

APRIL 1970

THE AGRICULTURE Scene



and

THE VIRGINIA BRANCH



tinner

K C C K A B B

an he

AMERICAN INSTITUTE ARCHITECTS MAY 4 19/0 LIBRARY



Herschel Jones Marketing Service, Inc.

New York City Headquarters for Virginia Apples Export and Domestic

100 Hudson Street New York, N. Y. 20013

Telephone Area (212) 925-5168

MURPHY & AMES, INC.

Lumber – Millwork – Building Supplies

"Builders Wise Use Our Supplies"

Phone 533-3100 6908 N. Fairfax Drive, Arlington, Va. 22213

Something NEW from GLAMORGAN in 1970

DUCTILE IRON PIPE

in

14" & 16" SIZES

We are now successfully producing DUCTILE IRON PIPE and look forward to furnishing your requirements.

GLAMORGAN PIPE & FOUNDRY CO.

Phone 703/845-8021

P. O. Box 740

Lynchburg, Va. 24505



MR. CITIZEN SAYS-

We salute the Virginia Department of Agriculture & Commerce

THE CITIZENS BANK

INCORPORATED

SOUTH HILL, VIRGINIA

Member Federal Deposit Insurance Corporation Member Federal Reserve System

ARMCO

AUTHORIZED DEALER Armco Building Systems

PHONE 885-0886

J. B. WINE & SON, INC.

GENERAL CONTRACTORS

A

P. O. BOX 1000 VERONA, VIRGINIA



H. A. Lucas & Sons, Inc.

General Contractor

5320 Williamson Road Dial 366-3437 ROANOKE, VA. 24012

Heath Roofing Co., Inc.

Roofing Contractors

Commercial – Industrial

Phone 826-4104 HAMPT

4104 607 Rotary Street HAMPTON, VIRGINIA

STANDARD TILE COMPANY, INC.

Ceramic Tile — Resilient Tile Marble & Stone Quarry Tile — Terrazzo Birch Cabinets

Call for Free Estimates 886-2317

P. O. Box 977

Verona, Va. 24482

P. E. EUBANK & CO.

Excavating Contractors

Concrete Construction • Foundations

- Excavating Work of All Kinds -

Grading • Clearing • Road Work • Driveways Parking Lots • Sidewalks • Sewers 1730 Kelly Road Phone 355-8555 RICHMOND, VA. 23230

"AN INDEPENDENT PUBLICATION-FOUNDED 1878 TO TELL THE VIRGINIA STORY"



Published Monthly at the State Capital By Virginia Publishers Wing, Inc.

EDITORIAL OFFICES: 405-A EAST FRANKLIN STREET Phones: 644-2722 or 644-6717

VIRGINIA RECORD is an independent publication cooperating with all organizations that have for their objectives the welfare and development of Virginia. While this publication carries authori-

Vol. 92-No. 4

R. N. ANDERSON, JR., AIA Architectural Editor JOE H. YOUNG W. T. MILLIS Advertising Director Executive Editor

CLIFFORD DOWDEY, Editor

JAMES M. MCELROY, Staff Photographer

Address All Mail to: VIRGINIA RECORD

P. O. Drawer 2-Y, Richmond, Va. 23205 "Second-class postage paid at Richmond, Va."

tative articles and features on statewide and local industries, business, governmental and civic or-ganizations, they are in no other respect responsi-ble for the contents hereof.

1 year \$3-2 years \$5-Per Copy 35¢ APRIL 19

Do We Have To Lag Behind Alaska

AFTER AN EDITORIAL appeared here recently on the uneducableness of most college students, two professors told me I had not gone far enough they thought the point to stress was that most adults were uneducable. Actuall these relatively younger professors said that "most Virginians" could not h educated, but I felt that their lack of broad experience made them a little han on their native state. After all, it is a national phenomenon that one-half of th population never read a book after they are out of school. Eric Goldman, in h book on Lyndon Johnson, faulted the educational habits of a country in whic an adult could spend thirty years prominently in public life in the nation capital and remain, culturally, an ignorant man.

Then I chanced upon some astonishing facts about the books available Virginians, through public libraries, and it must be admitted that our state near the bottom. With nearly half of our counties unserved by public librar services, we are tied with Minnesota at fourth from the bottom in the number of counties that have no library service. Only Kansas, Oklahoma and Iowa the whole country have more counties unserved by a library service.

If we shift the measurement to the percentage of the total population which receives no public library service, we climb to tenth from the bottom (tied with Oregon). However, to make this position even worse, eight of the nine stat below are states with low populations scattered over hugh land areas-Oklahom and Kansas, Nebraska and Iowa, the Dakotas, Idaho and New Mexico. Of a the states east of the Mississippi River, the only state with a higher unserve population than Virginia's is West Virginia.

Away from percentages, to the actual number of persons unserved by public library services, only the populous states of Illinois and Pennsylvania have large unserved numbers than Virginia.

Perhaps the gloomiest figure is in the volumes per capita: here Virginia is 47th place, followed only by Mississippi, Nevada, and West Virginia. This mean that, except for Nevada, every state west of the Mississippi-not one of which was in existence when Virginia flourished in her glory at the beginning of the 19th century—does a better job in providing books, per capita, for its inhabitan than the oldest English settlement on the North American continent.

Much of this condition results from the little money allotted to library service in the proud Commonwealth. In per capita expenditures, Virginia ranks 36th squeezing past Montana by three cents. But, as these figures are based on the population of the 1960 census-while the library figures are for 1966-67 an 1968-69-the growth of the state's population by next year's census will undoubtedly make Virginia's per capita expenditure even farther down the list. As of right now, the Arthur D. Little Report on public library service in Virginia stated that the state and federal funding is so small that it makes hardly any impact at all.

The small expenditures naturally do not end with the low allottments for books: salaries are also low. The result is that Virginia is chronically hard put to supply its existing libraries with trained librarians, and its (Continued on page 44)

APRIL 1970

IN THIS ISSUE

THE VIRGINIA DEPARTMENT OF AGRICULTURE AND COMMERCE

Controlling the Quality of Our Environment
By Maurice B. Rowe, Commissioner VDAC
The Agricultural Scene By Roy Seward, Jr., Information Technician, VDAC
In Agriculture—Self-Help Creates
New Horizons By Ray Schreiner, Director of Infor- mation, VDAC
Natural Resources in Virginia's Future By S. Mason Carbaugh, Director Virginia Soil & Water Conservation
Commission
THE VIRGINIA A. G. C. REVIEW
Virginia Branch A. G. C. Convention '70 By Nickie Arnold
CENTURY CONSTRUCTION CO., INC.
Palmore Lodge
S. LEWIS LIONBERGER CO. Moody Hall, VMI
ROBERT R. MARQUIS, INC. Hampton Chevrolet
R. E. LEE & SON, INC. Woodberry Forest School
MONTGOMERY CONSTRUCTION CO., INC.
Royal Crown Bottling Co
Q. M. TOMLINSON, INC. Macke Properties, Inc.
R. G. MARTZ CONSTRUCTION CORP.
UVB/State Planters, Petersburg
Travelers' Guide

COVER NOTE: Clean air, land and water are vital to the well-being of every Virginian -urban and rural. These can only be accomplished by each of us living up to his own conservation responsibilities. (Photo courtesy of the Greater Richmond Chamber of Commerce)



Controlling the Quality of Our Environment

By

MAURICE B. ROWE, Commissioner

Virginia Department of Agriculture and Commerce T HE decade of the seventies appears to be destined as an era in in which an alerted citizenry finally realized the damage that had been done to their environment, and determined to do something about it before their world became an unfit place in which to live. The present wave of protests about the pollution of our land, air and water comes from all age groups and strata of our society. Although these rumblings have been going on for some time, the conservationists finally made their point, and a good proportion of the public now believe that the danger is real and imminent. This is favorable, as the resulting build-up of pressures is literally forcing action on the part of both government and industry that will hopefully mark a turning point in this complex struggle. Here in Virginia, it is particularly gratifying to note the vigorous

Here in Virginia, it is particularly gratifying to note the vigorous and aggressive manner in which Governor Linwood Holton approached this threat. In his first major address to the General Assembly on January 20 he expressed the intent to create a Governor's Environmental Quality Council comprised of various agency and department heads. This carefully chosen group will examine environmental problems for which no existing agencies are presently responsible, and make recommendations for their handling. The governor also took a strong position against both water and air pollution, and made specific recommendations designed to bolster the state's present programs.

With all the present furor it is easy to assume that the fouling of our environment is a comparatively recent evil that has risen to plague us. However, this is not true, as the problem of pollution dates back many centuries. In fact, the notorious black death epidemic which struck the cities of medieval Europe and Asia in the 14th century most likely resulted from the lack of use of the then-known sanitary engineering facilities— an early case of neglect. And the problem of air pollution was also recognized late in the 13th century when King Edward I issued an edict setting the death penalty against the burning of coal. However, this overreactive stage soon passed, and air pollution later reached appalling proportions in 17th century England. In our own state of Virginia early protests were made against air pollution. Specific complaints were registered against the

VIRGINIA RECORD

Founded 1878

problem in Richmond when it first became the Capital in 1779, and later during the War Between the States when the city suffered from overcrowding.

Research shows that there is a definite relationship between pollution of the environment, population growth, and technological progress. Man is a messy animal, and the more men there are — particularly in one area — the greater the mess they create. The rapidly spiraling U.S. growth rate, which has mushroomed from 100 to 200 million during the past fifty years and will probably approach 300 million by the end of the century, graphically illus-trates the extent of this problem. Although the demands of our burgeoning population have stimulated technological advances, this progress has often been accompanied by the waste of irreplaceable fuels and minerals, and may have also caused irreversible ecological harm which some contend has upset the balance of nature.

Even in the area of agriculture, which has made tremendous gains in productivity during recent years largely through the application of technology, questions about pollution and waste must be given careful attention. It has been estimated that U. S. agriculture generates 1.3 billion tons of farm manure and refuse, some of which could be dangerous to health. Farm chemicals are also a possible source of environmental contamination, although industrial pollutants and city wastes are unquestionably the major offenders.

The Virginia Department of Agriculture and Commerce conducts a great variety of regulatory programs which serve the citizens of the state in many ways. Certain of these programs give us control over commodities such as pesticides and other chemicals used on farms which might be accused of polluting the environment. We are continuing to review all pesticide registrations carefully, eliminating all uses not in conformity with the pesticide policies of USDA and HEW. Non-persistent pesticides are used in our pest control programs when an effective, nonresidual method of control is available. When persistent organo-chlorine pesticides are deemed necessary to combat pests, they are used under strict supervision, in minimal effective amounts, and at minimal effective frequencies.

Much investigation and research is being accomplished at the federal level to determine the extent of agriculture's contribution to the pollution of our soil, water, and air because of the effect such contamination may have on our future food supplies. The following



Good conservation practices and clean water are vital for both Virginia agriculture and the further development of the state's rural area.

is quoted from the 1969 USDA Yearbook of Agriculture entitled Food For Us All. "As fertilizers, insecticides, and other chemicals form a vital link in our capacity to produce food, solutions to the problem of contamination may have to come from greater biological controls over disease and insects, by the using of new and possibly safer chemicals, and, possibly, by reduced applications." Although nearly everyone now accepts the need for the regulation of pesticides, we certainly do not want to decrease our agricultural productivity drastically by excessive restrictions on their usage. There needs to be a proper balance between hazards—true and fancied-and benefits.

In spite of the current trend toward urbanization the great majority of Virginia's land area is rural, which gives agriculture a high degree of control over most of the state's resources. Agriculture's importance must therefore always be kept in mind whenever decisions are made regarding the quality of our environment. In this connection, VDAC recently established the position of director of Rural Resource Services. This individual, who also serves as director of the Virginia Soil and Water Conservation Commission, places special emphasis on the development of our rural areas. He is thoroughly familiar with all of the department's activities and how they apply, and can readily assess and relate them to any considerations concerning conservation and rural development that may arise. (Another article in this issue provides more details about VDAC's rural resource services and the work of the Virginia Soil and Water Conservation Commission.)

The department also has an agribusiness specialist whose responsibilities include the collection and dissemination of resource information for agriculture firms that helps to draw more industry into the state's rural areas. This effort is closely aligned with research now being conducted by the Rural Affairs Study Commission, which is seeking to determine the best means of utilizing the state's existing rural resources and to develop facilities in rural areas for the support of industry. Such measures are critically needed to create a more even dispersal of Virginia's increasing population, now heavily concentrated in urban areas, in order to alleviate intensifying problems in the cities which are lowering the quality of our environment.

We in Virginia have been blessed with many natural resources which make the Old Dominion such a fine place for commerce, industry, agriculture, tourism, recreation, and day-today living. I am confident that coordinated efforts by government, industry, and agriculture will do much to restore the ravages that have been made to our land, air and water. However, each of us must also live up to his own conservation responsibilities. Although the blame for pollution has been placed in many areas, people themselves are the heart of the problem, and only their awakened interest and united action can effectively conserve and protect the quality of our environment.

to tell the Virginia Story



"the farmer of 19th century America was still using real horse power while steam engines were being harnessed to do the work of factories and mills . . ."

THE AGRICULTURAL SCENE

By Roy SEWARD, JR., Information Technician, Virginia Department of Agriculture and Commerce

Yesterday

The farm once represented a "way of life" quite different from that found in the industralized urban areas. Tradition-bound to practices as ancient as the first settlements along the Tigris and Euphrates, the farmer of 19th century America was still using real horse power while steam engines were being harnessed to do the work of factories

and mills.

While the farm was almost unchanged, the city was in flux. A revolution caused by inventive men was changing the social and economic structure of our nation. As we neared the end of the 19th century, agriculture still had not responded with any great progress.

The innovation that was widespread

in manufacturing had not found such acceptance in farming. The McCormicks, Deeres and Whitneys were exceptions who made great contributions, but most sectors of agriculture remained untouched by positive change. It would take an agricultural revolution on the same scale as the industrial revolution to bring about what was needed.

Today

Looking at the record of U.S. agriculture in this century, you can see that a revolution just as radical and just as astounding as the industrial revolution is taking place in our day. Anyone who has lived during the past seven decades has witnessed nearly all of the major developments of agriculture that have happened since the beginning of time. If that person lives out this century, he will see a parade of change that will outdo what he has already seen.

Today's Farmer

No one is more excited about today's possibilities in agriculture than today's farmer. The opportunities for success are numerous. Being prepared

PAGE EIGHT

to take advantage of them is the only criterion.

Today's farmer is aware of the importance of education in the face of the vast changes now going on. He is definitely better educated than his father. This necessary trend will not stop. By the end of this decade, one out of every two farmers will have attended college. In addition, most will have had technical training and will expect to continue their education throughout their careers.

Most of today's farmers head familyowned operations. According to one source, the average farmer is in his fifties. As we go through the decade, the average age should decline.

While the number of farms and farm workers has been decreasing in recent years, the number of acres in farming has not decreased significantly. Most of the losses in numbers of farms have been in the small acreage categories. The number of farms with incomes of \$10,000 or less is decreasing while those with incomes of \$40,000 or more are increasing.

Today's trend toward larger, more expensive, more complex farm operations means that farmers must be expert in directing intricate management situations. Decision-making has become so involved that today's farmer uses computer services to keep records of his production, expenses, etc. . . and to analyze this data for future moves.

Today's farmer is a businessman who has learned to play many roles in order to succeed at what he does. He is president, production manager, line foreman, etc. . . of a \$100,000-\$200.000 operation. It is no wonder that courses in business administration have become an important part of agricultural education.

Most important to the consumers of the U.S., the American farmer is able to provide them with food of such variety, quality and price that it is unrivaled anywhere in the world.

The Factors for Success

Mechanization

Many factors are involved in the success of American agriculture. Mechanization has been a major cause of the recent agriculture revolution. Some experts point to the time when man first substituted the power of other animals for his own as the first revolution. When machines replaced animals on a large scale, more dramatic results took place than ever before.

Today tractors and plows do in an afternoon what a team of mules did in weeks. Conveyors carry feed from storage bins to feed troughs at the press of a button. Self-propelled combines harvest an entire crop in a fraction of the time it once took a hundred men with horses and carts. All this means that more jobs are being done with less manpower.

In 1900 one farm worker in the U.S. supplied food and fiber for 6.9 persons including himself. Seven decades before, the number was 4; today it is 43.4.

Electrification

Mechanization was not alone in bringing this rapid increase in productivity. Rural electrification has helped mechanization greatly by providing a practical source of power. Many of our agricultural businesses could not exist today without it. Electricity provides a means of light, heat, and power that is adaptable to many situations. Many of the machines used in farming would not operate without electrical current to turn the motor.

In the future, electricity will find many more applications that will change the agricultural scene. Already it is being used to grow plants and animals indoors in controlled environment. In the future, it may be used to control the environment outdoors. If it works, the concept of growing seasons will be changed completely.

Research

Research, another major contributor to agriculture, is being conducted today in every area of the industry. The fears of a world population explosion have made many people realize how



"Self-propelled combines harvest an entire crop in a fraction of the time it once took a hundred men with horses and carts . . ."

"The role of research has become crucial in continuing the progress of agriculture in the U.S. and dealing with hunger in the world ..."



APRIL 1970

PAGE NINE

BLACK WATCH FARMS, INC.

Breeders of Registered Angus Cattle

COMMERCIAL BULLS FOR SALE

Two Locations-Over 2000 Cows

Chilhowie Division, Chilhowie, Va. Ivy Hill Division, Lynchburg, Va.

703/646-8113 703/239-0148

HALIFAX ROLLER MILLS

BUYERS OF CORN, OATS, BARLEY & WHEAT

For Best Results Use

PRIDE OF HALIFAX FLOUR, CORN MEAL & FEEDS

PAYNE BROS., Proprietors Phone 476-2080 HALIFAX, VA. 24558

ORANGE LIVE STOCK MARKET INCORPORATED

P. O. Box 226

Dial 672-4688

Orange, Va.

×

1:00 P.M.

"Every Hoof Under Roof"

Every Wednesday

SALE



important agriculture is in human survival on this earth. The role of research has become crucial in continuing the progress of agriculture in the U.S. and dealing with hunger in the world.

While productivity of American farms has stayed ahead of the nation's population growth, food and fiber production in most of the world is lagging far behind human reproduction. The revolution in agriculture is now looking to the work of research to offset this trend. Already research in the U.S. has helped to take the revolution to underdeveloped countries that desperately need it.

Research in genetics has made many significant contributions to agriculture. The development of more efficient animal management has come out of experimental stations and state agricultural colleges around the country. The techniques of breeding involving semen banks and computerized male-female matching have been recent additions to the growing list of research products. Another is the use of drugs to produce multiple births in livestock.

The development of high yielding wheat and corn has made what used to be record crops typical. Stoop labor used for harvesting truck crops has been replaced in many areas by the work of agricultural engineering and genetic research. High protein grain foods such as high lysine corn have resulted from years of research.

Research in the nutrition of animals has produced leaner but heavier beef cattle in less time on less feed per pound gained.

Poultry men can now produce meatier broilers in half the time and on half the feed that it once took. These results were a combination of genetic and nutritional research.

Studies in plant nutrition have produced remarkable results in our agricultural production. The proper use of fertilizers to increase the fertility of the soil came out of these studies. According to some experts, every dollar spent in chemical foods for the soil produces three dollars in farm income.

Research has not only developed various fertilizers and plant nutrients for different crops; it has also devised better ways of applying them that are time and money saving as well as more effective in producing plant growth. Today you can find fertilizers in pellet, powder or liquid form. In bag or bulk. Research has made the difference possible.

Insect control is another important part of today's agriculture. Research in this field has released many thousands of orchards and fields from the

VIRGINIA RECORD

bondage of destructive insects to a highly productive life. Increased income and production have been the rewards of this effort to combat the farmer's age-old enemy, the insect.

The use of chemical and radiation sterilization has eradicated certain insects from large production areas. Hormones that retard insect maturation have been successful in experiments. Traps baited with sex attractants are used to catch insects that are harmful to crops. The farmers of the Old World who still experience the locust are getting some relief through the work of such research in insect control.

Research in weed and grass control has reduced the number of man-hours spent in hoeing and back bending. It allows a farmer to plant corn, cultivate a couple times and let it go till harvest time. Weed and grass control has helped reclaim valuable pasture land that was once unusable.

New products have come on the scene at a rapid pace. One source states that 40 percent of the 6 thousand to 8 thousand items found in a typical supermarket were nonexistent twelve years ago. Research has made these new products possible. New products have meant new markets for agriculture.

Soil and Water Conservation

While mechanization, electrification and research have increased opportunities for agricultural growth, soil and water are needed to make things happen. Today's agricultural revolution relies heavily on soil and water conservation to continue.

Preservation of resources is a problem for everyone, but it has become an essential part of farm management in modern times. The open land available for production is decreasing rather than increasing. Fertilizers have multiplied the fertility of the land. However, any decreases made through erosion or water pollution are still detrimental to the future of agriculture and our survival.

Mass Communications

Agriculture like every other industry of our nation has been stimulated by the development of mass communications. Market information is received daily over radio and television by nearly every farmer in the U.S. Newspapers provide market forecasts as well as yesterday's prices. This information is provided by USDA's leased wire system consisting of some 19,000 miles to give state departments of agriculture across the country complete coverage of all national commodity markets. Improved communications between the researchers and the laymen have helped the progress of agriculture by cutting down the time between the development of a new technique and its acceptance in practice. In the past, several decades would go by before a concept was commonly used in spite of its proven effectiveness.

Communications has reduced the effect of distance between different production and marketing areas. Prices in Chicago markets are now similar to those in Richmond. Before mass media, producers were paid what local buyers thought was fair. Now, the local buyer must offer a price competitive with other markets.

Marketing

The success of today's agriculture can also be attributed to the tremendous changes in marketing during this century. The development of modern rail, surface and air transportation systems has made the world the American farmer's market place. Perishable fruits and vegetables are grown and marketed in places thousands of miles apart.

Since marketing today is on an international basis rather than completely on a local one, agricultural businesses that were once small have become giants. Increased demands for their products from new markets has made this possible.

Competition has increased in agricultural marketing. Specialization has been necessary in order to compete in today's marketing situation. This widespread specialization in production and marketing has made foods that were once seasonal delicacies yearround fare at much lower prices.

Marketing in agriculture is adopting the big business image of other industries in effort to keep up with rising demands. The idea of a farmer producing a commodity that has already been sold under contract is not uncommon today. The future will see such trends continues.

Farm Credit

The importance of farm credit in developing today's agriculture cannot be overlooked. With the trend toward larger, more expensive operations, it has become a necessary part of agricultural progress. Mechanization would never have happened if farmers had not had the capital to buy farm machinery. How could agriculture have responded to research developments with no money to build?

While farm credit was sufficient for the progress we have seen, experts see the need for more avenues for borrow-



OWNER: JOHN L. DeBUSK

SALTVILLE, VIRGINIA

HARRISONBURG MOTOR EXPRESS

MILK TRANSPORTERS

*

P. O. Box 249 Phone 434-4485 HARRISONBURG, VIRGINIA



WAMPLER FOODS, INC.

Poultry, Livestock and Dairy Feeds

HARRISONBURG, VIRGINIA

YODER DAIRIES

GR DE Dependable, Courteous Service for Over 38 Years PASTEURIZED AND GUERNSEY MILK DIAL 497-3518 5102 PRINCESS ANNE RD. VIRGINIA BEACH, VA.

Wetsel Seed Co., Inc.

Growers, Processors and Cleaners of All Farm Crops

ESTABLISHED 1911

HARRISONBURG, VA. Phone 434-6753

Specializing in Lawn Grass Mixing



PACKERS

Kelley's Wholesome Canned Vegetables

SHIPPERS

FARM PRODUCTS



ing if agricultural expansion is to continue. Already, financial and legislative leaders are taking notice of this situation.

Agricultural Organizations

The rise of agriculture in this century can be paralleled to the rise of the agricultural organizations that have become the spokesmen for the industry's producers, marketers and processors. Research which has helped produce many significant changes in agriculture has been sponsored and supported by these groups.

Collective bargaining and other marketing innovations have their origins in the programs of these groups. The support of needed farm legislature came from this unity of purpose and effort which agricultural organizations have provided.

In a time when agriculture's story needs to be told like it is, these organizations provide a platform for effective public relations.

State Government

The role of state government in agriculture's progress has been noteworthy. In our state, the Virginia Department of Agriculture and Commerce has, since its creation, been involved in serving the industry of agriculture through programs that range as wide as the needs of the industry.

In the division of markets, the department provides grading services for many commodities. Without a system of grading, producers and marketers could not be assured of fair bargaining. Through grade labeling of consumer packages in the retail store, the consumer is assured of quality products.

Market news information which is valuable to the agricultural industry in making business decisions of short or long importance is collected and distributed by the department's division of markets. In addition to price and supply information, farmers also receive help in marketing their commodities from the market development section.

The division of markets provides expert transportation information to



Of the 43.4 persons fed and clothed by the American farm worker, 5.5 of them are overseas. Exports therefore represent a significant part of the agricultural marketing. The markets division's international trade section assists in expanding these growing foreign markets. It also mediates the exchange of ideas and agricultural practices through trade shows and trade missions throughout the world.

The technical services division operates a group of law enforcement laboratories to support the various quality control and public service laws administered by the department. A broad range of analytical services and technical information is provided to the appropriate regulatory units of the department.

Protecting the economic interest of the agricultural inclustry against the uncontrolled spread of plant pests is an objective of the department's regulatory division through survey, regulatory, and control programs.

Producers sell their commodities usually by measure or by weight and purchases production inputs such as fertilizer by weight or volume. The regulatory division's weights and measures section checks all commercial weighing and measuring devices for accuracy and checkweighs agricultural prepackaged inputs such as fertilizer and seed on a random basis.

What about the guaranteed analysis or grade on the fertilizer bag? The division's inspectors take random samples of fertilizer products for testing to determine if guarantees are met and labeling is in compliance with law. The samples are tested in the technical services' fertilizer laboratory.

Motor fuels are registered with the department to establish the minimum



At last a light-weight saw for pruning fruit trees. No longer necessary to work with a heavy, poorly balanced saw. Our saw is tough and sturdy, made of finest materials, and makes

rapid, clean cuts. Excellent for trimming pine trees and heavy shrubbery. Your wife will want one, too. 16'' replaceable blades only 60ϕ each. Just attach name, address and check to this ad and send to:

WHEELER SAW COMPANY

Belchertown, Mass. 01007

VIRGINIA RECORD

octane of any particular brand and grade of gasoline or cetane in the case of diesel fuels. Fuels are sampled by regulatory inspectors and tested by the technical services' motor fuels laboratory for octane or cetane ratings as well as other quality factors. Farmused motor fuels are a part of the overall regulatory program on fuels and are randomly sampled and tested.

Feed and animal remedies sold in Virginia must be safe for animal consumption and must be adequately labeled as to their intended uses. Regulatory inspectors take samples of feed and animal remedies on sale in Virginia for a variety of tests in one of the several technical services' laboratories. Tests include quality factors such as protein, fat or fiber, drug and antibiotic tests for correct levels, microscopic tests for ingredients declared and to determine the absence of prohibited materials, and pesticide residue tests. Labeling is reviewed through a registration procedure for correctness and adequacy.

The seed that a grower uses is important to his success. The samples taken by the regulatory inspectors are tested by the technical services' seed laboratory to make sure the label on the seed bag is correct as to kind and variety, purity, percentage germination, weed seed content, foreign material and other quality factors. The regulatory inspectors also inspect pesticides. Labels are reviewed for approved uses and to assure proper and adequate directions for use. Samples are tested for comparing quantities of active ingredients against label guarantees.

Products used in or around the household or farmstead which constitute a hazard because of their composition or packaging are subject to inspection under the Hazardous Household Substances Labeling Law. Such products are monitored by the division of regulatory services.

In the division of administration, the producer and others interested in agriculture are provided information from the state-federal crop reporting service. The information office of the division provides general information in the form of brochures, price newsletters, a monthly agricultural bulletin, radio tapes and television programs.

The division of animal health and daries works with cattle, swine and poultry disease eradication to provide a healthy atmosphere for livestock and poultry production in Virginia. Just recently, the state was certified brucellosis-free.

Hog cholera, sheep scabies and poultry respiratory disease all are continually being fought by the veterinarians and associated personnel of this division. Seven regional laboratories are located strategically in various parts of the state to provide for these programs.

Dairy farm and plant inspection and meat inspection are other services of the animal health and dairies division. While these programs are safeguards to consumer health, they also help the producer or processor in producing a wholesome, salable product.

Tomorrow

The progress of the past will continue into the future. The industry of agriculture is now only in the beginning phase of its most recent revolution the adoption of skilled management techniques to capitalize on today's technology. While opportunities for growth have multiplied, the demands of foreign and domestic markets will place a heavy burden on agriculture's ability to produce.

Already, we see the signs of urban as well as rural America becoming aware of the needs to preserve open spaces for agriculture and parks and recreation. In recent months, others have joined the farmer's struggle for an environment that will allow life to continue.

The future of agriculture as a contributing life force is both promising and demanding. It promises a success never realized before; it demands a close understanding of its relationship to those it serves.

"The future of agriculture as a contributing life force is both promising and demanding. It promises a success never realized before; it demands a close understanding of its relationship to those it serves."



to tell the Virginia Story

PAGE THIRTEEN

Logos Developed To Identify Some Commissions



VIRGINIA SWEET POTATO COMMISSION

VIRGINIA STATE Apple Commission



Pennies For Progress



Virginia Agricultural Foundation

GINNY HEN OF THE VIRGINIA POULTRY PRODUCTS COMMISSION



IN AG SELF-H HORIZO

IN THE LAST quarter century the Virginia farmer has found self-help programs another means of meeting the fast changing challenges in an industry that grows in importance as the needs for food and fiber continue to increase.

Modern farm technology has developed greater production on less land and in the case of the dairy industry with less animals. The greater production does create some marketing problems and some marketing problems create a need for greater production.

The self-help program is one of many tools developed to meet the diversified problems that face the farmer-businessman of today. In its simplest terms a self-help program could be said to be a commodity group taxing itself to raise funds for promotional, service, marketing or research purposes.

Commissions created under self-help programs include: Apple, Poultry Products, Peanut, Pork, Sweet Potato, Bright Flue-Cured Tobacco and Dark Fired Tobacco.

The number of members on individual commissions ranges from 7 to 12. In most cases they are appointed by the Governor. The Peanut Commission is appointed by the Commissioner of Agriculture and the Virginia Apple Commission is elected by districts. Because all of these groups are agriculture in nature they are included in the sphere of the Virginia Department of Agriculture and Commerce where a number of services are available to support the Commissions' efforts through activities that complement their work.

Special assistance is furnished by VDAC's fiscal and information program, and many operations within the department's Division of Markets are geared to commission programs. These services offer a means of coordination to avoid duplication of effort and to help maintain appropriate relationships for more efficient attainment of mutual objectives.

Even with these individual efforts by commodity groups to look into their own problems and needs it was felt that there should be some organization

PAGE FOURTEEN

-

VIRGINIA RECORD

Founded 1878

CULTURE - -P CREATES NEW

By RAY SCHREINER, Director of Information

that could help all of agriculture with financial assistance and support for agricultural research, education and services.

In 1966 the General Assembly created the Virginia Agricultural Foundation also known as Pennies for Progress. The foundation is composed of 15 members appointed by the Governor each representing a different segment of the Industry of Agriculture and yet together looking for solutions to mutual as well as individual problems.

The foundation accepts requests from any organized group within Virginia's Industry of Agriculture. This includes agriculture suppliers, farmers and marketers. The foundation members then meet to discuss the request with those representing the group and other interested persons.

When considering a project the foundation uses five basic considerations:

a. The importance of the project to Virginia's agricultural economy.

b. The recognition by the public and/or the foundation of the project's importance.

c. The availability of other funds from industry, commodity groups, gov-

Research plays an important part in the work of the self-help programs. Working with the Pork Products Commission, R. S. Ellis, IV of Buckingham and Dr. Charles Cooper of Virginia Polytechnic Institute measure back fat with a Sonarray.



to tell the Virginia Story

Virginia Department of Agriculture and Commerce

ernmental agencies or private individuals for support of the project.

d. The availability of personnel and facilities to conduct the project, if foundation support is received.

e. The ability of the group organization or agency to execute the proposal.

Commissioner Maurice B. Rowe in reviewing the work of the foundation said recently, "If the goals reached by the foundation in the three years since its creation are any indication of accomplishments to come, I believe the purpose of the foundation is certainly being achieved by getting a number of research and service programs underway. This is essential for Virginia to maintain a competitive agricultural position."

The General Assembly specified in the Act creating the foundation that it was in the public interest that assessments be levied upon certain agricultural supplies used by farmers. Money used by the foundation is derived from a one-half cent per gallon of the state gasoline tax refund made on motor fuel used for agricultural purposes, plus a five cents per ton levy on feed and fertilizer sold. The foundation is also authorized to accept gifts and grants. It is estimated that almost $\frac{1}{2}$ million dollars has so far been made available for the programs approved by the foundation.

The eighteen projects approved so far differ as the needs of agriculture differ and are geared to meet what may appear to be a simple problem or one that seems very complex. Yet all are problems for which the Industry of Agriculture needs the answer.

The first commodity commission was created in 1946 when the Virginia State Apple Commission was created by the General Assembly. For the first time as a group apple producers in the state began to plan and conduct their own campaigns of education, advertising, publicity, sales promotions and research for the purpose of increasing the demand for and the consumption of Virginia apples.

In the total effort as a group apple



Mrs. Ann Marshall, Virginia Department of Agriculture and Commerce food specialist, travels the state in behalf of Virginia's many commodity commissions to introduce new ways of preparing Virginia grown commodities.

producers are able to do many things that an individual orchardist would not have the time or money to do. An an example in recent years a representative group was able to conduct an apples sales tour to Latin America to seek out new markets and make the news of its findings avilable to all in the industry.

In 1948 two other programs were begun with the creation of the Peanut (Continued on page 40)

Mrs. Virginia Duesberry was recently appointed Consumer Representative for the Virginia Department of Agriculture and Commerce. She will plan and implement promotional programs for Virginia agricultural products working with the self-help program Commissions.



PAGE FIFTEEN

LEONARD SMITH R. K. PRICE F. R. Bennett SHEET METAL & ROOFING. **BENNETT FARM DAIRY** INC. Distributor of Roofing & Sheet Metal Contractors Scaltest DAIRY PRODUCTS RESIDENTIAL Commercial — Industrial Grade A Pasteurized Homogenized Vitamin D Milk Chocolate and Buttermilk Phone 389-8614 1020 College Ave. SALEM, VIRGINIA 24153 GRETNA, VA. **DIAL 3280** PROGRESSIVE Taylor Bros. Inc. **PRODUCTS** CORP. **MILLWORK LUMBER** MECHANICAL **BUILDING MATERIALS** CONTRACTORS **ROOF TRUSSES** 3764 Aerial Way Drive, S. W. 1501 Rutherford Street LYNCHBURG, VIRGINIA ROANOKE, VA. 24015 Phone 344-6244 S. & H. METAL SHOP JOHN D. CLAYBORNE **General Contractor** Air Conditioning – Heating Ventilating Residential — Commercial #7649 Dial 793-1554 2001 Westover Drive 1225 North Utah St. Phone 524-5564 DANVILLE VIRGINIA ARLINGTON, VIRGINIA FINE ARCHITECTURAL WOODWORK TO THE Froehling & Robertson, Inc. MOST EXACTING SPECIFICATIONS **Inspection Engineers & Chemists** Shipped anywhere in the East **SINCE 1881** MEMBER ARCHITECTURAL WOODWORK INSTITUTE COMPLETE TESTING & INSPECTION FACILITIES Serving ESTABLISHED 1898 Architects — Engineers — Contractors WEAVER BROTHERS, MAIN OFFICE & LABORATORIES INC. 814 West Cary Street Richmond, Va. Terminal Ave. 24th to 27th Sts. BRANCH LABORATORIES Raleigh, N. C. Norfolk, Va. Newport News, Virginia 23607 Baltimore, Md. Roanoke, Va. PHONE 703-244-8411 Charlotte, N. C. Fayetteville, N. C. Greenville, S. C. Washington, D. C.

PAGE SIXTEEN

VIRGINIA RECORD

Founded 1878



NATURAL RESOURCES IN VIRGINIA'S FUTURE

By S. MASON CARBAUGH, Director Virginia Soil & Water Conservation Commission

ONCE, when there were fewer of us, ample supplies of natural resources were adequate for all our purposes. It is no longer true—a fact that too often, in too many places, we fail to recognize. We drain irreplaceable marshlands essential to waterfowl, try to cultivate lands unsuitable for the plow, build factories in floodplains, and cover rare grain and vegetable croplands with housing and highways.

Waste, present and prospective, is apalling. Our dissipative course falls far short of responsible stewardship in managing our natural resources.

Over the years we have had an abundance of resources in our state land, water, timber, and minerals—resources which have brought us much growth. All kinds of people, all kinds of land, all kinds of resources—this is the story of Virginia which has successfully found strength within herself. But this very growth has brought us problems of many kinds. Every segment of our society is becoming affected by air pollution. Our health, recreation, and the enjoyment of life is being threatened by water pollution from cities, towns, industries, and agriculture. Millions of tons of topsoil, washed from the land by erosion further pollutes our streams. Resource waste and damage in our state has become a serious public concern.

Aware of the urgent need to reverse this trend, the state legislature in 1938 passed laws making possible the organization of conservation districts within the state. The first district, organized in 1938 by the Soil and Water Conservation Commission marked the beginning of the Commission's statewide network of 34 Soil and Water Conservation Districts. Each of these districts develop a plan of action called a Long-Range Program. The plan sets forth the facts about resources- erosion, soil types, land use, land capabilities, water supplies, fish and game conditions, forest damage, and sedimentation. And more importantly, it outlines what the district believes must be done to correct problems and develop resources for wider and better use.

As the focal point for all soil and water conservation programs on privately owned lands, the Districts have cooperators agreements with some 47,-000 individual landowners. Eighty-five percent of all land in Virginia is privately owned. The Districts also have working agreements with the Virginia Department of Agriculture and Commerce, the Agricultural Stabilization and Conservation Service, the Virginia Division of Forestry, the Department of Highways, the Commission of Game and Inland Fisheries, the Cooperative Extension Service, the Soil Conservation Service and a number of other state and federal agencies.

This cooperative process helps Districts provide for the control and prevention of soil erosion, the prevention of floodwater and sediment damages, and for furthering agricultural phases of the conservation, development, utilization, and disposal of water. It helps Districts preserve natural resources, control floods, prevent impairment of dams and reservoirs, assist in maintaining the navigability of rivers and harbors, preserve wildlife, protect the tax base, protect public lands, and protect and promote the health, safety, and general welfare of the people.

Land treatment measures alone cannot provide for the development utilization, and disposal of water. This is accomplished by drainage projects, channel improvements, and floodwater retarding structures under the small watershed program. Districts are sponsors and in many instances co-sponsors with other political subdivisions of the



Aerial view of East Falling River Watershed, Robert E. Lee Soil Conservation District, Appomattox County.

state on Public Law 566 and Public Law 534 small watershed flood prevention and control projects. Such projects often include provision for multiple-use municipal, industrial, recreation, and other uses. It is the responsibility of the sponsors to acquire the land rights and easements needed for these projects.

Each district is a political subdivision

of the state and is governed by five Supervisors, three of whom are elected in the General Election and two are appointed by the Commission. They serve without compensation and many have been at the job most of their adult working life. Responsive to the needs and wishes of their communities, Supervisors represent an increasingly strong voice for local self-government. They make a study of local resource needs and problems. In the process, they get the advice and assistance of government agencies and private citizens in analyzing agricultural, economic, and other trends. Supervisors stress voluntary action and cooperation in achieving the District's objectives. They are local citizens; landowners, and mostly farmers, who know local problems; and, they are capable, knowledgeable, and dedicated officers.

The drive to improve the quality of living everywhere, the sharpening need to involve more people from all walks of life in resource affairs, and the growing appetites of Virginia people for the uses as well as the products of the land are all joining to push the consideration of resource management into new dimensions. It requires that each citizen recognize that not only our material standard of living but also our free and democratic society depend largely on the abundance and continuing fruitfulness of our resources.

Organization, purpose, and wisdom are needed to face up to the complexity and competition in resource use—organization to provide the structure for getting the job accomplished, purpose to assure that the needs and desires of our people are met, and wisdom to make sure that choices are made on a sound basis.



COMMERCIAL – INDUSTRIAL

P. O. Box 347

933 N. Kenmore, Suite 320

Arlington, Va. 22210



VIRGINIA A.G.C. REVIEW

OFFICIAL SECTION VIRGINIA BRANCH A.G.C.



FEATURING NEWS FROM VIRGINIA BRANCH A. G. C.

VIRGINIA BRANCH A. G. C. CONVENTION '70

by NICKIE ARNOLD

ALSO PRESENTING PROJECTS OF NOTE

CENTURY CONSTRUCTION CO., INC. Palmore Lodge

S. LEWIS LIONBERGER COMPANY Moody Hall, V.M.I.

ROBERT R. MARQUIS, INC. Hampton Chevrolet R. E. LEE AND SON, INC. Woodberry Forest School

MONTGOMERY CONSTRUCTION CO., INC. Royal Crown Bottling Co.

Q. M. TOMLINSON, INC. Macke Properties, Inc.

R. G. MARTZ CONSTRUCTION CORP. UVB/State Planters, Petersburg

VIRGINIA RECORD

VIRGINIA BRANCH A. G. C. CONVENTION '70

Held At

THE HOMESTEAD

HOT SPRINGS

By NICKIE ARNOLD

THIS IS THE Fiftieth Year for the Associated General Contractors of America and they have had a dynamic President by the name of Carl M. Halvorson of Portland, Oregon to guide their way. However, the Virginia Branch, A. G. C., does not have to take a back seat since they can boast of the fine year of service given by Samuel H. Shrum, President of Nielsen Construction in Harrisonburg. Much has been accomplished in this year ending with the 1970 Convention at The Homestead, Hot Springs, February 15th through the 18th.

All indications point to this having been an exceptional meeting. The Virginia Branch was delighted to be host to Mr. and Mrs. Carl Halvorson and William E. Dunn, Executive Director of the National Associated General Contractors among the nearly 300 members and guests.

Sunday, February 15th, began with an afternoon Board of Directors meeting from 1:30 to 4:00 P.M. After a most successful meeting the Associate Members hosted a reception from 6:00 to 7:00 P.M. Sunday ended on a most pleasant note with the Tide Family entertaining during the Get-Acquainted Party. This is a time to renew old friendships and make new ones. It is truly difficult to decide which gave more pleasure—the excellent musical ability of this group called the Tide Family or their entertaining and amusing show. Ebb Tide led the group onto the stage followed by Rip Tide, Tongue Tide and Pa Tide. When the evening ended, there was little doubt why this group was brought back from last year by popular request.

Monday began its full day with the Associate Division Breakfast and Business Meeting. Rev. Ernest K. Emurian was the kick-off speaker. His talk was filled with wit which often times disguised the sound logic which was present. A Methodist minister, Rev. Emurian is also an author, musician, magician and lecturer. He thoughtfully brought a copy of two of his latest hymns for each person in attendance. The focal point of his talk was a hammer. Pointing to the hammerhead, Rev. Emurian said, "We must make our point and drive it home." He also added that the claw was put there to show that none of us are perfect.

From 9:30 to 10:30 A.M. there was a General Business Session followed by the first Business Program with Dr. Donaldto tell the Virginia StoryAPRIL 1970PAGE TWENTY-ONE

THE BANK OF SOUTHSIDE VIRGINIA

L. S. TEMPLE, President

Serving Southside Virginia from Four Convenient Locations

> PRINCE GEORGE STONY CREEK CARSON JARRATT

Member Federal Deposit Insurance Corporation

J. H. COTHRAN CO., INC.



PLUMBING, HEATING & VENTILATING CONTRACTORS



P. O. Drawer 591 Phone 369-4776 ALTAVISTA, VIRGINIA 24517 HARRY A. WRIGHT'S

Steel Fabricators & Erectors

Commercial — Residential — Industrial ELECTRIC & ACETYLENE WELDING

1320 E. Market

Phone 295-9191

CHARLOTTESVILLE, VA.

C & T MECHANICAL CORPORATION

Mechanical Contractors

St. Reg. #6377

Commercial

Industrial

611 Wickham Street

Phone 359-4487

RICHMOND, VIRGINIA 23222

S. LEWIS LIONBERGER CO.

- General Contractor -

Commercial and Industrial



STEEL BUILDINGS

P. O. Box 1091 2714 Roanoke Ave., S.W.



Telephone 342-8984 ROANOKE, VA. 24005

PAGE TWENTY-TWO

VIRGINIA RECORD

Founded 1878

G. Lux and Carl M. Halvorson as the speakers. Dr. Donald G. Lux is a professor in Ohio State University's School of Education and he explained the Industrial Arts Curriculum Project at the University and how it relates to the world of constrution. According to Dr. Lux, traditional industrial arts courses emphasize drawing, woodworking, metalworking and a few other skills, but do not represent the whole scope of contemporary industry. He feels that technology has advanced tremendously during the last three decades and no longer can society afford to permit a student to think of industry as being represented solely by drawing, woodworking, metalworking, and other craft-oriented traditional areas. Dr. Lux feels that what is needed is an instructional program that provides experiences and knowledge about the man-made world much like science does the natural world. He explained how a group of educators from The Ohio State University and the University of Illinois in cooperation with the Cincinnati, Ohio Public Schools established IACP -the Industrial Arts Curriculum Project which is a two-year sequence in industrial technology as prepared for junior high school students. Both courses develop the general theme: "how to work efficiently with men, materials, tools, and techniques." The IACP program is unlike the typical "shop" course, in which the individual student constructs wood, metal, or electrical projects. It is designed to reinforce student understanding of broad concepts and principles of technology.

Carl M. Halvorson, National President of the Associated General Contractors of America conducted the second portion of the program and discussed the apprentice program as operated by the unions and how they should be changed. Mr. Halvorson also stated that he believed that every child should graduate from high school with the rudiments of a trade. He further expressed his deep concern over the stigma attached, today, to those who work with their hands. He emphasized that we must overcome this if we are to attract young men into the construction industry. Mr. Halvorson went on to state that we must make students realize the advantages as well as the potential of the construction industry.

While the men finished their Business Program the ladies were delighted by Robert Jay Misch, wine expert extraordinary, who is a well-known authority on wine and lecturer for the Bordeaux Wine Information Bureau. Mr. Misch is a *Chevalier du Tastein*,

VIRGINIA BRANCH A. G. C. OFFICERS-1970



J. A. (BUDDY) KESSLER, JR., President R. E. Lee & Son, Inc. Charlottesville, Va.



N. DAVID KJELLSTROM, 1st Vice President Kjellstrom & Lee, Inc. Richmond, Va.



AUBREY S. BASS, JR. 2nd Vice President Bass Construction Co., Inc. Richmond, Va.

JOSEPH W. CREECH, Secretary-Treasurer J. W. Creech, Inc. Norfolk, Va.

holds the French decoration, the Medialle Agricole des Vins de France, and was recently inducted into Jurade of Barsac/Sauternes as a Commander. After explaining the types of wines and where they originated, he invited the ladies to taste three of the famous Bordeaux wines.

The Ladies Luncheon followed featuring for their enjoyment, Dr. Cleo Dawson, lecturer, psychologist and author with her witty presentation "Let's Live and Like It." Dr. Dawson is a noted psychologist and does much of her research work at Menningers Clinic in Kansas. A Texan by birth, Dr. Dawson has traveled to many parts of the world. She holds degrees from five universities and is the author of the best seller "She Came To The Valley." A combination of wit, warmth and charm, it is evident why she has enthralled audiences of all sizes and types, and also why Merv Griffin has often referred to her as his psychological "Pipe Cleaner."

PAGE TWENTY-THREE

APRIL 1970

Robert Jay Misch, a man of boundless energy (particularly when speaking on his favorite subject, wine) also introduced the men to the pleasures of wine at their luncheon which was served in the tradition of a French Renaissance lunch. Everyone had to agree that they were laboring under many false impressions about wine and that Mr. Misch took away the false and presented the truth in a most appealing manner.

After a short Committee Meeting in the afternoon, the members and their wives were free to enjoy the pleasures of The Homestead.

Tuesday began with Bloody Marvs (for medicinal purposes, of course) from 8:00 to 8:30 A.M. which were provided by the McIlhany Equipment Company, Inc., of Lynchburg, Newport News, Richmond and Roanoke. Awakened by their Bloody Marys the men were ready for Business Program II, with Dr. John C. Lang as the speaker. Dr. Lang teaches at The George Washington University in the area of Human Relations and Communications and has conducted numerous sessions in Personnel Managesponsorship of ment under the the Distributive Education Program throughout Virginia. Dr. Lang was a most effective speaker for everyone wanted to hear his approach to effec-

tive communications in management. After Dr. Lang's presentation of films and talk everyone felt that he was given another key to successful operation of his individual business.

The men were not the only ones to receive words of wisdom from someone knowledgeable. The ladies were treated to coffee and Danish topped off by the "mod, mod world of Carl Halvorson." Mr. Halvorson spoke of the progress which has been made in the industry and the rapidity with which it has been done in the last decade. Should this sound dull-one can only say that you should hear it presented as only Carl Halvorson can do it. This is the first time a National President of the A. G. C. has ever taken his valuable time to address the ladies of the Virginia Branch and he so completely won them over that the coffee lasted most of the morning as it went into a question and answer period after his talk.

The luncheon for both ladies and men was held in the lovely Commonwealth Room. Irv Wermont was the speaker for this occasion and he thrilled the audience as he has done audiences all over the country with his theory that people would live longer and have richer lives if they would change their worries for laughs. His delightfully witty stories brought smiles, chuckles and hearty laughter to everyone in the audience. Even when his subject is a serious one, it is highlighted by the humorous approach. Mr. Wermont is a nationally known humorist, author, and educator, and will amaze and delight you by coming to your table and introducing himself and then later in his talk, introduce everyone in the audience by name and a number which he has given them. He will even distribute a magazine and then tell you, from the page number, exactly what appears on that page. Needless to say, everyone left this luncheon with a smile on his face and a promise in his heart that he could do better.

Then, it was back to business again with Business Program III. The speakers were William E. Dunn, Executive Director of the National A. G. C. and William G. Bryson. Bill Dunn joined the National staff in 1947 with a background in law and economics. His discussion concerned what the National A. G. C. is doing for you and what it plans to do for you in the future. An up to the minute report on the national legislation on safety and how it affects the construction industry was given by Mr. Bryson, Safety Director of Tidewater Construction Corp., Norfolk. A General Business (Continued on page 43)

TOP Row:

Newly Elected Officers and Directors: J. A. Kessler, Jr., President (R. E. Lee & Son, Inc.—Charlottesville); N. David Kjellstrom, Ist Vice-Pres. (Kjellstrom & Lee, Inc.— Richmond); Aubrey S. Bass, Jr., 2nd Vice-Pres. (Bass Construction Co., Inc.—Richmond); Joseph W. Creech, Secretary-Treasurer (J. W. Creech, Inc.—Norfolk); J. R. Dobyns, New Director (Dobyns, Incorporated—Dublin); R. Gene Montgomery, Reelected Director (Montgomery Construction Co.—Lynchburg); John R. Houck, Associate Division Chairman (John R, Houck Co. —Richmond); Alexander Alexander, Reelected Director (Alexander Building Construction—Richmond).

Executive Director with the Old and the New: J. A. Kessler, Jr., Virginia Branch A.G.C. President (R. E. Lee & Son, Inc.— Charlottesville); S. H. Shrum, Past President, Virginia Branch A.G.C. (Nielsen Constuction Co., Inc.—Harrisonburg); J. F. Duckhardt, Executive Director, Virginia Branch A.G.C.

Past Directors Presented Certificates: Rex L. Smith, Associate Director (Montague-Betts Co., Inc.—Richmond); Joseph L. Rosenbaum, Associate Director (Roanoke Engineering Sales Co.—Richmond); G. R. (Bay) Martin, Regular Director (Martin Bros. Contractors, Inc.—Roanoke); Philip

CONVENTION 1970

Convention Photos on facing page (left to right, from top):

R. Brooks, Associate Director (Lone Star Cement Corp.—Richmond); Norman O. Milligan, Associate Director (John H. Hampshire, Inc.—Richmond); D. W. Reed, Jr., Associate Director (John W. Hancock, Jr., Inc.—Salem).

SECOND ROW:

Safety Award Winners: W. G. Bryson, Safety Director (Tidewater Construction Co.—Norfolk); M. R. Welch (Welch Contracting Corp.—Virginia Beach), H. G. Lee (Kjellstrom & Lee, Inc.—Richmond) presented the awards on behalf of the Virginia Branch A.G.C.

Safety Awards Winners: Eugene B. West, Jr. (The Berry Corp.—Richmond); R. Gene Montgomery (Montgomery Construction Co., Inc.—Lynchburg).

THIRD ROW:

President Shrum congratulates Sam Lionberger of Roanoke on leading the Virginia Branch in obtaining new members.

Dr. John C. Lang speaks on "Effective Communication in Management."

Irv Wermont wowed them with his memory exhibition.

Welcome to Virginia Dr. Lux: Mrs. and Dr. Donald Lux (Speaker); Mr. and Mrs. R. E. Lee.

FOURTH ROW:

The Tillers hard at work: Irene and Hoye Tiller handle the always busy Registration Desk.

National A.G.C. President Carl M. Halvorson charms the ladies.

The Tide Family picks and sings.

BOTTOM ROW:

Men enjoy the "French Renaissance Luncheon": P. R. Brooks (Lone Star Cement Corp.—Richmond); B. F. Parrott, Sr. (B. F. Parrott & Co., Inc.—Roanoke); R. L. Smith (Montague-Betts Co., Inc.—Richmond).

Board hard at work: A. E. Thomas (Eugene Thomas Construction Co., Inc.—Alexandria); R. G. Montgomery (Montgomery Construction Co., Inc.—Lynchburg); Alexander Alexander (Alexander Building Construction, Inc.—Richmond); R. E. Lee (R. E. Lee & Son, Inc.—Charlottesville); J. B. Frith (Frith Construction Co., Inc.—Martinsville).

Associate Division Breakfast: Mr. & Mrs. Norman O. Milligan; Rev. & Mrs. Ernest Emurian (Speaker).









CONVENTION 1970























to tell the Virginia Story

APRIL 1970

PAGE TWENTY-FIVE

HOWARD E. MARQUART & CO.

REPRESENTING FORMICA CORPORATION FIAT PRODUCTS DEPARTMENT

METAL TOILET PARTITIONS

Phone 622-6914

NORFOLK, VA. 23510

304 E. Plume St.

HORNE BROTHERS, INC.

25th St. & Harbor Rd. P.O. Box 21 **NEWPORT NEWS, VIRGINIA 23607**

> WELDING BRAZING IRON WORK STORAGE TANK REPAIRING AND REBUILDING

Shop Work • Boiler Work • Complete Repairing

WELDING AND MACHINE WORK BY EXPERTS

Call Us Day or Night 247-6313 Norfolk - Phone 486-1010



PAGE TWENTY-SIX



NEW FROM CENTURY CONSTRUCTION COMPANY, INC.



(Photos by James M. McElroy)

PALMORE LODGE

FOR

FIRST BAPTIST CHURCH – RICHMOND

GLAVE, NEWMAN & ANDERSON Architects

■ A number of years ago First Baptist Church of Richmond was given 22 acres of land in Hanover County for development into conference grounds. Through the years, improvements were made starting with an open picnic shelter. An all-weather facility was desired and was part of the master plan. First Baptist hired Z. Greene Hollowell, Jr., Consulting Engineer to be responsible for developing the plans for the lodge.

The lodge was designed around the large conference-dining room. This room is centered on a large fireplace with expanses of glass that provide beautiful views of the surrounding woods in the rear and the playing fields in the front. Kitchen and serving facilities are provided on one side and baths are on the other.

The lodge is faced with a beige splitrock with a grooved plywood band at the roof line. The roof in the center was pitched to allow a sloped ceiling with light coming in through the gable ends. The aim was to provide an overall feeling of letting nature in.

Electric heating and cooling units are supplemented at the glass areas with electric baseboard.

The lodge has been highly utilized since completion.

to tell the Virginia Story

Z. GREENE HOLLOWELL, JR. Consulting Engineer

Subcontractors and Suppliers (All Richmond firms)

(All Richmond hims) Century Construction Co., Inc., general contractor & carpentry; Southern Brick Contractors, Inc., masonry; Cruickshanks Iron Works Co., steel; R. Willison Roofing Co., roofing; Binswanger Glass Co., glazing; J. C. Hungerford, Inc., painting; E. S. Chappell & Son, Inc., weatherstripping; W. K. Hawkins Engineering Co., insulation; F. Richard Wilton, Jr., Inc., plaster; Richmond Tile Co., ceramic tile; Fendley Floor & Ceiling Co., Richmond, resilient tile; Ruffin & Payne, Inc., millwork; Ace Electric Co., lighting fixtures & electrical work; H. C. Gundlach Co., plumbing fixtures, plumbing, air conditioning, heating & ventilating; Guy Smith Hardware, Inc., hardware supplier.



APRIL 1970

PAGE TWENTY-SEVEN

S. Lewis Lionberger Company presents . . .

WILLIAM L. MOODY JR., '86 HALL



LEE, KING AND POOLE Architects

ROACH, MERCER AND FAISON Mechanical & Electrical Consulting Engineers

MITCHELL ASSOCIATES Interior Decorator

• On October 18, 1969 Virginia Military Institute officially dedicated its new Alumni Headquarters, William L. Moody, Jr. Alumni Hall. This beautiful building was donated to VMI by Mrs. Mary Moody Northen in honor of her father.

The gothic structure designed by Lee, King and Poole, Architects of Richmond, features an exterior of Indiana Limestone. It encompasses approximately 22,000 square feet of floor space on three floors.

The interior finish on the main and second floors features gothic oak columns and exposed ceiling beams. The floors are carpet and terrazzo highlighted by a mosaic wood floor in the lobby and Moody Lounge, which is similar to that used in the White House. The walls are finished in a hand-printed wallpaper of period design.

The basement area is used for the Alumni Offices and for dormitory-type sleeping facilities.

The main floor contains the reception area, the main activities room and the Moody Lounge. The second floor has seven hotel-type rooms for accommodation of overnight guests. It also has a beautifully furnished Board Room and large lounge for social gatherings.

There are porches on both the main and second floors from which the famous VMI Drill Ceremonies and Parades can be viewed. FOR VIRGINIA MILITARY INSTITUTE

Construction of the million dollar plus building began in spring of 1968.

Subcontractors and suppliers were as follows: From Roanoke were: S. Lewis Lionberger Co., general contractor, foundations, concrete & carpentry; Draper Construction Company, excavating; Pittsburgh Plate Glass Co., glazing; W. E. Robertson Co., painting & plastic wall finish; Skyline Paint & Hardware, Inc., weatherstripping; John H. Hampshire, Inc., insulation & plaster; Commercial Construction Service, Inc., acoustical; Charles J. Krebs Co., resilient tile; Fabricated Metals Industries, Inc., handrails; G. J. Hopkins, Inc., electrical work; Progressive Products Corp., plumbing, air conditioning (Carrier Corp.), heating & ventilating.



Others were: Masonry Contractors, Inc., Salem, masonry; Montague-Betts Co., Inc., Lynchburg, steel & steel roof deck; Leonard Smith Sheet Metal & Roofing, Inc., Salem, roofing & waterproofing; Woolery Stone Co., Bloomington, Ind., stone work materials; Hope's Windows, Inc., Baltimore, Md., windows; Miller Mfg. Co., Inc., Richmond, paneling & millwork; Standard Tile Co., Inc., Verona, ceramic tile & terrazzo; Costen Lumber Co., Richmond, wood flooring; Avrett Metal Products, Charlotte, N. C., steel doors & bucks; Pleasants Hardware, Richmond, hardware.

Wood floors by Wood Mosaics, Inc., lighting fixtures by Lightolier, Progress and others, and plumbing fixtures by Crane.







PHOTOS AT RIGHT:

TOP:

The main lobby of the alumni-faculty facility, showing the oak parquet floor and paneling with the junior beam ceiling.

CENTER:

The conference room on the second floor of the new alumni-faculty facility. The room overlooks the VMI parade ground. Overhead, adjustable lights and wall-to-wall carpeting feature the room along with the beige brushed velvet chairs.

Воттом:

The Memorial Library featuring paneling and molded plaster ceiling. The portrait is that of Mrs. Mary Moody Northen of Galveston, Tex., whose gift made possible the \$1.2 million facility. It is named in honor of her father, a member of the VMI class of 1886.



Robert R. Marquis, Inc.

Presents . . .

FORREST COILE & ASSOCIATES Architects

MATTHEW J. THOMPSON Mechanical Engineer

> E. H. BOWMAN, JR. Electrical Engineer

■ Hampton Realty Corp. has constructed the most complete modern automobile facility in Tidewater for "Hampton Chevrolet." In September, the firm relocated into their new facilities on Mercury Blvd.

This fine old dealership relocated into a new car building which encumbered over 49,000 sq. ft. of display customer service, parts department, general office and body shop areas.

This dealership has most modern sales and service departments with areas for 32 auto and truck mechanics. The customer can leave his auto at the control center and go directly to a comfortable customer lounge to watch color TV and refresh himself.

The control center is in direct contact with each mechanic by an auto communication system, which expedites ordering of needed parts and labors. Thus, all things lead to the end product of quickly taking care of the customers' problems.

Hampton Chevrolet has allowed over 10,000 sq. ft.—20% of their total area—for their Body and Paint Shop. This is the most modern shop of this type in the area.

To round out a complete dealership on one lot, the Used Car Department is located along side of the New Car Building. This department is completely self sufficient with its own cleanup and repair center.

Through the fine efforts and coordination between Harry Deans, President of Hampton Chevrolet, and W. O. Lewis, President of Hampton Realty Corp.—the contractor, Robert R. Marquis, Inc. feels that this project was one of the best in their history. Subcontractors and Suppliers (Norfolk firms unless otherwise noted)

Robert R. Marquis, Inc., Portsmouth, general contractor; Tidewater Glass & Mirror Co., Inc., Hampton, glass & glazing; Art Newsome, Inc., Hampton, plumbing, heating & air conditioning; George B. Flowe Paint Co., Hampton, paint; Lowe & Associates, Inc., Hampton, paving & concrete; Heath Roofing Co., Hampton, roofing & sheet metal; Clarence E. Swain Tile Co., Portsmouth, ceramic & resilient tile.

Manson & Utley, Inc., acoustic tile; Southern Metal Products, Inc., doors, frames & overhead doors; C. W. Davis Electric Co., electrical; Baker & Co., finish hardware; Snow, Jr. & King, Inc., masonry; Hampton Roads Plastering Co., Inc., plastering; Guille Steel Products Co., Inc., steel joist & deck; R. A. E. Steel Co., Inc., miscellaneous steel & steel erection.



Above, elevation of New Car Sales display, allowing display of 18 new models at one time. Below, Used Car Department and eight salesmen's offices. Clean-up stalls in rear.



to tell the Virginia Story

APRIL 1970

Double lane Service Repair Center giving double-quick service to customers.





PAGE THIRTY-ONE



R. E. LEE and SON, INC. Presents ADDITIONS TO WOODBERRY FOREST SCHOOL

JOHNSON, CRAVEN & GIBSON Architects

Because of the increase of student enrollment and a commensurate increase in faculty members and families over the years, the original dining hall in the Walker Building was no longer able to handle the number of people that had to be served. Consideration was given to building an entirely new dining and kitchen facility in a new separate building, but it was decided that having the dining hall and kitchen in the Walker building near many of the boys' rooms and near all of the administration offices was a great advantage to the school and would help to keep the atmosphere of a closer knit community. Therefore it was decided to enlarge the existing dining room and

SOWERS, RODES & WHITESCARVER Mechanical Engineers

renovate the existing kitchen in the Walker building itself. This addition and the major renovation were done with virtually no interruption of the serving and usefulness of the facilities. The kitchen was able to continue serving food throughout the entire construction process through close coordination between the owner and contractor. The end result was a greatly enlarged dining hall and a virtually new kitchen.

Subcontractors & Suppliers

R. E. Lee & Son, Inc., Charlottesville, general contractor, foundations, concrete, structural wood, carpentry & plaster; Albemarle Construction Corp.,

THOMAS A. HANSON & ASSOC. Structural Engineers

Keswick, excavating; E. W. Barden, Orange, masonry; N. W. Martin & Bros., Inc., Charlottesville, roofing; Hope's Windows, Inc., Silver Spring, Md., windows; Orange Glass & Caulking, Orange, glazing; Better Living, Inc., Charlottesville, painting; O'Ferrall, Inc., Richmond, acoustical & resilient tile; Oliva & Lazzuri, Inc., Charlottesville, ceramic tile; Taylor Bros., Inc., Lynchburg, millwork; Harry A. Wright's, Charlottesville, handrails; Smith Electric Co., Culpeper, lighting fixtures & electrical work; R. J. Davis, Jr., Culpeper, plumbing fixtures, plumbing, air conditioning, heating & ventilating; W. W. Moore & Sons, Inc., Richmond, elevator.



PAGE THIRTY-TWO

VIRGINIA RECORD

Founded 1878



■ The new \$185,000 bottling plant for Royal Crown Bottling Co. of Lynchburg, Inc. was completed in the summer of 1969.

The firm owned by its president, Jack Tyner and State Senator Robert S. Burruss, Jr., since 1963 was previously located at 2603 Fort Avenue. The new plant was built on Murray Place, off Candler's Mountain Road, adjacent to the Lynchburg Expressway on a site purchased from John H. Montgomery, president of Lynchburg Public Warehouse.

The 15,000 square foot plant was built on the 3.09 acre site by Montgomery Construction Co., Inc. of

Lynchburg. Only a portion of the plant, 3,500 square feet, is actually used for manufacturing. The rest of the building is utilized as storage and office facilities.

The building is of a combination metal and masonry construction. Production capacity in the new plant—bottling 260 drinks per minute—is triple that of the old facilities.

Tyner is manager, as well as president of the company. Burruss is vice president and treasurer and Mrs. Virginia Tyner is secretary.

Prior to 1963 the firm was known as Nehi Bottling Co. and was owned by the late E. C. Scott, who founded the

Presents

ROYAL CROWN BOTTLING CO. OF LYNCHBURG

MONTGOMERY CONSTRUCTION COMPANY, INC.

> business on April 1, 1929 and had operated it until 1963.

> Tyner before becoming president and manager of RC, was general manager of Lynchburg Coca-Cola Bottling Works, Inc. from 1955 to 1959.

> In 1966 the Lynchburg bottling company purchased the Albemarle Royal Crown, Inc., plant in Charlottesville. All bottling operations for both areas are now done in Lynchburg.

> The company's franchise covers Lynchburg, the counties of Amherst, Appomattox, Campbell, Albemarle, Nelson, Green and Fluvanna and parts of Bedford, Orange, Madison and Louisa counties.

Subcontractors and Suppliers

Montgomery Construction Co., Inc., Lynchburg, general contractor; Anderson & Shorter, Inc., Lynchburg, excavation, grading, cleaning, backfilling & corrugated pipe; Bill Moseley, Lynchburg, plumbing & gas space heaters; Hundley Bryant Electric Contractor Co., Madison Heights, electrical work; Wilson Heating Co., Lynchburg, heating, air conditioning & roof vents for gas heaters; Construction Products Co., Inc., Lynchburg, joist, hollow metal doors & frames, toilet partitions, security sash, beam, channel framing over hall & thresholds; Overhead Door Co. of Roanoke, Roanoke, overhead doors; Guy Smith Hardware, Inc., Lynchburg, finishing hardware; Manson & Utley, Inc., Lynchburg, acoustical ceiling, resilient floors & vinyl base.

> WE ANNOUNCE WITH GREAT PLEASURE THE CORPORATE REORGANIZATION OF LIPHART STEEL COMPANY, INC. RICHMOND, VIRGINIA

ALL THE STOCK IS NOW OWNED BY EMPLOYEES OF THE COMPANY, THERE WILL BE NO CHANGE IN COMPANY OPERATIONS AND WE LOOK FORWARD TO CONTINUING OUR VALUED BUSINESS RELATIONSHIP.

F.	E.	WEISENSA	LE	•	•			,		PRESIDENT	
N.	C.	TATUM .							VICE	PRESIDENT	
н.	W.	CRAFTON.	JR.				SECR	ET	ARY-	TREASURER	

FEATHER TILE CO.

Residential — Commercial Installations

• CERAMIC TILE • MARBLE • FLAGSTONE • SLATE • QUARRY TILE

> Phone 774-0379 If no answer call 343-8073

5163 Starkey Road Roanoke, Virginia 24014

NEW FROM Q. M. TOMLINSON, INC. . .



Macke Properties, Inc.

JOHN D. LATIMER Architect

EVERETT WADDEY DIVISION OF LITTON INDUSTRIES Interior Decorator ■ Macke VCS Vending Co. of Roanoke has moved from its previous location on Shenandoah Avenue, N. W. to this new, million-dollar building on Rockland Avenue, N. W., a short distance from Interstate 581.

The new 55,000 square foot brick building is over four times larger than the firm's former quarters. It was completed in December 1969.

The facility has interior walls of block and brick and features aluminum windows and a built-up roof.

John D. Latimer of Durham, North Carolina was the architect for this new building which has an atrium and a landscaped office area.

Interior decoration was done by Everett Waddey Division of Litton Industries and Q. M. Tomlinson, Inc. was the general contractor. Subcontractors and Suppliers

(All Roanoke firms unless otherwise noted)

Q. M. Tomlinson, Inc., general contractor & carpentry; Concrete Ready Mixed Corp., concrete; Structural Steel Co., Inc., steel & steel roof deck; Lewis Rutrough Roofing & Sheet Metal, roofing; Pittsburgh Plate Glass Co., windows, window walls & glazing; U. S. Plywood Corp., paneling; John H. Hampshire, Inc., acoustical, plaster & resilient tile; Feather Tile Co., ceramic tile; South Roanoke Lumber Co., millwork; Roanoke Engineering Sales Co., Inc., steel doors & bucks; Valley Air Conditioning Corp., plumbing; Weddle Plumbing & Heating, air conditioning, heating & ventilating; Graves-Humphreys, Inc., hardware supplier.

Plecker Brothers, Inc., Millboro, excavating; Dennis Jones, Goodview, masonry; W. E. Donald, Vinton, painting & plastic wall finish; Va. Contracting Co., Bedford, electrical work.





PAGE THIRTY-FOUR

VIRGINIA RECORD

Founded 1878

R. G. Martz Construction Corp. presents . . .



(Photo by Ray Hash studio)

UNITED VIRGINIA BANK/STATE PLANTERS PETERSBURG

GORDON B. GALUSHA, AIA Architect

BRANDT & MORSE Mechanical & Electrical Engineers

WILLIAM T. ST. CLAIR Structural Engineer LUCY B. TURLINGTON, N.S.I.D. Interior Designer

The United Virginia Bank State Planters has recently opened its new Walnut Hill Branch in Petersburg. This new facility was designed by architect Gordon B. Galusha and includes spacious facilities featuring office space, conference room, and lounge area, four (4) inside teller windows, a drive-in teller window with facilities to expand to three (3), a walk-in room with coupon booths for privacy for safe-deposit customers and a large customer area is

to three (3), a walk-in room with coupon booths for privacy for safe-deposit customers and a large customer area is provided by excellent interior arrangement of facilities. R. G. Martz Construction Corp., of Petersburg, was general contractor and did excavating, foundations, concrete, masonry, structural wood, carpentry & insulation. Also from Petersburg were: Andrews-Joyner Iron Works, structural steel & steel roof deck; Southern Roofing Co., roofing & waterproofing; Petersburg Builders Supply Co., Inc., millwork; Petersburg Electric Corp., lighting fixtures & electrical work; K & M Plumbing & Heating Co., plumbing

fixtures, plumbing, air conditioning, heating & ventilating. From Richmond were: Binswanger Glass Co., windows, window walls, glazing & weatherstripping; Dave Ecker Co., painting & decorating; C. B. Smith Co., acoustical & resilient tile; Oliva & Lazzuri, Inc., ceramic tile.

painting & decorating; C. B. Smith Co., acoustical & resilient tile; Oliva & Lazzuri, Inc., ceramic tile. Others were: Joseph F. Prezioso Plaster & Drywall Co., Mechanicsville, drywall & plaster; Howlett Hardware & Specialty Co., Colonial Heights, hardware supplier; and, Diebold, Incorporated, vault door and Allied bank equipment.



FOR THE RECORD

New Associates For Engineering Firm



KEFFER

• Sowers, Rodes & Whitescarver, Roanoke consulting engineering firm, has promoted Charles D. Keffer II to senior associate and Larry R. Clark and Lawrence E. Perry Jr. to associates.

Keffer, a Roanoke native, Virginia Tech graduate, joined the firm in 1964 and was made an associate in 1968. He is vice president of the Roanoke chapter of Virginia Society of Professional Engineers. He and his wife, the former Virginia Ann Connolly of Roanoke,



CLARK

and their daughter live at 4813 East Hill Drive, SW.

Clark, a native of Salem, attended Roanoke College and is a Virginia Tech graduate. He was an aerospace engineer for National Aeronautics and Space Administration at Langley Field from 1961 to 1965 when he came to the Roanoke firm. He and his wife, the former Barbara Ann Moore of Roanoke, and their two daughters live at 5715 Halcun Drive, NE.



PERRY

Perry, a native of Ft. Bragg, N.C., and a Roanoke resident since 1940, also is a Virginia Tech graduate. He was a sales engineer in Charlotte and worked for another consulting engineering firm before joining Sowers, Rodes & Whitescarver in 1967. He and his wife, the former Joanne Carol Stinson of Roanoke, and their two sons live at 322 Thrush Drive, NE.

All three men are registered professional engineers.



PAGE THIRTY-SIX

VIRGINIA RECORD

Founded 1878
"Outstanding Young Man"



(Foster Studio)

■ Harry H. Warner, a thirty-four year old banker, has been named as Richmond's "Outstanding Young Man" of 1969. Warner, Executive Vice-President with Metropolitan National Bank received the Richmond Jaycees' 1969 award on Tuesday, January 20, 1970, at the Distinguished Service Award-Bosses' Night Banquet held at the Hotel John Marshall.

He was selected by a panel of judges consisting of Warren M. Pace, President of The Life Insurance Company of Virginia, David W. Robbins, Dean of The School of Business, University of Richmond, and Robert A. Wilson, Chairman of the Executive Committee of Cargill, Wilson & Acree, Inc. Dean Robbins made the award presentation.

The recipient, a native of Staunton, graduated from Episcopal High School, Alexandria before attending Virginia Military Institute where he received his B.A. degree in 1957. He served eight years in the U. S. Army Reserve, holding the rank of Captain at the time of his discharge.

Warner began his banking career in 1957 as a Trainee with State-Planters Bank. He held a number of positions with State-Planters prior to being appointed Vice-President—Commercial Loans for Metropolitan National Bank





Formerly Ornamental Iron and Prison Works.

TIME SAVINGS GO UP, BUILDING COSTS COME DOWN, VIA F.M.I. STAIRS!

To save construction time and costs, architects and contractors rely on specialists like Fabricated Metals Industries. Our specialty is custom stairways...preerected, pre-assembled or knocked down... for new or remodeled buildings. Each flight of steps is accurately and efficiently manufactured in our big modern plant—delivered on schedule to the job site—pre-assembled, or erected as one prefabricated unit, with the help of our skilled crews.

Write or Phone F.M.I.

In addition to stairways, we manufacture support structures, industrial pipe railings, tanks, residential railings, and many other kinds of miscellaneous metal products for industrial, institutional and apartment buildings. Fabricated Metals serves the construction industry throughout the Middle Atlantic states and the South. Let us quote on your next job; you may be pleasantly surprised. Phone or write us today.



Formerly: Ornamental Iron & Prison Works, Inc.

P. O. Box 8336 • Roanoke, Virginia 24014 Plant: Route 5, Starkey Road (behind Steel Service Warehouse)



Pre-erected stairway of the new 5-story Southwestern Virginia Savings & Loan Association in downtown Roanoke-produced by Fabricated Metals, Inc.

PAGE THIRTY-SEVEN

CITIZENS NATIONAL BANK "Your Financial Friend"

EMPORIA, VIRGINIA

Member of Federal Deposit Insurance Corporation and Federal Reserve System DRIVE-IN BRANCH IN SHOPPING CENTER

JERRY BROS. BELTING CO., INC.

Established for A Half Century

BELTING MANUFACTURERS & SUPPLIERS COMPLETE LINE BELTS

RICHMOND, VA. 23223

1908 E. Main St.

Phone 643-6167

ALUMINUM PRODUCTS

Natcor

Orange Glass and Caulking Co.

STORE FRONTS

MIRRORS

Orange, Virginia

116 Grasty Street

Dial 672-3281

PETERSBURG ELECTRIC CORP.

Electrical Contractor

Commercial — Industrial — Residential

Installation - Repairs

315 Wythe St.

Phone 733-7928 PETERSBURG, VA. 23803

WOODWAY STONE COMPANY

"All Grades of Stone"

AGRICULTURAL LIME
 BLACK TOP WORK

Phone 546-1322 PENNINGTON GAP, VA.

Mailing Address:

P. O. Box 338 Woodway (Lee County) Virginia 24295

PAGE THIRTY-EIGHT

at the inception of that Bank in 1965. In February, 1967 he was appointed Senior Vice-President - Commercial Loans and General Management, a position he held until February 1969 when he was promoted to Executive Vice-President, his current position.

His extensive involvement in community affairs includes work on behalf of the Richmond Chamber of Commerce, Central Richmond Optimist Club, the 1969 Bryan-Farley-Sheppard Campaign, Richmond Forward, the 1969 Annual Patrons' Giving Cam-paign for Collegiate School, Robert E. Lee Council Boy Scouts of America, United Givers' Fund, Richmond Chapter of the American National Red Cross, Richmond Area Community Council, St. James's Episcopal Church, FISH, and the Virginia Council on Economic Education.

Two of his many outstanding contributions during 1969 involved his participation in FISH and the Virginia Council on Economic Education. He was considered a prime mover in the establishment of FISH, an ecumenical effort in the central Richmond area providing twenty-four hour assistance to people in need. His participation and interest in this project continues as a member of its Board.

Interest in economic education and the lack of a statewide council for such led him to becoming an original member of the Steering Committee which organized the Virginia Council. He is currently serving the Council as Treasurer, Member of the Executive Committee and Board of Directors.



In addition to the above, for the past six years he has been an instructor of Effective English, a class sponsored by the American Institute of Banking. Also, he is First Vice-President and member of the Board of Governors of the V. M. I. Club of Richmond and Treasurer of the Richmond Episcopal High School Old Boys' Association.

Warner is married to the former Mary Elizabeth Patrick, a native of Charleston, West Virginia. They have three sons and a daughter.

NEW ACCOUNTS

FOR

AD AGENCY

· Lin Lockhart Advertising, Inc., of Richmond, Virginia, has been ap-pointed by the United Virginia Bank of Williamsburg as their advertising agency. The appointment was an-nounced by William B. Guerrant, Marketing Officer in Williamsburg on Friday February 13, 1970.

Lin Lockhart Advertising, Inc. has also been appointed to handle all advertising for Hanover Sportline, Inc., of Raleigh, North Carolina, manufacturer of the TENT-MATE Camper



RFD 33 Edinburg

37" Swing—26' Center-Taper & Grinding Attach

Heavy Welders

Lathe

THE BANK OF WAVERLY

Member:

Federal Deposit Insurance Corporation Federal Reserve System

WAVERLY, VIRGINIA 23890

KENNEDY KONSTRUCTION KOMPANY

Reg. #9712

FARM BUILDINGS

Phone 459-4550

Woodstock, Va.

SCHRADER MACHINE & WELDING, INC. AND COMPLETE MACHINE SHOP CERTIFIED

ELECTRIC - ACETYLENE - HELIARC

- Call 644-3047
 - 200 Ton Vertical Hydraulic Forcing Press

For Emergency Service Portable Equipment Nights - Sun. - Holidays Call 266-1492 or 266-2942

310 Gilmer St. Richmond, Virginia 23220



SELF-HELP . . .

(Continued from page 15)

Commission and the Bright Flue-Cured Tobacco Commission. The Peanut Commission in addition to promoting its own production, has spent much of its effort in research on mold or the aflotoxin problem. The Bright Flue-Cured Tobacco Commission have sought to promote the growth of better quality tobacco and the grades desired by buyers. In the search for new markets they have sent representatives to Germany, Japan, Poland, Spain and Netherlands.

The Dark-Fired Tobacco Commission created in 1964, has also spent much time in looking for overseas markets and considerable money on other areas of marketing and research.

In 1965 two more self-help programs came into being. Both of these, the Poultry Products Commission and the Sweet Potato Commission were again created by the General Assembly, but this time there was a difference. Before either could actually begin operation they had to receive a favorable vote in a referendum conducted among producers. And in each case the commissions were created for a five year period. At the end of this time the producers will again vote to decide if they



Secretary-Treasurer

Main Office

are still needed or useful to the industry.

The Poultry Products Commission was instrumental in creating a new concept of quality eggs. These are identified on the market by a symbol called "Ginny Hen." Before this registered label can be used the producer had to meet many regulations including the requirements that only Grade A eggs or better can be packed under the certification mark. The commission was also instrumental in joining with the National Egg Company making Virginia an integral part of the twelvestage cooperative of commercial egg producers.

The Sweet Potato Commission has worked hard to expand the Virginia certified seed program and to create more interest in the production of Virginia certified seed and working with Virginia Polytechnic Institute and the Virginia Truck Experiment Station has sought to up-grade growing and marketing practices. This commission in conjunction with the Agriculture Foundation has sponsored a mechanical harvesting and sizing research project.

In 1967 the Virginia Pork Industry Commission came into being. They too have worked in the field of promotion and a number of research projects that include the control of pre-weaning and post-weaning enteritis in young pigs and on nutritional requirements of the sow in total confinement. This project is being partially underwritten by the Virginia Agriculture Foundation.

This is not expected to be the last of the self-help programs to be created. In January of this year the Board of Agriculture and Commerce went on record in favor of supporting commodity groups seeking legislation for self-help check-off type programs, where producers assess themselves for funds.

Currently under consideration by the legislature are separate bills that would permit soybean growers and beef cattle producers to hold referendums to create commissions for their respective commodities.

WINDSOR GRANARY

G. M. WATSON

WAYNE FEEDS Custom Feeds & Shelling Corn & Soybeans

WINDSOR, VIRGINIA

Phone 242-3211



W. Windsor Blvd.

PAGE FORTY-ONE

APRIL 1970



A.G.C. Convention

(Continued from page 24)

Session followed with the Resolutions Committee Report and a discussion of new business.

The ladies attending the Convention were invited to pick up beautiful orchid corsages donated by Lone Star Cement Corporation of Norfolk and Richmond. All of the ladies agreed that these were some of the loveliest orchids they had seen.

The President's Reception was held at 6:00 P.M. in the lovely Crystal Room. Virginia Branch President Samuel H. Shrum and his delightful wife, Evelyn led the receiving line, followed by the incoming President of the Virginia Branch, J. A. (Buddy) Kessler, Jr., and his charming wife, Kate; and incoming 1st Vice President, N. David Kjellstrom and his lovely wife, Edie. Everyone enjoyed refreshments of their choice.

The Annual Banquet was served at 7:00 P.M. prior to which the members and guests had the pleasure of hearing Robert M. Dunville of Robert M. Dunville & Brothers, Inc., Richmond, sing one of Rev. Ernest K. Emurian's lovely hymns, "Build Thou the City

Splendid." The Officers for the coming year were installed with a flourish by William E. Dunn, Executive Director of the National A. G. C. The new officers are: President, J. A. (Buddy) Kessler, Jr., R. E. Lee & Son, Inc., Charlottesville; 1st Vice President, N. David Kjellstrom, Kjellstrom and Lee, Inc., Richmond; 2nd Vice President, Aubrey S. Bass, Jr., Bass Construc-tion Company, Inc., Richmond; and Secretary-Treasurer, J. W. Creech, J. W. Creech, Inc., Norfolk. The new Directors, Robert A. Dobyns, Dobyns, Inc., Dublin; Ralph D. Shockey, Howard Shockey & Sons, Inc., Winchester; and John E. Poindexter, Basic Construction Company, Newport News were also installed along with Alexander Alexander, Alexander Building Construction, Inc., Richmond; and R. G. (Gene) Montgomery, Montgomery Construction Company, Inc., Lynchburg who were re-elected. These men will join A. J. Conner, Aaron J. Con-ner General Contractor, Inc., Roa-noke; L. B. Duke, F. A. Duke Company, Inc., Portsmouth; J. B. Frith, Frith Construction Company, Inc., Martinsville; S. L. Lionberger, Jr., S. Lewis Lionberger Company, Roanoke; H. I. Miller, Miller Brothers of Arlington, Inc., Arlington; A. E. Thomas, Eugene Thomas Construction Company, Inc., Alexandria; and the other officers to form the Virginia Branch Board of Directors.

J. R. Houck of John R. Houck, Richmond, was named Chairman of the Associate Advisory Directors. Elected this year to the Associate Advisory Directors are Merrill K. Luhman, Howard Eales, Washington, D. C. and L. A. Lacy, L. A. Plumbing and Heating, Charlottesville. These gentlemen join A. M. Hugerford, Jr., Hungerford, Inc., Richmond, R. W. Lynch, Southern Materials Company, Inc., Norfolk and William Mahone, IV, Mahone, Inc., Roanoke. The Virginia Branch is privileged to have such a fine group of men as their Associate Advisory Directors.

The National Directors are A. J. Conner, Aaron J. Conner General Contractor, Inc., Roanoke; R. E. (Bobby) Lee, R. E. Lee & Son, Inc., Charlottesville and B. F. Parrott, Sr., B. F. Parrott & Co., Inc., Roanoke. As a memento of the occasion De-

As a memento of the occasion De-Jarnette & Paul furnished banquet programs and menus.

At the conclusion of Mr. Shrum's year as president of the Virginia Branch, he was presented with a handsome watch in recognition of the many countless hours devoted to the welfare of the Virginia Branch. Mrs.



to tell the Virginia Story

PAGE FORTY-THREE

Shrum was given a lovely punch set in appreciation for her contributions and the excellent job she did in presiding at all of the ladies' affairs.

One of the many awards given at the Annual Banquet is the Construction Man of the Year Award. This year, the award went to Sam Shrum -much to his surprise! He did richly deserve this honor, since his untiring efforts with Plan Bulldozer during the flooding last year made possible the success of this operation. However, his efforts did not stop here-he worked diligently on the Membership Committee and was responsible for 39 new members. BUT-The Virginia Branch had still another surprise for him. His daughter, son and daughter-in-law were brought to The Homestead to share in this hour of glory for a man we will all long remember.

The Convention came to a close with the excellent rhythms of Gordon Reid and his Orchestra with their Society Beat! They provided music to please everyone—the young, the old, and even the generation gap! When the members, their wives and guests were not discussing the lovely music, the talk posed the question—don't they ever take a break? And, so it went until 2:00 A.M. and the end of a delightful evening.

There was one added attraction to the Convention that has not been mentioned due to the fact that this was a daily event—namely, the daily newspaper. This was put outside every door each morning through the courtesy of Roanoke Engineering Sales Company, Inc., of Arlington, Richmond and Roanoke in Virginia, and Charlotte, North Carolina.

BOWMAN BAG CO. Licensed Buyer and Seller of Burlap and Cotton Bags As-Rise or Processed Bags Phone 434-7282 41 W. Gay St. HARRISONBURG, VIRGINIA	Hartman's, Incorporated MOTOR FREIGHT CARRIER GENERAL HAULING REFRIGERATED SERVICE "We Go A Long Way To Please You" Phone 434-9376 833 Chicago Ave. Harrisonburg, Va.
A BLAIR TR	CCO STORAGE AND ANSIT CO. Pacco Truckers RICHMOND, VIRGINIA
HEATI	UMBING & NG CO. x. #8730

HEATING, PLUMBING & AIR CONDITIONING CONTRACTORS

COMMERCIAL — INDUSTRIAL — RESIDENTIAL

315 Wythe St.

PETERSBURG, VA. 23803

Phone 732-1544



Do We Have To Lag Behind Alaska?

(Continued from page 5)

library-workers with graduate degrees in library science are comparatively few. For, instance, the urban counties adjacent to Richmond, which very recently put in their own library services, are continually in the market for trained librarians and the turnover in all library personnel is high. Not only do the low salaries offer little attraction to librarians with graduate degrees, but the scarcity of first class public libraries offer limited opportunities for advancement.

There has been talk of installing a graduate library school at one of the state's institutions, but at the present salary range and with the limited opportunities for advancement, the state would probably be spending money to provide degrees for librarians who would take their talents to other areas. For the ambitious younger people coming out of graduate schools in library science there would be little inducement to commit their careers to a state whose public libraries mostly come nowhere near meeting the minimal standards established by the American Library Association and the Virginia Library Association.

Virginians seem unaware of this condition of their public library service, or unconcerned about it, or both. Certainly the Letter Columns in the newspapers contain no complaints or suggestions, nor, come to think of it, do the editorials. It is in general no longer true that Virginians "live in the past," but at the Virginia State Library a large portion of their librarians' work is devoted to helping "ancestor-worshippers" trace through volumes of genealogy, which does not exactly give the impression that the users of the library are dominated by individuals interested in "education" in the broader

Hampton Roads Plastering Co., Inc.

Plastering, Drywall, Lathing & Acoustical

Commercial — Industrial

Phone 497-4400 5024 Southern Boulevard Virginia Beach, Va.

PAGE FORTY-FOUR

VIRGINIA RECORD

Founded 1878

sense of cultivating the mind. Books of mine always result in letters from strangers asking my help in establishing their connection to this family or that; to say the least, to be placed in the position of a free-service genealogist does not leave me with that glow of satisfaction at having interested a reader with my work. It does suggest that if all the books in Virginia on genealogy were removed from the state and the community public libraries, the per capita volume of books in Virginia public libraries would undoubtedly place us securely at the bottom of the fifty states.

This would make it appear that, while Virginians in the generality are no longer living in the past, the state ranks around the bottom-below other Southern states, below Alaska and Hawaii-in its interest in educated pursuits for adults. And it would seem most likely that some self-complacency about a long dead past would at least be a contributing factor to Virginians' indifference to their present lag in educated pursuits. It was not until Governor Godwin's administration that a concerted drive raised more money for public education, and this of course had to start with volume rather than with quality. But even during the Governor's justly praised efforts on public education no attention was called to the mental inertia as evidenced by the backwardness of the state's library services. There was no popular demand for

> Southern Tractor & Equipment, Inc.

JOHN DEERE FARM IMPLEMENTS

SINCE 1921

phone 774-4244

2739 Wilshire Ave., SW

Roanoke, Va. 24015

an improvement: the people are not readers.

Sometimes it seems that Virginians, with all their unique qualities and admirableness of character, are bemused by being Virginians into shrugging off deficiencies in such matters of education-again in the sense of the cultivated mind. It is as if what Virginia lacks is of no consequence because to be Virginia is enough. This smug provincialism had many authentic explanations in the past century and in the early part of the Twentieth century. But during much of the Twentieth century this attitude caused serious lags in comparison with other parts of the country, and we are only recently catching up on many, or perhaps most, fronts-partly through fortuitous circumstances (such as the Washington suburban population in Northern Virginia and various government installations) which were not caused by the efforts of Virginians. However, there is still this lag in an underlying attitude.

We praise our great figures of the past without seeming to be aware that we are praising men, as most exemplified by Jefferson and Madison, who were educated men of ideas, proficient as men of political action. These men, whose education never ceased while they drew breath, started with ideas, derived from the cultivation of their minds, and translated them into highminded political action. There are many reasons-such as climate and en-

South Roanoke

vironment-why Virginia never made the tradition of education that New England did. However, no region has superior models to those of our past heroes to whom we give lip reverence, and nothing would be a worthier goal for the rising generations than to supplant "ancestor-worship" with programs to realize the fullest traditions of Virginia in thoroughly modern terms.

That is, this glorious past of mental enlightenment in Virginia did happen, and we have now come upon a time when we try to live up to it (not "on it") or stop talking about it. Do we have to lag behind Alaska?

Clifford Dourdey

CARPEN SEPTIC TANK	A MERCINERIA INC.
Ditch Die Septic Tank Cleani Installa	NG • REPAIRING
Bryant Rd. LYNCHBUR	239-5245 RG, VA.

WEST VIRGINIA STATE AND COUNTY HISTORIES

New Editions, Reprints

- Ask for List -

McClain Printing Company 211 Main St., Parsons, W. Va. 26287 Dial (304) 478-2881

Weddle **Plumbing & Heating**

Mechanical Contractors

St. Reg. #1172

Phone 343-4473

1129 Shenandoah Ave., N. W. Roanoke, Va. 24004

to tell the Virginia Story

Highway 360

Lumber Co. Tractors and Equipment A Complete Repair Shop GENUINE JOHN DEER PARTS "Sales and Service" Phone 561-2980 **AMELIA, VIRGINIA Overhead Door Co.** of Roanoke RESIDENTIAL - COMMERCIAL Sales-Installation & Service for Upward-acting Doors and Electric Door Operators Authorized Distributor THE OVERHEAD DOOR

2329 Franklin Rd., S.W. ROANOKE, VIRGINIA

	ey Bryant	
Electrical C	Contractor Co.	
Electric	All Types of	
Heat	Electrical	
Lighting	Work	
Fixtures	Repairs	
Free	Estimates	
Phone	845-9220	
If No Answe	er Call 846-6579	

Route 29 N. Madison Heights Virginia

APRIL 1970

PAGE FORTY-FIVE

Index To Advertisers

 A	-	-

American Oil Co.	2
Arlington Iron Works, Inc.	30
The Avamere Hotel	19
— B —	
Baker & Co	42
The Bank of Southside Va.	22
The Bank of Waverly	39
Bass Construction Co.	
I. W. Bateson Construction Co., Inc.	18
Beacon Motor Lodge	19
Bennett Farm Dairy	16
Better Living, Inc.	30
Black Watch Farms, Inc	10
Blair Tobacco Storage	4
Bowman Apple Products Co., Inc.	4(
Bowman Bag Co.	4
Hundley Bryant Electrical Contractor Co	4
Burlington Industries, Inc	4
— C —	
C & T Mechanical Corp.	2
The Carolinian	1
Carpenter Septic Tank Service	4
CastAStone Products Co., Inc.	2
The Citizens Bank, Inc.	
Citizens National Bank	3
John D. Clayborne	1
Clover Dew Dairy	4
Luther Compton & Sons	4
Costen Lumber Co.	3
J. H. Cothran Co., Inc.	2
Curles Neck Dairy	4
— D —	
D & M Concrete Specialties, Inc.	. 3
Edwin Davis Builder, Inc.	. 4

Smith Electric Co.	GL
Electrical Contractors	R S L L H
St. Reg. #9250	HRR
Phone 825-8546 P. O. Box 628	

dex 10 Auvertisers	Eagle Rock Milling & Mfg. Co., Inc	36	Oliva & Lazzuri, In
- A -	Sam English, Inc.	42	Orange Glass & Car Orange Live Stock
Oil Co	P. E. Eubank & Co.	т	Overhead Door Co.
Iron Works, Inc	— F —		Grenned Boor Co.
nere Hotel 19	Fabricated Metals Industries, Inc.	37	
— B —	Farmers Bank of Mathews	36	P J Glass Co
Co	Farmers Co-operative Fertilizer Purchasers, Inc	40	The Page Valley N
of Southside Va	Feather Tile Co.	33	Petersburg Electric
of Waverly	J. H. Filbert, Inc.	10	Phillips & Jordan, I
truction Co	Froehling & Robertson, Inc.	10	Progressive Products
eson Construction Co., Inc	— G —		
otor Lodge	General Builders Co. of Lynchburg, Inc.	26	Ra-Pid-Gro Corp.
arm Dairy	Glamorgan Pipe & Foundry Co.	3	Rich-Line Mfg. Co.
ving, Inc	Graves Construction Co., Inc.		Richmond Livestock
tch Farms, Inc	Green Hill Jersey Farm	11	
Apple Products Co., Inc			
Bag Co	— H —	10	S. & H. Metal Sho
Bryant Electrical Contractor Co	Halifax Roller Mills	10	W. D. Sams & Son
Industries, Inc 48	Hamilton's Floor Fashions & Tile, Inc.	44	A. M. Savedge Co Schrader Machine
— C —	Hampton Roads Plastering Co., Inc	35	Shockey Bros., Inc.
Iechanical Corp	Harrisonburg Motor Express	11	Smith Electric Co.
linian 19	Hartman's, Inc.		Leonard Smith Shee
Septic Tank Service	Heath Roofing Co., Inc.	4	Smithland Farms
ne Products Co., Inc	Horne Brothers, Inc.	26	South Norfolk Brid
ens Bank, Inc 4	Hotel-Motel Wachapreague	19	South Roanoke Lu
National Bank	—I—		Southern Tractor &
Clayborne		2	Standard Tile Co.,
ew Dairy	Imperial Components, Inc.	-	
ompton & Sons	— J —		The Tan-A-Rama
hran Co., Inc	Jerry Bros. Belting Co., Inc.	38	Taylor Bros., Inc.
ck Dairy	Herschel Jones Marketing Service, Inc.	. 3	Tidewater Glass &
			The E. M. Todd C
— D —	— K —		Q. M. Tomlinson,
Concrete Specialties, Inc	K&M Plumbing & Heating Co		Town & Country 1
avis Builder, Inc 42	H. E. Kelley & Co., Inc.	. 12	Coleman Trainor 8
pressessessessessessessesses	Kennedy Konstruction Kompany	30	
\$	Richard B. Kingery Knight & Brinkley Farm Supplies	36	Valley Air Conditio
	Klight & blinkley Faile Supples		Va. Dairy Co., Inc
I FL	-L-		Va. Dark-Fired To
nith Electric Co. }	G. A. Largent Construction Co., Inc.	. 30	Ass'n., Inc
1	Lee Farmers Cooperative	. 40	Va. Metal Product
· · · · · · · · · · · · · · · · · · ·	R. E. Lee & Son, Inc.	. 2	Va. Packing Co., In
	S. Lewis Lionberger Co.	. 22	
lectrical Contractors	Liphart Steel Co., Inc.	41	Wampler Foods, In
	Livestock Breeder Journal	4	Weaver Bros., Inc.
	II. A. Eucas & Jons, Inc.	8 (B)	Weddle Plumbing
5. D	— M —		Wetsel Seed Co., In
St. Reg. #9250	Howard E. Marquart & Co.	. 26	Roy Wheeler Realt
	Robert R. Marquis, Inc.	. 2	Wheeler Saw Co
· · · · · · · · · · · · · · · · · · ·	R. G. Martz Construction Corp.	. 30	R. Willison Roofin
1	Masonry Contractors, Inc.	. 30	Wilson Heating Co Windsor Granary
ne 825-8546 P. O. Box 628	McClain Printing Co	36	Windsor Supply Co
	Murphy & Ames, Inc.		J. B. Wine & Son
CULPEPER, VA. 22701			Woodway Stone C
•	— N —		Harry A. Wright's
	Art Newsome, Inc.	. 26	
		-	N. I. D. L.
		5	Yoder Dairies Yowell Hardware
COLDELET TO LET	TOD 0 COMPANY	2	rowen naruware
COLEMAN TRAIN	NOR & COMPANY	2	r
NO MARATIRIALI A RELIGI	I U AL OL OUTAL LALIT	\$	Kaan
		2	Keep
WATERWORKS SYSTEMS	s — Sewerage Systems	3	
		1	
WATER TREATMENT PLANTS -	- Sewage Treatment Plants	2	
		(111

Ρ.	0.	Box	1477

00000000

Area 304-529-3324 HUNTINGTON, WEST VIRGINIA 25716

R. WILLISON ROOFING COMPANY

For Industrial and Commercial Roofs FACTORIES · WAREHOUSES · OFFICES STORES · APARTMENTS

2100 N. Hamilton St.-Phone 359-4591-Richmond, Virginia 23230

VIRGINIA RECORD

Oliva & Lazzuri, Inc. 2 Orange Glass & Caulking Co. 3 Orange Live Stock Market, Inc. 9 Overhead Door Co. of Roanoke 4 $-P -$ P P J Glass Co. 7 The Page Valley National Bank 4 Petersburg Electric Corp. 7 Phillips & Jordan, Inc. 7 Progressive Products Corp. 7 Ra-Pid-Gro Corp. 7 Rich-Line Mfg. Co., Inc. 7 Rich-Ine Mfg. Co., Inc. 7 Rich-Ine Mfg. Co., Inc. 7 S. & H. Metal Shop 9 W. D. Sams & Son, Inc. 7 Shockey Bros., Inc. 7 Shoith Electric Co. 1 Leonard Smith Sheet Metal & Roofing, Inc. 5 South Roanoke Lumber Co. 5 Southern Tractor & Equipment, Inc. 5 South Roanoke Lumber Co. 5 Southern Tractor & Equipment, Inc. 7 The Tan-A-Rama 7 The Tan-A-Rama 7 The Tan-A-Rama 7 The Tan-A-Rama 7 The T	10 15 26 11 38 18 16 16 16 16
Orange Glass & Caulking Co. 3 Orange Live Stock Market, Inc. 9 Overhead Door Co. of Roanoke 4 $-P -$ P P J Glass Co. 2 The Page Valley National Bank 4 Petersburg Electric Corp. 3 Phillips & Jordan, Inc. 7 Progressive Products Corp. 7 Ra-Pid-Gro Corp. 7 Rich-Line Mfg. Co., Inc. 7 Rich-Ine Mfg. Co., Inc. 7 S. & H. Metal Shop 9 W. D. Sams & Son, Inc. 6 A. M. Savedge Co. 5 Schrader Machine & Welding, Inc. 5 Smith Electric Co. 5 Leonard Smith Sheet Metal & Roofing, Inc. 5 South Norfolk Bridge Commission, Inc. 5 South Roanoke Lumber Co. 5 Southern Tractor & Equipment, Inc. 5 Standard Tile Co., Inc. 7 The Tan-A-Rama 7 Taylor Bros., Inc. 7 The Tan-A-Rama 7 Taylor Bros., Inc. 7 The E. M. Todd Co., Inc. 7 <	10 15 26 11 38 18 16 16 16 16
Overhead Door Co. of Roanoke	15 26 11 38 18 16 16 16
Overhead Door Co. of Roanoke	15 26 11 38 18 16 16 16
-P - P J Glass Co. The Page Valley National Bank Petersburg Electric Corp. Phillips & Jordan, Inc. Progressive Products Corp. $-R -$ Ra-Pid-Gro Corp. Rich-Line Mfg. Co., Inc. Richmond Livestock Co., Inc. $-S -$ S. & H. Metal Shop W. D. Sams & Son, Inc. A. M. Savedge Co. Schrader Machine & Welding, Inc. Smith Electric Co. Schrader Machine & Welding, Inc. Smith Electric Co. South Norfolk Bridge Commission, Inc. South Roanoke Lumber Co. Southern Tractor & Equipment, Inc. Standard Tile Co., Inc. $-T -$ The Tan-A-Rama Taylor Bros., Inc. $-V -$ Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., I	26 41 38 18 16 47 41 40
P J Glass Co. P The Page Valley National Bank Petersburg Electric Corp. Phillips & Jordan, Inc. Progressive Products Corp. Progressive Products Corp. P Ra-Pid-Gro Corp. Rich-Line Mfg. Co., Inc. Rich-Line Mfg. Co., Inc. Richmond Livestock Co., Inc. Name Name No. Sams & Son, Inc. A. M. Savedge Co. Schrader Machine & Welding, Inc. Shockey Bros., Inc. Smith Electric Co. Leonard Smith Sheet Metal & Roofing, Inc. South Norfolk Bridge Commission, Inc. South Norfolk Bridge Commission, Inc. Southern Tractor & Equipment, Inc. Standard Tile Co., Inc. — T — The Tan-A-Rama — Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. — The E. M. Todd Co., Inc. The E. M. Todd Co., Inc. — OV — Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., Inc. — V —	47 41 40
-R - Ra-Pid-Gro Corp. Rich-Line Mfg. Co., Inc. Rich-Line Mfg. Co., Inc. Rich-Line Mfg. Co., Inc. $-S -$ S. & H. Metal Shop W. D. Sams & Son, Inc. A. M. Savedge Co. Schrader Machine & Welding, Inc. Shockey Bros., Inc. South Roanoke Lumber Co. South Norfolk Bridge Commission, Inc. South Roanoke Lumber Co. Southern Tractor & Equipment, Inc. Standard Tile Co., Inc. $-T -$ The Tan-A-Rama Taylor Bros., Inc. The E. M. Todd Co., Inc. The E. M. Todd Co., Inc. The E. M. Todd Co., Inc. $Q. M. Tomlinson, Inc. Column Trainor & Co. -V - Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Va. Dairy Co., Inc.$	47 41 40
-R - Ra-Pid-Gro Corp. Rich-Line Mfg. Co., Inc. Rich-Line Mfg. Co., Inc. Rich-Line Mfg. Co., Inc. $-S -$ S. & H. Metal Shop W. D. Sams & Son, Inc. A. M. Savedge Co. Schrader Machine & Welding, Inc. Shockey Bros., Inc. South Roanoke Lumber Co. South Norfolk Bridge Commission, Inc. South Roanoke Lumber Co. Southern Tractor & Equipment, Inc. Standard Tile Co., Inc. $-T -$ The Tan-A-Rama Taylor Bros., Inc. The E. M. Todd Co., Inc. The E. M. Todd Co., Inc. The E. M. Todd Co., Inc. $Q. M. Tomlinson, Inc. Column Trainor & Co. -V - Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Va. Dairy Co., Inc.$	47 41 40
-R - Ra-Pid-Gro Corp	47 41 40
-R - Ra-Pid-Gro Corp	47 41 40
-R - Ra-Pid-Gro Corp. Rich-Line Mfg. Co., Inc. Rich-Line Mfg. Co., Inc. Richmond Livestock Co., Inc. -S - S. & H. Metal Shop W. D. Sams & Son, Inc. A. M. Savedge Co. Schrader Machine & Welding, Inc. Shockey Bros., Inc. Smith Electric Co. Leonard Smith Sheet Metal & Roofing, Inc. Smith Electric Co. Leonard Smith Sheet Metal & Roofing, Inc. South Norfolk Bridge Commission, Inc. South Roanoke Lumber Co. Southern Tractor & Equipment, Inc. Southern Tractor & Equipment, Inc. Standard Tile Co., Inc. - T - The Tan-A-Rama Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. - V - Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	47 41 40
-R - Ra-Pid-Gro Corp	47 41 40
Ra-Pid-Gro Corp. Rich-Line Mfg. Co., Inc. Rich-Line Mfg. Co., Inc. Richmond Livestock Co., Inc. Richmond Livestock Co., Inc. South N. D. Sams & Son, Inc. South A. M. Savedge Co. Schrader Machine & Welding, Inc. Shockey Bros., Inc. Smith Electric Co. Leonard Smith Sheet Metal & Roofing, Inc. South Norfolk Bridge Commission, Inc. South Norfolk Bridge Commission, Inc. Southern Tractor & Equipment, Inc. South Roanoke Lumber Co. Southern Tractor & Equipment, Inc. Standard Tile Co., Inc. T — The Tan-A-Rama Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. Town & Country Motel Coleman Trainor & Co. Coleman Trainor & Co. $-V -$ Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Tred Tobacco Growers Marketing Ass'n. Inc.	16
Rich-Line Mig. Co., Inc	16
Rich-Line Mig. Co., Inc. Richmond Livestock Co., Inc. Richmond Livestock Co., Inc. $-S -$ S. & H. Metal Shop Richmond Livestock Co., Inc. Richmond Livestock Co., Inc. S. & H. Metal Shop Richmond Livestock Co., Inc. Richmond Livestock Co., Inc. Richmond Co., Inc. Shockey Bros., Inc. Shockey Bros., Inc. Richmond Co., Inc. Richmond Co., Inc. Smith Electric Co. Leonard Smith Sheet Metal & Roofing, Inc. South Norfolk Bridge Commission, Inc. South Norfolk Bridge Commission, Inc. South Roanoke Lumber Co. Southern Tractor & Equipment, Inc. South Roanoke Lumber Co., Inc. Total Co., Inc. Total Co., Inc. $-T -$ The Tan-A-Rama Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. $-V -$ Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Yu Yu	16
-S - S. & H. Metal Shop	16
-S - S. & H. Metal Shop	16
S. & H. Metal Shop	10
S. & H. Metal Shop	10
W. D. Sams & Son, Inc. A. M. Savedge Co. Schrader Machine & Welding, Inc. Shockey Bros., Inc. Smith Electric Co. Leonard Smith Sheet Metal & Roofing, Inc. Smithland Farms South Norfolk Bridge Commission, Inc. South Roanoke Lumber Co. Southern Tractor & Equipment, Inc. South Roanoke Lumber Co. South Roanoke Lumber Co.	10
A. M. Savedge Co. Schrader Machine & Welding, Inc. Schrader Bros., Inc. Schrader Schrader Co. South Norfolk Bridge Commission, Inc. South Norfolk Bridge Commission, Inc. South Roanoke Lumber Co. Southern Tractor & Equipment, Inc. South Roanoke Lumber Co. Southern Tractor & Equipment, Inc. Standard Tile Co., Inc. The Tan-A-Rama Traylor Bros., Inc. The Tan-A-Rama Tidewater Glass & Mirror Co., Inc. D. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. $-V - V$ Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Va. Dairy Co., Inc. South-Fried Tobacco Growers Marketing Ass'n. Inc.	14 39 12 16
Standard Tile Co., Inc. — T — The Tan-A-Rama Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. Valley Air Conditioning Corp. Va. Dairy Co., Inc.	39 12 16
Standard Tile Co., Inc. — T — The Tan-A-Rama Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. Valley Air Conditioning Corp. Va. Dairy Co., Inc.	42 46
Standard Tile Co., Inc	12 16
Standard Tile Co., Inc	40
Standard Tile Co., Inc	
Standard Tile Co., Inc. — T — The Tan-A-Rama Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. Valley Air Conditioning Corp. Va. Dairy Co., Inc.	10
Standard Tile Co., Inc. — T — The Tan-A-Rama Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. Valley Air Conditioning Corp. Va. Dairy Co., Inc.	47
Standard Tile Co., Inc. — T — The Tan-A-Rama Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. Valley Air Conditioning Corp. Va. Dairy Co., Inc.	19
Standard Tile Co., Inc. — T — The Tan-A-Rama Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. Valley Air Conditioning Corp. Va. Dairy Co., Inc.	45
— T — The Tan-A-Rama	45
- T The Tan-A-Rama Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. Tibe E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co V Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	4
The Tan-A-Rama Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	
Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. -V- Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	
Taylor Bros., Inc. Tidewater Glass & Mirror Co., Inc. The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. -V- Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	19
The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. -V- Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	16
The E. M. Todd Co., Inc. Q. M. Tomlinson, Inc. Town & Country Motel Coleman Trainor & Co. -V- Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	39
- V - Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	41
- V - Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	39
- V - Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	19
- V - Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	46
Valley Air Conditioning Corp. Va. Dairy Co., Inc. Va. Dark-Fired Tobacco Growers Marketing Ass'n, Inc.	
Va. Dairy Co., Inc	
Va. Dairy Co., Inc	36
Va. Dark-Fired Tobacco Growers Marketing Ass'n. Inc.	11
Ass'n., Inc	
	40
Va. Metal Products. Inc.	41
Va. Packing Co., Inc	40
— W —	
Wampler Foods, Inc	12
Weaver Bros Inc	16
Weddle Plumbing & Heating	45
Wettel Soud Co. Inc.	12
Pour Wheeler Bealty Co	37
Wheeler Saw Co	19
R. Willison Roofing Co.	46
Wilson Heating Co.	47
Wilson Reating Co.	41
Windsor Granary Windsor Supply Corp.	
Windsor Supply Corp.	46
J. D. Wine & Son, Inc.	40
J. B. Wine & Son, Inc. Woodway Stone Co. Harry A. Wright's	40 4
Harry A. Wright's	40 4
- V	40 4
Yoder Dairies	40 40 38 22
Yoder Dairies	4 38 22
Yowell Hardware Co., Inc.	4 38 22 12
	38 22 12

Virginia Green

Yowell Hardware Company, Inc.

"Oldest Mercantile Firm in Culpeper'

Telephone (703) 825-0741 CULPEPER, VA.

"It Pays To Buy In Culpeper"



Manufacturers of movable steel partitions, steel library bookstacks and hollow metal doors and frames . . .

> We are proud that our Movable Steel Partitions were selected for use throughout the Richmond City Hall Building.

Wilson Heating Co.

Heating & Air Conditioning

Commercial – Industrial

Phone 239-1766

9006 Timberlake Road LYNCHBURG, VIRGINIA



The Original Plant Food

We Invite You to Try Ra-Pid-Gro

Just Spray Or Sprinkle It On Everything You Grow !!

If you don't do this, you may be missing the pleasure of seeing your garden the most envied in the Great State of Virginia. When planting trees, roses, flowers or bulbs, soak thoroughly with RA-PID-GRO at the time of planting and then drench the entire plant every ten days for several applications. Use one level teaspoonful RAPID-GRO to each quart of water.

Get RA-PID-GRO From Your Nurseryman or Garden Supply Dealer

RA-PID-GRO CORPORATION Dansville, N. Y. 14437

SMITHLAND FARMS

BREEDERS OF REGISTERED HEREFORD CATTLE BOTH POLLED AND HORNED

Breeding Cattle

For Sale

at All Times

SMITHLAND FARMS RT. 3, HARRISONBURG, VIRGINIA

DR. A. W. GRAVES, Owner LACEY SPRING, VA.

Challenge and opportunity are different aspects of the same phenomenon — change. Change in a company's environment challenges established thinking, methods and products. It creates new opportunities for those who recognize change and act upon it.

By 1980 the shape of society, the economy and technology will have undergone unprecedented change. Along the way the environment in which every industry operates will be affected. The successful company of today must change with the environment if it is to remain successful in the 1970's.

Burlington Industries, the world's largest, most diversified manufacturer of textiles and related products, is a company dedicated to the concept of constructive change.



Virginia Plant Locations—Altavista, Brookneal, Clarksville, Drakes Branch, Dublin, Galax, Glasgow, Halifax, Hillsville, Marion, Radford, Rocky Mount, South Hill, Vinton.