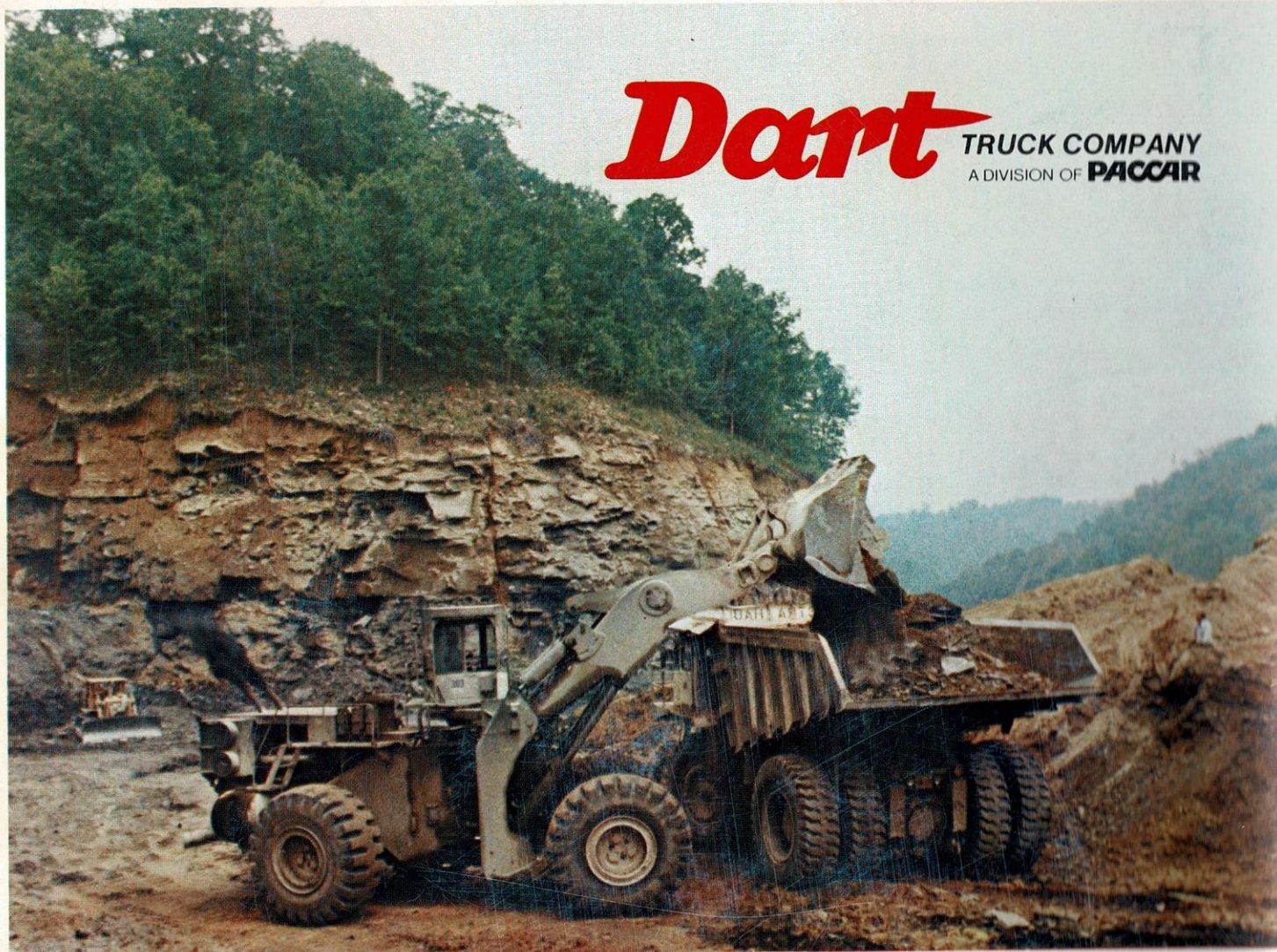


**Dart** TRUCK COMPANY  
A DIVISION OF **PACCAR**



## **We're in the coal business too!**

**LOADING IT; STRIPPING IT; CARRYING IT;**

*Find out how DART trucks and loaders can increase your productivity and lower your costs per ton in moving materials.*

*For specific information how DART 100 ton Trucks and 15 cu. yd. Loaders can lower your costs per ton, contact:*

### **W. Va. Truck Sales, Inc.**

Route 21 North at Edens Fork Interchange of I-77  
Telephone: (304) 342-6141

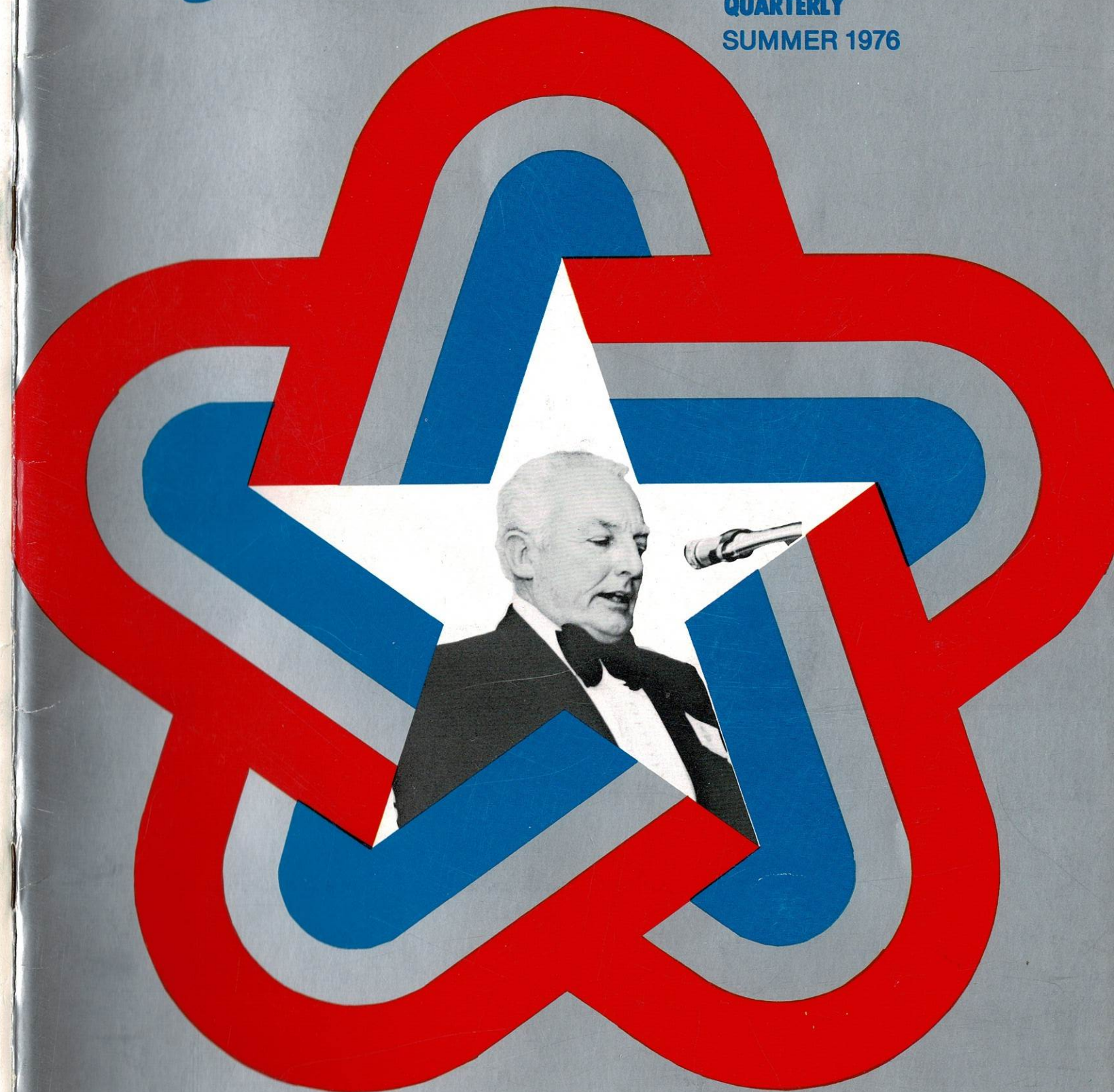
In Grafton, call (304) 265-4000

In Bluefield, call (304) 327-5188  
(Pocahontas Truck Sales, Inc.)

West Virginia Surface Mining & Reclamation Association's

# **Green Lands**

QUARTERLY  
SUMMER 1976



USA: 1776 - 1976

WVSMRA: 1966 - 1976



# All mines are not created equal....



Some are big, some are small. And each one is different. The experts at Flat Top understand that adequate insurance protection is vitally important for all coal mining firms, particularly for small and medium-sized operators whose investments could be wiped out in seconds by a single catastrophe. That's why adequate coverage, planned by coal mining specialists, geared to your individual needs, is essential. At Flat Top we have over three-quarters of a century of mine insurance experience, so you can be sure there will be no loopholes, gaps or costly omissions...that you're not overinsured or underinsured...that your coverage will be updated and revised in accordance with regulatory requirements and technical advances. Moreover, we have our own Claims Department, and our own experienced engineers to help you maintain sound safety standards. No matter how big your mine, whether it's a surface or deep mining operation, we know that every disaster is a major one. Let the experts analyze and execute a complete program of insurance protection tailored to your needs. Call us today.

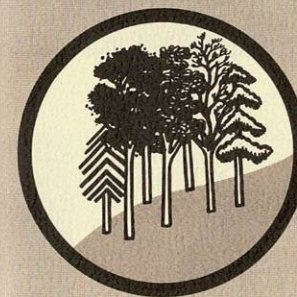
## FLAT TOP INSURANCE AGENCY

P.O. BOX 439, BLUEFIELD, WEST VIRGINIA 24701. Phone (304) 327-6111

Grundy, Virginia (703) 935-2486 • Pearisburg, Virginia (703) 921-1198

Wise, Virginia (703) 328-8828 • Pikeville, Kentucky (606) 432-2109

Knoxville, Tennessee (615) 693-6791 • Lexington, Kentucky (606) 272-7647



Published Quarterly  
by the West Virginia  
Surface Mining and  
Reclamation Association  
1624 Kanawha  
Boulevard East  
Charleston, W. Va.

**PRESIDENT**  
BEN E. LUSK

**CHAIRMAN OF THE BOARD**  
H. L. KENNEDY

**1ST VICE-PRESIDENT**  
ROY LOCKARD

**2ND VICE-PRESIDENT**  
WILLIAM J. TATTERSALL

**SECRETARY**  
FRANK D. JENNINGS

**TREASURER**  
G. B. FREDERICK

**CHAIRMAN-ASSOCIATE DIVISION**  
BERNARD J. FOLIO

**DIRECTORS**  
E. B. BASHAM  
JOHN FALTIS  
C. E. COMPTON  
LONNIE ELLISON  
V. N. GREEN  
L. W. HAMILTON, JR.  
JAMES H. HARLESS  
C. I. JOHNSTON  
CHARLES T. JONES  
JAMES C. JUSTICE  
ROBERT C. LONG  
F. B. NUTTER, SR.  
DUANE C. SNYDER  
GARNIE STIDHAM  
FRANK VIGNEAULT

**EDITOR**  
BEN E. LUSK

**ASSISTANT EDITOR**  
DANIEL R. GERKIN

**ADVERTISING DIRECTOR**  
TERRY L. IDEN

**COPY EDITOR**  
CINDY JENNINGS

**STAFF WRITERS**  
JEFF MAGGIED  
RICHARD BETO

West Virginia Surface Mining & Reclamation Association's

# Green Lands

QUARTERLY

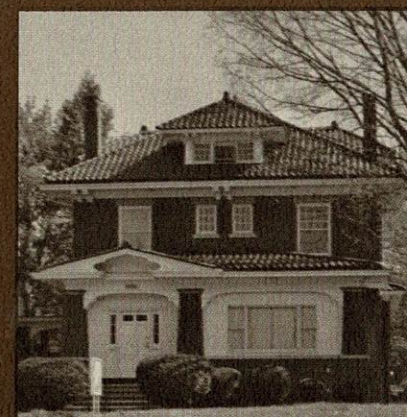
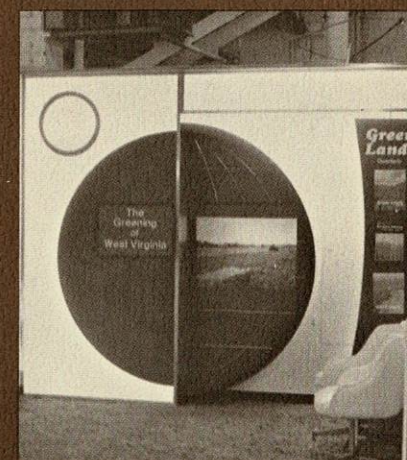
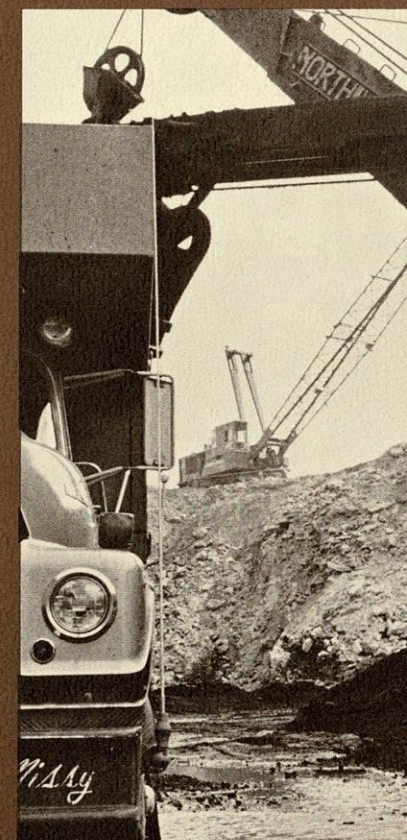
Summer 1976

Volume 6 Number 3

Summer 1976

## Contents

WVSMRA Past Presidents .....	2
WVSMRA: 1966-76 .....	3
Kennedy Directs Progress During 10th Anniversary Year .....	14
DNR & Industry Cooperation Keys Progress .....	21
Tenth Anniversary Program .....	27
Thank You Patty Bruce! .....	34
A Decade of Change .....	36
Youth, Experience Typify Association Staff .....	44
Water Lab Relocates .....	49
WVSMRA Congratulates America .....	56



## ABOUT THE COVER

During America's Bicentennial the West Virginia Surface Mining and Reclamation Association is celebrating its tenth anniversary under the leadership of Board Chairman H. L. Kennedy.



## WVSMRA PAST PRESIDENTS



F. B. Nutter, Sr., 1967-68



Arch F. Sandy, Jr., 1968-69



John C. Anderson, 1969-70



G. B. Frederick, 1970-72



James L. Wilkinson, 1972-73



L. W. Hamilton, Jr., 1973-74

### FIRST WVSMRA BOARD OF DIRECTORS, 1966-67



## WVSMRA . . . 1966 - 1976

On March 22, 1966, a newly formed organization known as the West Virginia Surface Mine Institute opened a small office in the Kanawha Valley Building in Charleston, West Virginia. Representing about 20 companies engaged in surface coal mining around the state, the group's initial goal was to help promote the welfare and interests of its industry by whatever means possible.

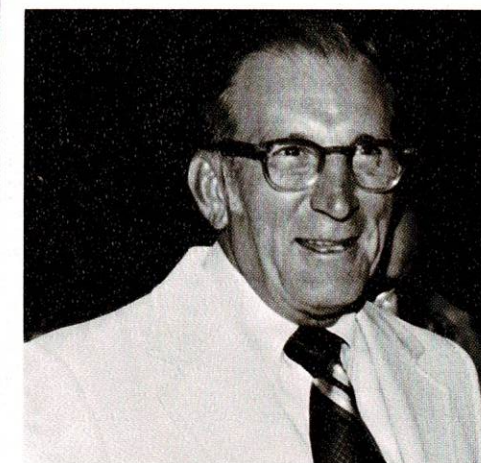
Prior to 1966, there were smaller surface mining groups in the northern and southern portions of the state. The establishment of the Institute culminated several years of efforts by far-sighted individuals who realized that strength and development during the trying times ahead would accompany unification. The Institute's first officers were Leo Vecellio, President; James L. Wilkinson, First Vice-President; F. B. Nutter, Sr., Second Vice President; Arch F. Sandy, Jr., Secretary; and G. B. Frederick, Treasurer. O. V. Vande Linde, Jr. was named Executive Director and Mrs. Patricia Bruce was hired as office secretary.

Following the initial organizational decisions, the officers prepared a charter and bylaws for consideration by the Board. All recommendations were approved and filed with the Secretary of State's office. At this time, the group's name was changed to the West Virginia Surface Mine Association.

A June 17th meeting at Bridgeport completed the formative stages of the new Association and work began on program development. After only four months, the membership had grown to 46 companies, representing over one-half, or nine million tons of the state's surface mine production. With this strong base to work from, the organization began soliciting associate members, or businesses that had a strong interest in the surface mining industry.

The first general membership meeting was held July 29-30, 1966, at the Daniel Boone Hotel in Charleston. Association President Leo Vecellio addressed the group reviewing the growth and progress of the group during the first four months. Topics of interest at the meeting included the membership drive, the coming political campaign, the current surface mine law and rumors that the surface mine law would be revised or rewritten during the 1967 session of the West Virginia Legislature.

The WVSMRA was extremely active in revision of the law, which was the basis of what is still considered the most comprehensive state surface mining law in the country. Early in 1968, the Board voted to become involved in a research project that would help member companies comply with the stringent requirements of the law. The tripartite agreement between the U.S. Forest Service, the Department of Natural Resources and the Association is still in effect and helping surface miners achieve higher standards of reclamation through improved revegetation techniques.



Leo Vecellio, Sr.  
First WVSMRA President

### First Board of Directors — 1966-67

Leo Vecellio  
Vecellio & Grogan, Inc.  
James L. Wilkinson  
Kingwood Mining Company  
F. B. Nutter, Sr.  
Mynu Coals, Inc.  
Arch F. Sandy, Jr.  
Grafton Coal Company  
G. B. Frederick  
Capitol Fuels, Inc.  
Milford Jenkins  
Mary Ruth Corporation  
Sherwood E. Sparks  
Sparks Coal Company, Inc.  
Roy S. Long  
Hawks Nest Mining Company  
J. Wade Bell  
Lafayette Springs Coal Company  
Ike Lewis  
Sugar Creek Corporation  
Harry L. Phillips  
Princeton Coal Sales, Inc.  
John K. Turner  
Premco Corporation  
L. C. Basham  
H. R. Anderson Company  
Jack Baldini  
Wesgin Mining Company, Inc.  
James D. LaRosa  
LaRosa Fuel Company, Inc.  
Frank C. Boggess  
West Virginia Truck Sales, Inc.  
Orville R. Thomas  
Wright-Thomas Equipment Company  
Ed Wode  
Cecil I. Walker Machinery Company



# Twenty Companies Start New Association



Increasing importance was being placed on improving reclamation practices by 1969. The industry-funded Special Reclamation Program was in full swing, working to eliminate the scars of abandoned surface mines, and the WV SMA had initiated a closer relationship with the Soil Conservation Service. Also at this time, staff offices were moved to 1115 Virginia Street, in order to provide space for the growing organization and Mary Ann Steele was hired as Bookkeeper.

Mounting pressure faced the fledgling organization in 1970, as the environmental movement steadily gained momentum. Several groups espousing total abolition of surface mining had become extremely vocal, with a showdown vowed for the coming legislative session. The movement gained added stimulus in December of 1970, when gubernatorial candidate Jay Rockefeller announced that he also would support abolition. The 1971 Legislature proved to be a sixty-day struggle for the survival of the industry. An abolition bill actually went to the floor of the House of Delegates for a vote, where it was defeated by a narrow margin. However, legislative compromise led to a revision of the Surface Mining and Reclamation Act, as well as the rules and regulations, which would later have a devastating economic impact on the industry.

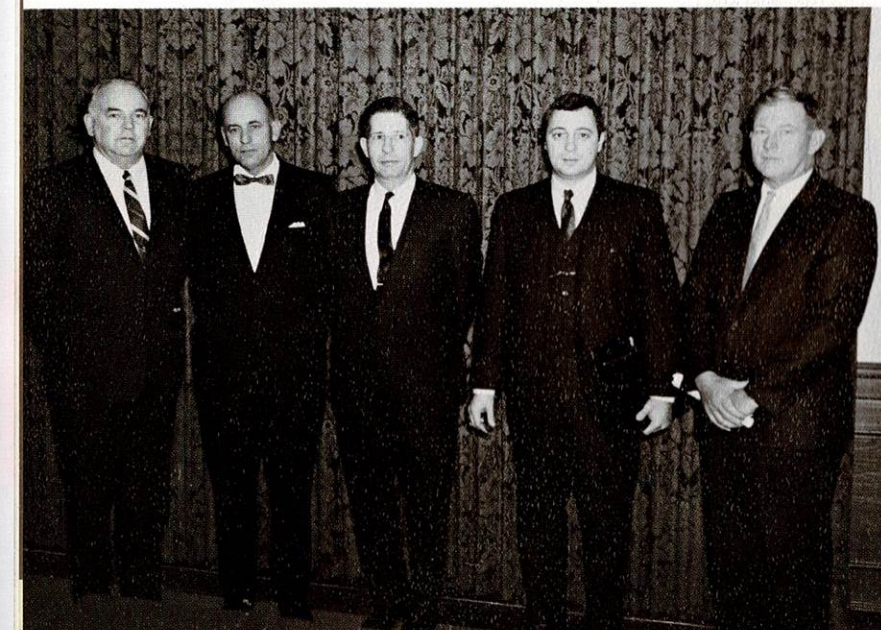
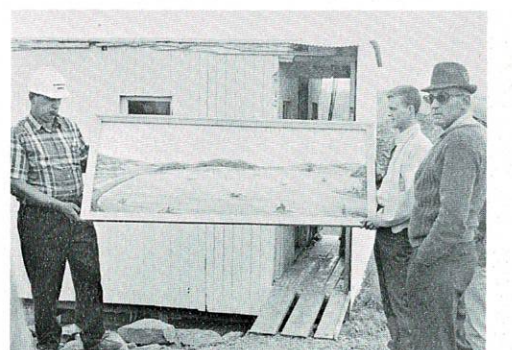
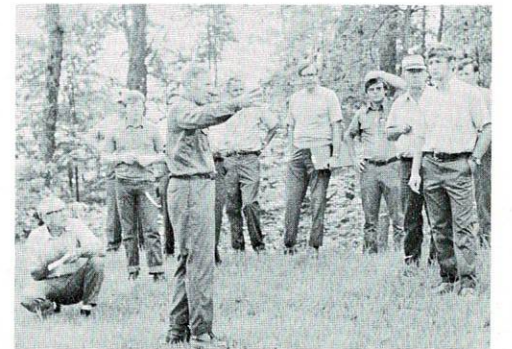
Ben E. Lusk was hired as Assistant Director in May, 1971, and immediately implemented an extensive program designed to improve the image of surface mining. Lusk's straightforward approach included establishing credibility with the news media and a community relations, publicity and an advertising program that went directly to the people of West Virginia. The program included the production of a film and slide presentations about mining and reclamation advancements. Other features included: press tours to reclamation areas; a speaker's bureau, which gave presentations to schools, civic and other organizations; publishing of brochures and booklets concerning the industry, as well as radio, television and newspaper advertising.

The movie "Greening of Augusta," which explored the reclamation efforts of surface mine operators, was produced and aired on every television station in West Virginia in both October and January. In addition, *Green Lands Quarterly*, the official publication of the WV SMA, was initiated to serve as an effective communications and technical tool for members of industry, Congress, the Legislature, press and other organizations nationwide.

It was also during this time that the Surface Miner's Auxiliary reached its peak of activity. Under the helpful direction of Ethel Strange, Vivian Dennison, Vivian Garland, Norma Craddock, Joyce Massie and others, the Auxiliary sponsored marches on the Capitol, membership drives, bake sales, built floats and displays for various parades and fairs and generally stood up for the industry throughout the state.

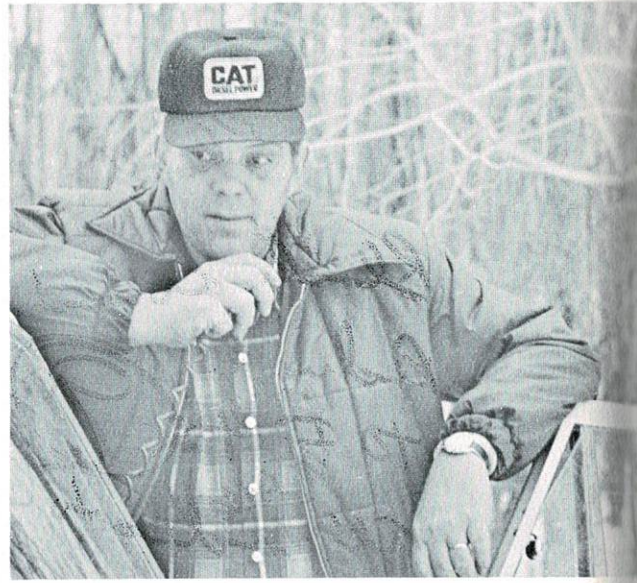
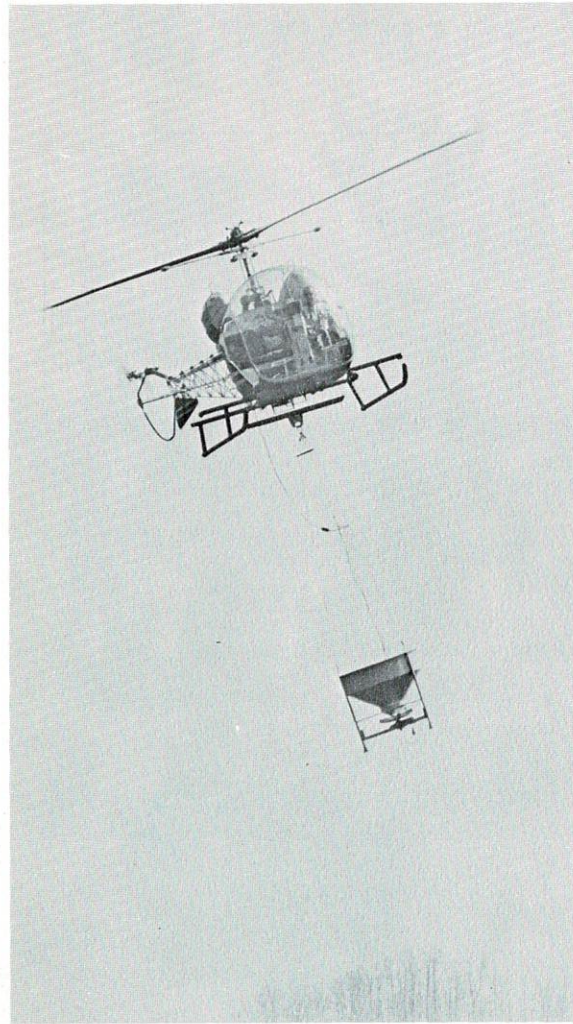
By mid 1971, Dan Gerkin had joined the staff as News and Information Director and the organization had changed its name to the West Virginia Surface Mining and Reclamation Association. The group represented nearly 200 companies at this time, with members producing approximately 70 percent of the state's surface mined coal. On July 15th, staff offices were relocated at 1033 Quarrier Street to accommodate the growing staff. An office was also opened in Bridgeport for use by technical personnel and the Ladies Auxiliary.

In early 1972, the impact of the tough new surface mining law began to take its toll, as production fell for the third





## *WVSMRA Initiates Research Programs*

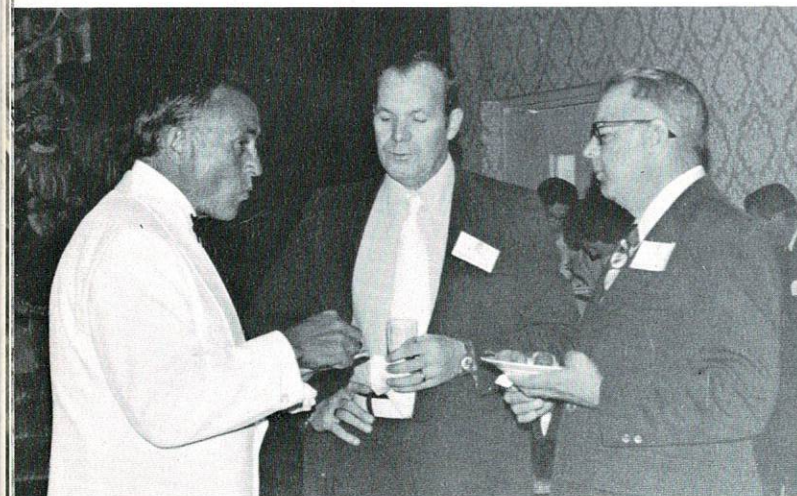
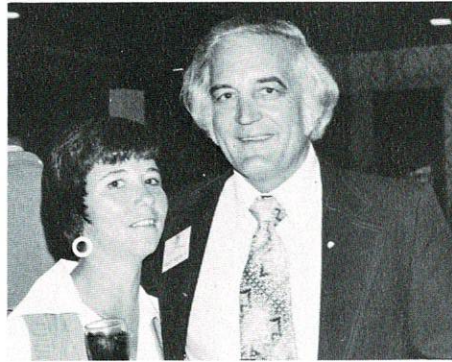
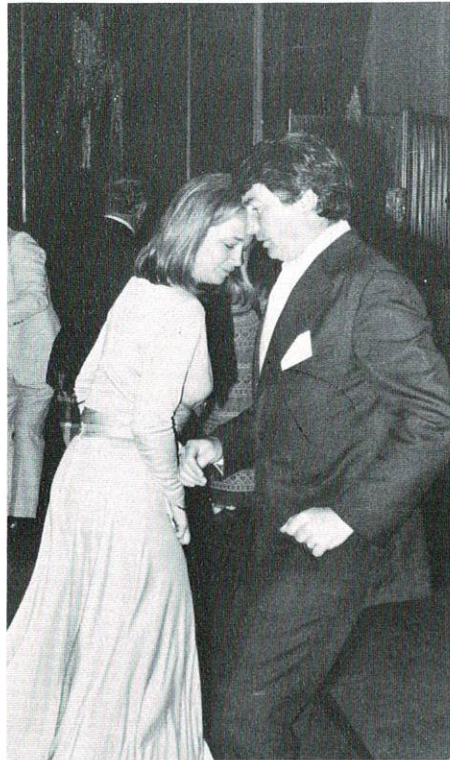


*...New Technology Highlights Early 70's*





# . . . Conventions, meetings, etc.



straight year and many smaller companies went out of business. However, bright spots included the continued increase in membership (235 companies) and the unquestioned establishment of West Virginia as the nation's leader in reclamation. Mountain State operators reclaimed over 27,000 acres in 1972, which was over 14,000 acres more than second place Kentucky. Ranking only sixth in surface mine production nationwide, West Virginia owed a growing portion of its progress to the Special Reclamation Fund, which restored over 3,400 acres that year. Realizing these and other advances by the industry, the Legislature refused to change the law or pass additional restrictive legislation. Of course, November of 1972 saw the reelection of Arch A. Moore, Jr. as Governor and a new positive era for surface mining in West Virginia.

At the semi-annual meeting in February, 1973, the Board accepted the resignation of O. V. Vande Linde and named Ben Lusk Executive Director.

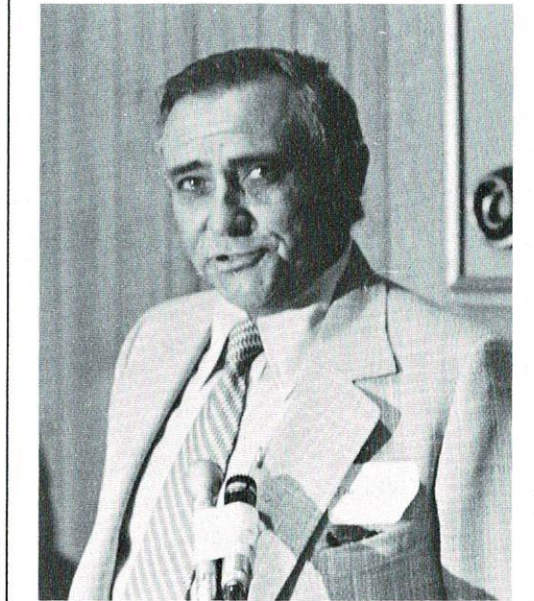
With political and radical environmental pressures in the background, the Association returned its emphasis to improving technology and promoting the welfare of its members. By 1973, reclamation research projects with the U.S. Forest Service, the Soil Conservation Service and West Virginia University had made revegetation of surface mined land a new science and these on-going programs were improving reclamation efforts each day. The WVSMRA established its own West Virginia Applied Research Institute for the coordination and establishment of even more research projects.

Also, during that year, coal operators began seeking improved methods of mining in order to better comply with tough new requirements of the Department of Natural Resources. As a result, the haulback, or lateral movement, method was developed and other new methods perfected including: mountaintop removal and valley fill, boxcut, modified block cut and highwall elimination.

Continuing its emphasis on improving mining and reclamation technology, the Association sought and received the first U.S. Environmental Protection Agency grant ever presented to a private state coal organization in July, 1973. The \$2 million grant entitled, "New Mining Methods to Minimize Environmental Disturbance," was a 65-35 cost sharing project designed to study the feasibility of "Longwall Stripping." Basically, this concept is utilizing a modified longwall system to recover coal at shallow depths, with a minimum amount of land disturbance. Terry L. Iden joined the staff in October that year, taking over responsibility for advertising and membership services.

The WVSMRA conducted its first West Virginia Surface Mining Symposium in January, 1974, highlighting the recent development of new surface mining methods and June brought the implementation of a major structural reorganization. The Board elected Ben Lusk as permanent President of the Association, with a Chairman to be elected from the Board each year. The move was made to give Lusk more flexibility as the spokesman of the industry in dealing with the news media and other day-to-day business of the organization.

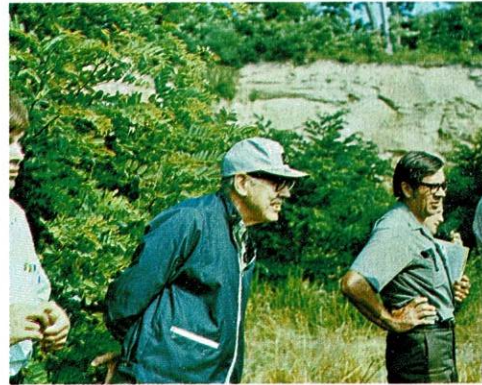
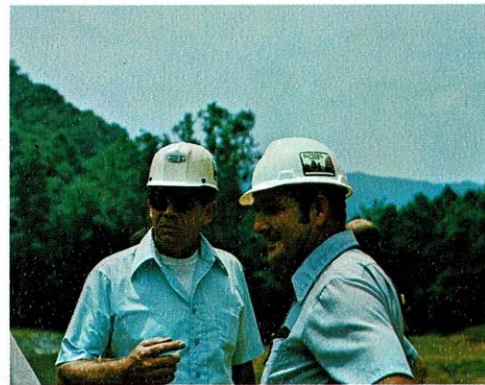
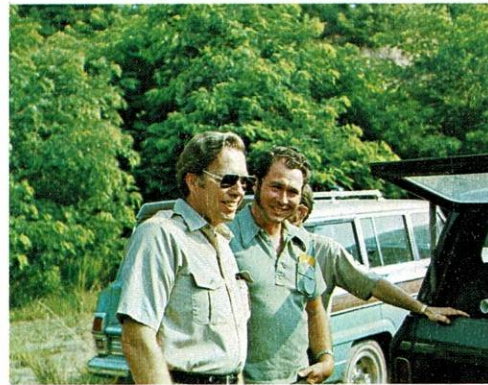
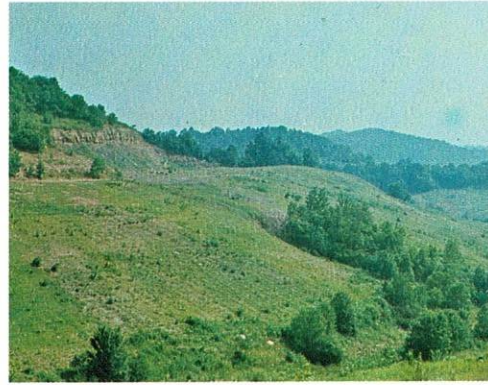
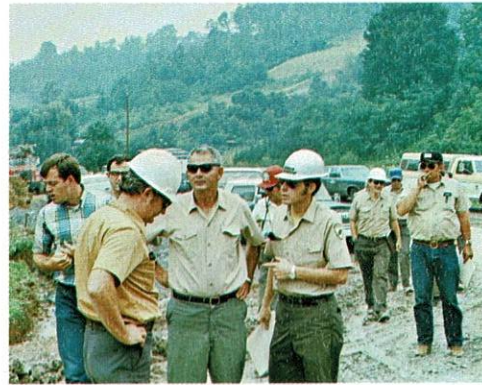
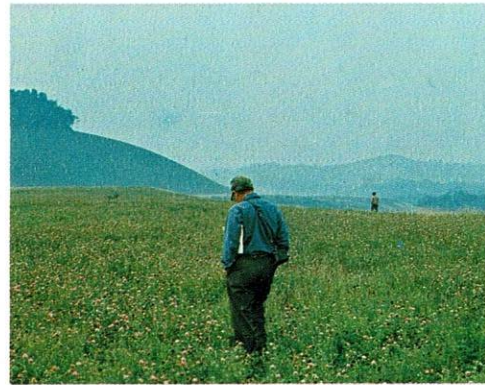
In the fall of 1974, the Association initiated a Technical Services Division to assist member companies with surface mining permits required by the Department of Natural Resources. John W. Sturm, hired as Technical Services Director, authored and published the booklet, "Procedure for



*James C. Justice was named first WVSMRA Chairman of the Board in 1974 after a structural reorganization.*



. . . *The Changing Industry*





Obtaining a Surface Mining Permit in West Virginia." In addition, an Environmental Quality Control Laboratory was set-up in Beckley to run water analysis required by both state and federal agencies. Also, in October, William L. Piper was selected as Project Engineer for the "Longwall Stripping" project, and in ceremonies at the Capitol, Governor Moore publicly announced that the project would be located at Julian, in Boone County, on property owned by the American Electric Power Company.

Due to its great expansion, the Association found it necessary to establish permanent headquarters. In December, 1974, the offices were moved to 1624 Kanawha Boulevard, East, giving the staff and members easy access to the State Capitol and Department of Natural Resources. The headquarters presently house the administrative, public relations and technical services, as well as the Environmental Quality Control Lab.

In April 1975, the first International Mining and Reclamation Conference to Dusseldorf, West Germany, was held. The Conference proved extremely successful and gave the 200 participants, including both members and other coal industry representatives, the opportunity to explore and compare mining and reclamation technology in other parts of the world.

Cindy Jennings joined the staff as News and Information Director in June, just as the WVSMRA received its second EPA grant. Entitled "The Environmental Impact of Steep Slope Mining," the grant is designed to monitor the environmental impact of a relatively new surface mining technique now being utilized on steep slope operations in West Virginia. In the fall, the Association joined with the Department of Natural Resources and the Ruffed Grouse Society of North America to form a tripartite agreement for reclamation and conservation research. Named the "Jim Wilkinson Memorial Tripartite Research Development Project," this program is researching effective woodland and wildlife reclamation procedures.



The first half of 1976 has also proven productive for the Association. For the fifth straight year, the Legislature did not change the surface mining law and the Technical Committee has worked diligently to avoid unnecessary changes in the Rules and Regulations. The second International Mining and Reclamation Conference, to Warsaw, Poland in April, proved every bit as successful as the first and the West Virginia Applied Research Institute is continuing its efforts to obtain a large research grant from the Bureau of Mines to study cross-ridge mining.

Future plans include a western coal symposium in August, a third international conference and increased technical services for the membership, which has now reached over 250 companies. The staff has grown from its original two persons to twenty-seven, which includes miners and research field personnel. The Association offers a full range of services, including: administrative, legislative, promotional, communications, publicity, advertising, community and press relations, technical services, research, as well as meetings, conventions and tours that make the WVSMRA the most well-rounded and effective state surface mining organization in the country.

During its ten years of service to the industry, the Association has made great progress in virtually every area of activity, and will continue to do so in the future. However, it should be noted that none of these successes would have been won without the tremendous support and sincere dedication of its member companies. Open-minded individuals, willing to change, with the ability to prosper in the good times and survive the bad times, have laid a strong foundation for this organization and guarantee its prosperity in the future.

*For 10 years the WVSMRA served its industry well and is prepared for the challenges of the next decade.*



1974 Executive Committee inspects a model of the EPA Longwall Project following the Governor's announcement of its location at Julian, Boone County.



# Kennedy Directs Progress During 10th Anniversary Year

In reviewing the Association's first decade of progress, the name of the present Chairman of the Board is not listed with the founding fathers, nor is he a charter member of the Board. However, H. L. "Mike" Kennedy may very well be responsible for one of the most important legal decisions in the history of surface mining in West Virginia.

Kennedy is a small independent operator, who became the central figure in the highly controversial "Laurel Run" case in the summer of 1971. The dispute began when several interest groups in the Morgantown area tried to stop Kennedy from mining a small 42-acre plot of farmland that bordered Cooper's Rock State Forest in Preston County. During that period, surface mining was already a hot issue on a statewide level, which quickly added fuel to the emotional fire of Laurel Run.

Following constant pressure from environmental groups, student marchers and the news media, the permit was finally revoked by the state for "aesthetic" reasons. Kennedy immediately filed suit and took his case before the Reclamation Board of Review on July 20, 1971. His case was built around the evidence that he had fulfilled all the requirements of the state surface mining law and therefore, the land would be properly reclaimed. The state argued that Mr. Kennedy could not maintain the requirements of the permit and that permanent damage from the operation was unavoidable. However, the important question was whether or not public pressure, based on aesthetic values, could shutdown a perfectly legal surface mining operation.

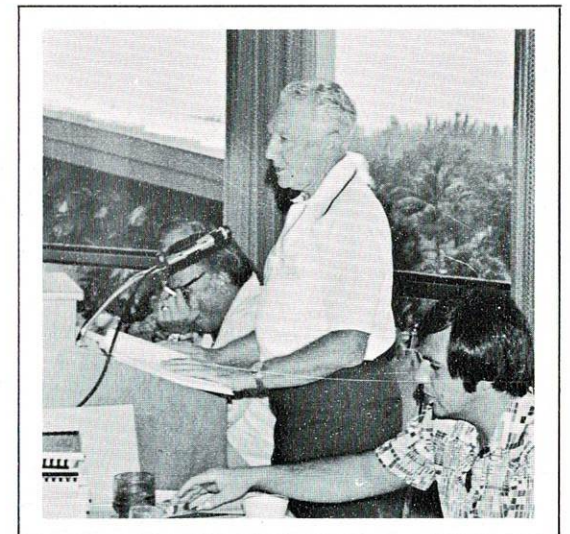
After three weeks of deliberation, the Board directed the Department of Natural Resources to reinstate the permit, and the rest is now history. By April, 1973, Kennedy had mined over 100,000 tons of coal and completed reclamation on the entire 42-acre tract.

The Laurel Run controversy is over, but its lasting importance to the coal industry in West Virginia is obvious. We can only guess at the impact on the industry today, if the Board of Review had set the dangerous precedent of prohibiting surface mining for aesthetic reasons. The coal industry is truly fortunate that Mike Kennedy is a man of his convictions, who had the courage to stand up against the odds and fight for what he knew was right.

In the past four years, Kennedy has also made his mark on the West Virginia Surface Mining and Reclamation Association. He applied for membership following the Laurel Run decision in 1971, and only two years later became a member of the Board of Directors for a three-year term. He served on the Board for one year before being elevated to First Vice-Chairman, and then in June, 1975, he was elected WVSMRA Chairman of the Board. As a member, Mike and Hazel, his charming wife of 41 years, have been totally active and have participated in almost every function sponsored by the Association.

Under Kennedy's direction, the Board has been one of the most active in history, meeting almost monthly, which has helped to make the Association's tenth year a most progressive one. Highlights of 1975-76 include:

- initiation of the Jim Wilkinson Memorial Wildlife Project
- the Association's second one-day conference in Beckley
- participation in the U. S. Coal Festival in Beckley
- acquisition of an atomic absorption unit for the water lab
- construction of a display for the West Virginia Industrial and Mining Show in Charleston



*H. L. Kennedy  
Chairman of the Board  
1975 - 1976*





- initiation of the first "Coal Man of the Year Award," which honored C. E. Compton in Morgantown
- development of a new ad campaign urging people to "back the energy team"
- the third annual West Virginia Surface Mining Symposium in Charleston
- no legislation with a great negative impact on surface mining passed the Legislature
- a new dues structure was approved by the membership to offset rising costs
- the Environmental Quality Control Lab was moved from Beckley to Charleston
- the second International Mining and Reclamation Conference traveled to Poland
- the initiation of a new Special Membership Division
- efforts by the Technical Services Division to develop reasonable rules and regulations for surface mining.

If you want it green

# Call Willco

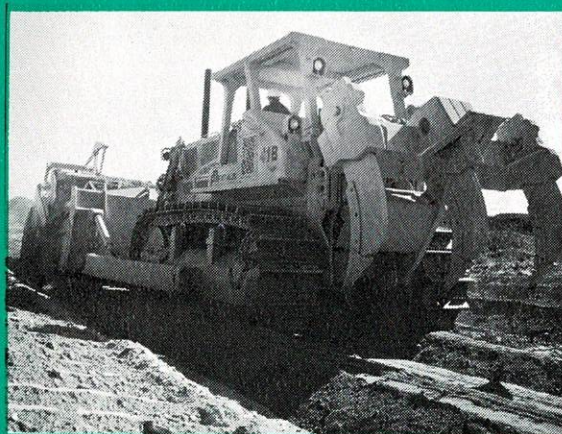
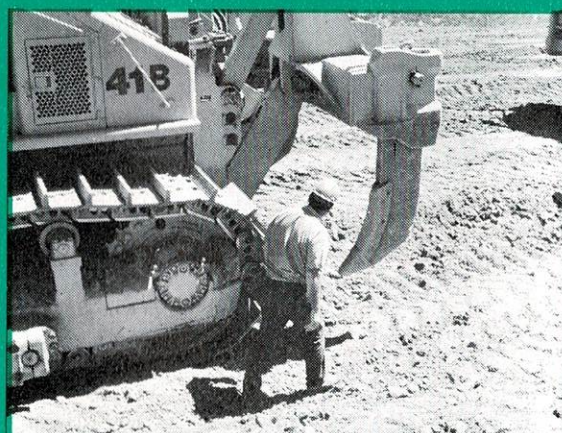
Reclamation and Hydroseeding • Landscape Seeding  
Erosion Control



Ed Williams, President

# WILLCO RECLAMATION, INC.

303 Irish St. — Summersville — 304 / 872-2287



# 41-B...over 3 million hours on-the-job

## Listen to the owners who came to the performance center

We're using 524 flywheel hp 41-B's equipped with modified parallelogram 41-R rippers. Carrying a single shank, they are a favorable cost per yard alternate to drilling and blasting in material having seismic readings between 7,500 and 12,000 ft./sec.

**It extends the whole horizon of equipment application.** Rips where nothing could rip before. Extends economical dozing distance well into the short end of the scraper range. Single pushes the largest available scrapers.

**They will outpush anything** on the market today without question. If these units weren't producing at a lower cost per yard than tandem pushers, we wouldn't be using five 41-B's in our operation.

**We replaced two smaller tractors with the 41-B,** maintained our reclamation pace and reduced costs nearly 50%. Production averages better than 1,200 cu. yds. per hour over a 50 ft. distance... 2.5 million cu. yds. per year.

# FIAT-ALLIS

come to the performance center



Patrick St. & N. Y. C. R. R., Charleston, W. Va.  
PHONE 346-5301\*

\*For the convenience of our out-of-town customers  
Dial 800—642-8245 (Toll Free)

Branch: Milford Street Ext., Clarksburg, W. Va.  
PHONE 624-7511



Uniquely Qualified.

**MCDONOUGH  
CAPERTON  
SHEPHERD  
GOLDSMITH**

**NUMBER ONE IN INSURANCE**

## Dawn of the NEW Model **TM6** Portadrill Rotary Blast Hole Drill

**With:**

- Improved ruggedness and dependability.
- Increased operator comfort.
- Easier operation.
- Remote carrier drive.
- Caterpillar diesel power.
- Sullair rotary screw compressor.
- 40,000 lbs. pulldown.

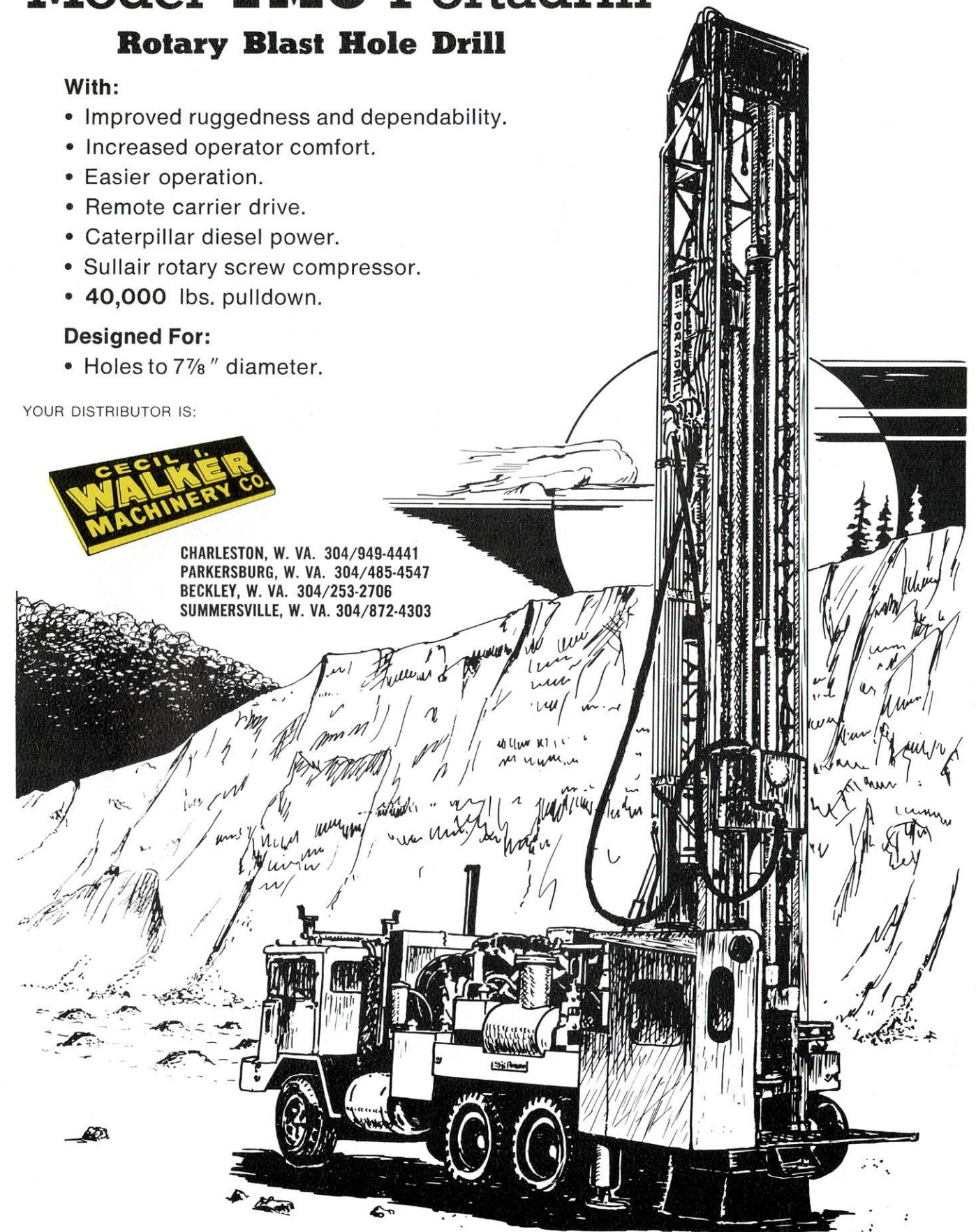
**Designed For:**

- Holes to 7 $\frac{7}{8}$ " diameter.

YOUR DISTRIBUTOR IS:



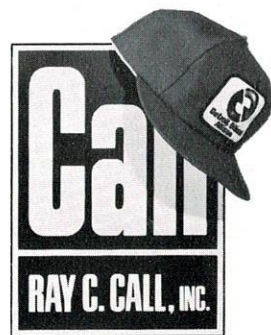
CHARLESTON, W. VA. 304/949-4441  
PARKERSBURG, W. VA. 304/485-4547  
BECKLEY, W. VA. 304/253-2706  
SUMMERSVILLE, W. VA. 304/872-4303



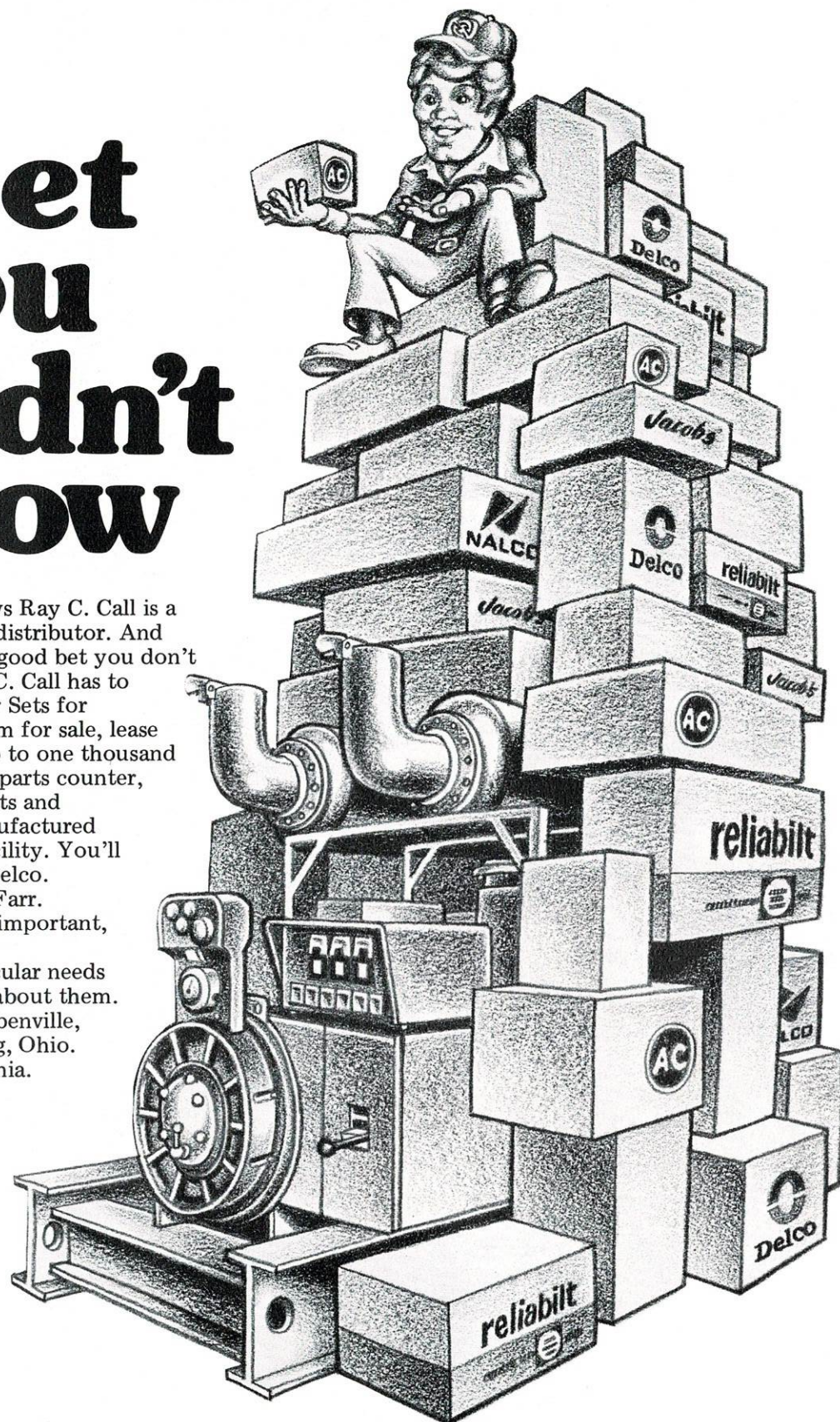


# Bet you didn't know

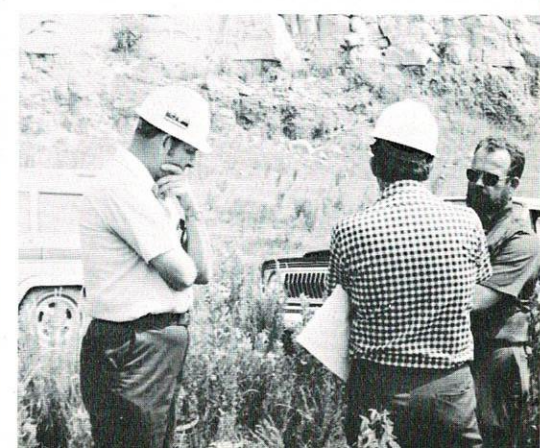
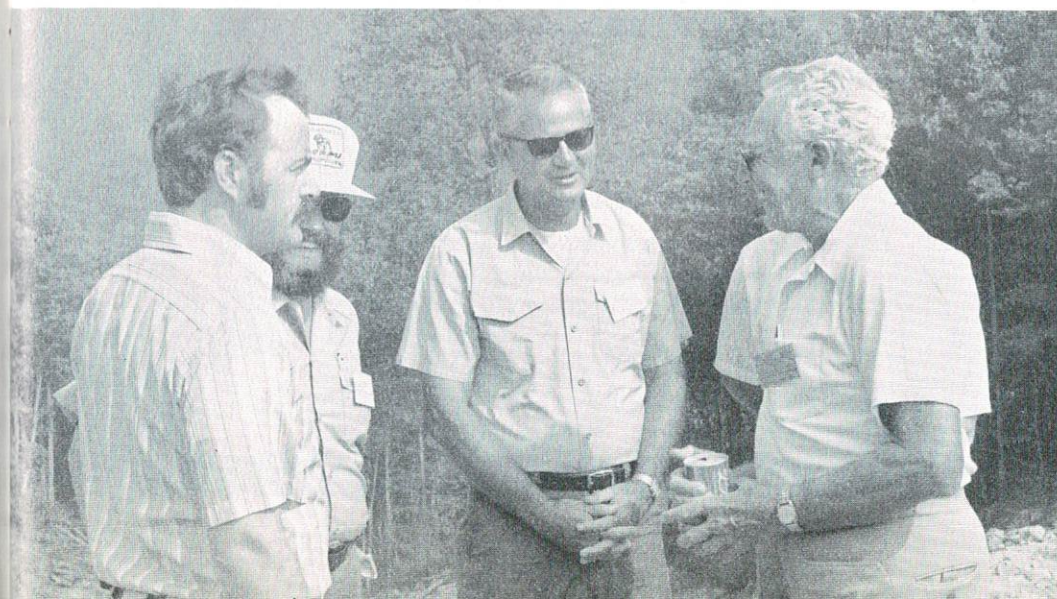
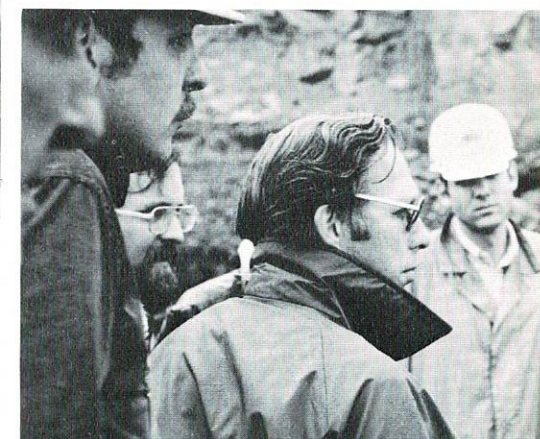
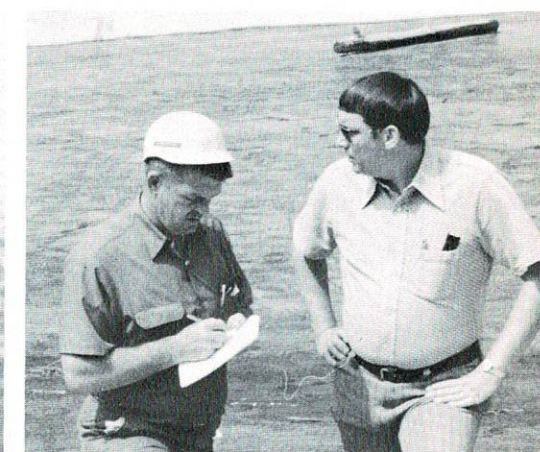
Almost everyone knows Ray C. Call is a Detroit Diesel Allison distributor. And a good one. But, it's a good bet you don't know everything Ray C. Call has to offer. Diesel Generator Sets for example. We build them for sale, lease or rent. All the way up to one thousand K.W. Then, across our parts counter, you'll find reliabilt parts and transmissions — remanufactured in our own modern facility. You'll find names like A.C. Delco. Jake Brakes. Nalcool. Farr. Donaldson. But, most important, you'll find people who understand your particular needs and know what to do about them. At Ray C. Call in Steubenville, Marietta, and Strasburg, Ohio. Charleston, West Virginia. Grundy, Virginia.



something to  
hang your  
hat on

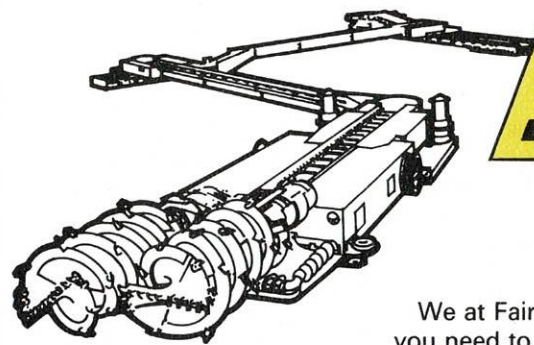


## *DNR and Industry Cooperation Keys Progress*

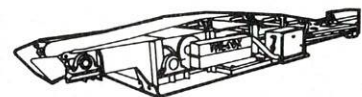




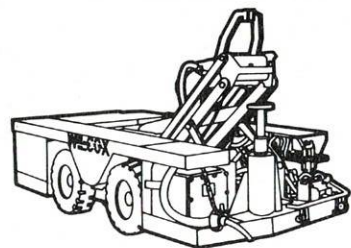
# Everything you need to operate your mine!



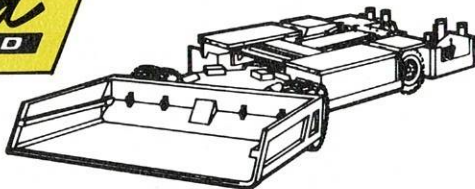
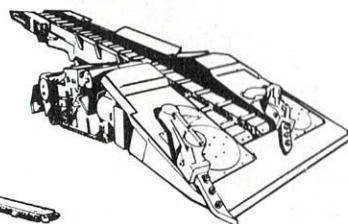
Wilcox Continuous Mining Systems



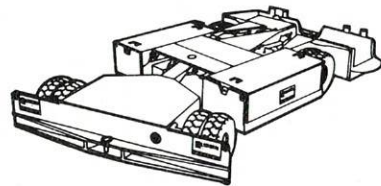
Wilcox Belt Conveyors



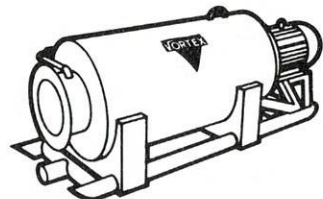
Wilcox Low-Profile Roof Bolters



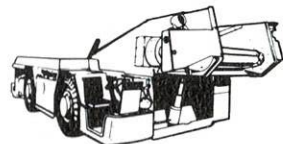
Elkhorn Battery-Powered Scoops



Elkhorn Coal-Trac Tractors



Vortex Separator Dust Control Equipment



We at Fairchild can provide everything you need to operate your mine:

- Wilcox continuous miners
- Wilcox bridge and advance conveyors
- Wilcox lo-low belt conveyors
- Wilcox flex-a-flo rope belt conveyors
- Wilcox roof bolters
- Elkhorn battery-powered scoops
- Elkhorn battery-powered tractors
- Elkhorn battery-powered personnel carriers
- Elkhorn portable hydraulic rock dusters
- Elkhorn batteries, chargers, all auxiliary equipment
- Vortex Separator dust control equipment

Fairchild Equipment Division offers one of the world's largest inventories of quality new and remanufactured underground and surface mining equipment — loading machines, cutting machines, battery equipment, drills, belt feeders, continuous miners, shuttle cars, belt conveyors, preparation equipment, fans, chain conveyors, locomotives, mine cars, continuous haulage systems, air pollution equipment and reclamation equipment.

*Call Fairchild today for the finest in underground and surface mining equipment with the best service found in the industry.*



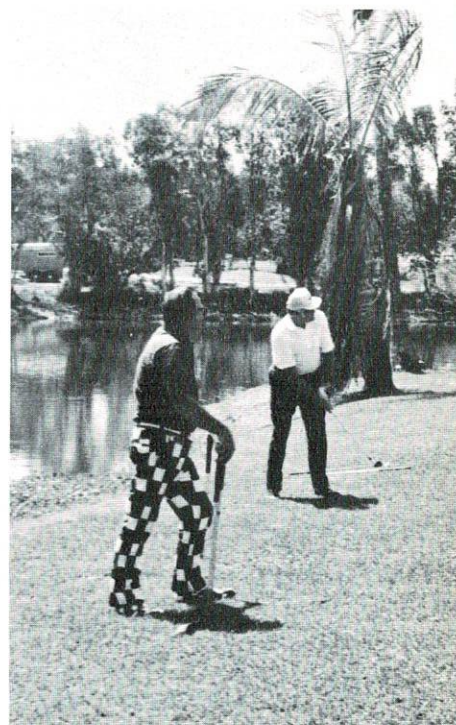
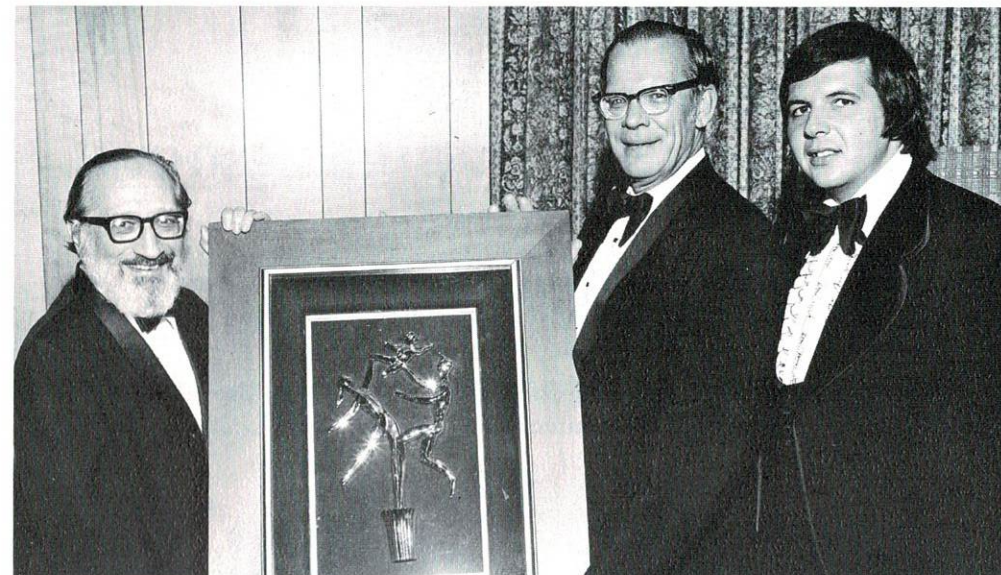
FAIRCHILD EQUIPMENT DIVISION  
WILCOX MANUFACTURING DIVISION  
PEMBROKE MANUFACTURING DIVISION  
VORTEX AIR CORPORATION (subsidiary)

RT. 19-21 BY-PASS, P.O. BOX 1184, BECKLEY, W V 25801 • (304) 252-7321

Marketing agents for Control Products Inc.—Underground Lighting Systems.

Marketing agent for Elkhorn Industrial Products Corporation—manufacturers of the most complete line of scoops since 1964.

## "Ten Years of Progress"





Up to 35,000  
lbs. capacity to  
7 7/8-inch hole  
soft to medium  
formation.  
6 3/4-inch hole  
hard formations

DUST  
SUPPRESSION  
Rotocloner #8  
5 H.P. Pump -  
200 Gal. Water  
Injection Tank.

STEM HANDLING  
Carousel w/automatic  
indexing. Five 25 foot  
stems. Casing tong  
w/hydraulic cylinder  
breakout.

TOP ROTARY DRIVE  
52,000 in./lbs. torque.  
0-135 RPM.

**FACT**

**Our new Stonekiller I  
blast hole drill  
has exceeded  
performance  
expectations...  
and it is available now!**

Reed Tool Co., pioneer in drilling tools for energy, has  
joined with Rish to bring you the best know-how in the  
drilling business.

If you're looking for a blast hole drill in Stonekiller I's  
size, please contact your nearest Rish location.



POWER  
Cummins  
NT855-P335.  
335 BHP @2100  
RPM.

MOUNTING:  
Crane Carrier;  
44,000 lb. tan-  
dem, 18,000 lb.  
front.



## THE ISLAND CREEK COMMITMENT

To mine the earth with respect,  
taking from it  
The energy that moves and lights a nation,  
while keeping faith  
With the safety and dignity of miners  
and the spirit  
Of our mining heritage.

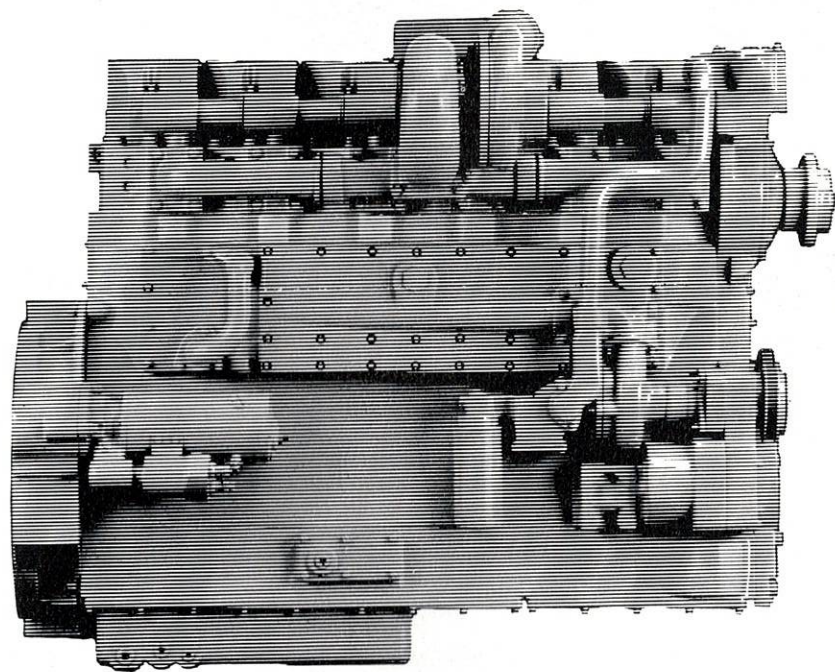
ISLAND CREEK COAL COMPANY

**Rish** **It's them. Or us.**  
**EQUIPMENT COMPANY**

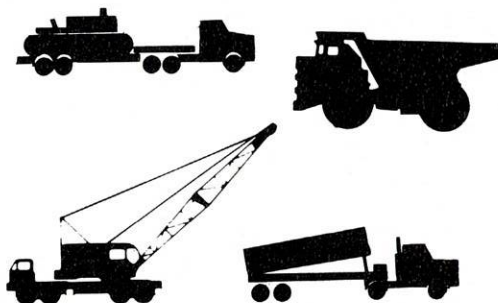
HOPEDALE, OHIO COLUMBUS, OHIO TOLEDO, OHIO CLEVELAND, OHIO  
YOUNGSTOWN, OHIO SHARONVILLE, OHIO PARKERSBURG, W. VA.



# Cummins KT-1150-C



**Brute power,  
dependability,  
and  
performance.**



For tough construction jobs demanding high horsepower and reliability at the Lowest Total Cost, specify the Cummins KT-1150-C.

The KT-1150-C and the aftercooled KTA-1150-C are compact power packages. They deliver from 450 to 600 HP, but have nearly the same external dimensions as the Cummins 855 series engines. Fuel economy is superior to other diesels in the same power range. And the K's gear-driven accessories and individual cylinder heads keep maintenance costs to a minimum.

The KT-1150-C and KTA-1150-C are available in a wide range of construction equipment, from on-and-off highway trucks to backhoes.

Whether you're repowering existing equipment or buying new, see our engine experts. We'll show you how the KT-1150-C can give you the competitive edge in performance.



**Cummins  
Engines of  
West  
Virginia, Inc.**

Charleston  
Clarksburg

304-744-6373  
304-623-6676

**Charleston Ordnance Center**  
**P. O. Box 8456 - Phone 304-744-6373**  
**SOUTH CHARLESTON, W. VA. 25303**

## *10th Anniversary Program*

A tenth anniversary celebration will highlight the West Virginia Surface Mining and Reclamation Association's annual meeting July 18-21, at the Greenbrier Hotel.

This year's meeting promises to be the largest gathering in the Association's ten-year history, with nearly 500 members and guests expected. A most interesting agenda including the election of new officers, the annual membership business meeting, in addition to technical presentations from the West Virginia Air Pollution Control Commission, the U. S. Environmental Protection Agency, the West Virginia Department of Natural Resources, Department of Mines and the Mining Enforcement and Safety Administration.

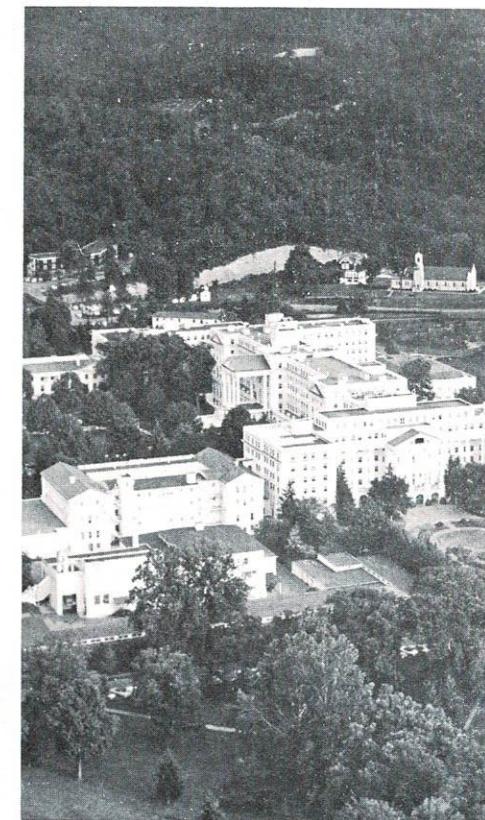
Registration will begin at 2:00 p.m., Sunday, July 18, in the main lobby, followed by various committee meetings and the Board of Directors' meeting at 5:00 p.m. Following the business sessions, the Associate Cocktail Party and Reception will begin at 7:00 p.m. on the Colonial Terrace. Dinner will be up to the individuals in the hotel's main dining room.

Carl Beard, Executive Director of the West Virginia Air Pollution Control Commission, will address a breakfast meeting of the General and Associate membership. Mr. Beard is expected to discuss the state's air pollution standards as they relate to high sulfur coal reserves and his Commission's plans for the future. Following Mr. Beard's presentation will be the election of new Board members for the coming year and the annual membership business meeting.

Social functions on Monday include the Women's and Men's golf tournaments at 9:30 and 11:00 a.m., respectively, with arrangements again being made by Fil Frasher of Rish Equipment Company, and a "West Virginia Party" at 7:00 p.m. at Kate's Mountain Lodge. The West Virginia Party is designed to recreate the era of the 1860's and the founding of the Mountain State.

A meeting of the new Board of Directors will convene at 8:00 a.m. Tuesday, for the election of new officers, followed by a presentation of research in Appalachia by Ron Hill of the U. S. Environmental Protection Agency. At 10:00 a.m., the membership will hear a panel discussion on "Miner's Training," conducted by Hershel Potter, Chief of the Division of Safety, Mining Enforcement & Safety Administration; Ed Moss, Training Director, West Virginia Department of Mines; Ted Hillman, Safety Director, Princess Susan Coal Company; and Jack Feltner, Safety Director, Hobet Mining and Construction Company. The final portion of the technical session will be a discussion of "Proposed Rules and Regulations," by Ira S. Latimer, Jr., Director, and Benjamin C. Greene, Chief of Reclamation, West Virginia Department of Natural Resources.

In the afternoon, Don Adkins of Independent Explosives will handle arrangements for the Annual Tennis Tournament, and Mrs. A. S. Cappellari will host the Bridge Tournament, both beginning at 1:00 p.m.





In the world of coal, it's still...

# EUC<sup>®</sup>

**There's no simpler way  
to say productivity**



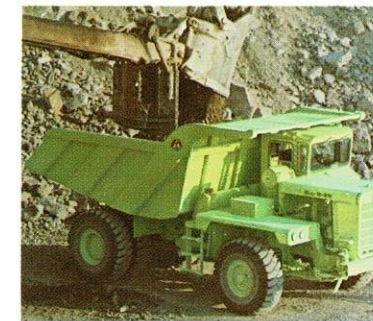
Whether it's reclamation or moving coal from pit to tipple at high speeds, or both, rely on EUC's rugged, simple approach to hauler design for maximum availability, durability and productivity. We took a close, searching look at your total requirements. And we've come up with answers as new as tomorrow — but with the same old EUC dependability.

For really demanding reclamation jobs, look at the EUC R-75 and R-85, typical of a new third generation hauler design aimed directly at productivity. They compare favorably to 50-tonners in maneuverability and loading height. Have a flat floor for easy loading with front-end loaders. Shorter wheelbase than competitive units. A choice of 700 or 800 hp engines. Four-wheel brakes. Same

tires front and rear. And easy service access to keep them hauling when others wait.

The new high-horsepower EUC CH-120 Coal Hauler gives you a choice of 700, 800 or 860 hp to match the hauler to your job. It has an energy-absorbing rubber ride strut suspension with easy accessibility and low operating costs. Axle-to-axle tire and rim interchangeability. And a removable/tiltable full-width tractor service deck for full component protection and service access from cab to trailer hitch.

But that's only part of the EUC story. In addition to coal haulers, your EUC dealer has bottom dumps from 30 to 110 tons; rear dumps from 22 to 170 tons. Plus genuine EUC parts and factory-trained service people to keep them producing. Talk to him today.



EUC R-35s offer choice of two diesel engines, excellent braking under full load; flat, safe stable ride on tight turns, steep grades and rough roads. It's a workhorse, thoroughly proven on thousands of jobs.



The lower, leaner, livelier R-50 carries full rated capacity. It's part of our new third generation of design, job-matched to 8 to 12 yd. loaders but it accepts even 6 and 7 yd. loaders; offers a lower, wider target and even load positioning; has twice the braking capacity of older R-50s.



## Euclid

EUCLID, INC., CLEVELAND, OHIO 44117  
MANUFACTURED IN: Australia, Belgium, Canada, South Africa and U.S.A.





## . . . Governor Moore and Dr. Burkitt Highlight Annual Meeting

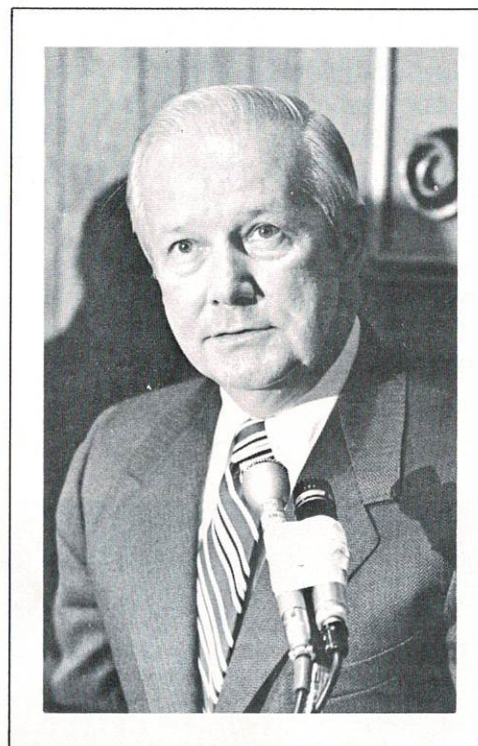
The evening festivities begin with a cocktail party and reception sponsored by the Dart Truck Company at 6:30 and banquet at 7:30 p.m. WVSMRA Secretary Frank Jennings will be Master of Ceremonies. The Honorable Arch A. Moore, Jr., Governor of West Virginia, will be on hand for a few comments and the introduction of guest speaker Dr. Denis P. Burkitt, Surgeon, Medical Research Council, External Scientific Staff, London, England. Dr. Burkitt has been nominated for the Nobel Prize in medicine and is expected to discuss his work in cancer research.

Following the banquet, Benny Benack and the Dodge Kids have prepared what promises to be a memorable "Bicentennial Review" to celebrate the 200th birthday of the nation and the 10th Anniversary of the West Virginia Surface Mining and Reclamation Association.

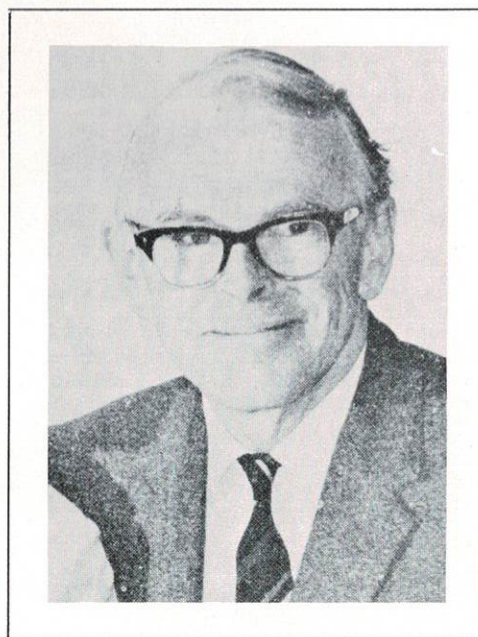
A special thanks should go to the Program Committee for their work in preparing this outstanding schedule. The Committee includes James C. Justice, Chairman; R. C. Long, Co-Chairman; F. F. Frasher, James M. Poindexter and Lawson W. Hamilton, Jr.

Officers serving during the past year are: H. L. Kennedy, Chairman of the Board; Roy G. Lockard, First Vice-Chairman; William J. Tattersall, Second Vice-Chairman; Frank D. Jennings, Secretary; G. B. Frederick, Treasurer; and Bernard J. Folio, Chairman, Associate Division.

Members of the Board whose three-year term expires include: Lonnie D. Ellison, V. N. Green, James C. Justice, H. L. Kennedy, Bernard J. Folio and Garnie Stidham.



Gov. Arch A. Moore



Dr. Denis P. Burkitt

## Growing With The Coal Industry


NOW COMBINED TO SERVE YOU BETTER

*Beckley Insurance Associates*

**watts / beckley / mountaineer agencies**

(304) 253-2727      253-3384      253-6100

DRAWER B or W      BECKLEY, W. VA. 25801



**YOUR Insurance AGENT**  
SERVES YOU FIRST

Raleigh County National Bank Building

Entire Fourth Floor - East Wing

Serving the West Virginia  
**COAL INDUSTRY**  
for well over half a century



From air or ground,  
Penn Lines can do that  
hydroseeding job

— For helicopter seeding CALL —

**Dub Bailey**  
(412) 887-9110

— For truck hydroseeding CALL —

**Curt Foreback**  
(304) 366-9090

**Carl Plieskatt**  
(412) 887-9110

Start planning and CALL now



**PENN LINE SERVICE, INC.**

SCOTSDALE, PENNSYLVANIA  
15683

**GEORGE H. FRIEDLANDER  
COMPANY**

**SURETY BONDS**

**Contractors Service**

**CASUALTY - PROPERTY - LIFE  
INSURANCE**

**PHONE 342-6174**

**GEORGE H. FRIEDLANDER**

A. L. "TONY" STANCHINA

GARDNER M. STULTZ

Suite 830 Commerce Square

CHARLESTON, W. VA. 25301



**Ashland Gas Service, Inc.**

P. O. Box 1754  
Beckley, West Virginia 25801

*Distributors for Ashland and Valvoline products. Serving the coal industry with diesel fuel, automotive and industrial oils and greases.*

*Distributor for Fram automotive and industrial filters. Automotive and industrial batteries.*

*Distributor for "Conwed" Hydro Mulch used in soil reclamation.*

*The above products are distributed by Ashland Gas Service, Inc. in the West Virginia, Kentucky and Virginia areas. For service please contact:*

*Ashland Gas Service, Inc., Box 1754, Beckley, West Virginia 25801  
Phone 253-3397*

Member of WVSMRA



**Leave his training  
to the professionals**

Let the qualified people at Century Safety Training prepare and instruct a comprehensive safety training program for your company. CST will see to it that you are in complete compliance with all existing state and federal regulations.

CST provides you with a complete line of services including dust sampling, noise surveys, water testing and reclamation assistance. Whether it be deep or surface mining . . . leave the safety training to the professionals at CST.

day or night call

Michael K. Fraizer  
252-4971

R. Wayne Morgan  
252-4121

**Century Safety**  
Training Industries, Inc.

Box 928 ☐ Crab Orchard, WV ☐ 252-4971



## Thank You Patty Bruce!

Any review of the history of the West Virginia Surface Mining and Reclamation Association would not be complete without mention of one person who stands out for her sincere devotion and effort on behalf of the organization. As part of our anniversary celebration, we would like to take this opportunity to honor this very special staff member and friend — Mrs. Patricia Bruce.

Patty was one of the two original staff members hired in 1966, when the Association opened its offices at 801, Kanawha Valley Bldg. In the past 10 years, she has seen the initial 20-company membership expand to over 250, the two-member staff grow to include nearly 20 full-time employees, and office headquarters change three times to accommodate this growth. Originally hired as secretary for the Association, she now holds the position of office manager, with duties encompassing everything from the ordering of office supplies to convention registration for 500 members and their guests.

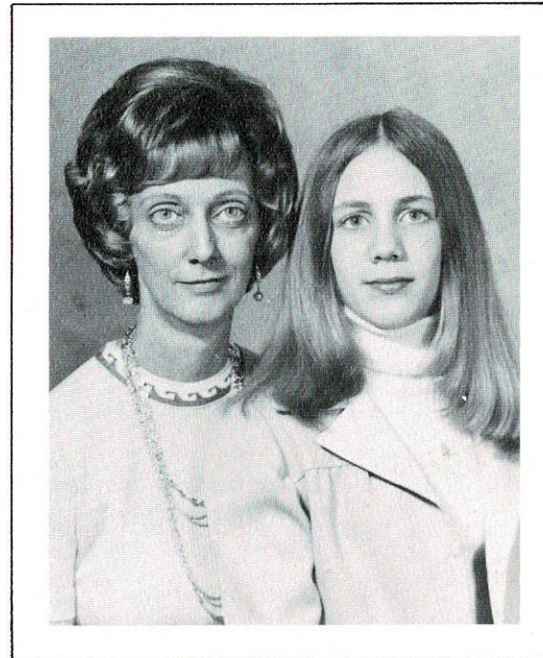
Through the years, Patty's hard work and concern have endeared her to members, as well as staff personnel, who know she'll put forth the extra effort in order to get the job done right.

In addition to her everyday office and secretarial duties, she has time and again, managed to reserve rooms after hotels have clearly stated "no vacancy"; typed the bottom line on testimonies within five minutes of the scheduled hearing; scrubbed floors and sinks when the janitor ad remained unanswered; helped host international conventions, smoothly handled nametags and registration for as many as 500 guests in a matter of hours, and chauffeured members and staff all over Charleston. Yet despite this hectic and often demanding schedule, she remains outwardly calm, ready to tackle major problems of the Association or offer personal advice to staff members.

According to President Ben Lusk, efficiency is her trademark.

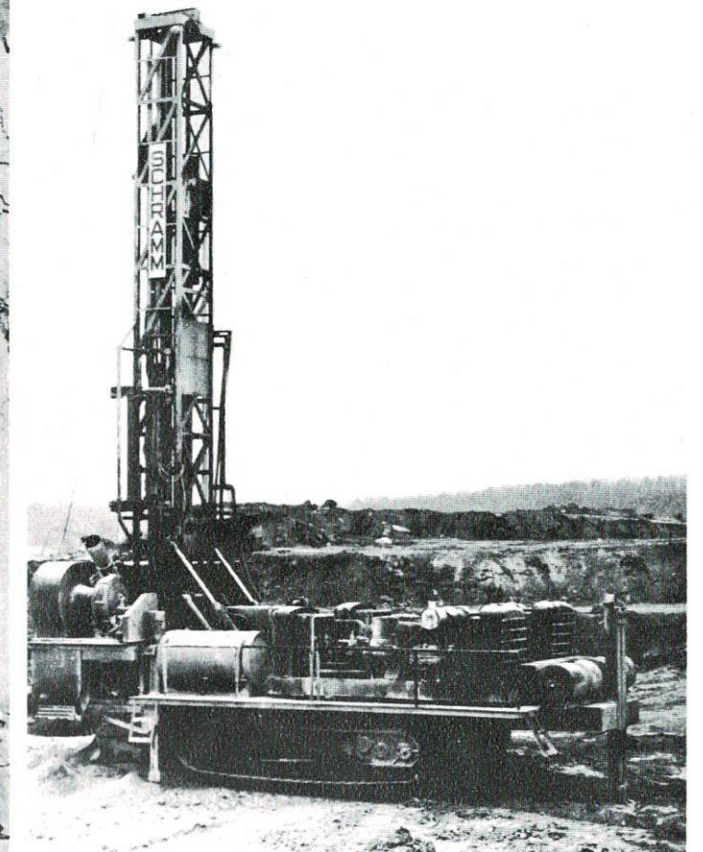
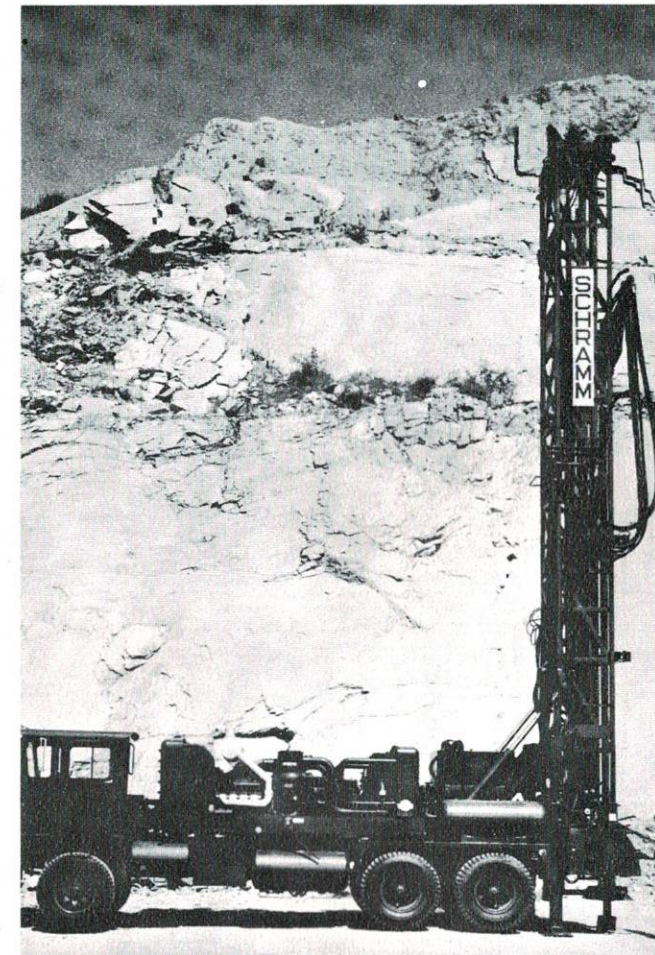
"Regardless of the circumstances, the work load or the assignment, Patty has demonstrated an unselfish ability to get the job done," he said. "She is easily the best secretary I have ever worked with and one of the most valuable members of any staff. She cares about her work and she cares about this organization."

Reflecting on her 10 years with the Association, Patty recently said, "You cannot work for an organization, watching it develop and expand over the years without it gradually becoming a part of you. In working with the surface mine operators and their families, I have made some very close friends and met some wonderful people. To me, this is an exceptional group."



*Patty Bruce, WVSMRA Office Manager since 1966, is shown above with her daughter Ginger.*

# Schramm Rotadrill: tops at the bottom.



Every Schramm Rotadrill, whether truck or crawler-mounted, high pressure or standard air, shares these features:

- "Micro-Feed" down feed rate control and "Watch-dog" down pressure control. Maximum drilling performance, extended bit life, reduced fuel usage since drilling rate is perfectly matched to ground conditions.

- Efficient top-head drive. Hydraulic operation produces smooth power flow and even torque. All air is used "on bottom" for faster penetration.

- Single station control bank arranged for convenience and visibility.

- Continuous chain drive pull-down operated by hydraulic cylinder, for positive, smooth, steady feed.

- Trouble-free piston design compressors designed for efficiency and fuel economy. Up to 850 cfm @ 250 psi (Model T985H).

- "Lazy Susan" rack for quick, positive handling of drill pipe without need for auxiliary equipment. All-hydraulic operation available.

Let Schramm's and Machinery Inc.'s 100 years of combined experience work for you.



# Machinery

inc.

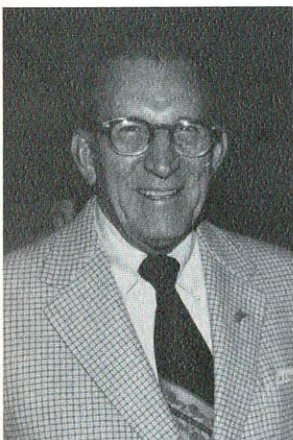
*Dedicated to those who are  
keeping West Virginia foremost.*

P. O. BOX 2911  
5800 McCORKLE AVE., S.E.  
PHONE 925-4741

CHARLESTON, WEST VIRGINIA 25330



# a Decade of Change



Leo Vecellio, 1966



H. L. Kennedy, 1976

Thanks to the foresight of the first Board of Directors under the direction of Leo Vecellio, Sr. in 1966, the WVSMRA was formed.

Succeeding Presidents and Board members dedicated to continuing a tradition of hard work and sacrifice, built the Association to its present status. It is appropriate that this issue be dedicated to those members who are responsible for the past "10 years of progress."

## WANTED



Information leading to  
the revocation of  
a STRIP MINING PERMIT !  
\$ 100<sup>00</sup> Reward

Write: Citizens to Abolish Strip Mining  
Post Office Box 2404  
Charleston, W.Va. 25329

## WEST VIRGINIA IS NUMBER ONE

COAL IS THE NATION'S MOST ABUNDANT SOURCE OF ENERGY. AND WEST VIRGINIA HAS BEEN THE NUMBER ONE COAL-PRODUCING STATE SINCE 1931. BUT IN RECENT YEARS REALIZING ITS RESPONSIBILITY TO THE ENVIRONMENT, THE MOUNTAIN STATE HAS ALSO BECOME THE MINED-LAND RECLAMATION CAPITOL OF AMERICA. ALTHOUGH ONLY ONE-FIFTH OF WEST VIRGINIA'S COAL IS PRODUCED BY SURFACE MINING, IT HAS CONSISTENTLY BEEN FIRST IN THE NUMBER OF ACRES OF LAND RECLAIMED DURING THE PAST FOUR YEARS.

SINCE THE FORMATION OF THE WEST VIRGINIA SURFACE MINING AND RECLAMATION ASSOCIATION IN 1966, OVER 85,000 ACRES HAVE BEEN RECLAIMED, WITH MOST BEING RETURNED FOR WOODLAND AND WILDLIFE USE. BUT MANY RECLAIMED SITES BOAST HOUSING DEVELOPMENTS, COMMERCIAL BUILDINGS, FARMLAND, ATHLETIC FIELDS, AIRPORTS, AND RECREATIONAL USE.

WEST VIRGINIA'S OUTSTANDING RECLAMATION IS A RESULT OF EXTENSIVE RESEARCH BY DEDICATED SCIENTISTS, AN ORGANIZATION OF RESPONSIBLE SURFACE MINERS, AND A GOVERNMENT TRULY CONCERNED ABOUT PRESERVING THE STATE'S HERITAGE. WITH PROPER LAND RECLAMATION, WEST VIRGINIA PROVES THAT TODAY IT IS POSSIBLE TO SUPPLY THE NATION WITH ENERGY WHILE PROTECTING THE STATE'S NATURAL BEAUTY.



## Committed to Professional Financial Service

Use this listing to help plan your personal or business financial program.  
Call on Wheat, First Securities to assist you.

### INVESTMENTS

Common stocks, corporate and municipal bonds, options, mutual funds, commodity futures.

### TAX SHELTERS

Oil and gas well drilling, real estate partnerships, Keogh and IRA plans.

### CORPORATE FINANCE

Public offerings, private placements, mergers, acquisitions, sales, lease financing, evaluations.

### INSURANCE SERVICES

Estate analyses, key man policies, pension and profit sharing plans, life and health insurance, disability income plans.

### ASSET MANAGEMENT

Supervised investment and asset management.

### INVESTMENT RESEARCH

Local and regional stocks, extended coverage of national stocks through specialized research firms.

**Wheat  
First Securities**

Members of New York & American Stock Exchange  
Twenty one offices in Virginia, North Carolina, West Virginia and New York City.  
West Virginia offices located in Charleston, Bluefield & Beckley

## AMHERST INDUSTRIES, INC.



THE LARGEST SELECTION OF LIMESTONE IN THE AREA

Supplier of Indiana crushed limestone of all sizes. We have washed mason sand, construction sand, concrete gravel and all sizes are available at our Port Amherst yard on Rt. 60 east of Charleston.

We have barges available for loading, our own towboats, and barge unloading facilities at Port Amherst.

**Call us today!**

**AMHERST INDUSTRIES, INC.**

Route 60 East, Port Amherst, Charleston, W.Va.  
phone (304) 925-1171



# INTRODUCING The MLS-1000H\*



- \* • 1000 Gallon Diesel Fuel
- 4) 120 Gallon Lubricant Tanks
- Hydraulic Drive On Compressor

We manufacture equipment for the Surface Mining / Heavy Construction Industries exclusively. We know your problems and design with them in mind.

Let us quote you:  
**Mobile Lube Stations**  
**Lube Platforms**  
**Balcrank Pumps, Reel/Accessories**  
**Allmand Portable Lighting**  
**Champion Compressors**  
**W/W Steel Water Tankers**  
**Oil Filters, Batteries/Hydraulic Supplies**



**James Enterprises, Inc.**  
 1810 Auger Drive  
 Tucker, Georgia  
 Phone: 404/934-0517

# Acid Water Problems?

We've got the water  
treatment system!

- ☐ Treats water flow from 1 - 1000 GPM
- ☐ Portable - needs no electricity
- ☐ Versatile metering system
- ☐ Rugged construction
- ☐ Complete weekly servicing

**There's a system operating near you.**

FOR ADDITIONAL INFORMATION OR SITE VISIT  
**CALL / OR WRITE**

Richard Cavallaro, *President*  
 Water Reclamation Resources, Inc.  
 142 Driftwood Road  
 Bridgeport, WV 26330  
 (304) 842-5662

EPA Approved Method of Treatment for Acid Mine Drainage

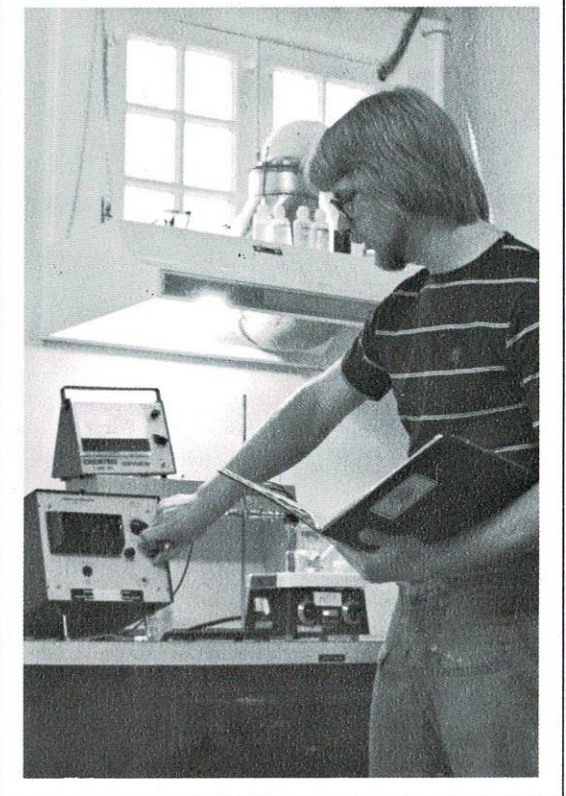
# Water Lab Relocates To Expand Services To Membership

The WVSMRA Environmental Quality Control Laboratory has undergone several changes this past year, in order to increase the speed, efficiency and effectiveness of our water testing capabilities.

This past February, the Lab, which was formerly located in the Cecil I. Walker Machinery facility, Beckley, West Virginia, established permanent residence at the WVSMRA headquarters in Charleston. The move was made to consolidate and centralize the Technical Services Division under one roof, thus allowing more efficient service to the membership. Also, a statewide pick-up and delivery program for the water samples was implemented. Pick-up and delivery points were designated in both northern and southern West Virginia in order to offer blanket coverage of the Mountain State. The recently acquired Atomic Absorption Unit will enable the Lab to run all types of chemical analysis.

In addition to providing the water analysis for surface mine operators, required by both state and federal agencies, the Lab is presently working on the Association's EPA grants entitled "Longwall Stripping" and "Steep Slope Mining Method."

The facility is being operated by Lab Supervisor Preston Stacy. Environmental Technical Specialist Jack Kester is in charge of field data gathering and its analysis.



*Lab Supervisor Preston Stacy calibrates the ph meter, which is only one of the many instruments utilized in the analysis of water quality.*

# SPECIAL MEMBERSHIP APPLICATION

Please sign me up as a "Special Member".  
 Enclosed is my check for \$\_\_\_\_\_ at \$10 per membership

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

(Please Print)

**As a special member of the WVSMRA you will receive the benefit of first-hand information on matters that affect the industry and your job. You will receive four issues of *Green Lands Quarterly*, the only surface mining trade publication in the country. *Green Lands Quarterly* will keep you well informed on the latest industry news, including state and federal legislation, mining and reclamation projects, research and technical innovations, Association news, and much more. In addition, you will receive a WVSMRA license plate, hard hat decals and a membership certificate.**

**Just fill out the enclosed membership offer (opposite) today and send it along with a check for \$10 and your name will be immediately placed on our "Special Membership List." You will be receiving your first copy of *Green Lands Quarterly* within a few weeks.**

**Don't underestimate your importance**

# Back the Team



**"Let Us Evaluate and Bid Your Next Job.  
You'll Be Glad You Did!"**

**General Consultants**

David J. Ozmina  
President

**D & D**  
**Reclamation, Inc.**

Charles E. Massie  
Field Supervisor

**"Land Stabilization Specialists"**

Water Sampling  
and Testing

Erosion and  
Sediment Control  
Tree Planting

P. O. Box 1004

Tel. 304-253-8309

Beckley, W. Va. 25801

**Chamberlaine  
& Flowers<sup>INC.</sup>**

128 South Second Street  
Clarksburg, West Virginia 26301  
304/623-3721

701-707 Monongahela Bldg.  
Morgantown, West Virginia 26505  
304/292-3562



**"TOTAL SERVICE  
is what we're all about."**

**We'll help you get the heavy duty truck you need . . .  
and keep it working with dependable parts and service.**



**Charleston Truck & Trailer Service, Inc.**

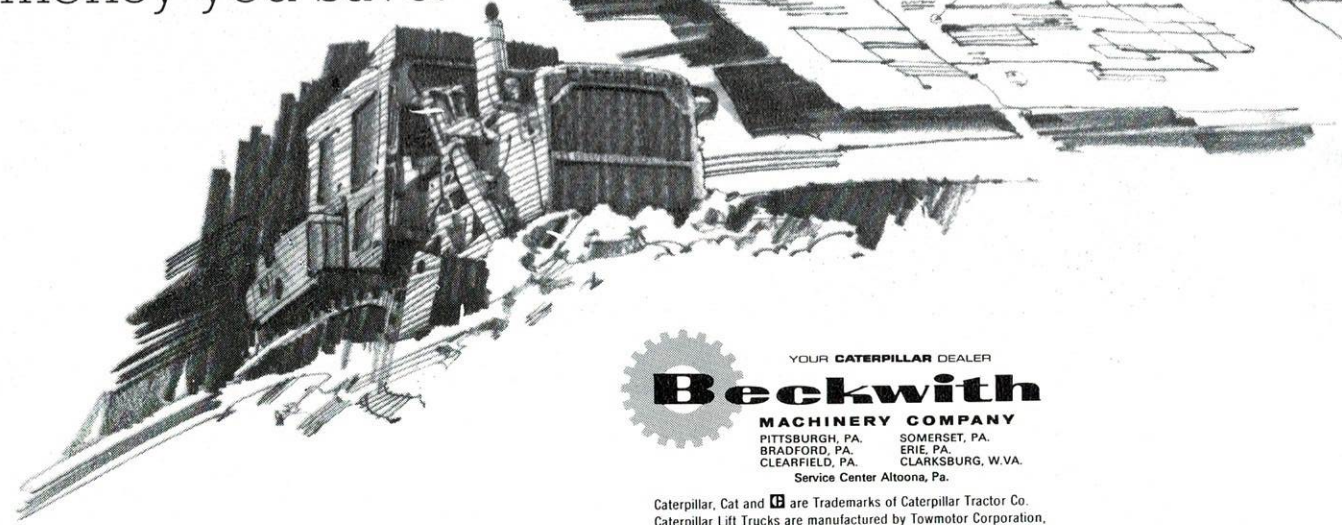
Phone 304-768-1276  
U. S. Route 60 P. O. Box 8277  
South Charleston, W. Va. 25303




**See Beckwith Machinery Company for the difference.** We can serve *all* your needs. For construction equipment, for parts availability, for parts exchange programs... for service and preventive maintenance programs that keep your equipment productive.

And isn't that the kind of equipment dealer you're looking for?

At **Beckwith**, the difference is the time and money you save.



YOUR CATERPILLAR DEALER  
**Beckwith**  
 MACHINERY COMPANY  
 PITTSBURGH, PA. SOMERSET, PA.  
 BRADFORD, PA. ERIE, PA.  
 CLEARFIELD, PA. CLARKSBURG, W.VA.  
 Service Center Altoona, Pa.

Caterpillar, Cat and  are Trademarks of Caterpillar Tractor Co.  
 Caterpillar Lift Trucks are manufactured by Towmotor Corporation,  
 subsidiary of Caterpillar Tractor Co.

## WVSMRA TODAY . . .



*From the original staff of two in 1966, the WWSMRA staff has grown to 27 today. The staff is divided into five departments: Administration (8), Membership Services (2), Technical Services (3), Research (12) and Public Affairs (2). Pictured above are: Cindy Jennings (Public Affairs); Ben Lusk (President); John Sturm (Technical Services); and Dan Gerkin (Vice-President).*



# Youth, Experience Typify Association Staff



Ben E. Lusk  
WVSMRA President

Ben E. Lusk is beginning his sixth year as head of the West Virginia Surface Mining and Reclamation Association (WVSMRA), which is now recognized as the largest state trade organization of its kind in the country. The Association, under Lusk's direction, has grown to where it now boasts a membership of nearly 300 companies involved directly in surface coal mining in West Virginia.

Lusk attended the National University of Argentina in Cordoba as an exchange student in international relations before entering Bethany (West Virginia) College as a Benedum Foundation Scholar. There he received a Bachelor of Arts degree in Communications, in addition to receiving the E. E. Roberts Award as the outstanding journalism graduate in 1967. While working on his graduate studies at West Virginia University, he became involved with the Athletic Department and accepted the position as the Assistant to the Athletic Director in charge of public relations and promotion until June, 1971, when he joined the WVSMRA.

On joining the Association, he brought with him an honest, straight-forward approach towards solving complicated problems of surface mining, that has won the industry friends and respect worldwide. His initial responsibilities with the Association included public relations, advertising and promotion, but after only one year, was named Executive Director in charge of all the organization's affairs. Since June, 1973, he has also held the position of Director of the West Virginia Applied Research Institute.

On joining the Association, he brought with him an honest, straight-forward approach towards solving complicated problems of surface mining, that has won the industry friends and respect worldwide. His initial responsibilities with the Association included public relations, advertising and promotion, but after only one year, was named Executive Director in charge of all the organization's affairs. Since June, 1973, he has also held the position of Director of the West Virginia Applied Research Institute, which coordinates various mining and reclamation research projects throughout the state. In June 1974, through a constitutional reorganization, the Association's Board of Directors named him permanent President.

During his five years with the WVSMRA, Lusk has become a well-known spokesman for the surface mining and reclamation industries. As founder and chairman of the International Mining & Reclamation Conference, he has made available to the coal industry an opportunity to exchange ideas and keep abreast of the rapidly changing technology through conferences held in both Germany and Poland.

Lusk is also on the West Virginia Board of Miner Training, Education and Certification, the state's Black Lung Advisory Committee, a member of both the West Virginia and Charleston Area Chamber of Commerces and has been a member of various committees for the National Coal Association and the American Mining Congress. In addition, he serves on the Executive Committee for the West Virginia Research Steering Committee and the Council for Surface Mining and Reclamation Research in Appalachia.

In ten years, the Association's staff has grown from two to 27 full-time employees. The group's average age is only 31, but it boasts numerous years of valuable work experience. Nearly all are handpicked, and Lusk believes his staff is the finest in the country with the ability to handle the various demands of a large trade organization.

"One of our keys to success has been a young, energetic staff of people, who have grown with the organization. Their willingness to change and initiate new programs has given us a flexibility that few other organizations have. With continued

cooperation from the Board, our potential is boundless," Lusk said.

— Number two man is Dan Gerkin, who joined the staff in June, 1971, as News and Information Director. Two years later he became Assistant Executive Director, then in June, 1974, he was named Vice-President. His main duties are administrative and legislative, as well as being assistant editor of *Green Lands Quarterly*. He is a 1974 graduate of West Virginia University.

— Terry Iden left the Charleston Newspapers in October, 1973, to become WVSMRA Advertising Director. In July, 1974, he reopened the northern office in Clarksburg and took on additional responsibilities in Membership Services. Iden is a 1972 graduate of West Virginia University.

— John Sturm brought outstanding background to the Association when named Technical Services Director in October, 1974. After working two years with Peabody Coal Company, Sturm's responsibilities include a permit review program, establishment of the water lab, environmental research and all other areas of technical services. Sturm is a 1971 graduate of the WVU School of Agriculture, with a Masters in Agriculture in 1973.

— Also in October, 1974, Bill Piper was selected as Project Engineer for the Environmental Protection Agency "Longwall Stripping" project. Before joining the Association, Piper served as Staff Engineer for the U. S. Bureau of Mines for nearly five years. He is a 1966 mining graduate of Virginia Polytechnic Institute, with a Masters in Occupational Health from the University of Pittsburgh in 1971.

— Patty Bruce is the only remaining member of the original staff. Initially hired as staff secretary, she was named Office Manager in 1975. She is responsible for coordination of all clerical work in the Charleston headquarters. She also boasts 13 years experience with the West Virginia Legislature. She also attended West Virginia Institute of Technology.

— Mary Ann Steele is second only to Mrs. Bruce in time with the Association. She was hired in May, 1971, and is in charge of all bookkeeping responsibilities for an organization which now has over 250 member companies. She has a 1965 Secretarial Science Degree from Center College in Charleston.

— Cindy Jennings took over responsibilities for the weekly newsletter, when she became News and Information Director in June, 1975. In addition, she handles press relations, promotional activities and copy editing for *Green Lands*. She is a 1975 graduate of West Virginia University.

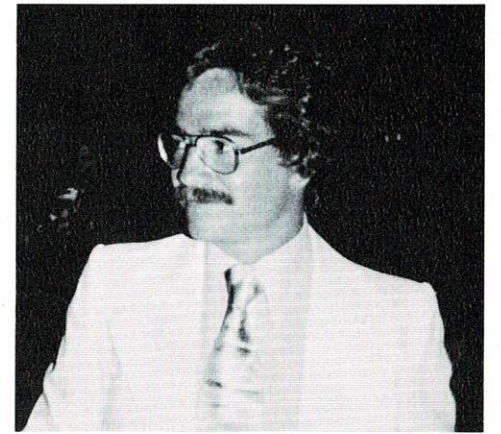
— Jeff Maggied was named Assistant News and Information Director in February, 1976. He is also a 1975 graduate of West Virginia University.

— Pam Shafer was hired as Office Secretary in August, 1975. A 1973 graduate of Center College, she handles typing, filing and other office duties.

— Preston Stacy became supervisor of the Association's Environmental Quality Control Lab when it was moved to Charleston in February, 1976. Formerly, he was an environmental quality specialist for the Appalachian Power Company. He attended both West Virginia University and Morris Harvey College.

— Darlen Adkins became bookkeeper for the Environmental Protection Agency "Longwall Stripping" project in January, 1976. She handles purchasing, typing and governmental reporting for the project and was formerly employed by the U. S. Department of Agriculture.

— The most recent addition to the staff was Jack Kester, who is responsible for field data collection and laboratory analysis for all WVSMRA research projects. Kester has a fish and wildlife management degree from Montana State.



Dan Gerkin, Vice-President



Terry Iden, Membership Services



John Sturm, Technical Services



Patty Bruce, Office Manager  
Mary Ann Steele, Bookkeeper





## How to uncover more tons per shift

More and more drillers and coal companies are turning to the Ingersoll-Rand T-4 Drillmaster to speed overburden removal and cut stripping costs. Here are some of the reasons why.

Simple, function-zoned controls make operation almost automatic and take the guesswork out of drilling. Engine, compressor, rod

handling and drilling controls are all centralized on one convenient tower-side console. A drill rod can be added to the string, starting with the rotary head at the table, in 45 seconds. And 150 feet of rods can be carried on the machine.

Check these Drillmaster specs against the equipment you are using now: 6-3/4" to 7-7/8" holes, 750 cfm of air at

150 psig, feed pressure to 35,000 lb, up speed 100 ft/min, rotary torque to 50,000 in-lb, rotation infinitely variable to 200 rpm, ultra fast and safe Carousel rod changer with power indexing, and four-foot leveling jacks.

If you, too, would like to uncover more tons per shift the Drillmaster way, call your nearest I-R office.



## Ingersoll-Rand Equipment Corporation

600 Greentree Road  
Pittsburgh, Pa. 15220  
(412) 922-3200

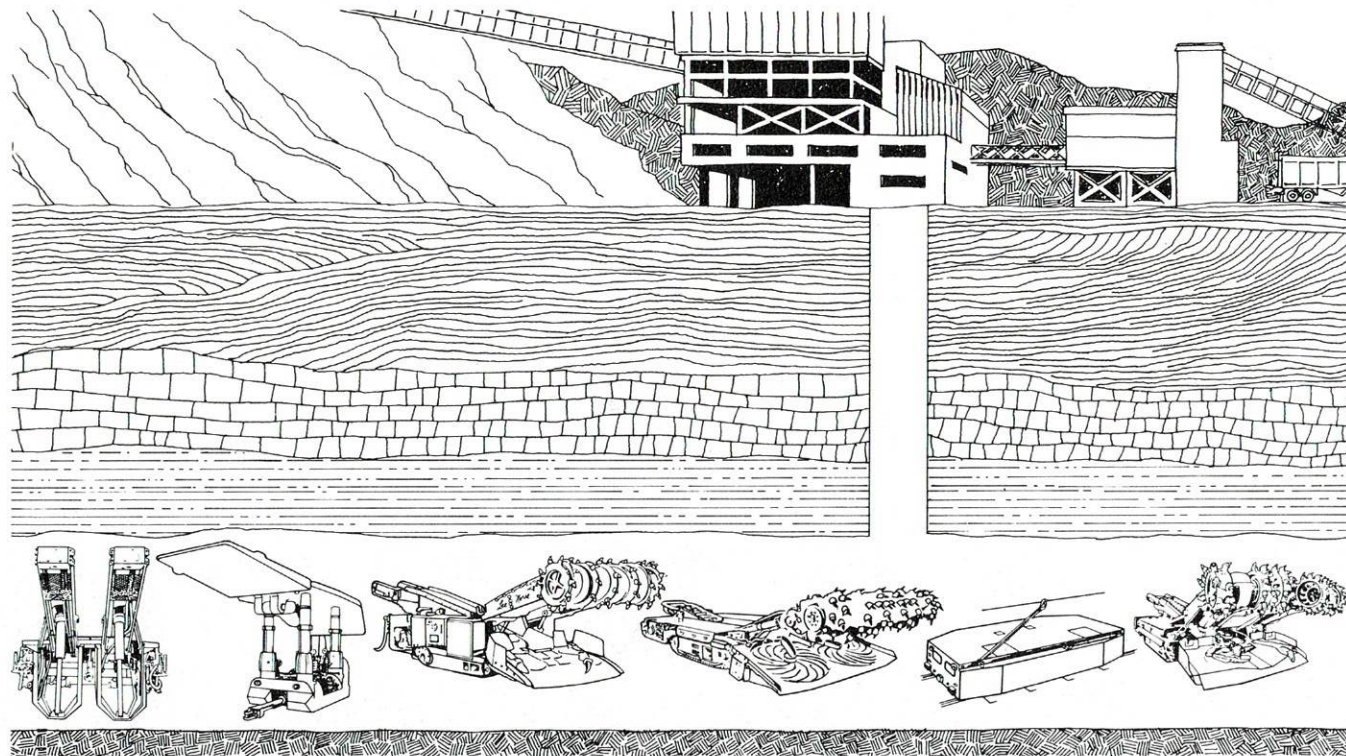
410 58th Street SE  
Charleston, WV 25304  
(304) 925-0376

## WVSMRA HEADQUARTERS



*The WVSMRA now maintains offices in three separate locations: Charleston (Headquarters); Julian (Research Field Office), and, Clarksburg (Northern Office). The Charleston Headquarters (above) houses the Association's Water Lab, Technical Services Division, Public Relations and Administrative Offices.*





## What's underground is our business.

Our business is coal mining machines. We design them, build them, and help our customers service them.

We build Lee-Norse machines to be tough and dependable. To work shift after shift after shift. To set coal production records. Which is as it should be. For coal—energy—has never been more important to all of us than it is right now.

We also design our machines to protect the men who operate them. Because high coal tonnage is good only when it goes hand-in-hand with safety.

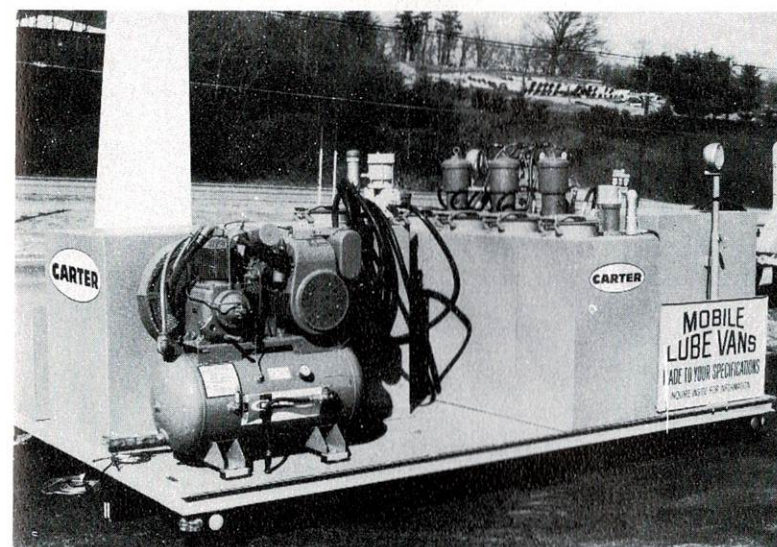
Over the years, we've contributed our share of new ideas: continuous underground mining machines; mining machines remote-controlled through a long cable; and radio-controlled mining machines. We introduced the machine that can cut coal from 27-inch low seams. And we're working on faster, safer, more productive machines for the future.

The same engineering skill and concern goes into our roof bolters, longwall supports, personnel and cargo carriers and coal conveying equipment.

Lee-Norse. We're in the energy business—with energy to burn. Lee-Norse, Division of Ingersoll-Rand, Charleroi, PA. 15022.

**Lee-Norse**  
Division of **IR Ingersoll-Rand**

# LET A CARTER LUBE UNIT SAVE YOU, TIME AND MONEY



In your business, time is money. CARTER MACHINERY COMPANY offers a comprehensive line of lubrication vans and platforms that will take the hassle out of proper machine maintenance. These pre-engineered and field-tested units have proven time after time that the most effective and economical way to handle your machine lubricating needs is with a self-contained, power operated lube unit.

Stock inventory includes 8' Lube Skids, 9', 10' and 12' Lube Platforms and an enclosed 12' Lube Van. They're ready for immediate delivery. Others can be custom-built in a matter of days to meet your individual design requirements. Lube Platforms can be mounted on a new or used truck, supplied by you or by CARTER.

Compare these CARTER features:

- \* Enclosed, Dust-free Reel Cabinets
- \* Spring Retractable Reels
- \* Gas or Diesel Powered Compressors
- \* Built-in Tanks
- \* Transfer Pumps
- \* Air Operated Grease Guns

For details, return the coupon and we'll forward brochures with complete information. And, while you're at it, inquire about CARTER's complete line of lubricant products supplied in bulk or package quantities.

## DO AWAY WITH COSTLY DELAYS FOR MAINTENANCE— LUBRICANTS ARE STILL LESS EXPENSIVE THAN IRON AND DOWNTIME.

Address Inquiry to: **Alton Burnette — Customer Services**  
**Carter Machinery Company**  
**1330 Lynchburg Turnpike**  
**Salem, Va. 24153**

**CARTER**

Your Caterpillar Dealer

**LEWISBURG, W. VA.**  
Rt. 60 West  
Phone 304-645-6440

**BLUEFIELD, W. VA.**  
Route 52 North  
Phone 325-5411

**SALEM, VIRGINIA**  
1330 Lynchburg Tpke  
Phone 387-1111

**NORTON, VIRGINIA**  
310 Kentucky Avenue  
Phone 679-1010

Send me Additional Information on Lube Units.

Name: .....

Company: .....

Address: .....

City: ..... State: ..... Zip: .....

Please check below if you have an interest in any of the following CARTER support programs.

- ☐ Bulk Lubricants and Tanks
- ☐ (SOS) Schedule Oil Sampling
- ☐ (t-a) Technical Analysis
- ☐ CARTER Water Tanks



Thanks...

While celebrating our tenth anniversary, we would like to thank the Associate Members for the support given throughout the past decade. Their belief and confidence have aided greatly in the growth of this organization.

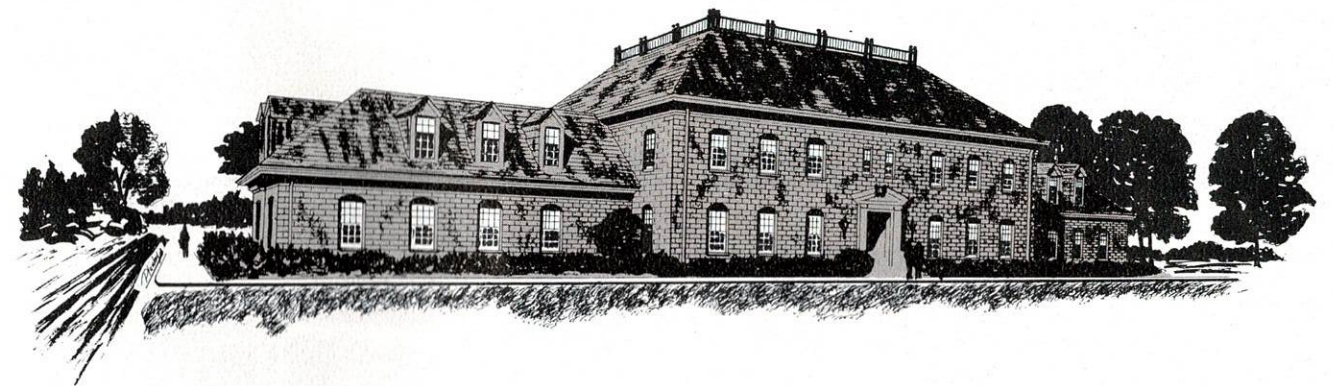
Also, we would like to thank in particular those members who have continually supported this magazine through advertising. *Green Lands* has been successful in presenting a positive view of our industry and without the support of advertisers, this could not have been accomplished.

# Bank of Raleigh

Member F.D.I.C.

Beckley, West Virginia

Telephone: Area Code 304—252-6321



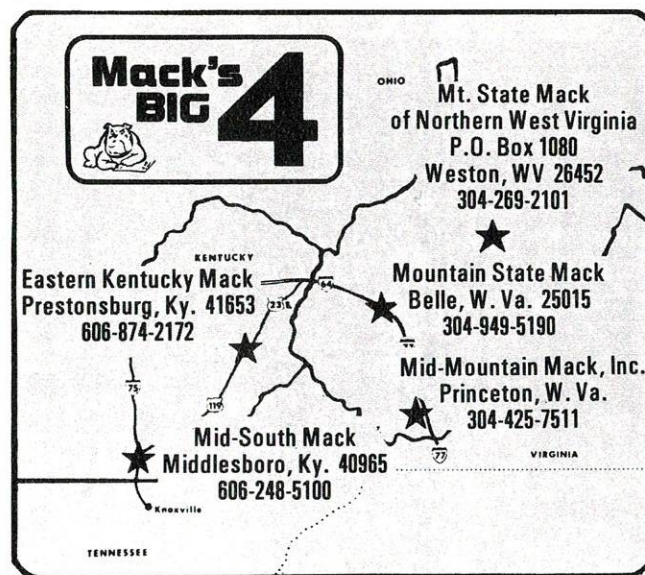
## DIRECTORS:

J. R. Carr	Dr. Paul H. Loflin
Dr. John M. Daniel	Joseph Luchini
Frank Dearing	J. H. McCulloch
Jack Fairchild	Phill A. McDaniel II
W. H. File, Jr.	E. M. Payne III
Harry Gilbert	Paul Phipps
James C. Justice	Hulett C. Smith
H. L. Kirkpatrick	James E. Songer
C. S. Lewis, Jr.	Albert M. Tieche

## DIRECTORS EMERITUS:

E. G. Larrick	Isaac McKinney
---------------	----------------





## Working together to better serve the Coal Industry!

Mack has the greatest people and facilities to offer you the finest in sales, parts and service.

The sales crew can offer you a full line of trucks, whether it be on-road or off-road, Mack's got a truck for your specific need.

Mack's locations throughout West Virginia and Kentucky enable mobile repair service crews to respond quickly to help solve any problems you may have. The service department is backed with hundreds of years of experience and a multi-million dollars parts inventory which include parts for Caterpillar, Cummins, or whatever you might be running.

**So remember, if you need sales, service or parts . . . you need Mack's Big 4.**

**Mountain State Mack**  
Belle, W.Va. 25015  
(304) 949-5190



**Mid-Mountain Mack, Inc.**  
Princeton, W.Va.  
(304) 425-7511

## Mack's Big 4



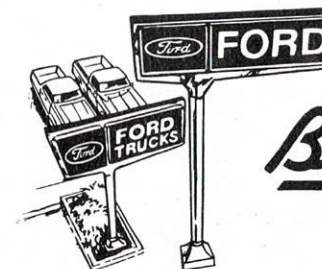
## Tenth Anniversary Celebration



### The Coal Industry's Complete Truck Center Is Bert Wolfe—Ford

#### Wide Selection

Bert Wolfe has a Huge Stock of over 100 trucks, including pickups in the F100, F250, F350 Series, Econoline Vans, Broncos and Step Vans; Single axles, Mediums, heavies, tandems and tractors . . . 500's, F600's, F700's, & LT880's, LT9000's, WT9000's . . . LNT9000's.



*Bert Wolfe*

344-1610

Patrick St. Plaza

Charleston, WV

## Hospitality Plus!



THE  
**DANIEL  
BOONE**  
HOTEL-MOTEL

**NEWLY REMODELED**  
A GRAND HOTEL  
WITH FULL SERVICES

**FREE PARKING**  
STEPS FROM  
DOWNTOWN SHOPPING  
**GRACIOUS BUT INFORMAL  
DINING**

**THE THIRSTY PILGRIM**  
(An Authentic English Pub)

**COLONY ROOM**  
Entertainment Nightly

1791 TAVERN  
Elegance And Tradition  
Are Yours

Complete Convention  
And Banquet Facilities

**343-6131**

Washington & Capitol Streets



**We support the WVSMRA**



### **DOWN AND OUT**

*When you are down we cannot afford to be out. We are committed to servicing Auger users with a complete stock of parts for our equipment — COMPTON AUGER — and many parts for the other makes of augers. We are available twenty-four hours a day with these parts and/or service personnel to get our customers back in operation as soon as possible.*

*Members of WVSMRA*

**KSMRA**

**Distributors:** C. I. Walker Machinery Company  
Carter Machinery Company, Inc.

**ADVANCED  
MINING**  
**EQUIPMENT & SERVICES COMPANY**

BOX 9387 HUNTINGTON, WEST VIRGINIA 25704 • PHONE 304 429-1331

# **A PERSONAL TRUST COULD SAVE \$25,000 IN TAXES.**

If you had an estate with a gross worth of \$200,000—adding up your life insurance, home value, real estate and other assets—with a personal trust you could have a potential estate tax savings of \$25,337. And that's only one of the many advantages of having a trust. Find out the many benefits by calling John Hopkins at 348-5611, or Roger Kerr at 348-6958.

 **The  
Charleston  
National Bank**

Corner of Capital and Virginia  
Member Federal Deposit Insurance Corporation, Member Federal Reserve System



## WVSMRA Congratulates America



## Bring us your big problems...



That's right. No matter what size problems you have—the people at Amherst can help.

We will repair or rebuild all types of heavy shovels, buckets or dozer blades, regardless of size and with quality workmanship.

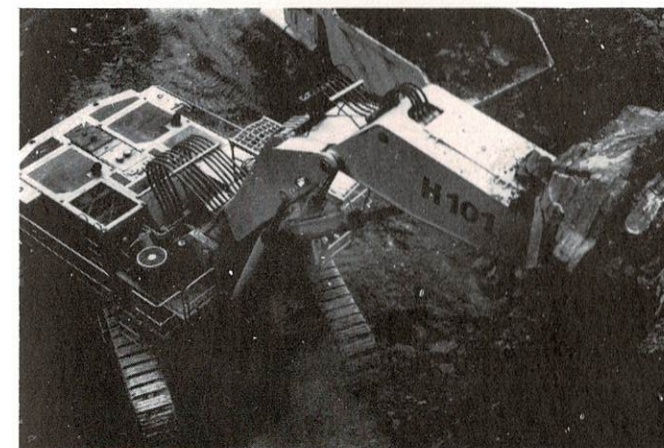
Call Jo Ann Greenleaf  
In Our Heavy Duty  
Repair Division:  
(304) 925-1171  
Ext. 236

**AMHERST INDUSTRIES, INC.**  
Route 60 East, Port Amherst  
Charleston, W.Va.

## The Toughest Thing On Earth... Or Coal.



The new **DEMAG** Heavyweights...from Cody Equipment. The H101 excavator's high crowding and breakout forces combined with fast hydraulic cycling allows it to work without pre-blasting or help from Crawler Mounted Rippers. The dual engine system of the H101 guarantees reserve power even under peak performance.



Here, the H101 takes a 15 ton bite.  
High static weight coupled with massive wide undercarriages gives the **DEMAG** Excavators excellent working stability.



H51-55 Ton Operating Weight



H71-77 Ton Operating Weight



H101-110 Ton Operating Weight

*We'll fly you there!*

Cody will fly you to the nearest job site to prove the availability and application of these excellent machines.

**DEMAG**  
Construction Equipment

*Call a Cody Representative.*

Cody Equipment & Supply Company, Inc.

Wise, Virginia  
(703) 328-2371  
Beckley, West Virginia  
(304) 255-1411  
LaFollette, Tennessee  
(615) 562-7403  
Prestonburg, Kentucky  
(606) 874-9244

