construction battalion on Saipan and Okinawa.

When he returned to the United States after the war he founded the contracting firm of Reid & Hope.

Reid is a steward and past chairman of the official board of Oxford Methodist Church in Suffolk. He is a Rotarian and former director of the Rotary Club; member of the American Society of Military Engineers and the Engineers Club of Hampton Roads; serves on the advisory board of the Seaboard Citizens Bank in Suffolk; is a member of the Suffolk School Board and now is a director of the Virginia State Chamber of Commerce. He also is former president and director of the Suffolk-Nansemond Development Corporation and former director of the Suffolk-Nansemond Chamber of Commerce; a member of the (Continued on page 12)

WELLFORD ROSS SUTHERLAND, JR., Richmond
Board Member

Wellford Ross Sutherland, Jr. is a resident of Richmond where he was born December 7, 1921. He was educated in Richmond public schools and attended Virginia Polytechnic Institute Extension in Richmond.

Sutherland has been affiliated with Hughes-Keegan for 31 years, starting work with the firm at the age of 12 and working there in various capacities after school and during summers. In 1947 the company was reorganized and Sutherland became a stockholder and an officer in Hughes-Keegan, Inc. He was elected president in 1953, a position he still holds.

During World War II Sutherland served in the engineering department of the U.S. Naval construction battalion in the Pacific theater for three and one-half years.

Sutherland was appointed to the Contractors' Board by Governor Harrison on July 1, 1963.

Sutherland's hobbies are golf and cabinet making and he is a past president of the Richmond Hobby Club. He is a member of St. Giles Presbyterian Church and a past commander of American Legion Post No. 316. He was one of the founders and a two-term president of the Richmond Area Municipal Contractors Association. He also is a member of the Country Club of Virginia and the Commonwealth Club.

He is married to the former Mary Neal and they have one daughter, Elizabeth.
CONTRACTORS' BOARD
(Continued from page 8)
the local commonwealth's attorney and the local court is asked to issue an injunction or restraining order.
The board usually takes a somewhat kindly attitude about these work-stop orders, though. "We don't want to penalize the owner who's innocent so we allow time to finish putting on the roof of a house or to complete footings for a new building," says Kusterer. Work-stop orders apply to all types of contracting. Recently the board brought to a halt work on construction of a new department store in northern Virginia when it was learned that the registered contractor had hired a non-registered subcontractor to do the excavating.

If the board receives a complaint against a registered contractor, then the accused party is written to and the charges outlined. If investigation proves there is basis for the charges, the contractor is given a chance to take corrective action but also is reminded that state law provides for a hearing before the board and possible subsequent loss of registration.

One contractor faced the alternative a few years ago and decided to take his chances on the board rather than the property owner. He appeared before the board with his attorney, prepared to plead his innocence. But when accused and attorney were confronted with actual photographs of shoddy workmanship, the attorney turned to his client and advised him to withdraw his application for renewal of his certificate.

Here, let's have a word of caution to the casual reader who sees the board as a good place to retaliate against the builder who, he thinks, sold him a poorly built house. First, does he do jobs of only under $20,000? If so, he is not required to be registered. Secondly—and this is vital—is he a builder, only, and not also a contractor? Again, he is not required by law to be registered although many are voluntarily and all are encouraged to be by homebuilders associations.

A builder is one who builds and sells a finished product. A contractor is someone who hires his services to others to construct from someone else's plans—the landowner (or property owner if additional work is to be done on existing facilities) buys the contractor's integrity and competence. A builder may construct, say, ten houses on land he owns and offer them for sale to buyers but it is the completed house on a parcel of land that is finally bought.

Perhaps those two words used above to describe that which an owner seeks in hiring a contractor—competence and integrity—also are clues as to why there is so much reliability among men certified to do business in Virginia. Certainly they are major requirements in getting Contractors' Board certification and are characteristics most sought in the pre-qualification investigations.

A contractor wanting to operate in Virginia must submit an application at least 30 days prior to a board meeting (meetings are held in January, April, July and October and generally in Richmond). This provides time for Kusterer and his staff to complete a thorough investigation, largely by mail, of the applicant. And thorough it is too. Woe betide the man who thinks he can hide something in his past. The man who just "forgets" to mention a prison record for fraud might as well forget about contracting in Virginia, at least for a few years; whereas another man who's proven himself in his business and personal life over a period of years since a felony (Continued on page 27)

VIRGINIA RECORD
COMMERCIAL BUILDING SERVICE, INC.

GENERAL CONTRACTORS

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

SERVICE CONTRACTS

Phone 855-2769 4811 Bruce St.
Norfolk, Virginia

BRYANT & KING COMPANY, INC.

GENERAL CONTRACTORS

RESIDENTIAL — COMMERCIAL
INDUSTRIAL

Phone 247-1473
2704 Chester Ave. Newport News, VA.

IMMER & COMPANY INCORPORATED

3813 Livingston St., N.W.
Washington 15, D.C.
EM 2-8858

GYPSUM DRYWALL CONTRACTORS

MEMBER: GYPSUM DRYWALL CONTRACTORS INTERNATIONAL
HICKS & INGLE CO. OF VIRGINIA, INC.

Mechanical Contractors

5500 Virginia Beach Blvd.
Phone UL 5-4735
NORFOLK 2, VIRGINIA

Brisk Waterproofing Co., Inc.
St. Reg. 2852
Serving Virginia and the South for 25 Years

FOR EXISTING BUILDINGS WE SPECIALIZE IN:
- Repointing
- Caulking
- Steam Cleaning
- Masonry Repair
- Restoration
- Waterproofing

Estimates Without Obligation

1205 School St.  Phone 643-1556
RICHMOND, VIRGINIA

Austin Explosives
Fast Delivery from Convenient Locations

Call your nearby Austin distributor today!
explosives • primers • blasting supplies
detonating fuse • drill heads

WEST VIRGINIA
Belington  Phone: 823-1761
Buckhannon  Phone: 472-1600
Chapmanville  Phone: 855-4621
Elkins  Phone: 636-4015
Huntington  Phone: 522-3751
Masontown  Phone: 864-2183
Matoan  Phone: 426-4731
Mount Hope  Phone: 877-2301
West Columbia  Phone: 773-5693

VIRGINIA
Grundy  Phone: 835-2369
Norton  Phone: 679-2431
Fork Union  Phone: 842-3589

NORTH CAROLINA
Charlotte  Phone: 332-6510
Raleigh  Phone: 787-3774
Waynesville  Phone: 456-8952

TENNESSEE
Blountville  Phone: 323-5380

SEPTEMBER 196
VIRGINIA A. G. C. REVIEW
OFFICIAL SECTION,
VIRGINIA BRANCH, A.G.C.

Featuring:
• PLAN BULLDOZER
• A.G.C. NATIONAL COMMITTEEEMEN
• CARPENTER CONSTRUCTION CO., INC.
• FRITH CONSTRUCTION CO., INC.
and confusion. Preparedness is the best solution to its aftermath. This state of planning. It is a condition in which preparedness is achieved by emergency materials... operate equipment... and supply skilled personnel as long as necessary under the direction of the civil or military authority in charge of disaster relief.

**PLAN BULLDOZER**

Whether the disaster is an earthquake, explosion, flood, fire, snowstorm, tidal wave, windstorm, or a war, the contractor's mission is to furnish materials... operate equipment... and supply skilled personnel as long as necessary under the direction of the civil or military authority in charge of disaster relief.

**PLAN BULLDOZER** is a program to enable the contractor to carry out this mission with the greatest possible speed and efficiency.

The Virginia Branch—Associated General Contractors of America, under the Chairmanship of Samuel Hopkins Shrum, is presently drafting **PLAN BULLDOZER** for implementation in the Commonwealth of Virginia. Seven District Chairmen, to correspond with the seven Districts of the Virginia Branch—AGC, have been selected by Mr. Shrum to coordinate the program on a local level, and the State Coordinator for **PLAN BULLDOZER** will be Robert B. Woodward, Executive Secretary of the AGC in Virginia.

Key state officials, as well as representatives of the Bureau of Docks and the Corps of Engineers, have indicated enthusiasm over the possibility of **PLAN BULLDOZER** being adopted for Virginia, and have pledged their cooperation.

Governor Harrison has also expressed keen desire to see the program activated in the near future, and has asked appropriate state officials to extend their cooperation.

The Richmond offices of the Virginia Branch—AGC will serve as state headquarters for **PLAN BULLDOZER**, and will be equipped with standard disaster relief equipment such as priority telephone facilities, battery-operated universal channel radio, portable TV set, detail maps of the state outlining major and secondary arterial systems, and up-to-date lists of all major construction equipment available throughout the state.

**PAGE SIXTEEN**

**PLAN BULLDOZER EMBLEM**

This is the official emblem used by all contractors participating in **PLAN BULLDOZER**. It is the official emblem of the program throughout the nation, and can be displayed only by those officially certified as **PLAN BULLDOZER** personnel. The use of this distinctive emblem identifies participants, their equipment and personnel, and will permit access to those displaying the emblem to disaster areas.

**Supplies for support, and (5) Public Relations and Communications.**

These prime posts will be deeply echeloned so that every key official will have one or more alternates to assist or replace him, depending on the circumstances.

**When will **PLAN BULLDOZER** come to the rescue? To us, there is a "disaster" only when public facilities cannot arrest further damage to human or property values, or re-establish an orderly physical environment. Our services will be directly available to any legally constituted authority or authorities conducting a disaster fight.**

As our object is to give service, not demand it, we shall prepare and execute our plans with minimum inconvenience to the public and its officials. Also, planning and preparation will be accomplished without cost to the general public.

As mentioned before, but because it is so important in this type of program, AGC chapter disaster staff positions will be deeply echeloned to allow for 24-hour, 7-day operations, thus avoiding a breakdown in the program because of absence from the city of staff personnel... or as a result of disaster casualties.

Although **PLAN BULLDOZER** is no better than the personnel managing and directing it, the heart of the program is the availability of various heavy equipment so vital in disaster areas. Selecting disaster equipment at random, we will list availability of items such as air compressors, backhoes, barges, dragline buckets, steam boilers, fuel carriers, cranes, derricks, diving equipment, rock drills, generators, graders, jacks, concrete mixers, motorboats, pile drivers, bituminous plant mixers, rock crushers... (Continued on page 22)

**VIRGINIA RECORD**

**Founded 1870**
National A.G.C. Committeemen

The following members of the Virginia Branch—AGC have been either appointed or reappointed to various National AGC Committee Posts and Directorships for 1965-66. These assignments represent recognition of their talents which have been applied on a state level, and their expert knowledge of construction industry technology highly qualifies them for these important national assignments:

WILLIAM G. BRYSON, Tidewater Construction Corp., Norfolk, Safety Engineers (AGC Joint Cooperative Committee).

C. CLINTON CARPENTER, Carpenter Construction Co., Inc., Norfolk, Construction Industry Manufacturers Association—AGC (Joint Cooperative Committee).

AARON J. CONNER, Aaron J. Conner, General Contr., Inc., Roanoke, Membership Development Committee—Building.

JAMES F. HOPE, Reid & Hope, Suffolk, Bureau of Yards and Docks Task Unit #3 (Contracts, Forms and Specifications).

ROBERT E. LEE, R. E. Lee & Son, Inc., Charlottesville, Apprenticeship and Training Committee and Construction Education Committee.


The fourth phase of an expanded Norfolk base for the U. S. Coast & Geodetic Survey has been completed by Carpenter Construction Co., Inc., Norfolk contractors. This base became Region I Headquarters last summer when ten district headquarters were consolidated into four regional ones. Region I includes states on the Eastern Seaboard and the Gulf of Mexico from Maine to Alabama.

In addition to construction of a warehouse facility and adjacent open boat storage, the Carpenter assignment also included approximately 325 lineal feet of steel sheet pile bulkhead, tiebacks and fender system, renovation of part of an existing building, demolition of an old bridge abutment, paving and other associated site work, amounting to a total cost of nearly $400,000.

The site of the work at the foot of York Street was originally the Norfolk Terminal of The Atlantic Coast Line Railroad, the first floor of whose terminal building, about 140 by 50 feet, was renovated from warehouse into office and laboratory space.

The rectangular one-story concrete block warehouse measures 83 by 102 feet, has aluminum awning windows and a built-up roof on steel deck.

The adjacent storage area is covered and measures approximately 52 by 83 feet.

A problem was presented by the limited area of the site. The engineers,
John A. Hoffman & Associates, of Norfolk, found it necessary to run the anchorage system for the steel sheet pile bulkhead under a portion of the new warehouse storage area. Since all construction was on piling, the building foundation piles had to be spaced so as not to interfere or conflict with the location of the bulkhead anchorage. Because it was necessary to complete the bulkhead anchorage before the building and open storage foundations could be completed, scheduling difficulties were encountered.

Another scheduling problem arose from the necessity of having the new warehouse ready for use before beginning renovations to the existing building so that stores could be moved directly from the old warehouse space into the new, without interim storage. Such problems delayed the planned completion schedule approximately two and a half months, six months having been the original time allotted for construction. Numerous change orders increased the contract amount by nearly $70,000 over the originally awarded contract in the amount of $327,000.

The expansion program calls for a total expenditure of $1.4 million. The final phase is a two-story office building located to the right of the Carpenter project.

Architects associated on the project were Coast Engineering Co. and Joe D. Glenn, Jr. Carpenter did the work on excavating, piling, foundations, concrete, carpentry and weatherstripping.

Principal subcontractors and suppliers, all of Norfolk unless otherwise noted, included W. T. Stowe, Inc., Portsmouth, cast stone work, masonry; Chesapeake Steel, Inc., steel, steel roof deck and handrails; Virginia Sheet Metal & Roofing Co. of Norfolk, Inc., roofing; Walker & Laberge Co., Inc., windows and glazing; Burgess Brothers, Inc., Portsmouth, painting, waterproofing; John H. Hampshire, Inc., acoustical; Hampton Roads Plastering Co., Inc., plastering.

Others were Ajax Co., Inc., ceramic and resilient tile; Door Engineering, steel doors and bucks; W. T. Byrns, Inc., electrical work (Westinghouse lighting fixtures); Norfolk Air Conditioning Corp., plumbing, air conditioning, heating, ventilating; R. W. Hudson & Son, Inc., fencing; Ames & Webb, Inc., paving.

Derrick was supplied by Coastal Machinery Co., flagpole by Warner Moore Co., Inc., and bollards and cleats by Richard Foundry Corp. Bethlehem Steel Company furnished steel for bulkheads and Atlantic Creosoting Co., Inc., timber for bulkheads and timber dikes.

Tell the Virginia Story
A million dollar expansion program is underway for Gravely Furniture Company, Inc., Ridgeway, one of the pioneer firms in this historically predominant furniture-making area of the nation.

The program calls for a new plant addition that will more than triple the floor space of the company's manufacturing facilities and double the production capacity of the Ridgeway plant. In addition to the enlargement of manufacturing capacity and warehousing space, Gravely is erecting a modern new office building to round out the current expansion program. General contractor for both structures is Frith Construction Co., Inc., Martinsville. Plans called for completion by September 1st.

The new steel, brick and cinderblock building is being erected on the northeast end of the present manufacturing plant. The location of the office is just northwest of the enlarged manufacturing facilities. All are situated on an 11-acre tract a short distance east of U. S. Highway 220 on the outskirts of the Town of Ridgeway in southern Henry County.

The construction program marks a new phase in the growth of the firm that was organized in 1926 with initial annual sales of $200,000. Now in its 40th year, Gravely's sales last year totaled $3,500,000.

President Harry C. Gravely said the new facilities will be capable of an annual production at Ridgeway well in excess of $5,000,000. The firm now employs 225 people, including office and supervisory personnel, with an annual payroll of $1,000,000. When the new facilities are in full operation, President Gravely said employment is expected to rise to 350 with a payroll of about $1,500,000.

Gravely manufactures a variety of upper quality, medium-priced furniture. "Case goods" marketed under the trade name of "Worth" accounts for approximately 50 per cent of present production. Included are bedroom and dining room furniture in correlated groupings, among them occasional pieces.

The company is also the world's leading manufacturer of floor clocks. The now famous "Grandfather", "Grandmother" and "Granddaughter" series accounts for approximately 30 per cent of the company's volume. In addition Gravely makes a variety of wall and mantel clocks.

Now in their fifth year of production the clocks are advertised extensively on a national basis and have been displayed in outstanding furniture exhibits throughout the nation, including the Pavilion of American Interiors at the New York World's Fair.

The company also stresses the manufacture of its namesake—"Ridgeway Tables"—a product that accounts for approximately 20 per cent of production and sales.

The new addition contains 127,000 square feet of floor space devoted entirely to manufacturing. The total floor space of present facilities is limited to less than 80,000 square feet. With the addition, the company will have more than 200,000 square feet devoted to production and warehouse facilities.

The new two-story office building contains 9,500 square feet.

The manufacturing addition will be equipped with the most modern ma
Frith Construction Company, Inc.,  
Contractor for Plant Addition  
And New Office Building  

The new Gravely Furniture Co., Inc. plant addition at Ridgeway, is shown at right center with the present facilities at the far left. At the upper right is the new two-story office building. The million dollar expansion program was scheduled for completion September 1, 1965.

Chinery available. Completely convey-orized, the plant will also be geared to a concentration on value and style. The machine room will occupy the ground floor of the two-story structure and will contain 46,000 square feet.

Half of the second floor will be devoted to a 34,000 square foot cabinet room and the other half will be occupied by the Finishing Department. One of the features will include equipment capable of finishing, drying, rubbering and otherwise completing furniture for packaging before it comes off the assembly or conveyor line. Quality production will be improved by temperature and humidity controls.

"The addition", President Gravely said, "has been planned to increase production but at the same time to improve quality and service". Long-range plans to consolidate company operations at one site for the sake of more efficient operations and higher production were being drafted last winter.

First organized in 1926 by the late R. P. Gravely Sr., the firm was originally known as Gravely Novelty Furniture Company. Initial operations were in a plant in Martinsville that previously had been operated as B. F. Gravely and R. P. Gravely, manufacturers of insulator pins and cross-brackets for telephone and other utility poles. Gravely's production for many years was devoted solely to promotional novelty furniture. During its first year the company had 50 employees and sales totaled $200,000.

In 1947, Gravely's sales had grown to $750,000, and one of its major steps forward was taken later in that year with the purchase of Ridgeway Furniture Manufacturing Company, a relatively new firm in the Henry County area. The newly acquired plant was operated as the Ridgeway Division of Gravely Furniture Co.

In subsequent years, company diversified production that at one time included manufacture of television cabinets (now discontinued), and moved successfully into the case goods market with the dining and bedroom correlated suites and occasional pieces marketed under the trade name of "Worth".

In late 1960, Gravely reduced its operations in Martinsville and carried on the bulk of its production at the Ridgeway plant.

After a gradual expansion of its line and the entrance into a diversified field, the firm resumed limited operations in the Martinsville plant with about a third of overall production, principally machining and finishing being done there. But the machinery was not suitable for up-styling and the manufacture of the types of furniture now stressed by the company, and it was decided the time had come to consolidate the operations at one site—at the Ridgeway Division location here.

With that intention in mind, the company last December sold its Martinsville land and plant to the newly organized Virginia Furniture Company and vacated the premises March 1st.

President Gravely said the company intends to make the expanded plant one of the most modern and efficient in the industry. A fast flow cooling system is being installed. The entire plant is being conveyerized, including the rough mill section. The kiln capacity is being doubled and automatic lifts and lumberyard equipment are being added to eliminate or minimize manual handling.

Adequately paved parking facilities are being provided around the plant site.

Concentration of production and service facilities at the site here will not affect transportation. The plant is situated alongside the Norfolk and Western Railway's Winston-Salem Division and the area is served by all major trucking companies.

The firm has a national sales force of from 55 to 60 individual salesmen in 35 territories and sales are to retailers exclusively. Displays are maintained at High Point, New York, Boston, Atlanta, Dallas, San Francisco, Los Angeles and Chicago.


All the work was done from private plans by the owners, who also acted as their own subcontractors for paneling, lighting fixtures and electrical work on the office addition and for electrical work and heating and ventilating on the addition to the offices.
Concrete Block Production Hits High

At midpoint in the year, Sam W. Hairston, president of the Virginia Concrete Masonry Association, predicted Virginia's production of concrete blocks will reach an all-time high in 1965, with an estimated 64,500,000 units.

Hairston stated that this Virginia industry produced a record of 62,000,000 units in 1964, valued at $15,000,000—enough blocks to build a concrete masonry wall six and one-half feet high, 1,500 miles around the entire state.

"Concrete masonry units—erroneously called 'cinder blocks'—are a popular and versatile building material, and their manufacture contributes much to Virginia's economy," he said.

“All of the raw materials used are produced in the state: portland cement, light and heavy aggregates, electrical power and water. Local rail and trucking facilities are used for shipping. For example, the manufacture of just the cement used in last year’s production of blocks required over 38,000 tons of coal."

The Association is the industry’s coordinating agency on technical matters, specifications, marketing problems and public relations. Officers for 1965 are as follows: president, Sam W. Hairston, Lightweight Block Co., Roanoke; vice-president, William Galt, Valley Concrete Products, Harrisonburg; and secretary-treasurer, Charles Burgess, Richmond Block, Inc., Richmond.

The third meeting of the Association this year was to be held at 11 a.m., September 15, at the Blair House in Charlottesville. Reports were to be presented by the following committees: membership, J. B. Sapp and Ralph Slaughter; program, Robert Budd; freight rates, Basil Hogue and Kendall Sydnor; delivery costs, Henry Smiley; raw materials, Robert Frackelton and Mont Hubbard; promotion and publicity, Manuel Lipsitz and Earthum Forelines.

CHARLES J. KREBS COMPANY
Asphalt, Rubber and Plastic Tile—Acoustical Ceilings—Resilient Flooring
Featuring Johns-Manville Products
P. O. Box 927
ROANOKE, VA.
Phone 774-3073

CAPITAL LIGHTING & SUPPLY, INC.
Fabricators of Special Lighting Fixtures
Also a Large Stock of Standard Lighting Equipment and Electrical Supplies
1505 Prince Street
Alexandria, Virginia

PLAN BULLDOZER
(Continued from page 16)

pumps, scows, road and airfield scrapers, tractors, trenchers, dumptrucks, tugs, tow boats, welding equipment and pontoons. These are just some of the major items of equipment involved in disaster relief programs, and a comprehensive list of available equipment will be maintained in each of the seven state districts—with a master list in the state headquarters in Richmond.

In summation, the Associated General Contractors of America, Inc. formed the first PLAN BULLDOZER operation in 1957. The plan has been instrumental in alleviating suffering, saving property and restoring services to the communities where it has been put into effect. The members of the Virginia Branch—AGC believe that the implementation of PLAN BULLDOZER demonstrates their willingness to accept their rightful responsibilities. Through the coordinated activities of the Association—working in concert with the duly constituted civil authorities—this plan can be made to work successfully.

Allied industries, interested parties, and the public in general are invited to comment on PLAN BULLDOZER, and to offer any constructive criticism that will enable the program to function better.
S
Sure way to
better masonry...
modern masonry cement

Everything except the sand and water comes in one bag. A quality-controlled blend of materials, masonry cement does away with guesswork ... gives uniformly high quality mortar every time.

Gives smooth, workable mortar.—Masonry cement makes a "fat" mortar that works easily under the trowel. Easy buttering. Leaves trowel clean—keeps walls clean. And excellent sand-carrying capacity gives maximum yield, big or little batches.

PORTLAND CEMENT ASSOCIATION
1401 State Planters Bank Bldg., Richmond 19, Va.
A national organization to improve and extend the uses of portland cement and concrete
Show Window to Virginia Dairying

by Frank Hendren

• If Nathaniel Bacon could see what's going on now at Curles Neck Farm, where he lived in the early 1670's, his scalp would probably tingle with awe!

For, insurrection against British Colonial Governor Berkeley and Indian fighting are the last things apparent today on these peaceful stretches of open country blanketing the north shore of the James, some 12 miles southeast of Richmond.

The leader of "Bacon's Rebellion" could feast his eyes on 6,000 acres, which comprise the present Curles Neck Farm and view about 750 head of black and white Holstein cows and golden and white Guernseys. These are located at two different places, called the Strawberry Plains Farm and the Prospect Farm.

The cows provide the bread and butter income for the Curles Neck Farm, although there are from 600 to 700 Herefords and about 100 ponies which figure in today's agricultural enterprise on the land owned since 1943 by F. E. Watkins and stretching on either side of the former James Port of "Curles Wharf."

The dairy cow has not always been the "Queen of Animals" on this rich, chocolate loam land. For decades, the plantation was dotted with mules worked by the slaves. Then, in 1913, rose the sound of thundering hooves of C. K. G. Billings' thoroughbred race horses. This was followed by the grunts of purebred Duroc swine and the crowing and cackling of poultry.

It was not until 1925 that the dairy cow made her entrance in significant numbers. That was the year that A. B. Ruddick brought 75 Jerseys, 75 Holsteins and 150 Guernseys to be milked in two large barns. Eight years later processing and bottling of the milk was started at the Curles Neck Farm for delivery and sale in Richmond.

By 1935, the dairy operation had changed. The cows were milked by machine in three stanchion barns, the first milking machine having been purchased and put into use several years earlier. Two maternity barns held the cows ready to have their calves. They also housed hospitalization cases.

Today, booming up at the Curles Neck Prospect Farm is a milk producing operation that looks like something out of the year 2000!

With the twin milking parlors are two covered holding pens where the cows await their turn to come into the parlors, three 115-foot covered feed bunks with built-in conveyors, four hay shelters, a huge free stall housing barn, and six upright silos.

The Holsteins at the Prospect Farm are indeed queens as they stand high in their milking stalls which are painted vivid Swamp Holly Orange Milk is harvested twice daily, scientifically and mechanically by four skilled milking machine operators. The "Sanctum Sanctorum" where they yield their milk has walls of glazed tile.

After the milk surges from transparent breaker cup milking units, it passes downward through sanitary, plastic hose and into a stainless pipe mounted at the operator's kneelvel. From there it moves into the milkroom, located between the two milking parlors, and enters one of two bulk tanks.

The average cow reigning in the Curles Neck Farm's picture window milking parlors in one year's time produces enough milk to furnish four growing families in Richmond with their daily gallon.

Or, to put it another way, with an average of 250 cows being milked twice daily, enough cows will be milked at the Prospect Farm during the next ten years to stretch from Richmond almost to the outskirts of Los Angeles.

After the milk is cooled and stored in the farm tanks, it is picked up by a 2,000 gallon tank truck that carries it to the Curles Neck Dairy in Richmond. There it is processed and either bottled or cartoned before its sale.

Starting with 22 wholesale and resale routes, the Curles Neck Dairy added 18 more routes in 1952. The present fleet consists of 75 vehicles which handle 55 routes. About 15% of the milk is sold wholesale. The plant has a processing capacity of 18,000 gallons of milk in an eight-hour day.

Back on the farm, the cows are fed corn, oats and alfalfa hay, which are all farm-grown, while the concentrated feed is purchased. The feeding is done by push buttons with a minimum of hand labor being involved.

In the milking parlors, concentrated feed is augered from overhead and then metered to each cow's feed box in accordance with the amount of milk which she is currently producing. Outside the parlor she eats hay and silage, the latter being augered into a long feed bunk, which is shaded for the cow's comfort.

Home for the animals when they are not being milked is a 535 by 50 foot free-stall housing barn. Here the cows are free to come and go. When they want water, they amble over to electrically controlled water bowls.

A liquid manure handling system puts mechanization to work in gathering, storing and spreading this by-product on the fields. Three 18,000 gallon tanks serving two lots apiece are located outside the free-stall housing. A huge chopper pump prepares the manure for a spreader which can be filled in a matter of three to four minutes before it makes its way to a field.

Dairy farming is both attractive and practical for the times the way it is being conducted at Curles Neck Farm and many visitors are viewing there what well may turn out to be one of the most advanced cow milking systems for this and the space-age.

(Anyone desiring a free booklet, highly illustrated, which tells about the Curles Neck Dairy operation, may contact Babson Bros. Dairy Research and Educational Service, P. O. Box 312, Liverpool, New York 13088.)

Founded 1878
VIRGINIA BUSINESS REVIEW

- Shultz & James, Inc., Richmond firm who recently celebrated its 40th anniversary as manufacturer's representatives, has opened a new branch office in Roanoke.

The branch manager is William F. (Bill) Cotton, engineering graduate of the University of Pittsburgh, who has had extensive experience in the fields of heating, air conditioning, air filtration, fluid pumping and power piping.

- Ewell M. “Chip” Feather, below, has been appointed Virginia sales representative for Mid-State Tile Company, Lexington, North Carolina firm. Mr. Feather will continue to live in Roanoke, his home town. He has been in the tile contracting business for 11 years.

Mid-State manufactures a line of floor tile, handling more than 6,000 different items within its varied shapes, colors, textures and designs. Installations include major commercial, government, institutional and residential construction throughout the Southeast.

- W. Watt Burks, vice president at the Peoples office of the First National Exchange Bank of Virginia in Bedford, has succeeded Emmett D. English as senior vice president and chief executive officer. Mr. English retired recently after 44 years with Peoples but will continue as member of the local board and of the board's Executive Committee.

- Jerry H. Gass, field service director for the State Poultry Federation, has succeeded J. Paul Williams as editor of The Virginia Poultryman, a monthly magazine serving primarily the Virginia and West Virginia poultry industry.

Mr. Williams remains as executive secretary of the Federation, which will observe a 40th anniversary at its 35th annual convention at Natural Bridge, October 19-20.

Waters Advertising Agency, Newport News, has made its third move since its one-man start in 1955. The company now has a staff of ten and is increasing accounts demanded tell the Virginia Story

more production area which is provided by its new location opposite the Warwick Club on 27th Street.

- Names in the news include that of C. S. Betts, Jr., appointed by VEPCO to the position of manager, engineering and construction, succeeding J. A. Rawls, recently appointed assistant vice president. Other VEPCO appointments include Ivan Hall, Charlottesville district manager, to manager of electric operations, Richmond; A. J. Westcott, Norfolk division manager—gas, to manager of gas operations. . . .

Austin K. Hunsberger, location and design engineer, has been made director of engineering for the State Highway Department, succeeding David M. Huddle, retired this summer . . . J. Glen Baker, executive vice-president of the Baker Equipment Engineering Co., Richmond, is the new national president of the Utility Equipment Dealers Assn. . . . Former State Commissioner of Fisheries, Charles M. Lankford, Jr., has been appointed as a short-term circuit judge for the Eastern Shore counties of Accomack and Northampton. Sixty-eight years old this month, he faces mandatory retirement at 70.

Rental of Equipment

J. T. Wharton, Jr.,
Equipment, Inc.

604 ROTARY STREET
Phone 926-5521
Night PA 2-8653
HAMPTON, VIRGINIA

LEROI AIR COMPRESSORS
LINCOLN WELDERS
FORD & JOHN DEERE
BACK HOES
PARSONS TRENCHERS
GALION MOTOR GRADER
INTERNATIONAL DOZER
LE-ROI PAVING BREAKERS
MARLOW PUMPS
VIBRO-PLUS VIBRATORS
WHITEMAN FINISHERS
WACKER GAS TAMPFERS
HARMON SPACE HEATERS
HOSE AND TOOL ACCESSORIES

BUTLER BUILDINGS
the low-cost way to build well

Quickly erected. Easily expanded. All metal sidewalls. Choice of factory-applied color. Clear span interiors up to 120 feet wide—any length, single and multiple units. Call us for details.

DISTRIBUTORS,
SOUTHWEST VIRGINIA

FRYE BUILDING COMPANY
General Contractors
St. Reg. # 5659
DI 4-9692 P. O. Box 616
ROANOKE, VA.

W. B. DAVIS

MASONRY CONTRACTOR

Brick & Block

Days: Phone EL 5-4137
Nights: Phone EL 3-3136
949 MYERS
RICHMOND, VIRGINIA
CONCRETE MATERIALS, INC.

Precast — Prestressed

Concrete Products for Buildings — Bridges Stadiums and All Type Structures

Phone 333-8671
3823 Raleigh
Charlotte, North Carolina

KIRK LINDSEY, INC.

Concrete Construction

Phone 525-6296
2030 16th St., North
Arlington, Virginia

HUNTER & WALDEN COMPANY, INC.

Charlotte, N. C.
334-5325

Power & Communications Contractors

OVERHEAD INDUSTRIAL UNDERGROUND

CONTINENTAL CORPORATION

Electrical Contractors

7115 Leesburg Pike
Falls Church, Virginia 22043
Telephone: 533-0420
(Continued from page 12)  

A conviction and who readily admits the error of his ways may get his registration certificate.

Among information requested on the application form is data concerning the firm’s five most important contracts completed during the past five years; information about contracts now being performed including location, amount and percentage completed; references to include banker, architect or engineer and an owner for whom a contract was performed; five supply houses from which most material is bought; personal data that would indicate integrity, training and experience; corporate or partnership information if indicated; and financial information that leaves little doubt as to the applicant’s monetary position. Failure to furnish any of this information or to falsify the application means immediate refusal of registration. By the same token, all information is confidential and is kept in the numerous files of the board’s office.

Investigation into an applicant’s financial standing may show that he took bankruptcy. Here, if this occurred during the Depression when bankruptcy was not uncommon, and if he’s since done well in his business life, he probably will be certified. The former bankrupt who’s worked well in other states or in the under $20,000 contracting field and has reestablished himself also probably will be looked on favorably by the board.

The financial check also includes banks, mercantile agency reports and supply houses from which the contractor purchases his materials. Thus the board learns if not only does he have a good credit rating and financial record but also if he has enough liquid working capital to carry the labor and materials on a job for at least 90 days. The amount of capital is gauged to the type of construction for which he’s applying and the work he’s done in the past.

The pre-certification investigation includes, too, inquiry into the applicant’s past performance and experiences with owners for whom he’s previously worked as well as architects and engineers who have supervised his jobs. Queried also are other general contractors and trade associations in the applicant’s home locale, such as the Northern Virginia Builders Association or the Norfolk Builders and Contractors Exchange. And in the case of subcontractor applicants, general contractors for whom they’ve subbed are checked. Sometimes too the board will receive voluntary information about an applicant when a member of the public or a fellow contractor learns the application is pending.

It takes from 12 to 16 inquiries for every application and occasionally still other sources of information must be sought before the matter goes before the board. When electrical or plumbing contractors seek certification, they must take a written examination. Oral exams administered by the board also are required in some doubtful instances.

When the five-page comprehensive application, necessary examination findings and investigative reports go before the board, members have a thorough picture of the contractor as to his past experience, his training in the type of contracting for which he’s applying and his financial condition and responsibility. In other words, the board knows if he’s a contractor of competence and integrity, capable of fulfilling his contract and thus assuring the public of honest work and materials. An estimated 15 to 25 per cent of applications are turned down each year.

The successful applicant, however, is assigned a registration number and issued a certificate of registration. These certificates are issued for a calendar year and become invalid on December 31, necessitating applying for a renewal.

The successful applicant’s firm name then is added to the board’s roster which includes the firm name, its address, the classification of work authorized and the assigned registration number. The roster is published annually and there are supplements published after each board meeting to include newly registered contractors.

The roster and its supplements are mailed to registered contractors, engineers, architects, state and local government officials and others who may as part of their work call for bids on construction projects. Copies of the roster are available at the board office on request.

Why, you may wonder, would architects and engineers as a matter of course receive information as to which contractors are registered. The law requires that architects and engineers, who also must be licensed in Virginia, must include in their invitations to bid reference to the qualification requirement. In specifications for projects that will cost $20,000 or more, contractors must show evidence of a certificate of registration before their bids can even be received and considered. Subcontractors bidding on jobs of $20,000 or more also must prove their certification before their bids can be considered by general contractors. And there are similar restrictions on awarding authorities and on local officials who issue building permits.

To date in 1965, the board has decreed that there are 3,895 general and sub-contractors who want to do business in Virginia and who are worthy of licenses. The licenses are granted in four classifications: building contractor, highway contractor, public utilities contractor and specialty contractor (electrical, masonry, plumbing, heating, etc.) There also is an unclassified certificate which may be issued to include all four classifications.

Virginia-based contractors are not the only ones required to be licensed in order to do business in the Old Dominion. The board’s official roster of licensed contractors shows those with home offices in West Virginia, Georgia, Florida, North Carolina, Pennsylvania, Tennessee, Maryland, New York, New Jersey, Ohio, South Carolina, Indiana, Oregon, Wisconsin, Oklahoma, Iowa, Kentucky, Missouri, District of Columbia, Illinois, Massachusetts, Minnesota, (Continued on page 29)
J. Hunter Miller Construction Co.
— Building Contractor —
St. Reg. #6084
RESIDENTIAL — COMMERCIAL
Phone 344-2159
865 Park Lane, SW
ROANOKE, VIRGINIA

H. L. BORDEN LUMBER CO.
LUMBER AND BUILDING MATERIALS
Builders Hardware — Lath — Plaster — Roofing — Paint
East King
Dial 465-5111
STRASBURG, VIRGINIA
St. Reg. # 3353

AIKENS CONSTRUCTION CO., INC.
General Contractors
St. Reg. #2643
COMMERCIAL & EXCAVATING
Phone 662-3752
P. O. Box 587
WINCHESTER, VIRGINIA

SAWYER CONSTRUCTION COMPANY
General Contractors
P. O. Box 179
1668 W. Pembroke Ave.—Hampton, Va.

HARRY BOHRER & SON
Plastering Contractors
RESIDENTIAL — COMMERCIAL — INDUSTRIAL
Phone CR 3-4217
1129 N. Utah St.
ARLINGTON, VIRGINIA

BLOXOM REALTY COMPANY
Building Contractor
— RESIDENTIAL —
St. Reg. #7591
Phone 877-0284
39 Sherwood Shopping Center
NEWPORT NEWS, VIRGINIA

PAYNE AIR CORPORATION
St. Reg. #7634
HEATING, AIR CONDITIONING & SHEET METAL CONTRACTORS
RESIDENTIAL — COMMERCIAL
Phone 596-6363
P. O. Box 1366
NEWPORT NEWS, VIRGINIA

BOSO & RITCHIE INCORPORATED
HIGHWAY & INDUSTRIAL GRADING
Phone (Area Code 304) 273-9335
P. O. Box 187
Ravenswood, W. Va. 12 Sycamore

J. B. Denny, Jr.
General Contractor
St. Reg. #1140
Phone 627-6255
1238 West 26th Street
NORFOLK, VIRGINIA

Harold C. Beaver
General Contractor
Phone 484-4086
2990 Western Branch Blvd.
CHURCHLAND, VA.

ARVEX, INC.
PLUMBING, HEATING & AIR CONDITIONING CONTRACTORS
St. Reg. #7680
Phone 938-0330
437 Mill St., N.E.
VIENNA, VIRGINIA

G. D. CROSBY
Electrical Contractor
Phone RE 7-4584
5005 Charles City Road
RICHMOND, VIRGINIA

PAGE TWENTY-EIGHT
VIRGINIA RECORD
Alabama, Michigan, Texas, California, Kansas, Delaware, Connecticut, Louisiana, Rhode Island, Mississippi, Nebraska and Idaho.

Not all contractors doing jobs of $20,000 or more are required to be licensed. There are three specific exemptions: (1) the contractor working for the armed services (he is covered by the pre-qualifications required of the Armed Services Procurement Act), (2) the contractor doing highway work directly under the State Highway Department (the department has pre-qualifications requirements similar to those of the Contractors' Board), and (3) contractors doing work for other federal government agencies in which the land is on a site under the exclusive jurisdiction of the U.S. either by deed of cession or statute.

The very existence of the board which has prevented public disasters in Virginia — and there's no doubt but that it has helped keep the contracting business on a high plain in the state — is due to a national emergency, the great Depression of the 1930's. Contracting seemed an inviting livelihood to many men in those days and their lack of experience and financial responsibility soon became evident in the number of builders who went bankrupt before they got beyond the foundations of houses. In other states, contractors were getting their jobs done but only by substituting inferior materials and workmanship.

In 1938 the General Assembly passed the Virginia Contractors Registration Law (amended in 1944 to cover subcontractors also) and established the Contractors' Board to administer the statute regulating the practice of general contracting. The board is an independent unit which reports only to the governor. Members, all contractors or men working in related fields, are chosen for five-year terms, may be reappointed to a second five-year term only once and receiving no compensation other than their travel expenses to board meetings. By law, at least one of the five board members must be a highway contractor, one a public utilities contractor and one a building contractor.

A chairman and a vice chairman are chosen each year at the April meeting and the 1965 officers are A. B. Burton, of Lynchburg, chairman, and James W. Enochs, Jr., of Hopewell, vice chairman. Burton is president of A. B. Burton Company, Inc. and Enochs is president of J. W. Enochs, Inc.

Other present members of the board

(Continued on page 30)
are William H. Reid of Suffolk, partner in Reid & Hope; Wellford Ross Sutherland Jr. of Richmond, president of Hughes-Keegan, Inc.; and Donald E. "Pete" Ball of Falls Church, vice president of Rochester Ropes, Inc. and former secretary-treasurer and chairman of the board of Northern Virginia Construction Co., Inc. and former president of the Virginia Sand and Gravel Co., Inc.

The original members of the board were J. C. Carpenter Jr. of Clifton Forge, the late J. Davenport Blackwell of Warrenton, C. Raine Pettyjohn of Lynchburg, the late R. P. Liphart of Richmond and the late E. J. Keegan of Richmond.

Subsequent board members were the late L. J. Boxley of Roanoke ('49-'55), the late Fred A. Haycox of Virginia Beach ('50-'60), F. L. Showalter of Lynchburg ('51-'61), W. Albie Barksdale of Charlottesville ('52-'62), and C. Merle Luck of Richmond ('53-'63).

Some of these former members enjoyed their associations so much that they formed what is informally known as the "alumni association" and meet socially once a year with the present board.

The late Charles P. Bigger of Richmond served as the board's first secretary from 1938 to November, 1953 when he resigned because of poor health. Edward Kusterer has held the post since December, 1953.

Kusterer is aided in the administrative and investigative aspects of the board's affairs by his secretary, Miss Jessie Weisiger; Mrs. Nell Taylor, a clerk-typist; an outside investigator who checks alleged violations; plumbing and electrical inspectors who work part-time to assist in the contractor examinations; and part-time clerk-typists as needed.

The board is a self-supporting arm of the state government. All applications must be accompanied by a $30 fee and renewals, $15 fees. From these fees, office and operating expenses are met and the surplus, nearly $602,000 to date, is turned over to the state's General Fund.

It's been able to do this in the face of a growing number of applications each year. For each of the past five years, applications have averaged 550. In 1964, there were 567 applications processed and examined of which 365 were approved, 189 disapproved and 13 deferred. Last year there were 3,552 annual applications for renewal processed of which 3,420 were approved and there were 34 alleged violations reported. In all cases of violations, action by the board resulted in com-
E. E. COLLINS, INC.
Plumbing, Heating and Cooling
St. Reg. 7107
COMMERCIAL — INDUSTRIAL — RESIDENTIAL
2411 N. Glebe Road
Office: JA 8-8068
Home: JA 7-5682
ARLINGTON 7, VIRGINIA

Froehling & Robertson, Inc.
Engineering Inspectors & Chemists
SINCE 1881
MAIN OFFICE & LABORATORIES
814 West Cary Street
Telephone: Richmond 644-3025
RICHMOND, VA.
BRANCH LABORATORIES
Baltimore, Md. 426-9527
Roanoke, Va. 344-7939
Norfolk, Va. 627-3675
Raleigh, N. C. 828-3441
Charlotte, N. C. 333-7130
Fayetteville, N. C. 464-2409
Greenville, S. C. 239-1343
Washington, D. C. 232-1504

K & M PLUMBING & HEATING CO.
St. Reg. # 6343
Heating, Plumbing & Air Conditioning Contractors
COMMERCIAL — INDUSTRIAL — RESIDENTIAL
315 Wythe St. RE 2-1544
PETERSBURG, VIRGINIA

TOM JONES HARDWARE COMPANY
Agents for Sargents Hardware

D. LUCKY BOWMAN
General Contractor
COMMERCIAL • RESIDENTIAL
INDUSTRIAL
R. F. D. 1, Box 180 DIamond 3-2907
State Registration # 3034 ROANOKE, VIRGINIA

General Contractors
TOWN and COUNTRY
BUILDING REPAIRING REMODELING
RESIDENTIAL COMMERICAL INDUSTRIAL
Painting — Brick Work Free Estimates
LEONARD FORRESTER HOlpsins 2-2792 Lively, Va.
Douglas W. Barrow  
**General Building Contractor**  
St. Reg. #4068  
Phone ME 2-6459  
Rt. #1 Box 57  
MARTINSVILLE, VIRGINIA

John P. Pettyjohn & Co.  
**BUILDERS**  
St. Reg. #24  
402 Young Building  
LYNCHBURG, VIRGINIA

J. P. Blythe  
**INCORPORATED**  
Mechanical Contractors  
Plumbing — Heating  
Phone 723-6079  
3451 Victoria Blvd.  
HAMPTON, VA.

J. W. Creech  
**General Contractor**  
St. Reg. #2681  
Commercial — Industrial  
Institutional  
Phones: JU 8-0298  
JU 3-1676  
7929 Pythian Ave.  
Norfolk 18, Va.

C. H. Evelyn Piling Co., Inc.  
We Buy and Sell  
Pine — Hardwood and Cypress Piling  
*Buyers of Standing Timber*  
Phone 966-2273  
PROVIDENCE FORGE, VIRGINIA

Stanley W. Bowles Corporation  
**GENERAL CONTRACTOR AND BUILDER**  
P. O. Box 1348  
Phone ME 2-3446  
MARTINSVILLE, VIRGINIA  
Virginia State Registration No. 7194  
North Carolina State Registration No. 2924

J. J. Berry  
& Son, Inc.  
**Painting Contractors**  
Residential — Commercial  
Industrial  
Phone 671-1833  
3520 S. Fourmile Run Drive  
ARLINGTON, VA.

Paul L. Booze, Inc.  
**General Plumbing and Heating Contractor**  
St. Reg. #3243  
American–Standard Products  
512 Maple Ave.  
Phone DUnkirk 5-8212  
VIENNA, VIRGINIA  
Founded 1878
pliance without court action being needed.

The current year promises to be the biggest in history with more than 600 new applications already acted upon—more than the total for most previous years. This increase is a result of the building boom in Virginia, grass roots education of the contractors who are getting the word about license requirements from local inspection and licensing divisions and the rising cost of construction. As Kusterer points out, it's becoming increasingly difficult to have a three-bedroom house built for under $20,000.

Virginia is one of only 20 states requiring licensing of contractors and many of those that do register only select classifications of contractors. The others are Alabama, Arizona, Arkansas, California, Hawaii, Idaho (public works only), Louisiana, Michigan (residential), Mississippi, Montana (public works), New Jersey (electrical), Nevada, New Mexico, North Carolina, North Dakota (public works), Oregon (public works), South Carolina, Tennessee and Utah. There is no reciprocal licensing agreement between Virginia and any other state.

Whether the pre-qualification requirements are as stiff as those in Virginia is not known but no one can argue this fact—Virginians are protected against the fraudulent, the incompetent, the financially shaky contractor before such men can even have a chance to set up shop in the Old Dominion.

That is why the person or firm seeking to build a multi-story office or a neat mountain hideaway is well advised to take the professional viewpoint of the matter and hire a registered contractor to do the job. The Contractors' Board can't guarantee the job but it can offer assurance that the registered contractor has met the stiff qualifications to be licensed in Virginia for expensive projects. It can assure that the contractor is experienced enough to undertake the job and has funds enough to see it to completion—who wants to be left with a basement and a tangle of legal problems because the contractor's funds ran out?

In a nutshell, the certificate of registration does three things to protect the public: (1) it guards against the contractor's lack of financial responsibility, (2) it insures that in his previous work he's established a reputation for integrity among other builders and with the engineers and architects for whom he has worked, and (3) it is evidence that the contractor has the professional skill to do the job. •

to tell the Virginia Story
BUHL ELECTRIC COMPANY
ELECTRICAL CONTRACTORS
RESIDENTIAL — COMMERCIAL INDUSTRIAL
Phone 385-5788
125A Maple Avenue West
Vienna, Virginia

F. A. DUKE COMPANY INCORPORATED
GENERAL CONTRACTORS
COMMERCIAL AND INDUSTRIAL CONSTRUCTION
STATE REG. NO. 3424
700 Yorktown Ave.
Phone 399-2471
Portsmouth, Virginia

ENGINEERED SYSTEMS, INC.
DRYWALL — PARTITIONS — PAINTING CONTRACTORS
Phone 893-5340
2021 Chainbridge Road
Vienna, Virginia

COMMONWEALTH TILES, INC.
Tile & MARBLE CONTRACTORS
P.O. BOX 621
 VALLEY PIKE
 WINCHESTER, VIRGINIA

EAST COAST STEEL PLACING CO., INC.
STEEL ERECTION & REINFORCED STEEL CONSTRUCTION
Phone 524-1665
4711 Lee Highway
Arlington, Virginia
<table>
<thead>
<tr>
<th>Name, Address &amp; Classification</th>
<th>Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-1 Electric, Troy, Va.; Electrical</td>
<td>6903</td>
</tr>
<tr>
<td>A.D.A. Plating Co., Washington, D.C.; Plating</td>
<td>7523</td>
</tr>
<tr>
<td>ASC Company of Va., Atlanta, Ga.; Bldg., Hwy. &amp; Pub. Util.-Water &amp; Sewer, Flp., Hg. &amp; Piping</td>
<td>5254</td>
</tr>
<tr>
<td>Abershaw, L. S., Inc., Allen, Va.; Highway</td>
<td>3667</td>
</tr>
<tr>
<td>Aberthaw Construction Co., Boston, Mass.; Building</td>
<td>7298</td>
</tr>
<tr>
<td>Abrams, A. R., Inc. of Atlanta, Atlanta, Ga.; Building</td>
<td>3254</td>
</tr>
<tr>
<td>Abrams Constructions Co., Inc., Valdosta, Ga.; Building</td>
<td>7073</td>
</tr>
<tr>
<td>Abrams, Michael M. Co., Chevy Chase, Md.; Building</td>
<td>6252</td>
</tr>
<tr>
<td>Abrams, Roger E., Richmond, Va.; Inc.</td>
<td>6125</td>
</tr>
<tr>
<td>Ace Tile &amp; Floor Covering, Richmond, Va.; Resilient &amp; Resilient Floor Coverings</td>
<td>6688</td>
</tr>
<tr>
<td>Acker &amp; Son, Inc., Kennington, Md.; Flp., Hg. &amp; Air Cond.</td>
<td>6577</td>
</tr>
<tr>
<td>Acrilux, C., Inc., Teterboro, N.J.; Tile</td>
<td>3253</td>
</tr>
<tr>
<td>Acme Equipment Co., Inc., Richmond, Va.; Food Service Equipment</td>
<td>7299</td>
</tr>
<tr>
<td>Acme Sheet Metal Corp., Norfolk, Va.; Sheet Metal</td>
<td>2418</td>
</tr>
<tr>
<td>Adams Construction Co., Roanoke, Va.; Highway</td>
<td>1108</td>
</tr>
<tr>
<td>Alphonso Construction Co., Norfolk, Va.; Highway</td>
<td>7451</td>
</tr>
<tr>
<td>Adams, E. E. Co., Hollins, Va.; Building</td>
<td>4181</td>
</tr>
<tr>
<td>Adams, J. G., Builder, Inc., Bristol, Va.; Building</td>
<td>4291</td>
</tr>
<tr>
<td>Adams, Mervel W., Flp., Hg. &amp; Air Cond.</td>
<td>7475</td>
</tr>
<tr>
<td>Adams &amp; Westlake Company, The, Ellikart, Md.; Metal Ins.</td>
<td>4313</td>
</tr>
<tr>
<td>Adegco, Inc., Washington, D.C.; Building</td>
<td>6738</td>
</tr>
<tr>
<td>Adkins Construction Co., Martinsville, Va.; Building</td>
<td>8315</td>
</tr>
<tr>
<td>Adkins, James M., Inc., Electrical</td>
<td>7477</td>
</tr>
<tr>
<td>Aiken &amp; Flanders, Inc., Atlanta, Ga.; Building</td>
<td>6613</td>
</tr>
<tr>
<td>Aiken &amp; Flanders, Inc., Atlanta, Ga.; Building</td>
<td>6613</td>
</tr>
<tr>
<td>Alabama Electrical Construction Co., Inc., Dothan, Ala.; Electrical</td>
<td>7395</td>
</tr>
<tr>
<td>Alaska Paving Co., Inc., Arlington, Va.; Highway</td>
<td>7482</td>
</tr>
<tr>
<td>Albermarle Construction Co., Richmond, Va.; Building</td>
<td>7491</td>
</tr>
<tr>
<td>Albert Brothers Construction Co., Salem, Va.; Building</td>
<td>7501</td>
</tr>
<tr>
<td>Albrecht, Glen T., McLean, Va.; Building</td>
<td>7512</td>
</tr>
<tr>
<td>Aldo Construction Corp., Chesapeake Va.; Excav., Concrete &amp; Drainage</td>
<td>7520</td>
</tr>
<tr>
<td>Alexander Building Construction Co., Inc., Richmond, Va.; Building</td>
<td>7531</td>
</tr>
<tr>
<td>Alexander, Harry, Inc., Washington, D.C.; Electrical</td>
<td>7623</td>
</tr>
<tr>
<td>Alexander, W. W., Inc., Waynesboro, Va.; Building</td>
<td>7657</td>
</tr>
<tr>
<td>Alexander, W. D., Inc., Drywall, Inc.</td>
<td>7672</td>
</tr>
<tr>
<td>Alexandria Drywall, Inc., Virginia Beach, Va.; Drywall</td>
<td>7673</td>
</tr>
<tr>
<td>Alexandria Plumbing &amp; Heating, Inc., Alexandria, Va.; Pbg., Hg. &amp; Air Cond.</td>
<td>7640</td>
</tr>
<tr>
<td>Alfred's Decorating Co., Alexandria, Va.; Painting</td>
<td>7670</td>
</tr>
<tr>
<td>Algab, Incorporated, Falls Church, Va.; Painting</td>
<td>7684</td>
</tr>
<tr>
<td>Aliff &amp; Moore, Bluefield, W. Va.; Building</td>
<td>7525</td>
</tr>
<tr>
<td>Aliff &amp; Moore, Bluefield, W. Va.; Building</td>
<td>7525</td>
</tr>
<tr>
<td>Altria Industries, Inc., Washington, D.C.; Electrical</td>
<td>7684</td>
</tr>
<tr>
<td>Al VN. &amp; O'Hara, Inc, Memphis, Tenn.; Building</td>
<td>7681</td>
</tr>
<tr>
<td>Allen, C. N., Inc., Charleston, S. C.; Public Utilities</td>
<td>7681</td>
</tr>
<tr>
<td>Allen, D. W. &amp; Son, Inc., Hillsboro, Va.; Bldg., Hg. &amp; Elec.</td>
<td>7682</td>
</tr>
<tr>
<td>Allen Drywall &amp; Insulation, Falls Church, Va.; Drywall</td>
<td>7693</td>
</tr>
<tr>
<td>Allen, Frank H., Crozet, Va.; Building</td>
<td>7694</td>
</tr>
<tr>
<td>Allen &amp; Son, Inc., Falls Church, Va.; Boiler Settings &amp; Incinerators</td>
<td>7695</td>
</tr>
<tr>
<td>Allen Glass Co., Inc., Alexandria, Va.; Glass</td>
<td>4026</td>
</tr>
<tr>
<td>Allen, J. F., Company, Clarksville, Va.; Highway</td>
<td>5940</td>
</tr>
<tr>
<td>Allen, W. S., Inc., Temple, Va.; Elevator &amp; Generating Equip.</td>
<td>5147</td>
</tr>
<tr>
<td>Allen, Howard, Falls Church, Va.; Building</td>
<td>6711</td>
</tr>
<tr>
<td>Alliance Investment Corp., Allstate Construction Division, Newport News, Va.; Building</td>
<td>6840</td>
</tr>
</tbody>
</table>

**Roster of Registered Contractors**

SEPTEMBER 1965

PAGE THIRTY-FIVE
Atlantic Construction Corp., Virginia Beach, Va.; Bldg., Hwy. & Pub. Utils. 6644
Atlanta Tile & Marble Co., Inc., Atlanta, Ga.; Tile & Marble 3028
Atkinson, W. E., Christiansburg, Va.; Building 7467
Atkinson Tile Co., Inc., Vienna, Va.; T
Atkinson Dredging Company. Chesapeake, Va.; Pile Driving & Marine 3206
Atlantic States Construction Corp., Arlington, Va.; Building 6773
Atlantic General Contractors, Inc., Salisbury, Md.; Building 6562
Chapter Machine & Iron Works, Inc., Arlington, Va.; Iron & Steel 6762
Atlas Fence Company, Inc., Richmond, Va.; Fence Erection 4681
Atlas Machine & Steel, Inc., Virginia Beach, Va.; Pile Driving & Marine 7182
Atwood, A. W., Danville, Va.; Building 3206
Atwood, John, New York, N. Y.; Building 7188
Atwood, W. D., Roanoke, Va.; Building 7188
Atwood Construction Co., Inc., Madison, Wis.; Piling 4001
Atlanta, Va.; Plumbing & Heating 6582
Atlanta, Ga.; Paving & Grading 5828
Atlanta, Ga.; Paving & Grading 5828
Atlanta, Ga.; Paving & Grading 5828
Atlanta, Ga.; Paving & Grading 5828
Atlanta, Ga.; Paving & Grading 5828
Atlanta, Ga.; Paving & Grading 5828
Atlanta, Ga.; Paving & Grading 5828
Atlanta, Ga.; Paving & Grading 5828
Atlanta, Ga.; Paving & Grading 5828
Atlanta, Ga.; Paving & Grading 5828
Atlanta, Ga.; Paving & Grading 5828
WILLIAM R. DAVIDSON
General Contractor
RESIDENTIAL — COMMERCIAL
INDUSTRIAL
Phone 792-5799
670 Lee Street
Danville, Virginia

J. ARTHUR BOYD
General Contractor
RESIDENTIAL
COMMERCIAL
INDUSTRIAL
Phone SH 8-2104
120 Boyd
Chester, Virginia

MEL COLLINS
General Contractor
RESIDENTIAL
Phone 877-0782
102 Ella Taylor Road
Yorktown, VA.

L. F. CUSTIS
CONSTRUCTION COMPANY
General Contractors
RESIDENTIAL
COMMERCIAL
INDUSTRIAL
Phone 539-4753
129 Tines Street
Suffolk, Virginia

WILLIAM M. CROWDER
COMPANY
ELECTRICAL CONTRACTOR
ELECTRIC HEATING
406 N. Market St.
Phone RE 2-7491
Petersburg, Virginia

THE M. CAIN
COMPANY, INC.
PUBLIC UTILITIES
CONCRETE CONSTRUCTION
Phone (202) LA 9-6332
3315 8th Street, N.E.
Washington, D. C.

S. J. BELL
CONSTRUCTION CO., INC.
HIGHWAY & PUBLIC UTILITIES
CONSTRUCTION
Phone TE 6-3900
3610 Wheeler Avenue
Alexandria, Virginia

CLOUD’S
ELECTRICAL SERVICE
ELECTRICAL CONTRACTOR
Phone (304) 263-9955
Charlestown Road
Martinsburg, West Va.
A. MYRON COWELL, INC.
QUALITY
MASONRY CONTRACTORS
538 Forest Glen Road
Silver Spring, Md.

BENJAMIN KRICK
Hyattsville
Maryland

ECONOMY BUILDING CO.
GENERAL CONTRACTORS
RESIDENTIAL
Phone 228-4905
835 North 14th Street
Wytheville, Virginia

BLACK & FAIRLAMB, INC.
GENERAL CONTRACTORS
RESIDENTIAL — COMMERCIAL INDUSTRIAL
Phone 359-6095
P.O. Box 6681
Richmond, Va. 23230

EARL ELECTRIC COMPANY
ELECTRICAL CONTRACTORS
RESIDENTIAL — COMMERCIAL INDUSTRIAL
Phone JE 2-7100
6822 North Fairfax Drive
Arlington, Virginia

KIRKWOOD G. BURKE
MECHANICAL CONTRACTOR
PLUMBING — HEATING AIR CONDITIONING
Phone JA 8-6563
1613 North Danville Street
Arlington, Virginia

GEORGE D. CLARKE
MASONRY & BUILDING CONTRACTOR
COMMERCIAL
Phone 564-3466
Toano, Virginia

COMMERICAL BUILDERS, INC.
GENERAL CONTRACTORS
PUBLIC UTILITIES WATER & SEWER CONSTRUCTION
Phone 583-1859
8491 Lynn River Road
Norfolk, Virginia
PAGE FOURTY-TWO
HAROLD L. KEETON
RESIDENTIAL AND LIGHT COMMERCIAL CONTRACTOR
Phone 784-5243
St. Reg. #4790
Manakin-Sabot, Virginia

THOMAS BURGESS
General Building Contractor
— RESIDENTIAL —
Phone MA 2-1711
Virginia Beach Blvd.
Norfolk, Va.

P. L. ELDER
Right-of-Way Contractor
CLEARING & FENCING
Phone 248-4603
Red House, Virginia

SAM ENGLISH, INC.
BOILER ERECTIONS & REPAIR
Phone 746-5214 or CO 6-7089
or
JAMES R. GARNER, JR.
266-9117
P.O. Box 9521
Richmond, Virginia

BURNER ELECTRIC SERVICE
Electrical Contractors
RESIDENTIAL — COMMERCIAL
INDUSTRIAL
Phone 743-5051
30 North Bank Street
Luray, Virginia

RUSSELL R. ROBERTSON
General Contractor
RESIDENTIAL — COMMERCIAL
INDUSTRIAL
Phone 293-7318
1317 Lester Drive
Charlottesville, Va.
W. R. BONSAL COMPANY INCORPORATED
Concrete
Decking Contractors

Phone 848-3667
LILESVILLE, N. C.

DeLUCA CONSTRUCTION CORPORATION
GENERAL CONTRACTORS

RESIDENTIAL — COMMERCIAL
INDUSTRIAL

Phone 533-8500
900 South Washington Street
FALLS CHURCH, VIRGINIA

Tell the Virginia Story

SEPTEMBER 1965
PAGE FIFTY-ONE
W. A. BLAIR  
Contractor & Builder  
St. Reg. 2605  
Bring Your Building Problems to Blair  
Blair-Builds-Better  
Phone 2440  
Gretna, Va.

Roy W. Gregory Construction Co., Inc.  
General Contractor  
St. Reg. 6009  
Commercial — Industrial  
125 Colley Ave.  
NORFOLK, VIRGINIA  
Phone 625-1689

NICHOLS PLUMBING & HEATING, INC.  
Plumbing, Heating & Air Conditioning Contractors  
St. Reg. 7687  
Phone 826-0539  
HAMPTON, VIRGINIA  
502 Rotary St.

BOATMAN & MAGNANI, INC.  
Ceramic Tile • Marble • Terrazzo  
Contractor  
Phone 543-1085  
WASHINGTON, D. C.  
306 H Street, N. E.

FRANCIS & EVANS, INC.  
Commercial & Residential Contractors  
State Registration No. 7458  
4736 Lee Highway  
ARLINGTON, VIRGINIA  
Phone 527-4241

BODELL & COMPANY  
Mechanical Contractors  
Plumbing — Heating — Air Conditioning  
Phone 425-3375  
Princeton, West Va.

BEAMER CONSTRUCTION CORP.  
— BUILDING —  
St. Reg. 7468  
Residential — Light Commercial  
Phone 877-9211  
NEWPORT NEWS, VA.  
13441 Warwick Blvd.

A. HAMILTON GEMMELL  
General Contractor  
St. Reg. # 5542  
Residential — Commercial — Industrial  
Phone NO 9-1734  
BRISTOL, VIRGINIA  
503 Green Acres Rd.

BRYAN & BECK, INC.  
Plumbing, Heating & Air Conditioning Contractors  
St. Reg. 7288  
Phone 296-7586  
CHARLOTTESVILLE, VA.  
1214 Monticello Rd.
JAMES M. COUCH, JR., Inc.

General Contractors

RESIDENTIAL • COMMERCIAL

INDUSTRIAL

J. C. DAFFARA

ELECTRICAL SERVICE

Electric Heat Specialists

& ELECTRICAL CONTRACTING

Phone HU 1-2565

5452 Colfax Ave.

Alexandria, Va.

JOHN D. CLAYBORNE

General Contractor

RESIDENTIAL — COMMERCIAL

#7649

Phone 524-5564

1225 North Utah St.

ARLINGTON, VIRGINIA
L. S. Holderfield
Grading & Excavating
Contractor
Commercial — Residential — Industrial
St. Reg. #7426
Phone 733-6292
Route #3 Box 445
PETERSBURG, VIRGINIA

Albor Realty, Inc.
N. E. Jones, Jr.
Builder
St. Reg. #7619
Phone RE 2-7936
3411 Boulevard
COLONIAL HEIGHTS, VA.

W. A. THOMPSON
General Building Contractor
1025 Randolph St.
WILLIAMSBURG, VIRGINIA
Phone CA 9-3455
St. Reg. #2555

COOPER ELECTRICAL CONSTRUCTION COMPANY
Electrical Contractors
Commercial — Industrial
Dial 275-8439
1023 Huffman Street
GREENSBORO, NORTH CAROLINA

CUSTOM FLOORS, INC.
Resilient Tile Contractors
Phone 356-4481
P. O. Box 309
McLEAN, VIRGINIA

Harvey W. Chavis
General Contractor
Commercial — Industrial — Residential
St. Reg. 7582
Phone ST 5-3704
SHACKLEFORDS, VA.

JACK W. DAVIS
General Contractor
Commercial — Industrial
Phone 304/ 529-4166
338 5th Avenue, Rear
Huntington, West Va.

M. G. BAGLEY
Masonry Contractor
Va. State Reg. #5025
P. O. Box 185
Phone 676-8069
KENBRIIDGE, VIRGINIA

FULLER ELECTRIC SERVICE
State Reg. # 6799
934 N. Stuart Street
Arlington, Virginia
Phone 525-8596
Mitchell's Well & Pump Co., Colonial Heights, Va.; Well Drilling

Modern Builders, Alexandria, Va.; Building

Modern Builders, Lynchburg, Va.; Building

Modern Decorating, Inc., Richmond, Va.; Painting & Wallpapering

Modern Woodwork Specialists, Inc., Richmond, Va.; Cabinets & Fixtures

Moeller Pools, Inc., Seabrook, Md.; Swimming Pools

Moehr, John & Sons, Chicago, Ill.; Bldg., Pub. Util., Iron & Steel Erection

Monroe, N. C. Construction Co., Greensboro, N. C.; Building

Montague-Beits Co., Inc., Lynchburg, Va.; Bldg. & Steel Erection

Mountain Plumbing & Heating Co., Moyers, Va.; Plumbing & Heating

Montgomery Construction Co., Grove City, Pa.; Building

Montgomery Construction Co., Inc., Lynchburg, Va.; Building

Montgomery Construction Co., Inc., of Maryland, Laurel, Md.; Highway

Montgomery Elevator Co., Moline, Ill.; Elevators & Escalators

Moonlight Enterprises, Inc., Murfreesboro, N. C.; Building

Moore Brothers, Inc., Verona, Va.; Highway

Moore Construction Co., Virginia Beach, Va.; Electrical


Moore, J. B., Lynchburg, Va.; Electrical

Moore, John, Virginia Beach, Va.; Building


Moore, K. E., Albermarle, Va.; Masonry

Moore, R. B., Richmond, Va.; Plumbing & Heating

Moore, Roger Construction Co., Manassas, Va.; Masonry

Moore, W. H., Inc., Alexandria, Va.; Masonry

Moore, W. W. & Sons, Inc., Richmond, Va.; Elevator Installation

Moran, Albert E., Sterling, Va.; Masonry


Morcom & Peters Building Contractors, Madison Heights, Va.; Building

Torell Realty & Construction Co., Inc., Alexandria, Va.; Building

Torence, Harold, Highland Springs, Va.; Building & Plastering

Torello & Egan Co., Washington, D. C.; Heating & Air Conditioning

Torello, J. A., Marshall, Va.; Electrical

Torello Refrigeration Co., Emporia, Va.; Hg., Air Cond. & Refrigeration

Torrison, Charlie, Charleston, W. Va.; Building

Torrison, C. D., Inc., Lynchburg, Va.; Building

Torrison-Johnson, Inc., Silver Spring, Md.; Excavating & Grading

Torrison-Kerr, Idaho; General—Unclassified

Trenton, Robert F., Richmond, Va.; Building

Tosby Realty & Construction Co., Winchester, Va.; Building

Tosby, R. D., Lynchburg, Va.; Plumbing & Htg. Sprink. Systems

Tosby-Elmwood Co., Lynchburg, Va.; Plumbing & Heating

Tosby, Marvin, Lynchburg, Va.; Plumbing & Heating

Tosby & Royal, Lynchburg, Va.; Plumbing & Heating

Moss-Ecco Co., Inc., Arlington, Va.; Concrete

Moss-Thomas Co., Inc., Leesburg, Ala.; Hwy., Escav. & Grading

Motorola Communications Electronics, Inc., Richmond, Va.; Electrical

Motorola Communications, Inc., Newport News, Va.; Highways

Motorola Electric, Inc., Newport News, Va.; Highways

Mout, Robert L., Virginia Beach, Va.; Building

Mottley Construction Co., Inc., Newville, Va.; Building

Mountain State Construction Co., South Charleston, W. Va.,; Building

Hwy. & Pub. Utility

Mowbray, Inc., Hampton, Va.; Hg., Air Cond. & Sheet Metal

Mowbray Construction Co., Danville, Va.; Building

Mowbray, George E., Jr., Painting Co., Richmond, Va.; Painting

Mowrey, Stuart, Arlington, Va.; Building

Moxley, D. R., Galax, Va.; Plumbing & Heating

Moylan, Thomas W., Co., Inc., Kensington, Md.; Sheet Metal

Muscleman Electric Co., Silver Spring, Md.; Electrical

Muirhead, Wm. Construction Co., Inc., Durham, N. C.; Bldg.

Muller, E. W., Contractor, Inc., Newport News, Va.; Highway

Muller, Edward L., Highland Springs, Va.; Building

Munsey Electric Co., Inc., Narrows, Va.; Electrical

Murchy, A. S., Bridgewater, N. J.; Public Utilities

Municipal Paving Co., Inc., Richmond, Va.; Highway

Murri, B. L. & Sons, Washington, D. C.; Painting & Papering

Murphy, L. H., Inc., Richmond, Va.; Building

Murphy, J. M., Roanoke, Va.; Electrical

Murphy, J. M., Co., Inc., Roanoke, Va.; Electrical

Murphy, W. K., Inc., Edenton, N. C.; Plumbing & Htg.

Phlg., Air Cond. & Sht. Mtl.

Mustin, D. J., Norfolk, Va.; Plastering

Myers-Christian Co., Kensington, Md.; Painting

Myers, Henry B., Hayes, Va.; Docks, Bulkheads & Boat Houses

Myers, J. E., Kingsport, Tenn.; Building

Myers, L. E., Inc., Richmond, Va.; Public Utilities & Electrical

Myers, LeRoy E., Clear Spring, Md.; Masonry

Myers, W. L., Inc., Mt. Jackson, Va.; Building

Myers & Whitsett, Waynesboro, Va.; Electrical

Nance Equipment Corp., Richmond, Va.; Plumbing & Heating

Nance, Glenn H. Contractor, Bedford, Va.; Building

Nance, J. C., Richmond, Va.; Building


Nash, R. D. & Son, Lynchburg, Va.; Building

Nash, W. W. & Sons, Inc., Richmond, Va.; Painting & Papering

Nathan-Wilson Construction Co., Norfolk, Va.; Hg., Air Cond.

National Advertising Co., Bedford Park, Ill.; Signs

National Asphalt Paving Corp., Merrifield, Va.; Highway

National Construction Co., Inc., Washington, D. C.; Concrete


National Drywall Applicators, Inc., Washington, D. C.; Drywall

National Fuel Gas Co., Muncie, Ind.; Gas Erection

National Paint Applicators, Inc., Washington, D. C.; Painting & Drywall

National Steel Erectors Corp., Muskogee, Okla.; Steel Erection

National Steel Manufacturing Co., Harrisburg, Pa.; Power & Ind. Piping

National Bridge Construction Co., Inc., Natural Bridge Station, Va.; Bldg.

National Gas Co. of Va., Inc., Richmond, Va.; Mechanical

National Painters, Pete Argl, Pa.; Blackboards.


Neale, B. F., Inc., Wheaton, Md.; Carpentry

Neale & Neal, Silver Spring, Md.; Carpentry

Nebel, John F., Washington, D. C.; Building


Nelson, "Bob" R. T. Painting Service, Oklahoma City, Okla.; Painting & Sandblasting

Nelson County Air Conditioning & Heating, Inc., Hokah, Minn.; Heating

Nelson Construction Co., Warrensburg, Va.; Building


Nelson, Wm. F., Inc., Washington, D. C.; Masonry

Neri, A., Inc., Hoboken, N. J.; Electrical

Nettles, Thomas Earl, White Plains, Va.; Phlg., Hg. Air Cond.

Newton Comfort Rentals, Inc., Silver Spring, Md.; Building

Newcomb, E. B., Madison Heights, Va.; Building

Newcomb Electric Co., Roanoke, Va.; Electrical

New Silver Steel Products Co., Silver Spring, Md.; Masonry

New River Construction Co., Fries, Va.; Excavating & Grading

New River Electrical Co., Roanoke, Va.; Public Utilities & Electrical

Newkirk, Geo. P., Inc., San Francisco, Calif.; Electrical

Newman, J. B., Inc., Mt. Jackson, Va.; Building

Newman Building & Material Corp., Timbrooke, Va.; Building

Newman, Wm., Roanoke, Va.; Bldg.

Newman, Rockwell Co., Orange, N. J.; Masonry Restoration & Waterproofing

Newport News Pipe & Sewer Co., Inc., Newport News, Va.; Sewer Systems

New York Air Conditioning Co., Inc., Hampton, Va.; Hg. & Air Cond.

Newcombe Bros., Emporia, Va.; Building

Newcombe, Geo., Albert, Emporia, Va.; Building

Newton Asphalt Co., Inc., Alexandria, Va.; Paving

Newton, O. A. & Son Co., Bridgeville, Del.; Building

Newton, Wm. J., Fredericksburg, Va.; Building

Nice Bros., Inc., Newport News, Va.; Hg., Air Cond.

Nicely-Beer Co., Inc., Knoxville, Tenn.; Painting

Nichols Plumbing & Heating, Inc., Hampton, Va.; Plumbing & Heating


Nicholson & Boyles, Merrillfield, Va.; Building

Nicholson, Earl O., Mineral, Va.; Electrical

Nicholson Sprinkler Co., Inc., Silver Spring, Md.; Sprinkler Systems

Niezen, S. N. Co., Chicago, Ill.; Building

Niezen Construction Co., Harrisonburg, Va.; Building

Nixon, M. K., Norfolk, Va.; Plumbing & Heating

Nixon, W. J., Newport News, Va.; Plumbing & Heating


Northwest Electric Co., Erie, Pa.; Electrical

Northwestern Steel Metal, Inc., Silver Springs, Md.; Sheet Metal

Norton Construction Co., Inc., Washington, D. C.; Concrete

PAGE FIFTY-EIGHT VIRGINIA RECORD

Founded 1868
FORD PILE FOUNDATIONS, INC.

J. S. MATHERS, INC.

R. Hugh McCauley
Road Builders, Inc., Nashville, Tenn.; Highway
Roanoke Engineering Sales Co., Inc., Roanoke, Va.; Metal Work
Roanoke Sprinkler Co., Roanoke, Va.; Sprinkler Systems
Roanoke Wood Preservers, Inc., Roanoke, Va.; Building & Mechanical
Roberson, W. E. Co., Salem, Va.; Painting & Decorating 5724
Robins, John D., Chesapeake, Va.; Building 5820
Robins, Gordon, Urbanna, Va.; Building 6420
Rogers, J. L., Winchester, Va.; Building 3480
Robson, George R. & Co., Culpeper, Va.; Building 828
Robins, J. R. Co., Mathews, Va.; Building 6615
Rockings, Robert E., Norfolk, Va.; Building 3087
Rohrbaugh, John M., Falls Church, Va.; Carpentry 7661
Rodgers, Earnest R., Suffolk, Va.; Building 6263
Rodgers, Burton N., Martinsville, Va.; Building 4628
Rockwell Radio & Electric Co., Rockwell, N. C; Electrical 57D7
Rockingham Construction Co., Inc., Harrisonburg, Va.; Pub. Util & Elect 283
Robinson, E. E., Huntington, W. Va.; Hwy. & Hvy. Const 4108
Robertson, H. W., Inc., Newport News, Va.; Building 5906
Roberts & Burrrs, Lynchburg, Va.; Ptg., Htg. & Sprinkler Systems 4807
Robinson, George C., Roanoke, Va.; Electrical
Robinson, G. W., Overland Park, Kans.; Building
Robinson & Thayer, Inc., Fairfax, Va.; Building & Concrete 5242
Robinson, George M., Culpeper, Va.; Building
Rocks Engineering Co., Washington, D. C.; Building 657
Rocklin, J. W., Roanoke, Va.; Building
Rodan Construction Co., East Bank, W. Va.; Pub. Util.—Water & Sewer 7519
Rodgers, Nancy M., Martinsville, Va.; Building 4683
Rodgers Electric Co., Inc., Washington, D. C.; Electrical 4808
Rogers, J. L., Winchester, Va.; Building 3480
Rohrbach, Elwood, Inc., Rocky Mount, N. C.; Building
Rohrbach, John M., Falls Church, Va.; Carpenter & Building 6604
Roland Construction Co., Abingdon, Va.; Building 5987
Rollason, Robert E., Norfolk, Va.; Building
Rollinson Engineering Co., Inc., Savannah, Ga.; Electrical 5893
Roof Engineering Co., Norfolk, Va.; Roof, Sh. Mtl. & Waterproo 3279
Roper, Fred J., Norfolk, Va.; Building 4809
Rose Bros. Co., Arlington, Va.; Roofing & Sheet Metal 7520
Rose, D. J., Inc., Rocky Mount, N. C.; Building 6720
Rose, R. H., Richmond, Va.; Building 6243
Rose, Thomas M., Falmouth, Va.; Building 7414
Rosier Bros., Inc., Harrisonburg, Va.; Building 8387
Ross-Thacker Construction Co., Charlotteville, Va.; Bldg., Masonry 7425
Rosser-Richards of N. C., Inc., Charlotte, N. C.; Pipe Coating & Wrapping 5983
Russell, E. A., Inc., Roanoke, Va.; Electrical 6274
Rotin Construction Co., Inc., Princeton, W. Va.; Building 6960
Rountree, Donald Edward, Handsboro, Va.; Building 4232
Rountree, Lemuel V., Newsoms, Va.; Building 6837
Rovals, Clyde R., Inc., Hampton, Va.; Highway 979
Ruckman & Hansen, Inc., Fort Wayne, Ind.; Hwy., Bridge, Dams & Hwy. Const. 6548
Rudolph Construction Co., Richmond, Va.; Building 7660
Rulon, Ralph C., Woodbridge, Va.; Structural Steel
Rutten Construction Co., Inc., Princeton, W. Va.; Building 5905
Rowland Co., Harrisonburg, Va.; Building 7660
Rowland Electric Co., Marion, Va.; Electrical 7415
Royal Pools, Inc., Newport News, Va.; Pool Contractor 6662
Royal School Laboratories, Inc., Richmond, Va.; Laboratory Furniture 7416
Rovall, Clyde R., Inc., Hampton, Va.; Metal Work 7414
Ruehman & Co., New York, N. Y.; Building and Mechanical Contractors 7415

SD Plants, Inc., New York, N. Y.; Building & Chemical Plants 5758
S & W Steel Co., Inc., Richmond, Va.; Steel Erection 4742
Saffell, W. C., Alexandria, Va.; Masonry & Sheet Metal 5440
Sagamore Construction of Maryland, Inc., Oxon Hill, Md.; Building 7638
St. Charles Manufacturing Co., St. Charles, Ill.; Kitchen & Hospital Equip. 3112
St. Louis, L. O., Inc., Savannah, Ga.; Building 6484
Sale, James W., Richmond, Va.; Building 3567

Road Builders, Inc., Nashville, Tenn.; Highway 3643
Roanoke Construction Co., Inc., Roanoke Rapids, N. C.; Pub. Util. 7204
Roanoke Engineering Sales Co., Inc., Roanoke, Va.; Metal Work 7106
Roanoke Iron & Bridge Works, Inc., Roanoke, Va.; Bldg., Hwy. 1136
Roanoke Sprinkler Co., Roanoke, Va.; Sprinkler Systems 7612
Roanoke Wood Preservers, Inc., Roanoke, Va.; Building & Mechanical 3808
Roberson, John D., Roanoke, Va.; Building 3820
Robertson, H. W., Inc., Newport News, Va.; Building 5906
Reinforcing Steel 6567
Roberts & Burrrs, Lynchburg, Va.; Ptg., Htg. & Sprinkler Systems 4807
Roberson, W. E. Co., Salem, Va.; Painting & Decorating 5724
Robins, John D., Chesapeake, Va.; Building 5820
Robins, Gordon, Urbanna, Va.; Building 6420
Rogers, J. L., Winchester, Va.; Building 3480
Robson, George R. & Co., Culpeper, Va.; Building 828
Robins, J. R. Co., Mathews, Va.; Building 6615
Rockings, Robert E., Norfolk, Va.; Building 3087
Rohrbaugh, John M., Falls Church, Va.; Carpentry 6604
Roland Construction Co., Abingdon, Va.; Building 5987
Rollason, Robert E., Norfolk, Va.; Building 4095
Rollinson Engineering Co., Inc., Savannah, Ga.; Electrical 5893
Roof Engineering Co., Norfolk, Va.; Roof, Sh. Mtl. & Waterproo 3279
Roper, Fred J., Norfolk, Va.; Building 4809
Rose Bros. Co., Arlington, Va.; Roofing & Sheet Metal 7520
Rose, D. J., Inc., Rocky Mount, N. C.; Building 6720
Rose, R. H., Richmond, Va.; Building 6243
Rose, Thomas M., Falmouth, Va.; Building 7414
Rolston, Robert E., Richmond, Va.; Electrical 6274
Ross-Thacker Construction Co., Charlotteville, Va.; Bldg., Masonry 7425
Rosser-Richards of N. C., Inc., Charlotte, N. C.; Pipe Coating & Wrapping 5983
Russell, E. A., Inc., Roanoke, Va.; Electrical 6274
Rutten Construction Co., Inc., Princeton, W. Va.; Building 5905
Rowland Co., Harrisonburg, Va.; Building 7660
Rowland Electric Co., Marion, Va.; Electrical 7415
Royal Pools, Inc., Newport News, Va.; Pool Contractor 6662
Royal School Laboratories, Inc., Richmond, Va.; Laboratory Furniture 7416
Rovall, Clyde R., Inc., Hampton, Va.; Metal Work 7414
Ruehman & Co., New York, N. Y.; Building and Mechanical Contractors 7415

S & W Steel Co., Inc., Richmond, Va.; Steel Erection 4742
Saffell, W. C., Alexandria, Va.; Masonry & Sheet Metal 5440
Sagamore Construction of Maryland, Inc., Oxon Hill, Md.; Building 7638
St. Charles Manufacturing Co., St. Charles, Ill.; Kitchen & Hospital Equip. 3112
St. Louis, L. O., Inc., Savannah, Ga.; Building 6484
Sale, James W., Richmond, Va.; Building 3567
<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southern Air, Inc.</td>
<td>Lynchburg, Va.</td>
<td>Building, Heating, Air Conditioning</td>
</tr>
<tr>
<td>Southern Air Conditioning, Sheet Metal &amp; Roofing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Southern Electric Co., Inc.</td>
<td>Farmville, Va.</td>
<td>Building, Electrical</td>
</tr>
<tr>
<td>Southern Heating, Air Conditioning, Sheet Metal &amp; Roofing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Southern Horace A. Filner</td>
<td>Richmond, Virginia</td>
<td>General Contractor</td>
</tr>
<tr>
<td>Southern Horace A. Filner, Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Southern Horace A. Filner, Inc.</td>
<td></td>
<td>Commercial — Residential Industrial</td>
</tr>
<tr>
<td>Southern Horace A. Filner, Inc.</td>
<td></td>
<td>5322 Argall Ave., Norfolk, Virginia</td>
</tr>
<tr>
<td>Southern Horace A. Filner, Inc.</td>
<td></td>
<td>MA 5-2213</td>
</tr>
<tr>
<td>Southern Horace A. Filner, Inc.</td>
<td></td>
<td>Norfolk, Virginia</td>
</tr>
</tbody>
</table>

**Complete Drafting Facilities**

- For the architect • contractor • engineer • surveyor
- Our staff of trained technicians permits us to go far beyond simple tracing work and allows the skilled professionals in your organization to be freed to perform more profitable duties.
- We would welcome the opportunity to demonstrate how our quality work can increase profits for your firm.

**Site Plans** • **Detailing** • **Perspectives** • **Topography**
**Presentations** • **Grading Plans and Estimates**
**Quantity Take-Offs** • **Sanitary and Storm Sewers**
**Profiles** • **Cross-Sectioning & Contouring**

**Vernon's**

**General Drafting Service**
5724 Hull Street Rd.
Richmond, Virginia

**Phone**
T. T. (TEE) VERNON, JR.
233-0104

**Address**
Richmond, Virginia
Owner NORFOLK Enterprise 198
VAN de RIET
CONSTRUCTION CO., INC.
St. Reg. # 7009
General Building Contractors
321 West 25th St.
Phone MA 7-2603
NORFOLK, VIRGINIA

JENKINS BUILDING
& SUPPLY CORP.
General Contractors
Residential — Light Commercial
St. Reg. 6272
Phone 462-2020
LIVELY, VIRGINIA

Raymond C. Robinson
Electrical Contractor
St. Reg # 3407
Commercial — Industrial — Residential
808 W. 35th St.
MA 2-3600
NORFOLK, VIRGINIA

R. A. BOOKER
GENERAL CONTRACTOR
Residential — Commercial
Industrial
Phone CO 6-2901
1624 Hungary Road
Richmond, Va.

Southern Desk Co., A Div. of Drexel Enterprises, Inc., Hickory, N. C.
School & Church Equipment...
Southern Electric Co., Norfolk, Va.; Elect. & Electronics...
Southern Electronics Corp., Norfolk, Va.; Elect. & Electronics...
Southern Elevator Co., Inc., Greensboro, N. C.; Elevators...
Southern Engineering Corp., Washington, D. C.; Building...
Southern Equipment Corp., Norfolk, Va.; Highway...
Southern Floors & Acoustics, Inc., Arlington, Va.;
Flooring, Acoustical & Ceramic Tile...
Southern Iron Works, Inc., Springfield, Va.; Iron & Steel Erection...
Southern Plate Glass Co., The, Baltimore, Md.;
Glass, Glazing & Architectural Metal...
Southern Prison Co., San Antonio, Texas; Jail & Prison Equipment...
Southern Roadbuilders, Inc., Augusta, Ga.; Highway...
Southern Roadway Corp., Sevierville, Tenn.; Concrete & Landscaping...
Southern Roof Deck Co., Inc., Roanoke, Va.; Roof Decks & Insulation...
Southern Waterproofing & Concrete Co., Inc., Richmond, Va.;
Building, Waterproofing & Concrete...
Southern Wood Preserving Co., Atlanta, Ga.; Wood Block Flooring...
Southside Electric Supply Co., Farmville, Va.; Electrical...
Southside Manufacturing Corp., Danville, Va.;
Institutional Furniture & Cabinets...
Southside Plumbing Co., Inc., Farmville, Va.; Pibs., Htg. & Building...
Southwest Building Corp., Roanoke, Va.; Building...
Southwest Construction, Inc., Roanoke, Va.;
Building, Bridges, Excavating, Pipe Lines, Curb & Gutter...
Southwestern Contractors, Inc., Baltimore, Md.; Metal Building Erection...
Spangler Mining Corp., Narrows, Va.; Escav., & Dike Construction...
Sparks, F. H. Co. of Maryland, Inc., Baltimore, Md.; Metal Buildings...
Sparks, Howard W. Co., Leesburg, Va.; Highway...
Spear, Wm. R., Norfolk, Va.; Electrical...
Specter Construction Co., Inc., Petersburg, Va.; Building...
Spens, George N., Annandale, Va.; Building...
Spencer, J. K., Jr., Lynchburg, Va.; Hwy., Public Utilities & Building...
Spiers & Co., Inc., Newport News, Va.; Mechanical...
Spiegel Plumbing & Heating Co., Portsmouth, Va.;
Plumbing, Heating & Air Conditioning...
Spratt, W. C., Inc., Fredericksburg, Va.; Pub. Util.-Water & Sewer...
Springfield Plumbing & Heating, Springfield, Va.;
Plumbing, Heating & Air Conditioning...
Sprinkle, D. A. Masonry Co., Portsmouth, Va.; Masonry...
Sprout, Waldron & Co. of Va., Inc., Maney, Pa.;
Machinery Installation & Building...
Squire, J. W. Co., Inc., Danville, Va.; Floor & Wall Covering...
Squires, Malcolm H., Pittsburgh, Pa.; Building...
S-Square Construction Co., Charlottesville, Va.; Building...
Squires, Malcolm H., Alexandria, Va.; Excav., Grad. & Pipe Lines...
Stackhouse, Inc., Goldsboro, N. C.; Public Utilities & Electrical...
Stafford, Bernard P., Richmond, Va.; Building...
Stafford & Gammon, Inc., Norfolk, Va.; Landscape, Grading & Seeding...
Standard Acoustics, Inc., Washington, D. C.; Acoustical...
Standard Art, Marble & Tile Co., Inc., Washington, D. C.; Tile & Marble...
Standard Construction Co., Inc., Washington, D. C.; Building...
Standard Electric Co., Inc., Silver Spring, Md.; Electrical...
Standard Engineering Corp., The, Albany, N. Y.; Bridges...
Standard Floors, Inc., Washington, D. C.; Floor & Wall Covering...
Standard Iron & Steel Co., Inc., Norfolk, Va.; Iron & Steel Erection...
Standard Roofing Co., Inc., Montgomery, Ala.; Roofing & Insulation...
Standard Tile Co., Inc., Staunton, Va.; Tile & Floor Covering...
Standard Construction Co., Inc., Landover, Md.; Building...
Stamp, John Corp., The, Harrisburg, Pa.; Building & Public Utilities...
Stapf, John Corp., The, Harrisburg, Pa.; Building & Public Utilities...
Staples, Leland A., Richmond, Va.; Building...
Star Construction Corp., Washington, D. C.; Carpentry...
Star Electric Co., Radford, Va.; Electrical...
Starkey Paint Co., Inc., Durham, N. C.; Painting & Papering...
Starr Electric Co., Inc., Greensboro, N. C.; Electrical...
State & City Asphalt Service, Inc., Lynchburg, Va.; Highway...
State Construction Corp., Chevy Chase, Md.;
Public Utilities-Water & Sewer Lines...
States Construction Co., Inc., Newport News, Va.; Building...
Staunton Electric Co., Staunton, Va.; Electrical...
Stavrou, N. S., Inc., Silver Spring, Md.; Building...
Steadman Construction Co., Kingsport, Tenn.; Building...
Stebbing Co., The, Baltimore, Md.; Acoustical Tile...
Stebbing, E. L. & Co., Inc., Baltimore, Md.; Lathing & Plastering...
Stebbins Engineering & Manufacturing Co., Watertown, N. Y.; Tile...
Steel City Construction Co., Inc., Birmingham, Ala.; Building & Pub. Util...
Steel Enterprise Inc., Blacksburg, Va.; Building...
Steel Erectors, Inc., Charleston, W. Va.; Steel Erection...
Steel, Russell Contractors, Arlington, Va.; Building...
Steel, J. H. & Sons, Inc., Portsmouth, Va.; Painting...
Steffey, G. C., Rural Retreat, Va.; Building...
Steigleder, H. R. Contractor, Bowling Green, Va.; Building...
Stephens, Charles B., Co., Jacksonville, Tenn.; Highway...
Stephens, E. R., Chincoteague, Va.; Building...
Stephenson, L. M., Portsmouth, Va.; Building...
Stephens, Charles B., Co., Jacksonville, Tenn.; Highway...
Stokes Lumber Co., Front Royal, Va.; Building...
Stevens, R. K., Jr., Masonry Corp., Norfolk, Va.; Masonry...
Stinson, J. L., Richmond, Va.; Building...
Stewart, James & Co., Inc., Falls Church, Va.; General-Unclassified...
Stewart, R. K. & Son, High Point, N. C.; Building...
Stewart, Wade C., Delmarva, Va.; Building...
Stier, W. F., Jr. Masonry Corp., Norfolk, Va.; Masonry...
Stives, L. M., Louisville, Ky.; Plumbing & Heating, Springfiel...
Ernest L. Kellogg
Electrical Contractor
Residential — Commercial
St. Reg. 7693
Phone 591-5545
3210 Pickett Road
FAIRFAX, VIRGINIA

JOHN D. HURT
Painting Contractor
St. Reg. 7754
Industrial — Commercial
Institutional
Brush or Spray
239-0461  1207 Lakeview Drive
LYNCHBURG, VIRGINIA
More Than 30 Years' Experience

John H. Snyder, Jr.
Building Contractor
St. Reg. 7643
Residential — Commercial
Phone 337-2246
Box 194  Stuarts Draft, Va.

J. L. BRUCE
General Contractor
St. Reg. 7796
Commercial — Industrial
Phone 898-5675
P. O. Box 291  Yorktown, Va.

BROOKS & ELLIOTT
Building Contractors
Residential — Commercial
Phone HI 3-3101
P. O. Box 188  Tappahannock, Va.

COLE STEEL COMPANY
Metal Buildings & Steel Erection Contractor
Phone 428-3094 — 340-5735
Virginia Beach, Va.

WARREN ADAMS
Painting Contractor
St. Reg. 7723
Spray • Roller • Brush
Commercial — Residential
Industrial
Phone 253-5532
The Plains, Virginia

BOWERMAN BROTHERS, INCORPORATED
General Contractors
Residential — Commercial — Industrial
Phone 678
BERRYVILLE, VIRGINIA
15 First Street

L. & Y. PLUMBING COMPANY
Mechanical Contractors
Plumbing • Heating • Air Conditioning
Phone 729-2333
Pinto, Maryland

FLOWERING TREES — SHADE TREES
EVERGREENS — FLOWERING SHRUBS
Vines, Ground Covers, Spring Flowering Bulbs
Plant Material for Highway, Community Planting Projects
and Housing Developments

FRAZIER'S ROOFING COMPANY
State Registration #7199
6422 Richmond Highway
Alexandria, Virginia
Phone 768-4533

WAYNESBORO NURSERIES
WAYNESBORO, VIRGINIA

Flowers for planting guides and discounts to contractors
Ask for Free Copy 56-Page Planting Guide
in Color

WAYNESBORO NURSERIES
WAYNESBORO, VIRGINIA
Wedderburn, Augustus, Falls Church, Va.; Building 1901
Weaver, W. H. Construction Co., Inc., Greensboro, N. C; Building 2269
Weller Electric Co., Herndon, Va.; Electrical 5767
Weilz Co., Inc., Des Moines, Iowa; Building 6267
Weiss Construction, Inc., Washington, D. C; Building 7420
Weigaiul Construction Corp., Virginia Beach, Va.; Building 7207
Webster Bros., Herndon, Va.; PLbg., Htg. & Air Cond 5766
Webster & Webster, Inc., E. Hartford, Conn.; Fences & Curbing 3791
Wedelleburn, Augustus, Falls Church, Va.; Building 1901
Weeks & Andrews Construction Co., Anseboro, N. C; Pub. Util. 4060
Weinberg, H. L., Alexandria, Va.; Masonry 6622
Weilman Construction Co., Mineral, Va.; Building 2064
Wiechmann, H. L., Alexandria, Va.; Masonry 6628
Whitlow, M. L., Inc., Alexandria, Va.; Building 6628
Whitlock Construction Co., Mineral, Va.; Building 2064
White Construction Co., Inc., Richmond, Va.; Building 2076
White, W. H., Jr., Richmond, Va.; Electrical 3975
Whitehead Electric Co., Atlanta, Ga.; Electrical 6709
Whitney, S. H., Inc., Southfield, Michigan; Building 4853
Whiting-Turner Construction Co., The, Baltimore, Md.; Bldg. & Hwy 7082
White, E. P., Englewood, New Jersey; Building 3180
Whitney, J. E., Inc., New York, N. Y.; Building 4285
Whitman, W. H., Jr., Richmond, Va.; Htg., Plbg., & Air Cond. 6725
Whitney, W. D., Suffolk, Va.; Building 7142
Whitney, Earl, Enterprises, Inc., McLean, Va.; Building 6577
White’s Electric Service, Wilson, N. C; Electrical 6535
Whitebrooks Construction Co., Mineral, Va.; Building 2064
White, W. F. & Sons, Inc., Norfolk, Va.; Bldg., Plbg., & Air Cond. 6720
White Lock Construction Co., Canton, Miss.; Building 4510
White, E. M. & Son, Roslano, N. C; Building 7201
White Construction Co., Inc., Massapequa, New York; Building 7142
White, E. C., Inc., McLean, Va.; Building 7421
White, W. H., Jr., Richmond, Va.; Lathing, Plast. & Drywall 7190

ANDREWS & PARRISH
GENERAL CONTRACTORS
State Registration No. 3218
Commercial and Industrial Construction

School St. at Aspen Ave. (Greeendale) P. O. Box 9498
Richmond, Va.

 founded 1876
A. J. ELLIS
CONSTRUCTION
CO., INC.

General Contractors

PUBLIC UTILITIES CONSTRUCTION

Phone (301) GR 4-7100
555 Branchville Road
College Park, Maryland

J. T. WOMACK
& COMPANY

Water & Sewer Lines
Grading & Paving

ST. REG. 7791
COMMERCIAL — INDUSTRIAL

Phone 855-3081
3442 Azalea Garden Road
Norfolk, Virginia

CONDON-REED
REFRIGERATION
INC.

Heating & Air Conditioning
Contractors

Phone JE 4-5555
138 W. Jefferson St.
Falls Church, Virginia

ELMORE CONSTRUCTION
& SUPPLY CO., INC.

General Contractors

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

Phone 241-3129
Box 45
Catawba, N. C.
The "Patients" Grow

Impatient

(Continued from page 5)

the ear, the alimentary canal, the foot—with no relation to the whole man.

By the statement of all doctors, it is no longer possible for one doctor to know the whole man, and I for one accept this statement without reservation. Without the specialized knowledge of a pediatrician, one of my two daughters would have grown up with a defective hip; the symptom that led to its detection, and cure, would not conceivably have been observed by the old family doctor who delivered the baby, gave his vaccination, and looked after sister’s measles and Granny’s rheumatism in passing, and then prescribed glasses after the infant had grown up. It is right and proper that a specialist now operate in each of these fields. Yet, the patient still needs to have a medical authority responsible for the whole man.

Needless to say, socialized medicine will not achieve this, nor does the general public actually expect it to. The patient does not know what to expect of socialized medicine, since he regards it largely as a protest against current medical practices. Even though I have been fortunate in being in the care of highly considerate doctors, my own sicknesses in the past few years have simply been more expensive than I could afford, including the frightful costs of drugs. I can understand mounting protest against a profession including the drugs prescribed, enriching itself off human illness and misfortune. The doctors do not control the drug industry, but their care of patients includes turning the victim over to be gouged by drug-makers whom I regard as a barbarous vestige of the Robber Baron age at its worst. It is where drugs enter that the average family is justified in making an protest that will bring the treatment of human ailments within a reasonable proportion of a family budget—after taxes.

If public demand and the governmental drift attempt a solution of the high cost of illness through socialization of medicine, my personal belief, I said, is that the remedy will be worse than the cure. One evil will be remedied by a worse one. But, to repeat, the evil of cost is only what the public thinks it is striking at; it is a tangent objective in an obscure area of emotional protest. Basically, as revered figure, the doctor has had his own to live up to the idealized "image" (though not repudiating it.)
JOHN H. DAVIS COMPANY
Paint Contractor

616 Portland Street, S.E.
WASHINGTON 20, D. C.
John 1-2727

STANDARD ELECTRIC CO., INC.
Electrical Contractors
MARYLAND, DISTRICT OF COLUMBIA & VIRGINIA
Va. State Reg. #4887
COMMERCIAL • INDUSTRIAL • INSTITUTIONAL
Phone 587-1929
SILVER SPRING, MARYLAND

J. C. Hungerford, Inc.
A. B. Creasy, Jr., Vice President & General Manager

ESTABLISHED 1933
St. Reg. 5349
Painting & Decorating Contractors
2602 Hull Street Phone BE 2-2351
Richmond — Virginia

Hankins & Johann, Inc.
MANUFACTURERS OF ARCHITECTURAL METAL PRODUCTS
P. O. Box 7147 RICHMOND 21, VIRGINIA Colony 6-2421

ALUMINUM ENTRANCES
EXTRUDED SHAPES
DISPLAY CASES
CURTAIN WALL
FORMED SHEET

SOLAR GRILLES
GRAVEL STOPS
RAILINGS
COPING
FASCIA

Since 1919
St. Reg. 4087
and people rely on Piedmont

In Virginia, Piedmont serves 18 cities—more than any other airline. Daily, scheduled flights provide a direct link to other important cities throughout the world.

Modern F-27 Prop Jets and 404 Pacemakers offer faster business connections and easy traveling to your favorite vacation spots.

Next time you're traveling along the Route of the Pacemakers, join the people who rely and fly on Piedmont.

PIEDMONT AIRLINES
Route of the Pacemakers

Ready Mixed

"NO JOB TOO LARGE—NO JOB TOO SMALL"

Build With Strength
"MIXED TO YOUR SPECIFICATIONS"
MORTAR SAND
CURB BLOCKS
WATER RESERVOIRS
SPASH BLOCKS
STOCK STOPPER
CATTLE GUARDS
PRECAST
SEPTIC TANKS
Delivery and Installed Tank and Drain Tile

Dial 483-5155
WORLEY READY MIX CONCRETE INC.
Martinsville Hwy.
St. Reg. 6901
Rocky Mount, Va.
seems unthinkable that a person should demand a medical system in which he paid for getting well, with some modicum of convenience to himself.

I would suggest that doctors regard themselves more as mechanics, stop referring to non-medical people as "laymen" (with the implication that doctors represented a learned profession and the "laity" was unlearned), and, instead of defending their practices against attacks, make some moves toward inaugurating a system that worked as well as a garage.

However, if I were being paid to give this advice to the medical profession, I would not expect doctors to follow it. Organization would violate their own self-images. Yet, I will venture one prediction: either the medical profession organize itself on an efficient basis, where patients can be treated as well as automobiles are—all the parts and the whole person—in a coherent operation at reasonable cost (to purse, to time, and to the patients' convenience), or the government will step in. With no awe to stand between the doctor and the patient, the public will be served.

As of right now, the "patients" are growing in-patient, and think of themselves more as victims. They are victims of a system, in which the doctors are also caught. The doctors, however, can do something to change the system. The chances are that they probably will not act voluntarily. Nor can they be reproached for not acting voluntarily by anyone sympathetic to individual initiative and enterprise. But doctors must face the gritty fact that individual initiative and enterprise can be supported only when the public gets what it wants. In today's market, you insist upon doing what you want the way you want it, you must decrease modestly and not expect the rewards that come to crowd-pleasers.

Doctors of the nation, you are not leasing the crowds; whose fault it is matters not in the least; once you live by the public, the public calls the tune. Doctors, with their professional memories of the prestige of another era, apparently assume their privilege insulates them from the rule of their customers—called, with a charmingly quaint vestige of another day, "patients." Personally, I'm only sorry they've got to find out for themselves and will not take action to forestall the inevitable.

To Live With and Love . . .

Every Golden Minute

Add a decorator's touch with the classic elegance of clocks. Turn a house into a home with sweet and mellow chimes that strike a warmly reassuring note in darkest night or greyest day. More than a proudly patrician piece of furniture, your Ridgeway clock is also a lifelong family friend. For the look of drama, the serene sounds of time, grace your home with a Ridgeway clock from the brilliant World's Fair Collection!
IN OUR MAIL BAG

• Space has prevented us from sooner acknowledgment of the many letters expressing appreciation of our July issue which featured the Counties of the Commonwealth.

We particularly appreciated the friends who took the trouble to call to our attention several errors and we certainly wish to share the corrections as addenda for the purpose of anyone who may be using that issue for reference purposes.

ONE: THIS IS NOT PALACE GREEN

... but MAGNOLIA, Mathews County

THIS IS PALACE GREEN, Mathews County home of Mr. and Mrs. John Warren Cooke.

According to Miss Dahlia E. Callis, Mathews County Librarian, who was kind enough to identify the homes properly, the old mill shown in the Mathews County article may be the one at “Poplar Grove.” If so, repairs have been made since the picture—apparently quite an ancient one—was taken, and the Mathews Historical Society wants very much to open it to the public but can’t see how to do so without creating a nuisance for the residents of “Poplar Grove.”

A further omission in this locality concerned the fact that the North River borders both Gloucester and Mathews counties.

IN OUR MAIL BAG

TWO: THIS IS NOT MECKLENBURG COUNTY COURT HOUSE

This is MECKLENBURG COUNTY COURT HOUSE

For this, our thanks to N. G. Hutcheson, Clerk of the Mecklenburg County Circuit Court.

An admirer who often generously writes to express his appreciation, writes now “just to keep the records straight.” Mr. Henry A. Wise, of Craddockville, says with reference to our statement that Northampton became a separate county from Accomack in 1642: “Instead of becoming a separate county in 1642 the name of the county, Accawmacke, was changed to Northampton but what we know as Accomack and Northampton now was still one county. It was not until 1662 that the separation of the one county took place, with the boundary lines being established as they are today. “The first Court for Accomack County as it is today was held in January, 1663. The Court records from 1632 to 1662 are in the Northampton Court House at Eastville, and as the reference to Northampton County stated are the oldest continuous set of Court records in America. The Federal Army took control of the Eastern Shore very soon after the beginning of the Civil War and apparently the only damage to buildings or records was to several churches that the Army used for horse stables.”
29th Annual Rose Show

The twenty-ninth annual Rose Show of The Garden Club of Virginia, sponsored by the Virginia Beach Garden Club, will be held on Wednesday, October 6 from 9 to 9 p.m. (EST) and Thursday, October 7 from 10 a.m. to 4 p.m. at the Cape Colony Club, Atlantic Avenue at 57th Street, Virginia Beach.

(Continued on page 78)

ANDREW J. DEAS, III, INC.

General Contractors

RESIDENTIAL  •  COMMERCIAL  •  INDUSTRIAL

Phone 596-0789

512 Muller Lane
Newport News, Va.

BRUNSWICK LUMBER CO., INC.

MANUFACTURERS OF YELLOW PINE

S. P. I. B.
Grade Mark 840

Phone 2611

ALBERTA, VIRGINIA

SEPTEMBER 1965  PAGE SEVENTY-SEVEN
DO YOU KNOW?

Why Deep-Strength Asphalt pavement overcomes cracking...
The solution to de-icing damage in winter...
How to get maximum use out of road-building dollars...

Why build cracks into a pavement?
Cracks in a pavement cause a noisy, rough ride. Cracks permit water to penetrate into the road foundation. Cracks built into a pavement spall and become wider and rougher. Cracks cause the thump-thump-thump so annoying to drivers.

Some pavements must be built with cracks. The cracks are necessary to permit expansion and contraction with temperature change. These pavements have very little fatigue resistance and are brittle. Vibration or repeated flexure under traffic create more cracks. More cracks lessen impact resistance, etc., etc.

Some pavements that appear to be Asphalt crack after construction. These generally are reflected cracks—cracks that developed in the brittle base under the thin riding surface. These cracks also increase in size and number with time, and cause pavement failure.

There is a solution to cracks in a pavement. Build a pavement that is not rigid and brittle, that requires no expansion or contraction cracks, that will not develop reflection cracks. Build an all-Asphalt pavement. This pavement will be remarkably impact and fatigue resistant and will "give" under traffic loads—without cracking. It will ride better, be safer, look better, last longer and cost less. This pavement is Deep-Strength Asphalt concrete (Asphalt-surface on Asphalt-base).

What pavement solves the de-icing damage problem?
Results of an exacting test conducted by engineers of The Asphalt Institute have now proven conclusively that Asphalt pavements are not damaged by either sodium or calcium chlorides normally used on roads in winter. A duplicate test-series using ammonium sulfate and nitrate de-icing salts resulted in similar findings. (For a complete report of this significant test, see Highway Research Board Record No. 24, published by the Highway Research Board, 42nd Annual Meeting.)

What is stage construction?
Stage construction is a progressive road-building process that provides the road that is needed now and defers until tomorrow the construction that will be needed then, built with funds that will become available then.

Most of our existing roads in the United States represent a form of stage construction. Primitive trails were developed into wagon roads—later they were improved by layers of rock or gravel; and finally, they were widened, straightened and asphalt-surfaced as the need developed.

Modern stage construction is more important than ever. It can be accomplished in two ways. First, there is stage construction in depth. Here, a usable heavy-duty Asphalt-base is built, with one or more Asphalt riding courses to be added later when needed. Second, there is stage construction in width, building today the lanes that are sorely needed to relieve traffic congestion, while reserving right-of-way for additional future lanes when traffic needs increase.

Stage construction is a key to a solvent highway program!

THE ASPHALT INSTITUTE
1901 Pennsylvania Ave., N.W.
Washington, D.C. 20006
BUILDING or BUYING

Make it a RULE TO
Finance . . .

AT
FRANKLIN
FEDERAL SAVINGS
AND LOAN ASSOCIATION

J. B. BOURNE JR., President

7TH AND BROAD • THREE CHOPT & PATTERSON • SOUTHSIDE PLAZA • AZALEA MALL