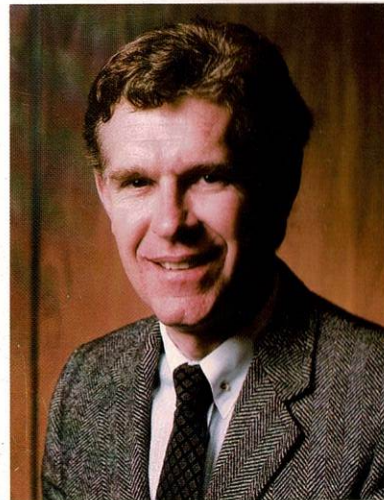


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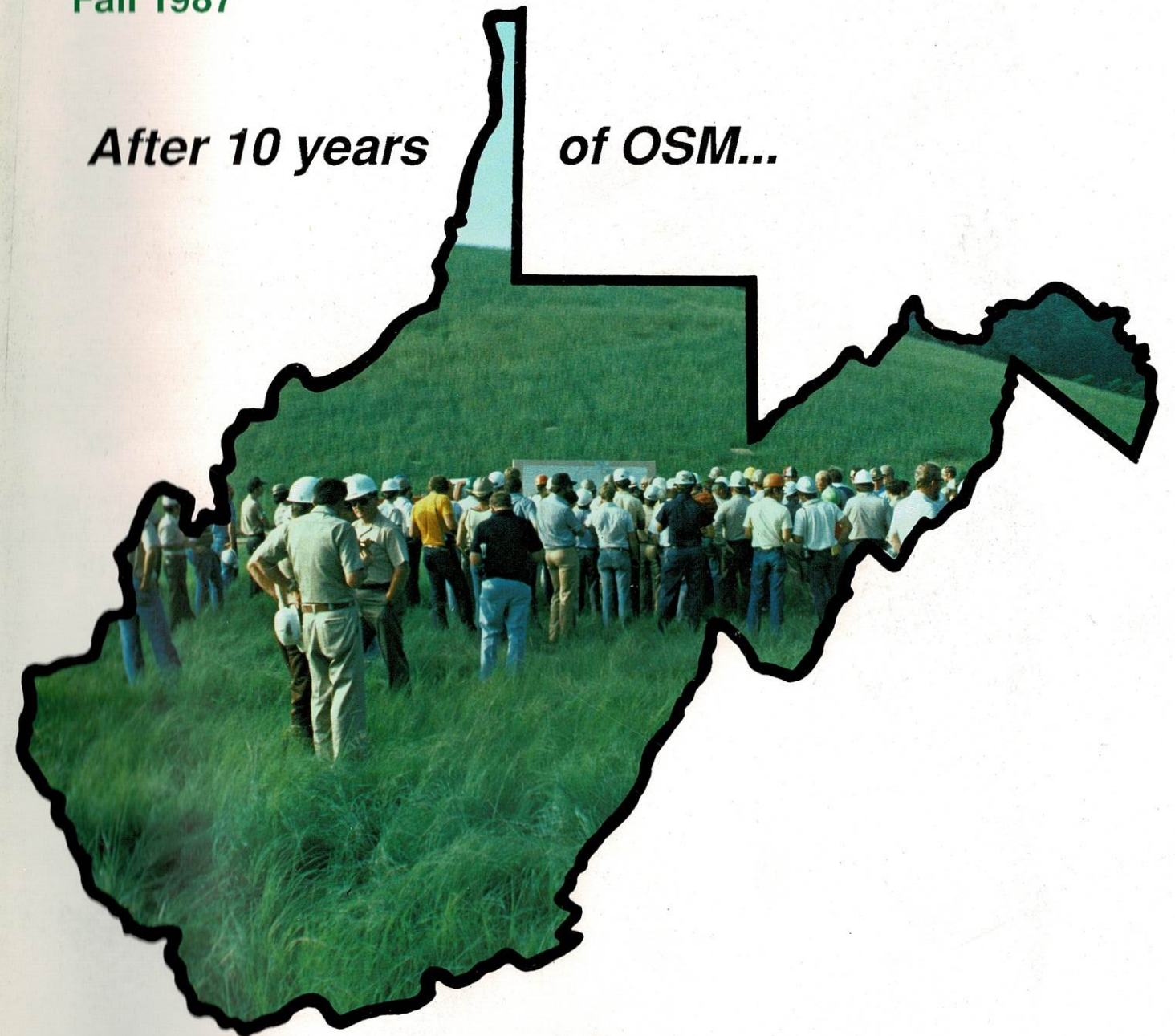
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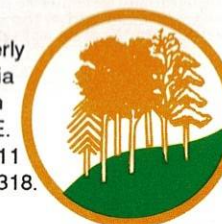
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Green Lands is a quarterly publication of the West Virginia Mining & Reclamation Association, with offices at 1624 Kanawha Boulevard, E. Charleston, West Virginia 25311 (304) 346-5318.



Our cover--The Office of Surface Mining, and the concept of a national surface mining reclamation law, turned ten years old this summer. What has this meant to the West Virginia industry? Green Lands takes a look, beginning on page 7.

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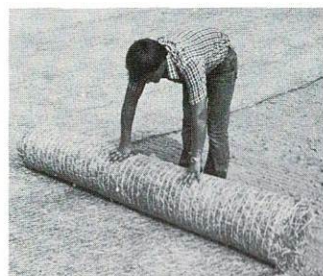


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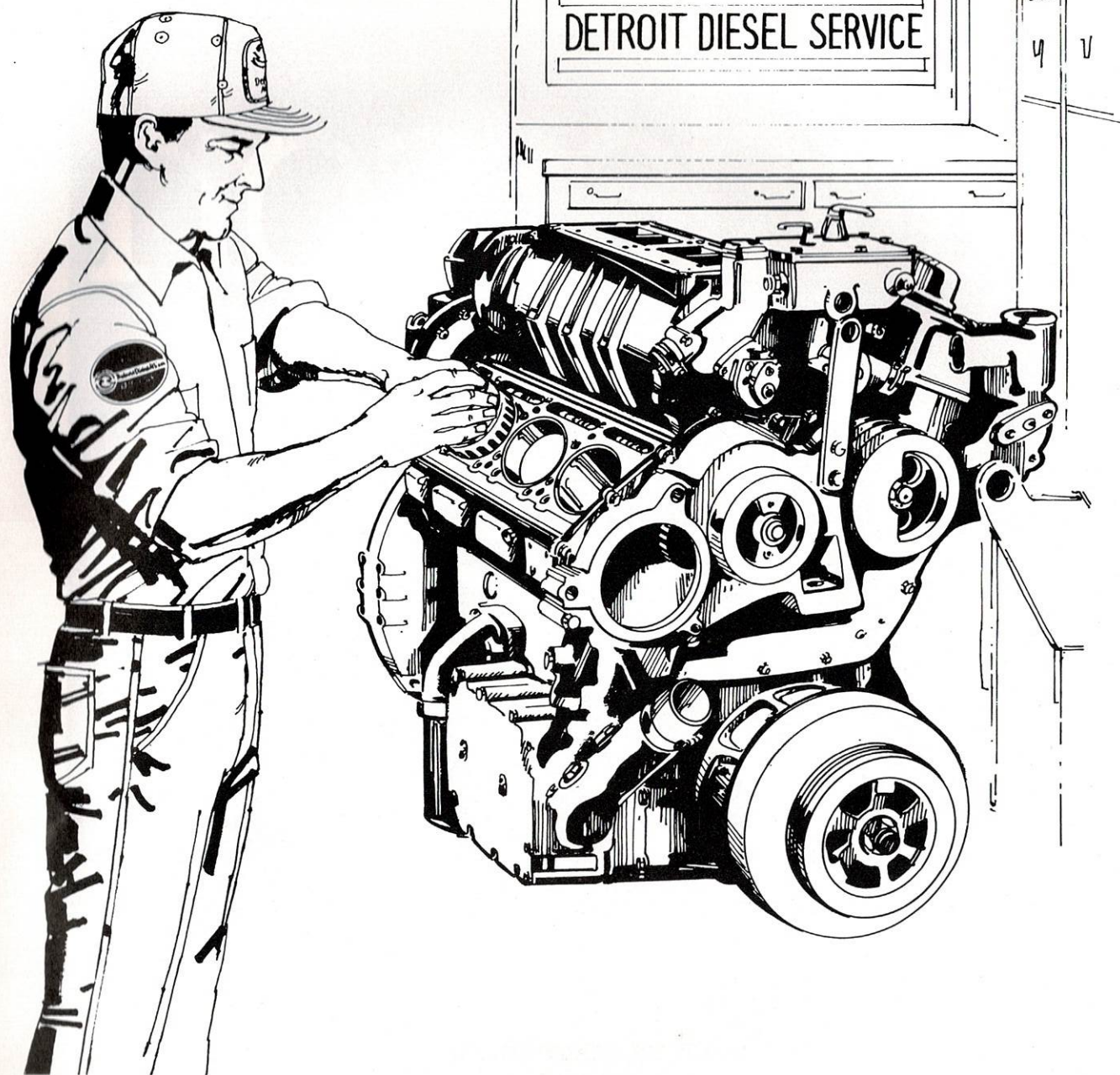
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After 10 years of OSM

Is West Virginia Any Greener?

On August 3, 1977, President Jimmy Carter signed the **Surface Mining Control and Reclamation Act**, a gesture described at the time as "bringing to a pause a seven year legislative struggle."

That assessment proved to be accurate, as the Rose Garden ceremony signaled the beginning of a combined legislative, judicial, and bureaucratic battle that still flares up periodically, a decade after the program was initiated.

Two earlier versions of the bill were passed by Congress and vetoed by President Gerald Ford. President Carter was enthusiastic about signing such a bill, but called the legislation submitted to him "a disappointing effort."

Elsewhere, official reaction was mixed. The late Senator Lee Metcalfe, the Senate sponsor, described it as "long overdue legislation." Congressman Morris Udall, the House sponsor, foresaw "a whole new era of regulation."

The late Charleston Congressman John Slack pointed out that "West Virginians have led the way," in pioneering rec-

lamation and regulatory programs, and indeed they had.

West Virginia Department of Natural Resources Director David Callaghan pronounced that his agency was "committed to quick approval of our State program."

WV-DNR Chief of Reclamation Pete Pitsenbarger was wary. "We could be in for trouble," he warned. And newly appointed WVMRA President Ben Greene, himself a pioneer in West Virginia's regulatory program, elaborated, "We're in pretty good shape with the bill itself, but we don't know what might happen when the rules and regulations are finalized. Obviously, problems could arise."

Unfortunately, Pitsenbarger and Greene proved the most prophetic.

The stated purpose of **Public Law 95-87** was "to establish a nationwide program to protect society from the adverse effects of coal mining operations, establish minimum national standards for regulating surface coal mining, assist States in developing and implementing regulatory programs, promote

reclamation of previously mined areas left without adequate reclamation, and stimulate research and training in mining, minerals research, and technology."

That was a clear and laudable enough intention, but putting it into practice was something else again.

The **Green Lands** assessment of the situation was as follows:

"West Virginia's program could be approved with only minor adjustments if the Department of the Interior will take to heart the following Congressional mandate:

Section 101 Paragraph (f)
'The Congress finds and declares that because of the diversity in terrain, climate, biologic, chemical, and other physical conditions in areas subject to mining operations, the primary governmental responsibility for developing, authorizing, issuing, and enforcing regulations for surface mining and reclamation operations subject to the Act, should rest with the States.'

It didn't work out that way.

As green as ever.....



Take our word for it. This Patriot mining site in Preston County was equally green before and after OSM.

The Act repeatedly makes reference to "the Secretary," meaning the Secretary of the Interior, in whose hands enforcement power was officially placed. In practice, the real power was given to a new agency created by the Act, the Office of Surface Mining Reclamation Enforcement, which came to be known as OSM.

As with any major regulatory legislation, the Act itself was

hollow without the creation and implementation of specific rules and regulations. This task fell to a group of federal appointees, employed by a federal administration which felt that the mining industry had gotten off far too easily in the provisions of SMCRA (the Act).

The results were predictable. Regulations were produced in a volume unimagined by the most pessimistic regulatee. State

regulatory agencies were viewed as allies of industry, and therefore the enemy of OSM.

Hopeful West Virginians who had seen SMCRA as a means of bringing less stringently regulated states into line with their regulatory practices were quickly disappointed.

Apparently hoping for a quick start in dominating state agencies, OSM turned first to those states which were closest to

.....with a heart of blue and gold.

federal conformity. West Virginia was an early target.

WV-DNR and industry officials found themselves in a tooth-and-nail battle over virtually every procedure and practice that had proved its worth in years of on-the-ground experience on West Virginia mines.

In the first half of 1979, West Virginia mining operations were subjected to more OSM inspections than any other state, more than leading producer Kentucky, 50% more than number three Pennsylvania, and more than all of the western states combined.

OSM issued proposed interim regulations, final interim regulations, proposed permanent regulations, and final permanent regulations. The amount of paper turned out of Washington was mind boggling.

From March 1979 to May 1980, 35 separate Federal Registers contained parts of the various programs proposed by "the Secretary." By the time "final regulations" were issued in March of 1979, the agency was more than seven months behind schedule.

Meanwhile, litigation piled up.

Four months after SMCRA was signed into law, forty West Virginia companies filed suit.

This was only one of many legal actions brought by industry, state agencies, and citizens groups, and directed against some combination of the Act, its regulations, OSM, and the Secretary of the Interior.

In a judgement that consolidated 22 separate suits, Judge Thomas Flannery, in mid-1978, invalidated several sections of the regulations. Other suits resulted in other sections of the Act being stuck down as unconstitutional and regulations being enjoined as irrelevant to the Act.

In mid-1980, West Virginia officials had finally sorted through the federal mess enough to be able to submit a coherent proposal to assume primacy for the permanent regulatory program in the state.

In October, OSM granted "partial approval," which meant that West Virginia's program was nearly OK. The final and amended State proposal was submitted seven hours ahead of the December 19 deadline, and primacy was granted on January 15, 1981, just five days before President Carter left office.

The advent of the Reagan administration was coincident with the beginning of the end to chaos at OSM. The outgoing director of the agency, perhaps unwittingly, summarized the

problem by observing that his proposed regulations had been "remanded in only about 30 instances."

The OSM of the late 1980's is a different animal than the one which was foisted upon the coal industry a decade ago.

Now apparently comfortable in its oversight role, and staffed with professionals in the manner of most state regulatory agencies, OSM has reached a plateau of stability which seemed unattainable in its early years.

The advent of West Virginia's Department of Energy has further improved the regulatory situation to the extent that the coal industry can begin to turn its attention back to its primary mission, that of providing the economic lifeline which West Virginia so badly needs.

The reader will note that the story of the implementation of federal regulation of the coal industry contains very little relevance to the state-of-the-art of mine reclamation as practiced in West Virginia. This is no coincidence.

In short, West Virginia is the same color it always was--green, with a heart of blue and gold.

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Howell & Paterno Celebrates 50 Years

Francesco and Concetta Paterno were a young married couple who emigrated from Calabria, Italy to Smithers, West Virginia in 1903. There Mr. Paterno found work as a coal miner with Cannelton Coal & Coke, where he labored for 35 years.

It was hard work, and he aspired to a less arduous lifestyle for his sons and daughters. In 1937, a year before he left the mines, Francesco Paterno saw his dream realized, when his son Michael became a full partner in the newly renamed Charleston firm of **Howell and Paterno, Certified Public Accountants**.

Had the story not been so often repeated in 20th century immigrant America, it would make a wonderful movie. As it is, it makes a nice background in 1987 for the 50th Anniversary of **Howell & Paterno**.

Michael Paterno celebrated his 80th birthday recently and remembered an early turning point in his professional life. "In those days, it was expected that a boy would go to school through the eighth grade, and

then join his father at work. My father was a coal miner, and he provided for his family. But he wanted something else for me, so he and my mother decided that I would continue my education.

"We spent about half of school time on math then, and math was my favorite subject, so I did pretty well. After the eighth grade, I went to New River State (now West Virginia Tech), a couple of miles down the road in Montgomery."

There were expenses attached to the furthering of Michael Paterno's education. "New River State was both a prep school and a college," he recalls. "Tuition was around \$40 a year. That doesn't sound like much now, but remember I'm talking about 1921."

"I walked to school, and to get there, I had to cross the old bridge at Montgomery. It was a toll bridge, and pedestrians had to pay as well, but they gave students a rate of \$1 a month. Lunch at the school was 10 cents."

Going to school from 8:00 to 6:00, and working summers and

spare time in a grocery store, young Michael Paterno completed the six-year course in four. Drawing on his early math skills, he earned a degree in accounting at the age of 20.

He went to work at the 1st National Bank of South Charleston, but kept on with his education, studying to become a certified public accountant. In 1935, he went to work for the Harry R. Howell Co. Two short years later, he was made a partner, and the half century of **Howell & Paterno** began.

In 1929, Mr. Paterno had become the youngest practicing CPA in West Virginia. In 1987, he is the oldest. Both the West Virginia Society of CPA's and the American Institute of CPA's have awarded him life memberships. The honors are doubly pleasing, he says, "because it means I don't have to pay dues anymore."

In the more than half century between those two achievements he didn't sit still—far from it. In a profession characterized by quiet conservatism, Michael Paterno has struck a nice balance of stability and vitality.



Michael C. Paterno

The offices of **Howell & Paterno** are in the same building where the firm began, although it has expanded from three rooms to more than an entire floor.

On the other hand, Mike Paterno has squeezed at least three other careers into his time on Capitol St. In 1937, he founded Park Tire Co. as a distributor for General Tires.

In 1941, he added Park Pontiac, as a separate company.

In 1951, he became president of Chemical Bank and Trust in South Charleston, a position he held for 22 years.

But back to **Howell & Paterno**.

Wasn't 1937 an unusual time to be starting a new business?

"Even though it was the middle of the depression, people still needed accounting

**Mike Paterno was once the
youngest practicing CPA
in West Virginia---
---Now he's the oldest**

work done. We started with just the two partners and a secretary, in three rooms, and had maybe 50 accounts. Probably half of our business was with coal companies."

Times have changed. The staff of three is now 20, about half of whom are CPA's. The account list has expanded from 50 to over 1500, and the three room suite has outgrown an entire floor of the Kanawha Valley Building on Capitol Street in downtown Charleston.

And the thrust of the firm's business is now with banks and auto dealers, no doubt a result of Mr. Paterno's second and third careers.

"Just like the coal business, there are many national accounting firms operating in West Virginia," he explains. "National coal companies use national accounting firms."

"But our business is very diverse. All types of businesses

need the services of a CPA, especially for taxes and auditing. Firms like ours will thrive because we can give the personal service that small businesses need."

Though among the most respected members of his profession, Mr. Paterno doesn't let his vast experience blind him to the need for further education.

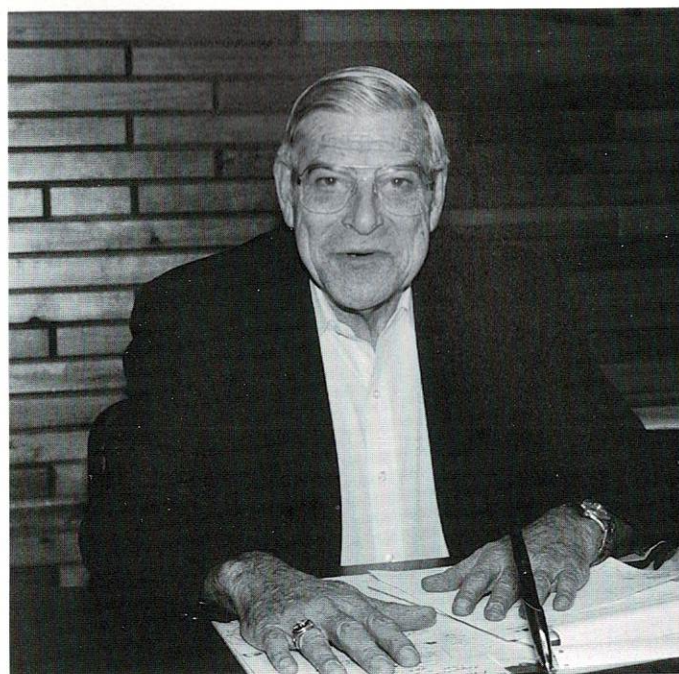
He still completes the 40 hours-per-year of refresher training required of accredited CPA's. And for 33 years, he has made an annual trip to New York University's Tax Institute to keep his expertise up-to-date.

Mr. Paterno firmly believes in the continuing education requirement. "In our environment," he says, "education is all important."

The lessons of Francesco and Concetta Paterno are firmly instilled in their son.

They would be proud.

And so does General Truck Sales



Ray E. Meadows, Jr.

Mike Paterno and Ray Meadows are good friends. Mike's accounting firm does the books for Ray's truck sales company.

And that's fitting. Because the people at **Howell & Paterno** and at **General Truck Sales Corp.** have spent 1987 celebrating their companies' 50th birthdays.

Ray Meadows was a schoolboy back in 1937 when Howell & Paterno got started.

That was also the year that a young truck salesman came to the Kanawha Valley from Cincinnati.

William T. "Bill" Male, a Cincinnati native, had started his business career as a secretary to a railroad company vice president. He switched to selling GMC trucks and made his way to Charleston.

There he bought into **General Truck Sales**, the GMC truck arm of Hugh Stewart's

Buick dealership.

In the early years of World War II, Male and partner Andy Bell bought Mountain Trucking, renamed it Bell Lines, Inc., and ran the two companies together.

Following the war, the freight line was sold, and the partners retained **General Truck Sales**, headquartered at 708 Watt St., on Charleston's west side.



Under the guidance of Bill Male (r) and Ray Meadows, General Truck Sales has been an award winning franchise for GMC, as illustrated in this award presentation ceremony from a decade ago.

Meanwhile Ray E. Meadows, Jr., having completed his military service, joined the horde of post war college bound veterans. He was graduated from West Virginia University in 1950, and returned to his native Charleston armed with a business degree.

He went to work as a salesman for Fruehauf Trailer Sales. By 1958, he was sales manager



Ray Meadows' new Buick (in 1958) reflected the company's early connection with the local Buick dealer.

for Fruehauf.

The natural culmination of a career for a man with a business degree is to be in business for himself. Ray Meadows achieved that ambition in 1971, when he became part owner of **General Truck Sales**. Six years later, he became the majority owner.

Throughout its 50 years, **General Truck Sales Corp.**

has undergone the changes to be expected of a consistently successful company.

The Watt St. location has been long since outgrown. The company, with 54 employees, is now located in the Ordnance Center in South Charleston, comprising the largest truck facility in the state.

Along with complete sales, service, and parts facilities for

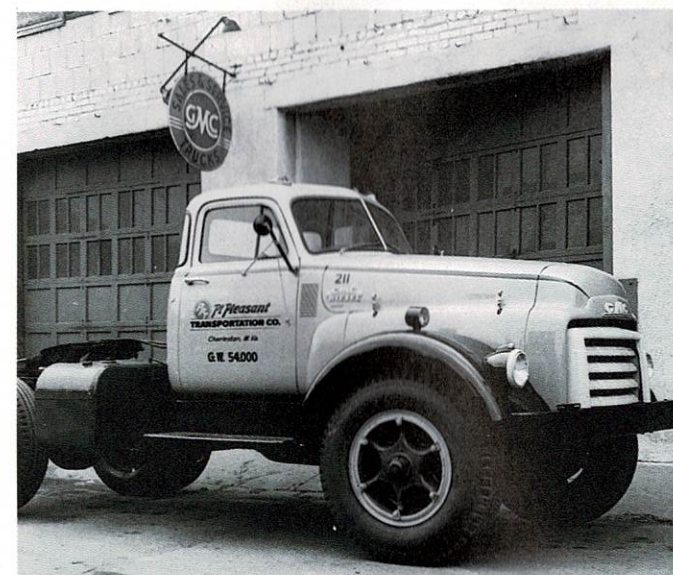
GMC trucks, the company celebrated its golden anniversary by adding the White Truck, Volvo, and Autocar lines this year.

Ray Meadows, the proprietor of this business success story, sees nothing out of the ordinary in it.

"I knew Bill Male," he recalls, "because I sold trailers to go with his trucks. I had been looking around for a business investment, and I knew that this was a going concern, so I got into it."

After "getting into it," Ray Meadows has now been around for a good portion of the company's long history. He has overseen the stability of **General Truck Sales** through some tough economic times in West Virginia.

And no matter how modestly he summarizes his business career, he would have to admit to being a large part of the reason that **General Truck Sales** is around to celebrate its 50th year.



General Truck Sales has had plenty of GMC trucks with the 50's look--also the 30's, 40's, 60's, 70's, and 80's.

Annual Meeting--1987



James W. "Bill" Anderson

WVMRA Past Chairmen

1966-67--Leo Vecellio, Sr.	1977-78--James S. Harless
1967-68--F.B. Nutter, Sr.	1978-79--John J. Faltis
1968-69--Arch F. Sandy, Jr.	1979-80--Charles T. Jones
1969-70--John C. Anderson	1980-81--Lawrence A. Streets
1970-72--G.B. Frederick	1981-82--William C.M. Butler, III
1972-73--James L. Wilkinson	1982-83--Donald R. Donell
1973-74--Lawson W. Hamilton, Jr.	1983-84--Tracy W. Hylton
1974-75--James C. Justice, Sr.	1984-85--Carl DelSignore
1975-76--H.L. Kennedy	1985-86--Dwight M. Keating
1976-77--Frank D. Jennings	1986-87--Theodore J. Brisky

Bill Anderson--Chairman of WVMRA

James W. "Bill" Anderson of Princeton is the 21st chairman of the WVMRA Board of Directors.

Bill, president of **Anderson & Anderson Contractors, Inc.**, was elected at the 21st Annual Meeting at the Greenbrier Hotel in White Sulphur Springs.

Anderson & Anderson Contractors is a charter member of WVMRA, and will celebrate its 40th anniversary next year.

Bill Anderson is the second major contribution which the company and the Anderson family have made to WVMRA. Bill is the younger brother of **John C. "Jack" Anderson** who was our chairman in 1969-70.

In addition to his coal industry activities, the new chairman is well known in Mercer County for his community service. Anderson Field at Concord College is named for him, and he has constructed or contributed

to numerous other baseball fields in the county.

He is also a past chairman of the Concord College Foundation, and has been a major contributor to the Athens Volunteer Fire Department, and to Princeton High School.

As chairman, Bill succeeds **Ted Brisky** of **BethEnergy Mines, Inc.**, Charleston, who served during 1986-87.

Other officers elected at the meeting include: 1st Vice Chairman, **Roy G. Lockard** of **Kelley Coal Co.**, Clarksburg; Second Vice Chairman, **Paul F. Hutchins** of **Freeman Branch Mining**, Columbus, O.; Secretary, **R. Donald Cussins** of **Buffalo Coal Co.**, Bayard; Treasurer, **Kenneth G. Woodring** of **Hobet Mining, Inc.**, Madison, and Associate Division Chairman, **Bernie E. Dearth, Jr.** of **Bridgeport Trucking Co.**, Clarksburg.

Six members of the Board were re-elected to three year terms, including Anderson, Brisky, **Dwight M. Keating** of **Johnstown Coal Co.**, Clarksburg; **John J. Faltis** of **Anker Energy Corp.**, Morgantown; **Lawson W. Hamilton, Jr.** of **Ford Coal Co.**, Hansford; and **Tracy W. Hylton** of **Perry & Hylton, Inc.**, Beckley.

Newly elected to three year terms were **James M. Compton** of **Grafton Coal Co.**, Clarksburg; **Paul A. Las-kody, Sr.** of **Mt. State Bit Service, Inc.**, Morgantown; **Daniel T. Pochick** of **Rish Equipment Co.**, Bluefield; and **Richard B. Urda** of **Chamber-laine & Flowers, Inc.**, Clarksburg.

Four others were named to fill unexpired vacancies on the Board, including Dearth, Woodring, **Donald K. Cooper** of **Princess Susan Coal Co., Inc.**, Charleston; and **John C. Williamson** of **Cecil I. Walker Machinery Co.**, Charleston.



Outgoing Chairman Ted Brisky.....

The Change of Command



.....hands over the reins to.....



.....newly elected Bill Anderson



Former Chairman Buck Harless addresses the membership meeting.

'Our Finest Speakers'

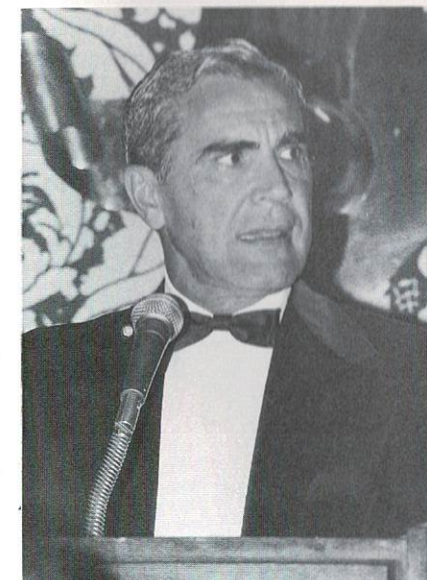
The Annual Meeting, of course, centers around the business of electing officers, and gaining the benefits of a timely technical program.

This time, the Program Committee outdid itself, with what one long time member called, "the finest group of speakers we have ever had at one meeting."

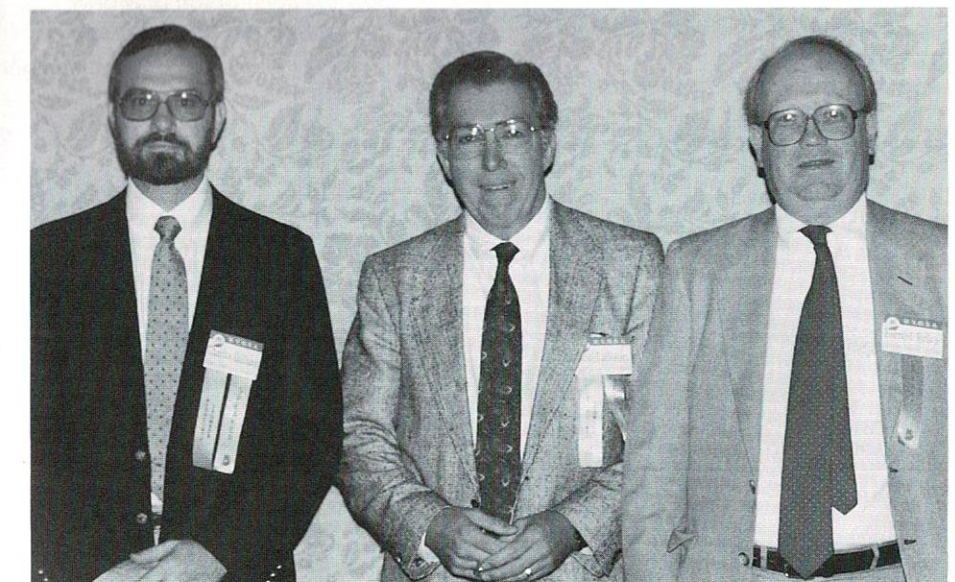
While the Saturday morning tech-

nical session focused on the upcoming labor contract negotiations, the banquet speech on Saturday evening marked the first public appearance of Richard L. Lawson in his capacity as president of the National Coal Association.

Thanks to all of the speakers, and congratulations to Program Committee members for a job well done.



Richard L. Lawson, president National Coal Association.



The Panel-left to right--Charles Gilliam, Jr. of Labor Relations Associates, Inc., Joseph W.R. Lawson, II of SESCO Management Consultants, and Forrest Roles of Smith, Heenan, & Althen.



Tracy and Betty Hylton of **Perry & Hylton, Inc.** with Ellen Hey and Judge John Hey.



(Right) Ted and Sue Brisky at the end of a year's term as chairman.



Association Vice President Bill Raney, Chairman Bill Anderson, and President Ben Greene.



Bev and John Sturm of **Sturm Environmental Services**, with WV Energy Commissioner Ken Faerber.



(Left) Patty and Bill Bright, of **Land Use Corp.**, with outgoing chairman Ted Brisky of **BethEnergy Mines, Inc.**



(Right) WVMRA's Pam Raney with Don and Joan Donell of **Starvaggi Industries**.



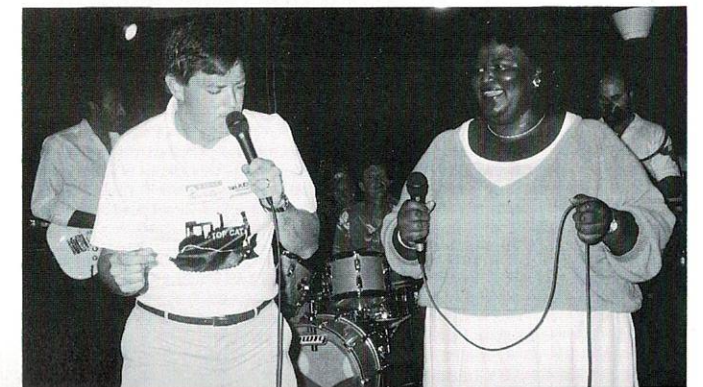
Many years ago, the Association was awarded a grant from the Environmental Protection Agency. And, like the proverbial bad penny, it refused to go away. But now it has. What to do with the paperwork? Someone had an idea. At left, Lawson Hamilton, Buck Harless, and Jim Justice start the fireball rolling. There was sufficient paper for many, many others to participate.



Chairman Bill and Paul Ena Anderson on the morning of departure from the Annual Meeting.



Staff members Patty Bruce and Mary Ann Steele find a moment to relax at the end of the meeting.



The performance of **Steve Walker**, (above) of **Cecil I. Walker Machinery**, with "The Production Company" on Kate's Mountain has become traditional. The enthusiasm of those attending the "Coal Miners' Party" (below) is apparent. But whether Steve or regular members of the band are performing, dancing (left) is the order of the evening.



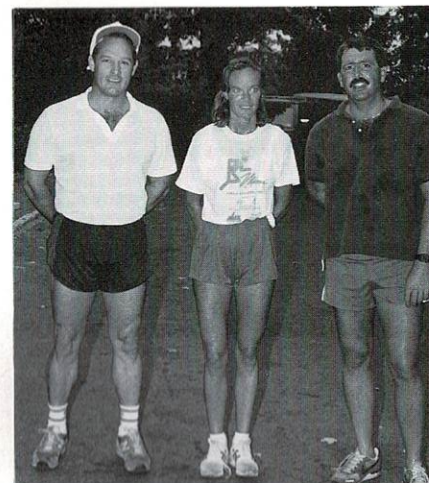
In the Winners' Circle



Golf and running seemed to draw the biggest crowds, with participants lined up for the shotgun golf start, and the 7:00 gun for the mile-and-a-half fun run



Fishing



Fun Run



Ladies' Trap



Men's Trap

In the Winners' Circle



Men's Tennis



Ladies' Tennis



Ladies' Golf



Men's Golf



Men's Bowling



Ladies' Bowling

A special 'Thank You' to the sponsors of the Associate Welcoming Reception

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WARNER LABORATORIES OF WV, INC.
WEIGHING & CONTROL SERVICES, INC.
WEST VIRGINIA EXPLOSIVES COMPANY
SPILMAN, THOMAS, BATTLE & KLOSTERMEYER
MON VALLEY COAL & LUMBER COMPANY, INC.
DRESSER CONSTRUCTION & MINING EQUIPMENT

And 'thanks' to the Prize Contributors

Much of the success of the activities portion of the Annual Meeting is due to the generosity of those companies and individuals who donated prizes for the competition. The list of prizes is such that everyone who participates has a chance to come away a winner. Thanks so much to those who contributed so much to the enjoyment of all.

Chairman's Breakfast Drawing

Nell Jean Enterprises	\$ 50 Gift Certificate
VME Americas	\$ 50 Gift Certificate

Monte Carlo Party

Cummins Cumberland	\$ 50 Gift Certificates (2)
Dresser Construction & Equipment	Greenbrier Shop Gifts
Dryden Oil	Ice Buckets
Gibson Explosives	Microwave Oven
Gould Energy/Warner Labs of WV	\$ 50 Gift Certificate
Logan & Kanawha Coal	\$ 100 Gift Certificate
Mack Trucks/Worldwide Equipment	Video Cassette Recorder
Noone Associates	\$ 100 Gift Certificate
Petroleum Products	\$ 50 Gift Certificate
Rudd Equipment	\$ 50 Gift Certificate
Starvaggi Industries	\$ 100 in Lottery Tickets
Sturm Environmental Services	Portable Phone
West Virginia Explosives	Video Cassette Recorder
Worldwide Equipment	\$ 100 Gift Certificate
Young Enterprises	WV Cooler

Tennis Tournaments

Call Detroit Diesel Allison	\$ 50 Gift Certificate
Cecil I. Walkery Machinery	\$ 50 Gift Certificate
Green Acres Contracting	\$ 50 Gift Certificate
Hansford Seed	\$ 50 Gift Certificate
Independent Explosives	\$ 50 Gift Certificate
Ingersoll-Rand	\$ 50 Gift Certificate
McDonough Caperton	\$ 50 Gift Certificate
Penn Line Service	Tennis Balls
Persingers Inc.	\$ 50 Gift Certificate
Sturm Environmental Services	\$ 50 Gift Certificate

Bowling Tournament

Nell Jean Enterprises	Trophies
-----------------------	----------

Trap Tournament

Nell Jean Enterprises	Trophies
-----------------------	----------

Name Tag Drawing

Dominion Bank	Color Television
Nell Jean Enterprises	\$ 50 Gift Certificate

Golf Tournaments

Anderson of West Virginia	\$10,000 hole-in-one
Appalachian Tire	\$ 100 Gift Certificate
Beckwith Machinery	\$ 50 Gift Certificate
Call Detroit Diesel Allison	\$ 100 Gift Certificate
Cecil I. Walker Machinery	\$ 50 Gift Certificate
Crown Hill Equipment	\$ 100 Gift Certificate
Dominion Bank	\$ 50 Gift Certificate
Driltech Inc.	\$ 50 Gift Certificate
	\$ 100 Gift Certificate
Dryden Oil	Ice Bucket
	Golf Balls
Komatsu America	\$ 50 Gift Certificate
McDonough Caperton	\$ 100 Gift Certificate
Mt. State Bit Service	Blaster's Lamp
Rish Equipment	\$ 50 Gift Certificate
Robbins Manufacturing	\$ 100 Gift Certificate
Rudd Equipment	\$ 100 Gift Certificate
Sii Smith-Gruner	Drill Bit Trophy
	Golf Balls
Songer Insurance Agency	\$ 100 Gift Certificate
Union Carbide	Linde Star Necklace
	Gold Putter

Fishing Tournament

Anker Energy Corporation	Fishing Rods (4)
	Tackle Boxes (4)
	Plaques

Fun Run

Nell Jean Enterprises	\$ 50 Gift Certificate
VME Americas	\$ 50 Gift Certificate

New Members of 'Coal's first Team'



In the past year, during which the Association engaged in a major membership drive, a total of 103 companies have joined the ranks of WVMRA. Following is a list of new members, approved from August 1986 to August 1987.

Aappalachian Explosives-Romney
A. DeProspero & Sons, Inc.-Masontown
Appalantic Corp.-Clarksburg
Aren & Associates, Inc.-Beckley
Argo Sales Co., Inc.-Wintersville, OH
Atha Trucking-Bridgeport
Atlas Gas Products, Inc.-Steubenville, OH
Austin Powder Co.-Latrobe, PA

Beitzel Welding & Construction, Inc.-Grantsville, MD
Black Rock Test Labs, Inc.-Morgantown
Blair Motor Supply Co.-Clarksburg
Bruffey Trucking, Inc.-Walkersville

C. & F. Trucking Co., Inc.-Delbarton
Callaghan & Associates, Inc.-Charleston
Central Hydraulic Service, Inc.-Logan
Construction & Mining, Inc.-South Charleston
Coopers and Lybrand-Pittsburgh, PA
Country Boy Seed Co.-Abingdon, VA
COWACO-Charleston
Credit Alliance Corp.-Pittsburgh, PA

D & J Truck & Equipment Cleaning -Catlettsburg, KY
D.H. Warren Oil Co.-Beckley

Del-Mar Hydraulic Service, Inc.-West Logan
De'Lyn, Ltd.-Skelton
Drilco Industrial-Belle
Drennen Enterprises, Inc.-Princeton
Dryden Oil Co.-Williamstown
Dunn Geosciences Corp.-W. Chicago, IL

Edwards-Warren Tire Co.-Harper
Eller, Inc.-Beckley
Ensign Bickford Co.-Lexington, KY

Fairfax Fuel, Inc.-Kingwood
Fitzpatrick Contractors-Kermit
Frank E. Cober & Sons, Inc.-Somerset, PA

Gary W. Turner & Co., P.A.-Birmingham, AL
General Tire-Bluefield
Glottelty Enterprises-Oakland, MD
Golden Enterprises, Inc.-Williamson
Green Mountain Co.-Charleston
Gress Equipment Co.-Nitro
Guttman Oil Co.-Elkins

Hildebrand Hauling, Inc.-Oak Hill
Howard Needles Tammen & Bergendoff-Lexington, KY
Howell & Paterno-Charleston

Industrial Resources, Inc.-Fairmont
Interstate Chemical Co., Inc.-Marietta, OH

J.F. Allen Co.-Clarksburg
Johnny's Radiator Repair, Inc.-Clarksburg
Johnstown Coal Co.-Clarksburg

Welcome to WVMRA 1986-87



KaJon Materials, Inc.-Erie, PA
Kanawha Mining Co., Inc.-Charleston
Kelley, Gidley, Blair & Wolfe, Inc.-Charleston
Keplinger Lime Co., Inc.-Maysville

Lee Sartin Trucking Co., Inc.-Naugatuck
Lester and Simpson Coal's, Inc.-North Tazewell, VA
LeTourneau Sales & Service, Inc.-Memphis, TN

Mabscott Supply Co.-Beckley
Mack Trucks, Inc.-Atlanta, GA
Meyer, Darragh, Buckler, Bebenek & Eck-Charleston
Miami Coal Co., Inc.-Fairmont
Mon Valley Coal & Lumber Co.-Morgantown
Mountaineer Mine Safety & Training, Inc.-Beckley

Nanack Tire & Equipment Inc.-Pikesville, KY
National Lubricating Products Co.-Brilliant, OH
Nobel Group Benefits-Canonsburg, PA

Octagon Associates, Inc.-Kingwood

P. B. & S. Chemical Co.-St. Albans
Paul L. Bird Explosives, Inc.-Berlin, PA
Philip R. Berger & Associates, Inc.-Mars, PA
Phillips Machine Service, Inc.-Beckley
Pioneer Construction-Summersville
Premier Energy, Inc.-Beckley
Preston Machine Enterprises-Kingwood
Pretzel Excavating-Bruceton Mills

Quality Coal Co.-Cheshire, OH

R.M. Wilson Co., Inc.-Wheeling
Rebuild, Inc.-Dennison, OH
Reckart Equipment Co.-Elkins
Rectron, Inc.-Williamson
Reed Mining Tools, Inc.-Beckley
REICHdrill, Inc.-Philipsburg, PA
REMANCO/Reserves Management Co.-Charleston
Roblee Coal Co.-Buckhannon
Rob-Lu Oil Co., Inc.-Clarksburg
Rogers Petroleum Services, Inc.-Pikeville, KY
Rudd Equipment Co.-Charleston

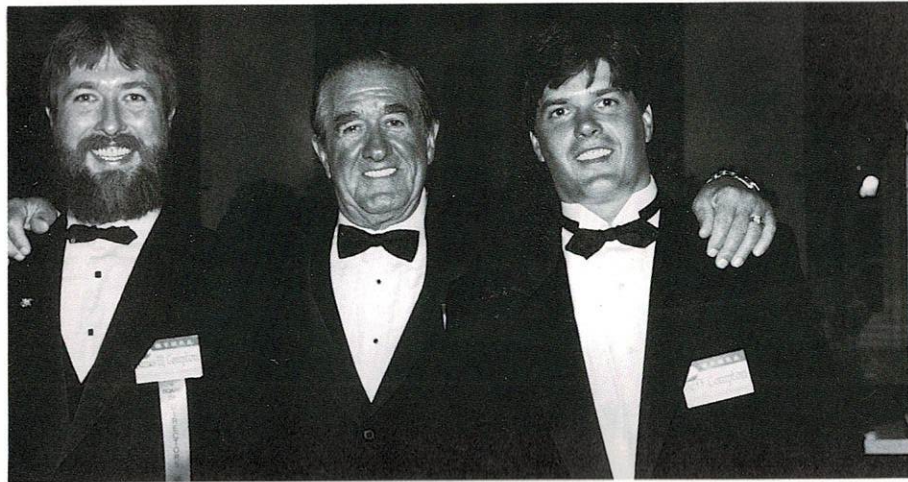
Schaeffer Lubricants-St. Albans
Sentry Oil & Grease, Inc.-Cabot, PA
Shamblin Stone, Inc.-Institute
Smith & Denny, CPA-Clarksburg
Spilman, Thomas, Battle & Klostermeyer-Charleston
Stowers Fire Extinguisher Service-Williamson

Tammie Lynn Coal Co., Inc.-Beckley
Terry Eagle Coal Co.-Summersville
The BFGoodrich Co.-Brecksville, OH
Tricon Metals & Services, Inc.-Bluefield, VA
Trojan Corp.-Uniontown, PA

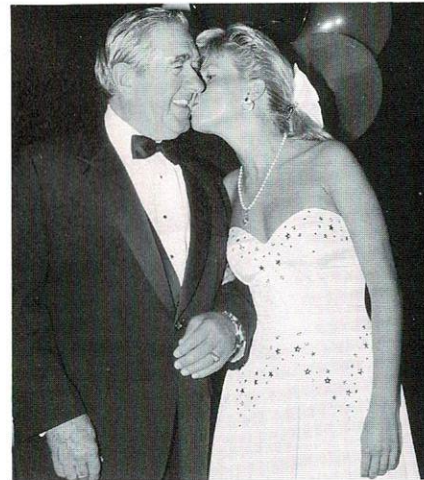
Valley Steel Service, Inc.-Dailey
Vern Allen Tire Co., Inc.-Morristown, OH
Viking Coal Co., Inc.-Kingwood

Warner Laboratories of WV, Inc.-Gorman
Weighing & Control Services, Inc.-Brandon, FL

Young Enterprises-Hurricane



With sons Jim (l), and Jeff (r).



With daughter Jennifer.

C.E. "Jim" Compton

C.E. "Jim" Compton, one of the founding fathers of WVMRA, has stepped down from the Board of Directors.

Mr. Compton has been a leader, not only in the Association, but in the coal industry, and in most other facets of West Virginia life, throughout his career.

We are confident and hopeful, that his official retirement does not signal the end of his involvement with the many projects, including WVMRA, to which he has generously devoted his talent and resources over the years. (See related story on page 42).



Jim confers with Lawson Hamilton....



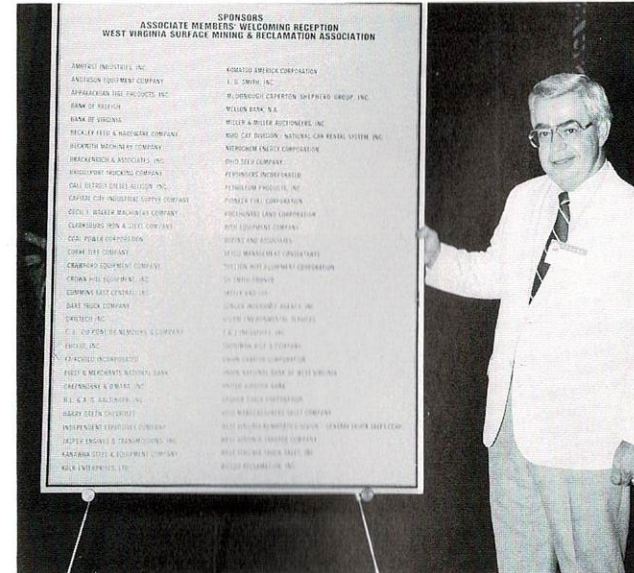
....and poses with Tracy Hylton.



Jim participates in the final disposition of the EPA project.



The Comptons of Bridgeport--l-r C.E. "Jim" Compton, his wife Julia, daughter-in-law Becky, son Jeff, daughter-in-law Sally, son Jim (new board member), daughter Alfreda Dearth, and grandson Bernie Dearth (our new Associate Division Chairman).



Frank Vigneault has served long and well as chairman of the Associate Division.



Flanked by Carol Greene and Mary Alice Vigneault, Frank receives a well deserved standing ovation at the Chairman's breakfast.

Frank Vigneault Retires

Frank W. Vigneault has retired as chairman of the Associate Division.

Simultaneously, Frank steps down as vice president of sales for **Cecil I. Walker Machinery Co.** of Charleston.

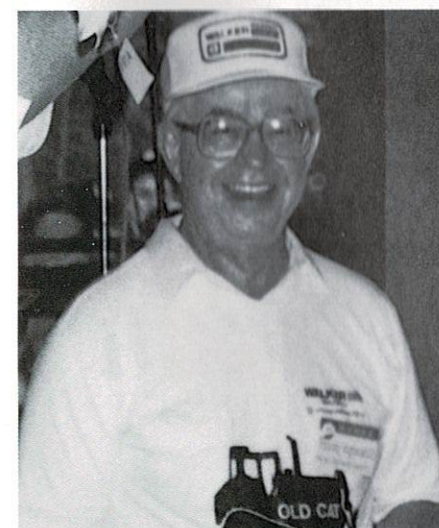
Frank was a long time member of the Association's Board of Directors, serving from 1972-1980, from 1981-84, and again from 1985-87.

He first took up the reins of the Associate Division in 1981, and, through four terms as chairman has guided this critical segment of the Association through a period of unprecedented growth.

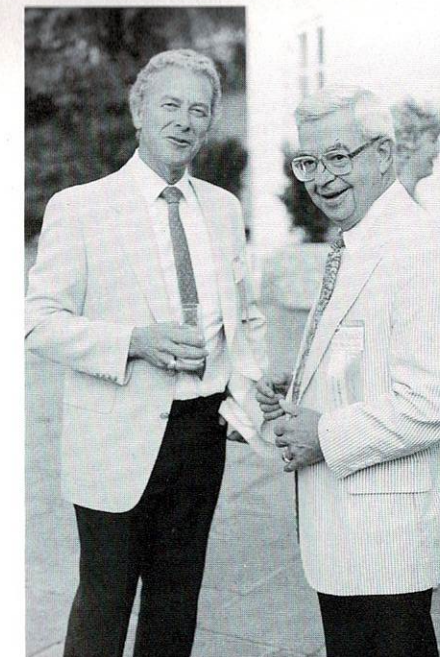
Although he is officially retired, we hope that he will remain a familiar face at future meetings.



At the EPA ceremony.



The shirt says 'Old Cat', but we know better.



With 2nd Vice Chairman Paul Hutchins.



Frank and Mary Alice at the closing banquet.



Lawrence Streets of Allegheny Mining was recognized as the man who originated the idea of the hugely successful "Coal Miners' Party" on Kate's Mountain.

Company Pride 1987

"Company Pride" is now a tradition with WVMRA. Once again, a highlight of the Friday night Coal Miner's party was the Company Pride competition.

This display of the pride of employment by members and friends of the Association during the Annual Meeting, has become a tool of rejuvenation for all who attend.

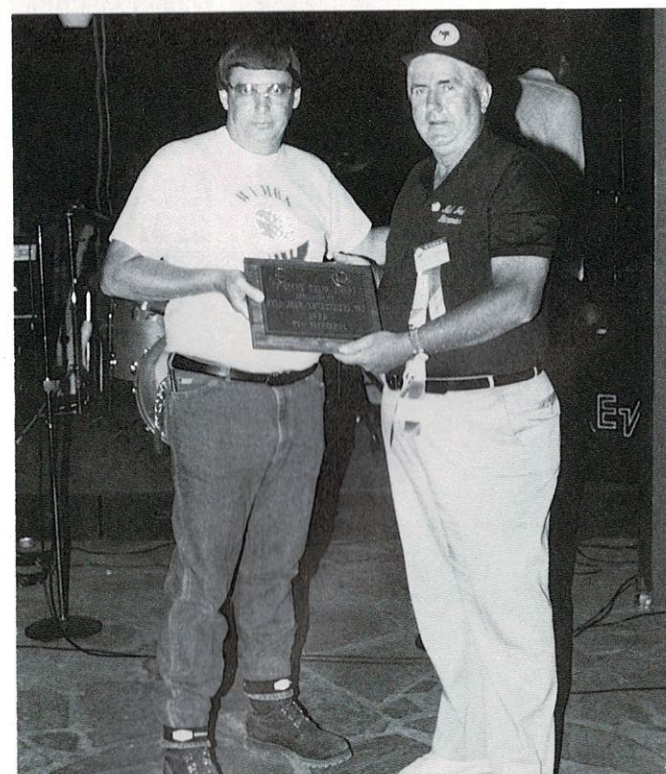
Congratulations to the winners and thanks to all who participated.



Tracy Hylton (r) of Nell Jean Enterprises, already wearing a Ford Coal jacket, reciprocates by presenting Ford man **Lawson Hamilton** with a Nell Jean jacket. Both Lawson and Tracy came up winners in the "Company Pride" competition.



Terry Miller (l) picks up **Colony Bay Coal Co.'s** plaque as the Company Pride winner (General Division) for 1986. Association President **Ben Greene** does the honors.



Tracy Hylton (r) accepts the 1986 Associate Division Company Pride plaque from **Ben Greene**. **Nell Jean Enterprises** soon after became the first repeat winner.



Ford Coal Co. brought home the bacon, in the form of the bronzed dinner bucket, symbolic of the winner of the annual Company Pride competition on Kate's Mountain. Ford was the winner in the General Division.



Nell Jean enterprises successfully defended its lunchbucket with this outstanding turnout which captured the Associate Division title for the second straight year.

Company



Pride



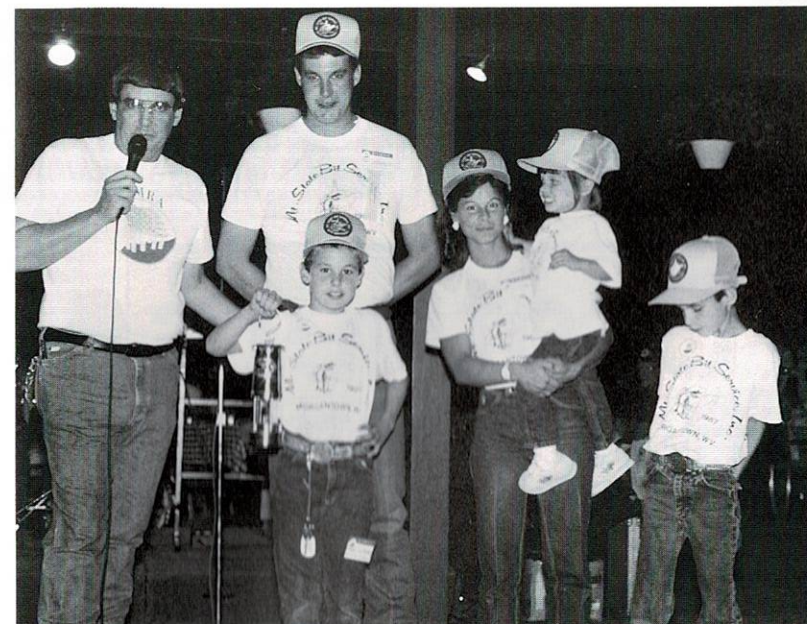
Gibson Explosives Cos.--Roy Cole, Cathy Gibson, Bob Gibson, Rebecca Gibson, Mary Warden, Tim Warden, Deanna McClanahan, Jim McClanahan.



Anker Energy turned out 15 strong to capture runner up honors in the Company Pride competition.



West Virginia Explosives Co.--Waller and Connie Caldwell, Joe and Beth Longmire, Charlie and Drema Miller, Becky and Bruce Wood.



Last year's winner of the Company Pride Family Division, with their engraved brass flame safety lamp--the Laskody's of **Mt. State Bit Service**--Chad, in front, Skeeter Sr., Debbie, Jessica, and Skeeter, Jr.



This year's winners were the Woodward's, also of **Mt. State Bit Service**--Justin, Cricket, Becky, and Don.



Arlou and Ed Surgeon of **Cummins Cumberland**.



Walker Machinery Co.--(l-r) Rachel Williamson, Frank and Mary Alice Vigneault, John Williamson, Diane and Steve Walker.



Starvaggi Industries--(l-r) Arlene Bush, Joan Donell, Lynn Dulaney, Don Donell, Phil Dulaney, George Bush.

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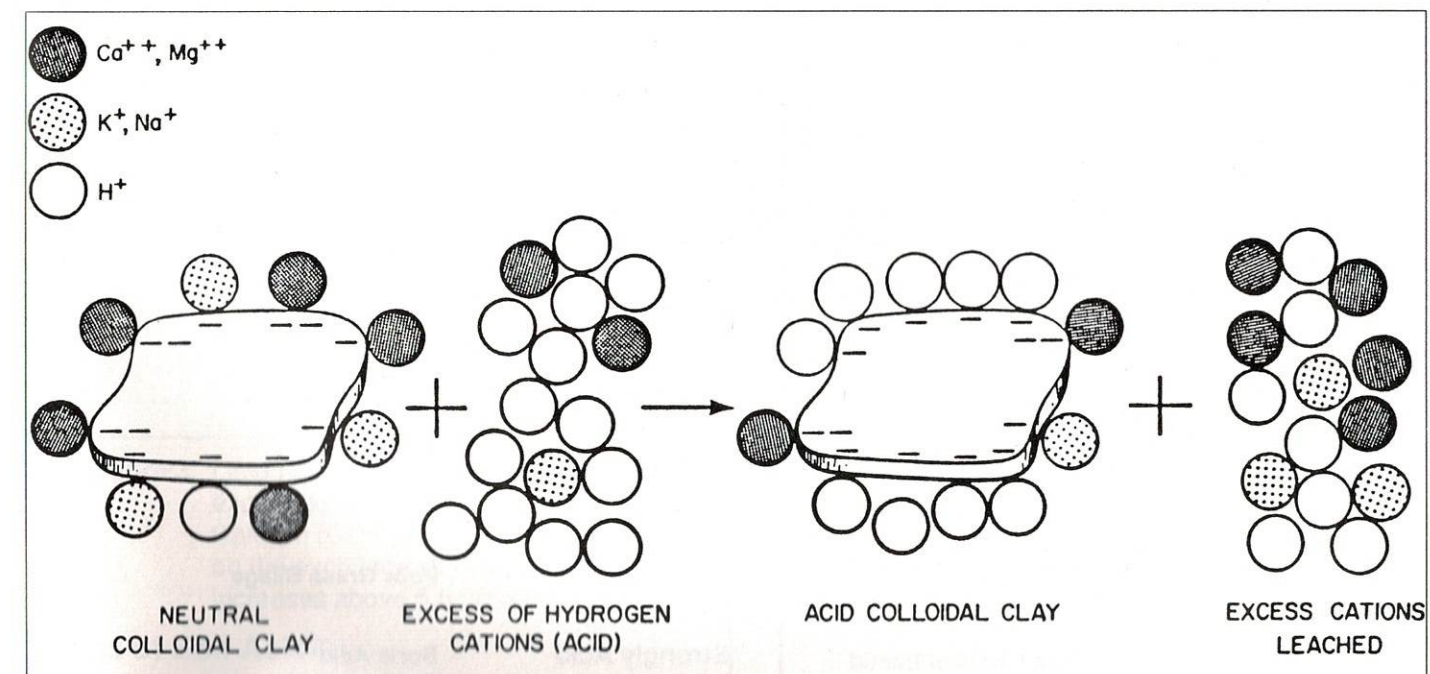


Figure 1. Soils that receive more than 25 inches of rainfall usually become acidic over time. High amounts of precipitation gradually leach calcium and other bases from cation exchange sites (represented by the negative signs on the soil particles) with replacement by acidic cations. (Source: Donahue et al. 1977).

Acid Soils & Liming Principles

by
Dr. Jeff Skousen
Extension Specialist-Land Reclamation
West Virginia University

What is an Acid Soil?

By definition, a soil is called acid when soil pH is less than 7.0. A soil may be naturally acid because it was formed from parent material weathered from acid rocks containing little or no limestone or other calcareous components. Soils can also become acid as basic elements, such as calcium (Ca^{+2}) and magnesium (Mg^{+2}), are leached from the soil profile in humid areas. This soil leaching gradually replaces soluble salts, soluble minerals, and basic cations with exchangeable hydrogen (H^+), and various forms of hydrated aluminum and iron compounds (Figure 1).

Continued leaching of already acid soils leads to weathering of silicate clays which releases silica and more aluminum and iron.

Acid soils can also develop from parent materials containing pyrite or other sulfide minerals. These acid-producing minerals are commonly associated with coal seams and certain marine clays. In mining, placement of acid-producing minerals near the surface during reclamation can produce conditions of accelerated weathering and oxidation which may produce acid soils.

The pH Scale

Found rarely in organic soil surface layers

Found occasionally in some soils in humid regions

Suitable for blueberries, azaleas, and rhododendrons

Typical of many unlimed soils of humid regions-suitable for potatoes

Suitable for grasses, but 6.5 would be better

Suitable for gardens, commercial vegetables and grasses

Best for growth of most forage crops

Suitable for alfalfa, but not necessary; danger of overliming injury on sandy soils

Hazard of deficiencies of boron and manganese

Ground limestone has a pH of 8.3. A pH above 8.3 is caused by sodium.

Found only in alkaline soils of arid west or where materials such as wood ashes have been used in excess.

Figure 2.
The numerical pH scale is represented by the vertical lines. To the left of the line are listed soil pH conditions and plant environment. To the right are verbal designations of soil acidity/alkalinity. On the far right are the pH designations of some familiar products and substances.

1		Hydrochloric Acid
		Phosphoric Acid
2		Lemons
		Vinegar
3		Grapefruit
		Apples
4		Good Grass Silage
		Superphosphate
		Tomatoes
		Beer
5	Very Strongly Acid	Poor Grass Silage
	Strongly Acid	Boric Acid
		Fresh Beans
	Medium Acid	Distilled Water
6		Open to Air
	Slightly Acid	Fresh Corn
7	Very Slightly Acid	Cow's Milk
	Neutral, Very Slightly Alkaline	Distilled Water
		Human Blood
	Slightly Alkaline	Manure
8		Sea Water
	Medium Alkaline	
	Strongly Alkaline	Bicarbonate of Soda
9	Very Strongly Alkaline	
10		Milk of Magnesia
11		Ammonia
		Washing Soda
12		Trisodium Phosphate
13		Lye

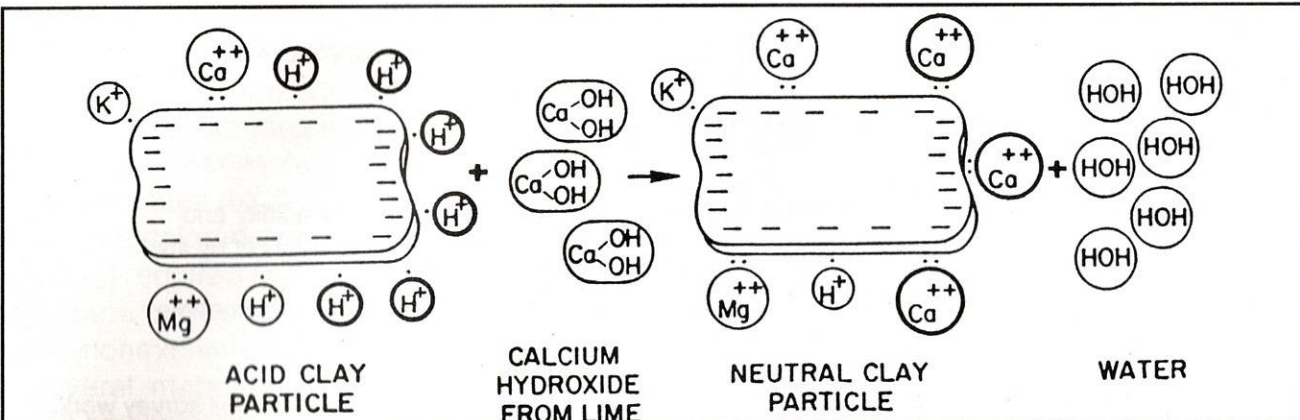


Figure 3. Lime neutralizes acidity and adds calcium to soils. In this example, hydrogen ions (H^+) from the exchange sites combine with hydroxide ions (OH^-) supplied by calcium hydroxide to form water. Calcium (Ca^{+2}) replaces the H^+ on the exchange sites. In the same way, aluminum ions (Al^{+3}) on the exchange sites react with OH^- to form insoluble aluminum hydroxides ($Al(OH)_3$) as pH increases above 5.5. (Source: Donahue et al. 1977).

Types of Soil Acidity

Several forms of acidity contribute to the total acidity and lime requirement (LR) of a soil. The four forms are called active acidity, exchangeable acidity, nonexchangeable acidity, and potential acidity. Since there are several forms of acidity in an acid soil, and each form tends to react sequentially as the pH is increased, different methods have been developed to measure each form or a combination of forms.

Active acidity relates to the concentration of hydrogen ions (pH) in the soil solution (Figure 2). This acidity is measured directly by a pH meter and may be neutralized with a small amount of neutralizing agent. Calcium carbonate ($CaCO_3$), a common neutralizing agent, reacts with soil water (HOH) to form calcium, carbonic acid (HCO_3^-), and hydroxide (OH^-) in the soil. Another neutralizing agent is calcium hydroxide, $Ca(OH)_2$ (Figure 3).

Exchangeable acidity is a fairly arbitrary quantity which is correlated to exchangeable aluminum, and exchangeable hydrogen, iron, and manganese. One method to measure exchangeable acidity is by potassium chloride (KCl) extraction or some other neutral, unbuffered salt solution.

Nonexchangeable acidity (also called titratable or extractable acidity) is the acidity in a soil that is attributed to aluminum and other hy-

droxy-polymers on the exchange sites. This acidity is neutralized when a base is added until the soil-base mixture reaches a pH of 8.2. The barium chloride-triethanolamine ($BaCl_2$ -TEA) method modified by Mehlich (1953) can be used to extract acidic cations at a pH of 8.2 and measures active, exchangeable, and nonexchangeable acidity. The acidity neutralized at pH 8.2 corresponds to complete neutralization of adsorbed acidic cations (hydrogen, aluminum, iron, manganese) and their hydroxy-polymers ($Al(OH)_x$, $Fe(OH)_x$, $Mn(OH)_x$). Complete neutralization of acidic cations also relates to 100 percent base saturation of cation exchange sites. It takes much more lime to neutralize exchangeable and nonexchangeable acidity than that required to neutralize active acidity.

Potential acidity is the soil acidity that may result from oxidation of unweathered parent material or other unweathered compounds in the soil. Generally, the greatest amount of potential acidity is produced when metal sulfides lying deep in the earth are disturbed and exposed to weathering conditions during road construction or mining activities. The oxidation of these minerals over time can release large amounts of hydrogen, iron and sulfate (SO_4^{-2}) and greatly increase the lime needed to neutralize the acidity generated in the soil.

Table 1. Common methods used to measure soil acidity and the type(s) of acidity that each evaluates.

Method	Type of Acidity ¹	Comments
1. pH Meter	ACT	Only measures active acidity and is not used to determine LR ² by itself.
2. KCl Extraction	ACT, EX	Gives an estimate of exchangeable aluminum and hydrogen.
3. BaCl ₂ -TEA Extraction	ACT, EX, NEX	A widely-used technique in soil survey work, but usually overestimates LR for most soils.
4. Incubation	ACT, EX, NEX	Requires a great amount of time to allow the soil-water-base suspension to equilibrate.
5. Buffer (Mehlich, SMP, Woodruff)	ACT, EX, NEX	Most Laboratories use some type of buffer technique.
6. Acid-Base Accounting	POT	Was not developed to be used as an LR Test.
7. H ₂ O ₂ Oxidation	POT	Only a few laboratories use this method.

¹ ACT-active acidity
NEX-nonexchangeable acidity
EX-exchangeable acidity
POT-potential acidity
² LR-lime requirement

How is the LR Determined for Acid Soils?

The LR of an acid soil is the amount of lime or other base needed to neutralize the acidity from an initial condition to a selected less acid condition. There are numerous methods to determine LR with each giving a different lime recommendation based on the form and amount of soil acidity that the particular method extracts (Table 1). Lime requirement tests will always recommend adding enough lime that will neutralize active acidity, and some portion of exchangeable and nonexchangeable acidity. Other methods for determining lime application rates in new soils are based upon potential acidity. Laboratory methods to determine LR include the following:

1. Soil-base incubations or soil equilibration with lime;
2. Leaching with a buffered or unbuffered solution, followed by titration of the leachate;
3. Equilibration with a buffered solution and

- estimation of acidity by pH change;
4. Acid-Base Accounting comprising 1) total or pyritic sulfur analysis to estimate potential acidity, and 2) neutralization potential;
5. Hydrogen peroxide for estimation of potential acidity.

The best known **incubation procedure** involves adding increments of a base (such as calcium hydroxide) to a soil suspension, allowing the mixture to equilibrate for a period of time, and then measuring soil pH. The results are displayed on a graph (pH on the y axis and amount of base added on the x axis). The curve levels off at a pH of 8.2 which corresponds to calcium saturation of exchange sites and neutralization of active, and most exchangeable and nonexchangeable acidity. Because the time required to reach equilibrium often is excessive (weeks), this method is time-consuming.

Leaching techniques usually employ potassium chloride or barium chloride-TEA which are leached through measured amounts of soil. The leachate is collected and the amount of hydrochloric acid (HCl) required to titrate the leachate to a colored end point (subtracted from that amount required to neutralize a non-leached sample) determines active, and most exchangeable and nonexchangeable acidity.

Several methods for determining LR are based on equilibrating soil with a **buffer solution**. For example, the West Virginia University Soil Testing Laboratory uses the Mehlich buffer method. Other common methods are the SMP method and the Woodruff method. For these buffer methods, a known amount of a weak liming agent (usually the agent has a pH of 6.5) is added to the soil sample, the mixture is allowed to equilibrate, and the pH is measured. The LR is read directly from a table based on the pH of the soil after the buffer has been added (Table 2). The table is developed from years of data relating soil response to liming in particular regions. The lower the pH, the greater the LR. Buffer procedures are widely-used and the specific technique varies from region to region depending on the predominant soil properties of the region.

The preceding methods used to determine LR measure only active acidity, and portions of exchangeable and nonexchangeable acidity in the soil. For most soils used in agricultural production, calculating the LR from active acidity, and most of exchangeable and nonexchangeable acidity constitutes the soil acidity that should be neutralized by liming. Such soils rarely have any potential acidity because they rarely contain appreciable amounts of unweathered materials. However, new soils developed from man-made disturbances containing unweathered minerals, (such as surface mine spoil) may contain high levels of potential acidity. Potential acidity may overwhelm the other three types of acidity in these man-made soils. If high levels of pyrite exist in the soil and the pyrite is oxidizing, the LR can be calculated from potential acidity. However, a regular lime requirement test should still be conducted on the sample to compare to the potential

Table 2.

Lime requirement in tons per acre based on the pH of the soil after a buffer solution has been added. The WVU soil testing laboratory uses the Mehlich buffer method to determine lime requirement.

pH	Tons/Acre
6.5	0.4
6.3	1.2
6.0	2.4
5.8	3.2
5.5	4.4
5.2	5.6
5.0	6.4
4.7	7.6
4.5	8.4
4.0	10.4

acidity value.

Soils developed from disturbance activities may contain unweathered rock with acid-as well as base-producing materials. In such soils, a two-part laboratory procedure called **Acid-Base Accounting** is recommended to estimate the LR. The first part of the analysis simply measures the sulfur content of the soil which gives an estimate of all potential acid that may be produced and released from any sulfide minerals in the sample. Sulfur may exist in three forms (pyritic, weathered sulfate minerals, or organic), but only the pyritic type (sulfide form of sulfur) is potentially acid-producing. The percent sulfur of the material is determined by a sulfur analyzer, and then is multiplied by 31.25 to calculate the tons of CaCO₃ equivalent per 1000 tons of material. When part of the sulfur occurs in non-acid forms, the calculated potential acidity value will be too high, and hence the LR will also be too high. Measurement of total sulfur provides a maximum value of lime needed to neutralize all acidity if the sulfur is present as pyritic material. If the pyritic sulfur content is determined rather than the total sulfur content, the LR estimate is more accurate.

The second part of the analysis is called the neutralization potential and measures the amount of "neutralizers" present in the soil (alkaline carbonates, exchangeable bases, weatherable silicates containing calcium and potassium,

or other neutralizing material). Researchers at WVU have related a negative neutralization potential value to represent the immediate lime requirement (or the lime needed to neutralize acidity that has already resulted from pyritic oxidation). Further lime would be added to neutralize the acidity that will be produced.

Once the potential acidity and neutralization potential are obtained, these two values can be combined to determine the LR. However, the LR as determined by Acid-Base Accounting is a maximum value and may be reduced because: 1) sulfate sulfur may comprise 25 to 50 percent of the total sulfur in developing minesoils, 2) pyritic materials generally weather slowly, and 3) application of heavy rates of lime (> 25 tons/acre) require extensive mixing with the soil and often do not neutralize significantly more acidity than 5 to 10 tons/acre of lime. The reduction in the liming rate must be based on experience and other properties of the soil material. More research is needed to clarify the use of Acid-Base Accounting as a LR test.

Soil acidity (including potential acidity) can also be determined by the **hydrogen peroxide** (H_2O_2) oxidation method. The University of Kentucky utilizes this procedure to measure all oxidized and unoxidized sulfur forms, then compares the value obtained by H_2O_2 oxidation to the LR value determined by the SMP buffer technique. Lime recommendations are then based on whichever method results in the higher lime application rate.

What Method of Determining LR Should be Used?

Any one of the buffer techniques appears to be a good indicator for estimating LR if the material has little or no pyrite. It is critical that the value from your soil sample be correlated with the response to liming of soils in your area. However, if there is evidence that unweathered sulfide minerals exist in the soil, a buffer method and Acid-Base Accounting (or H_2O_2 oxidation) should be conducted on the sample. Lime recommendations should be based on whichever method re-

sults in the **higher** lime application rate. The buffer method should be used to determine LR when sulfide minerals are in low amounts, or when the potential acidity value is lower than the value obtained by the buffer method. Again, the buffer method does not measure unweathered sulfide minerals. If these minerals are present in the soil, the buffer method will underestimate the lime needed to raise and maintain pH at 6.0.

Benefits of Liming

Lime neutralizes soil acidity and adds calcium to the soil. Maintaining the pH between 5.5 and 7.0 by liming is recommended since this is the range where plant nutrients are most available, and toxic elements are less available. Liming acid soils also improves the environment for most soil microorganisms. This promotes a more rapid breakdown of organic matter in the soil, thereby releasing more nutrients for plant uptake. It also benefits the specialized Rhizobium bacteria which nodulate legumes (clovers, trefoil, alfalfa) and fix atmospheric nitrogen for plant use.

Lime Sources and Quality

The most common source of lime is ground limestone ($CaCO_3$) which is readily available in West Virginia. Other liming materials are dolomite ($Ca-MgCO_3$), quicklime (CaO), hydrated lime ($Ca(OH)_2$), slag ($CaSiO_3$), and marl (impure form of $CaCO_3$). These other materials are usually more expensive and are used for more specialized purposes.

The fineness or particle size of the liming material is also important. Finer particles react faster because more surface area can contact the soil. Finely ground limestone (100-mesh size) tends to react and raise pH within several weeks after application, whereas larger particles (60 to 20-mesh) can take 6 months to 2 years for increases in soil pH to be realized. For best results, 95 percent of the limestone should pass a 20-mesh sieve, 60 percent should pass a 60-mesh sieve, and 50 percent should pass a 100-mesh sieve.

Liming Practices

Lime can be applied at any time. However, it takes time for the lime to dissolve and neutralize soil acidity. For this reason, it is recommended to lime approximately 3 to 6 months before planting crops, and especially crops which have a higher pH requirement (such as legumes). Fall applications are beneficial because they allow the lime to dissolve before the next growing season. Apply and incorporate lime a month or more before adding fertilizers, since it may interfere with availability of fertilizer nutrients.

For maximum benefits, lime should be thoroughly mixed into the top 6 inches of soil or

deeper. This is especially critical when soil pH is very low and a large application of lime is needed. Mixing is also very important on areas where high amount of unweathered sulfide minerals are known to occur. It is important to achieve a high level of contact between lime and soil particles. Surface application of lime can be effective but requires more time to show the effects.

On a practical basis, 5 tons/acre is the highest rate normally recommended for surface application of lime with no incorporation. With proper incorporation of the lime into the soil, larger amounts may be applied.

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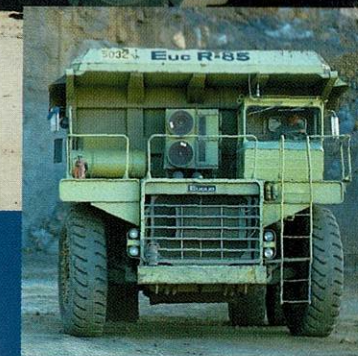
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The Unsinkable Jim Compton

by Jim Comstock

Small pebbles sometimes can make big splashes. What I mean is that often epochal events can be proclaimed most casually. What I really want to say is that the man in charge of the business meeting of the West Virginia Surface Miners Association, at the Greenbrier last week, announced offhandedly that Jim Compton was resigning and handing the reins over to a son. The son has been brought up in the master's footsteps and I know things will go off without a hitch. But I am still appalled that Jim Compton is really quitting, because no quitter he. And I know how he will quit. He will quit his earning job and give more of himself to his giving job, the side line he has been engaged in for so many years.

Jim Compton is a most remarkable man, Lord, how many years I've known him. I don't remember the year, but I recall the occasion of first meeting Jim and his wife. My wife and I had been invited to dinner at the home of Margaret Merrells and her late husband Bill and the Comptons were also guests. I had heard of Jim, as any alert West Virginian had, as the inventor of the famous Compton coal auger. Only I wasn't sure what it was exactly he had invented, I not being in coal and

coal then being remote in time from Nicholas County. I knew of a coal auger, a kind of brace and bit, used to bore a long cylindrical hole into a wall of coal and the hole filled with blasting. That sets up a domino memory reaction of Alfred Nobel (1833-1869), who invented blasting, thinking he had done something to ease a farmer's job in getting stumps out of the ground, and then to see his brain child was also used to blast an enemy to Kingdom Come. More chain reaction causes me to report that Nobel sought to pay penitence for the awesome effects of his invention over his good intentions by putting his gains therefrom in trust to reward people for achievements in world peace and universal betterment.

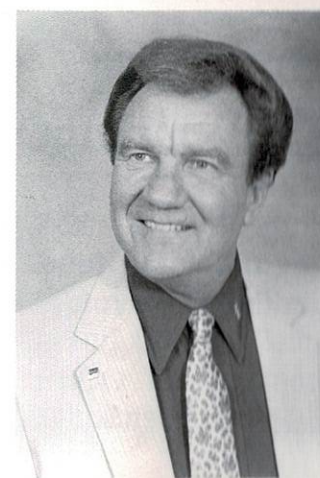
Now what I say is that Jim Compton is somewhat like Alfred Nobel in that his gains from the riches he harvested from beneath the earth have been, and will be, used for the betterment of people, though, unlike Nobel, he has no gnawing of conscience to goad him toward the good. He sold his auger rights to Joy Manufacturing for a good penny, I'd guess, and he owns Barbour Coal and Grafton Coal, and I don't know what else, and now the man up front in the meeting tells his au-

dience that Jim Compton is retiring.

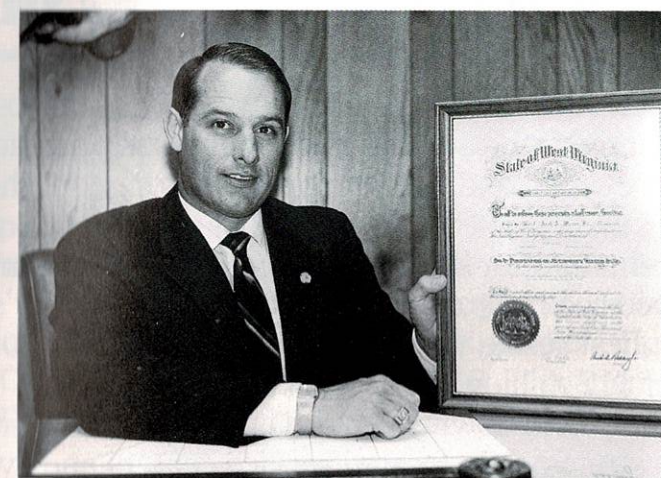
Haw, I say knowing the man as I do. He will be redoubling his efforts in the field that he has become a real bug at, which is better nutrition, better eating habits, especially for kids. School kids. He has endowed a chair at West Virginia University.

Back in my pre-born-again days he purchased a page a week to propound his theories. And along with all this, on his farm near his Bridgeport home, he has been, maybe still is, producing a fat-free meat by crossing buffaloes with cattle and calling the meat beefalo. And on top of all that he has been working with Governor Moore and with the West Virginia delegation to get the government to pay attention to kid's hot lunch programs in school and ban soft drinks and French fries and other friendly enemies of mankind. So, that's the way Jim Compton is going to retire, doubling all of his efforts for the betterment of the world, starting with kids. My hat's off to him. His kind of devotion, his drive is the embodiment of a universal religion, emphasized by the best tenet of Christianity, that which says, "In so much as you do for the least of these, you also do for Me."

Association Notebook



Former WVMRA Board member **Jack R. Fairchild**, of **Fairchild International** has been named to the Board of Directors of the National Independent Coal Operators Association.



Former Board member **John Sturm** of **Sturm Environmental Services Inc.**, has been reappointed to the West Virginia Reclamation Board of Review. John's new term on this vitally important body will extend until June 30, 1992.



Newly elected Board member **Daniel T. Pochick** is also the new president of **Rish Equipment Co.** Dan assumed the top position in the company last May. Rish operates in West Virginia, Virginia and Maryland.



John and Carol Faltis of **Anker Energy Corp.** have established the "Carol Ann Faltis" Scholarship in the Department of Foreign Languages at West Virginia University. The scholarship will provide assistance for travel, books, and other expenses to qualified undergraduate foreign language majors. Left to right are: Arts and Sciences Dean **Gerald E. Lang**, Foreign Languages Chairperson **Robert Elkins**, Carol and John, Vice President **Frank Franz**, and WVU Foundation Vice President **Robert Gwynne**.



Lawson Hamilton, Jr. of **Ford Coal Co.** was recently appointed to the Board of Advisors at West Virginia University.

Lawson was named to replace fellow WVMRA Board member **Buck Harless** of **Lynn Land Co.**

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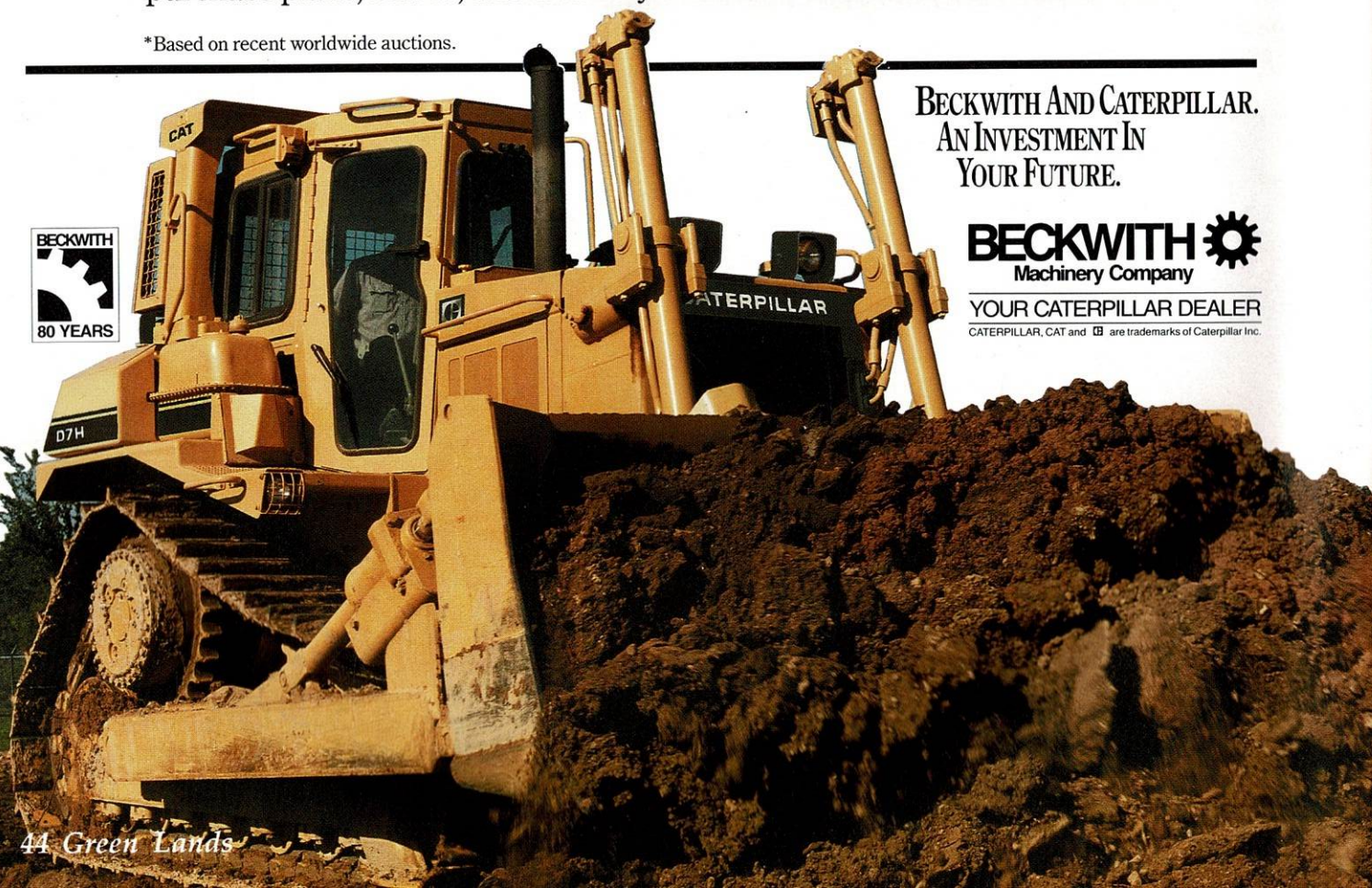
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Coal Calendar

October

27-28 "What Every Supervisor Should Know About Maintaining Pro-Active Union Free Employee Relations," Boone Lake Training Center, Bristol, Tenn., contact Gracie Gilliam, SESCO Management Consultants, P.O. Box 1848, Bristol, Tenn., 37621, (615) 764-4127.

27-29 "Drilling and Sampling of Subsurface Materials," Carnahan House, Lexington, Ky., contact Mary Lou Johnson, OSITL, University of Kentucky, Lexington, Ky. 40506, (606) 257-2846.

NOVEMBER

31-6 23rd Annual American Water Resources Association Conference and Symposium, Salt Lake City, Utah, contact Richard Dworsky, Bureau of Land Management, 701 C St., Box 13, Anchorage Alaska, 99513, (907) 271-3349.

12-13 Pennsylvania Blasting Conference, Keller Conference Center, University Park, Pa., contact Dr. Lee W. Saperstein, Department of Mineral Engineering, 118 Mineral Sciences Bldg., University Park, Pa. 16802, (814) 865-7472.

16-18 Elements of Coal Preparation, University Park, Pa., contact R.L. Frantz, Penn State University, University Park, Pa. 16802, (814) 865-7472.

December

1-2 "What Every Supervisor Should Know About Maintaining Pro-Active Union Free Employee Relations," Boone Lake Training Center, Bristol, Tenn., contact Gracie Gilliam, SESCO Management Consultants, P.O. Box 1848, Bristol, Tenn., 37621, (615) 764-4127.

7-8 Blaster Certification Training & Testing Session, Holiday Inn Charleston House, Charleston, contact Bill Raney, West Virginia Mining & Reclamation Association, 1624 Kanawha Blvd. E., Charleston 25311, (304) 346-5318.

7-11 National Symposium on Mining, Hydrology, Sedimentology and Reclamation, Springfield, Ill., contact Juanita Graves, Office of Continuing Education, University of Kentucky, Lexington, Ky. 40506, (606) 257-3971.

8-9 Blaster Certification Training & Testing Session, Holiday Inn Charleston House, Charleston, contact Bill Raney, West Virginia Mining & Reclamation Association, 1624 Kanawha Blvd. E., Charleston 25311, (304) 346-5318.

January

14-15 15th Annual West Virginia Mining Symposium, Holiday Inn Charleston House, Charleston, contact Patty Bruce, West Virginia Mining & Reclamation Association, 1624 Kanawha Blvd. E., Charleston 25311, (304) 346-5318.

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Clinton Daugherty

Clinton Daugherty, superintendent, Anchor Mining Company, Logan, West Virginia is operating the Komatsu WA 800-1 Wheel Loader on a contour surface mining project in Mingo County, West Virginia.

The WA 800-1 is loading sandstone material following the blasting phase. "We're working on two to one slopes so we're not always breaking up the material very well in our blasting. So we're loading large and rugged material. I've

"The WA 800-1 is a true production machine. It has all the power it will ever need and it's built for the operator."
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operated other makes of loaders and none of them can compare to this one," Daugherty said. "And the Rish service can't be beat by anyone." State-of-the-art technology from Komatsu and quality parts, service and technical support from Rish make Komatsu the choice for a growing number of coal surface mining contractors throughout the area. For more information on Komatsu wheel loaders, call us today.

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