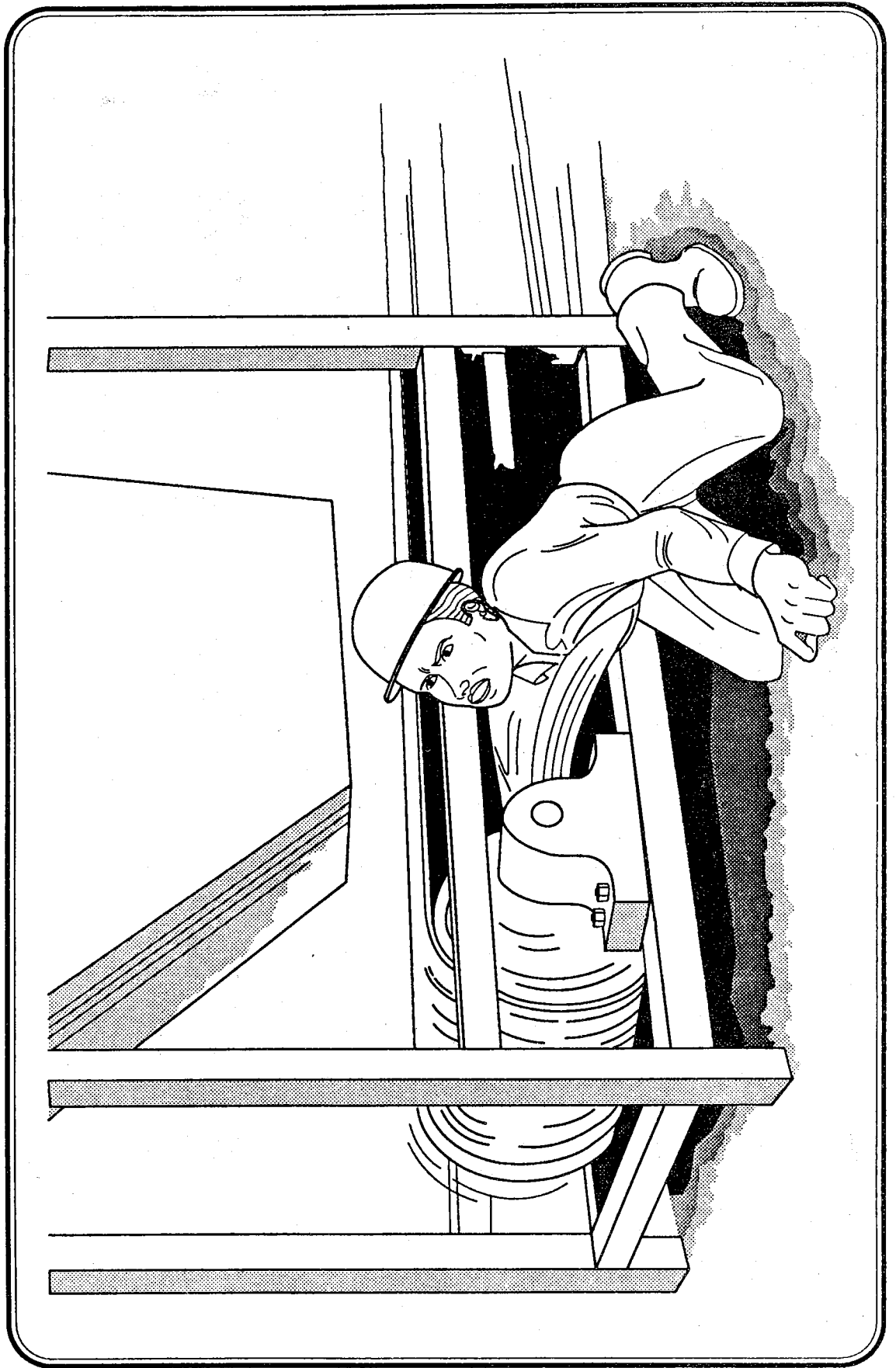
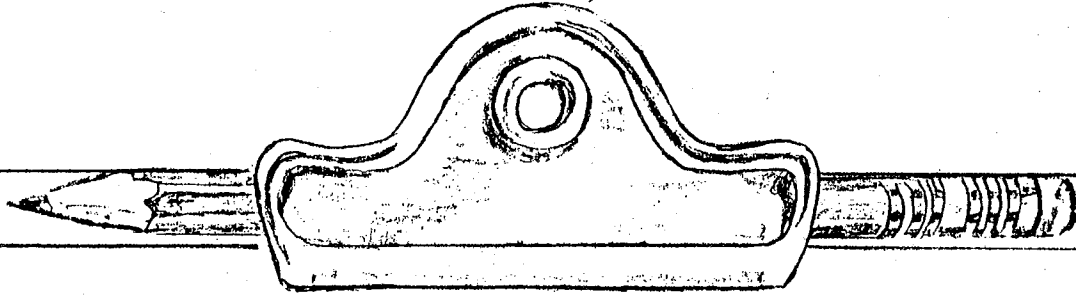

BULLETIN



Don't cross the DEADLINE





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KEEP US IN CIRCULATION.

This safety Bulletin containing safety articles on a variety of subjects, fatal accident abstracts, studies, posters and other safety information for presentation to groups of mine and plant workers is provided free as a basis for discussion at on-the-job safety meetings.

Please use the postage-paid enclosed green meeting report form and return to the Holmes Safety Association.

OCTOBER, 1989

**WELCOME
NEW MEMBERS**

<u>NAME</u>	<u>CHAPTER NO.</u>	<u>LOCATION</u>
A & M Mining Inc.	8310	Rita, WV
Pemm Mining Co.	8311	Rich Creek, WV
Triple C Mining Inc.	8312	Rich Creek, WV
Harfield Dock & Transfer Inc.	8313	Marmet, WV
Raider Mining Inc.	8314	Grundy, VA
C.S. McCrossan Const. Inc.	8315	Maple, MN
Fairbanks Coal Co., Inc.	8316	Deane, KY
ARC Energies	8317	Premium, KY
Limited of Virginia	8318	Cowan Road, KY
Clark Elkhorn Corp.	8319	Elkhorn City, KY
Industrial Carbon Corp.	8320	Mouthcard, KY
Huskey Coal Co., Inc.	8321	Wolfpit, KY
Topper Coal Co., Inc.	8322	Shelbiana, KY
Kelly Sand & Gravel Inc.	8323	Letart, WV
Carl Kelly Paving	8324	Davisville, WV
Black Nugget Mining Inc.	8325	Grundy, WV
Black Mountain Coal Co., Inc.	8326	Grundy, WV
Logan Glass & Trim Shop	8327	Mt. Gay, WV
Sonya Trucking Inc.	8328	Dorothy, WV
M.I.M. Co., Inc.	8329	Uneeda, WV
Logan Hydraulics Inc.	8330	Logan, WV
West Virginia Dept. of Energy	8331	Logan, WV
McGrew Tire Co., Inc.	8332	Logan, WV
Logan County Court House	8333	Logan, WV
Solomon's Mine Inc. #2	8334	Logan, WV
Solomon's Mine Inc. #1	8335	Logan, WV
Deer Run Mining Inc.	8336	Logan, WV
Sang Branch Mining Inc.	8337	Cow Creek, WV
City of Logan Fire Dept.	8338	Logan, WV
City Hall	8339	Logan, WV

OCTOBER, 1989

**WELCOME
NEW MEMBERS**

<u>NAME</u>	<u>CHAPTER NO.</u>	<u>LOCATION</u>
B & N Mine Service	8340	Mt. Gay, WV
Four B & C Coal Co., Inc.	8341	Pikeville, KY
Unit Collieries Inc.	8342	Gulnare, KY
Hope Mining Inc.	8343	Phelps, KY
Meridian Minerals-Coal	8344	Roundup, MT
Pen Mining Inc.	8345	Cannelton, WV
Burnside Excavating	8346	Middlesboro, KY
Birchfield Mining Co., Inc.	8347	Jenkins, KY
Desparado Fuels Inc.	8348	Phelps, KY
Powell Mountain Coal Co., Inc.	8349	St. Charles, VA
L.E.A.S.A./County Public Rescue	8350	Logan, WV
United Fuels Inc.	8351	Meta, KY
Meade and Shepherd Coal Co., Inc.	8352	Roxana, KY
National Mine Service	8353	Switzer, WV
Hollow Mining Co., Inc.	8354	Thacker, WV
North American Rebuild Inc.	8355	Smithers, WV
C and M Coal	8356	Lumberport, WV
Salerno Brothers Inc.	8357	Shinnston, WV
Conesville Coal Prep. Co.	8358	Coshocton, OH
Costello Sand & Gravel	8359	Ainsworth, NE
Cimetta Engineering & Const. Co., Inc.	8360	Tucson, AZ
Ridgeway Development Corp.	8361	Whitby, WV
E & A No. 4	8362	Whitby, WV
E & A No. 5 Mine	8363	Whitby, WV
Batoff Mountain	8364	Stonewall, WV
Lost Dutchman Construction	8365	St. George, UT
Michcan Copper Co. LTD	8366	Calumet, MI
Genesee Aggregate	8367	Lisbon, WI
Eldorado Coal Co., Inc.	8368	Elkhorn City, KY
Blue Head Mineral	8369	Elkhorn City, KY

OCTOBER, 1989



H.S.A. SAFETY TOPIC

WINTER ALERT

An ALERT is:

- An alarm or other SIGNAL of DANGER
- The PERIOD during which AN ALERT IS IN EFFECT
- The STATE OF READINESS of those warned by an alert

WHY the WINTER ALERT

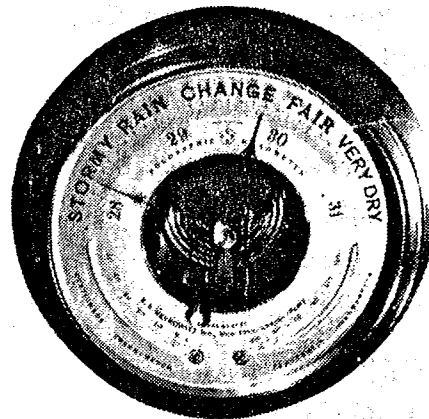
Coal mining history is filled with reports of mine disasters (five or more killed). Most disasters resulted from explosions of methane gas and/or fine, dry coal dust, and they occurred most often during the period between the first of October and the last of March. Much research has been conducted to determine the exact reasons why a majority of explosions occurred during this period.

Conclusions reached from this research show that the drier atmosphere and fine dry coal dust, sometimes coupled with methane liberated at the face or from abandoned areas, increase the mine's susceptibility to explosions in the late fall, winter and early spring: hence, the WINTER ALERT.

Be alert to DANGER SIGNALS during drops in barometric pressure

When barometric pressure falls rapidly a storm is quite likely to follow.

- Barometric pressures often drop more suddenly and slip lower, during fall and winter months. Low barometric pressures cause a corresponding drop in underground air pressures, including pressures in abandoned or gob areas.
- When pressure is reduced, gases expand to fill a larger area. If bleeder systems malfunction or seals leak, this expansion can cause gases from abandoned and pillared areas to flow into the working places.



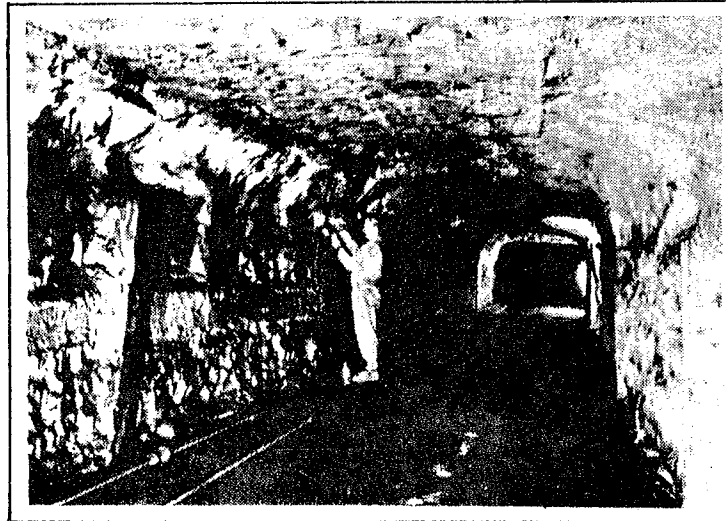
OCTOBER, 1989

Be alert for DANGER SIGNALS

● Storm Fronts

Studies of atmospheric conditions and their effects on mine ventilation during storm fronts verify the hazards. At this time, we experience the greatest drop in barometric pressure.

NOTE: Explosions are more likely to occur not only immediately after a sudden drop in barometric pressure but also 1 to 3 days later.



● Dry coal dust

What is coal dust?

Title 30 CFR states that the term "coal dust" means particles of coal that can pass through a No. 20 sieve.

Stay ALERT for DANGER SIGNALS

When suspended in air, fine, dry coal dust will explode if ignited, even without the presence of methane. Factors governing the explosibility of coal dust are: size, composition, amount, ignition strength and moisture content.

Float coal dust (fine enough to pass through a No. 200 mesh sieve) is especially explosive.

REMEMBER: If ample moisture and/or rock dust is added to coal dust, it will not explode.

Moisture is not combustible. It helps to make coal dust stick together and not disperse as easily into the air.

The major source of moisture is water vapor in the air, but the amount of moisture in mine air varies widely from season to season. Warm air can hold more moisture than cold air.

Moist Summer Air

In summer, warm moist air enters the mine where the temperatures are usually much lower. In fact, mine temperatures vary little from season to season. Cooler mine surfaces cause the entering warmer air to release its moisture on the roof, ribs and floor.

OCTOBER, 1989

Dry Winter Mine Air

During the winter months, the reverse is usually true. Cold dry air enters the underground mine where it is warmed to the temperature of the mine surfaces. As the air is warmed, it picks up moisture from the mine surfaces and exhausts it to the outside. The result is drier air and drier surfaces in mines than is found in the summer.

Explosive Situations

Dry mine air and surfaces, together with methane, can create optimum conditions for underground explosions.

Watch for OTHER WINTER HAZARDS

Some other mining conditions become more dangerous during the winter. These include:

- **ROOF CONDITIONS** can deteriorate and cause hazards around drift, slope and shaft openings due to drastic temperature changes.
- **SHAFT ELEVATORS, SLOPE HAULAGE** and other mantrip conveyances can be hazardous because of icy conditions.
- **SLIPPERY** and **ICY SURFACES** on walkways can cause falls.
- **EQUIPMENT** may not perform as expected when it is exposed to cold temperatures (operating near the surface or just brought inside).

ALERTness requires STATE of READINESS

Remember: **COLD, WINTRY WEATHER** creates these **CONDITIONS** in mines that **CAN CAUSE** an **EXPLOSION**.

- Drier mine surfaces, including dry coal dust on the surfaces; and
- Sharp drops in barometric pressure in certain cases, may cause methane movement from pillared or abandoned areas to working places.

EXCESSIVE METHANE and/or COAL DUST +
Oxygen + Ignition Source = EXPLOSION

PRECAUTIONARY MEASURES

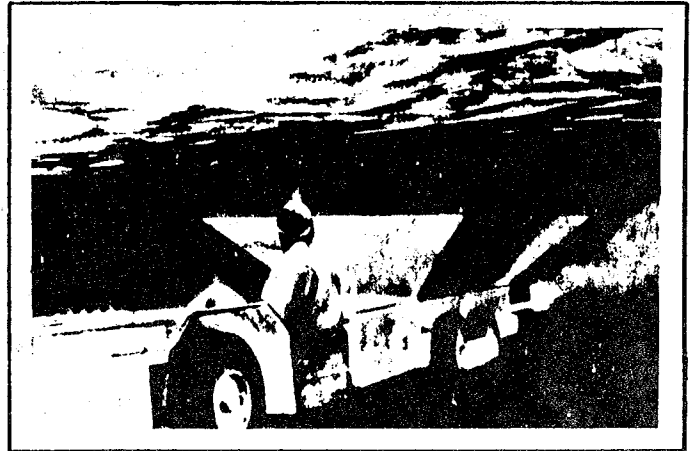
The winter alert period is the most critical time to insure additional precautions that will prevent a disaster by:

- Frequent, thorough **TESTS** for **METHANE** in **ACTIVE WORKING** places.



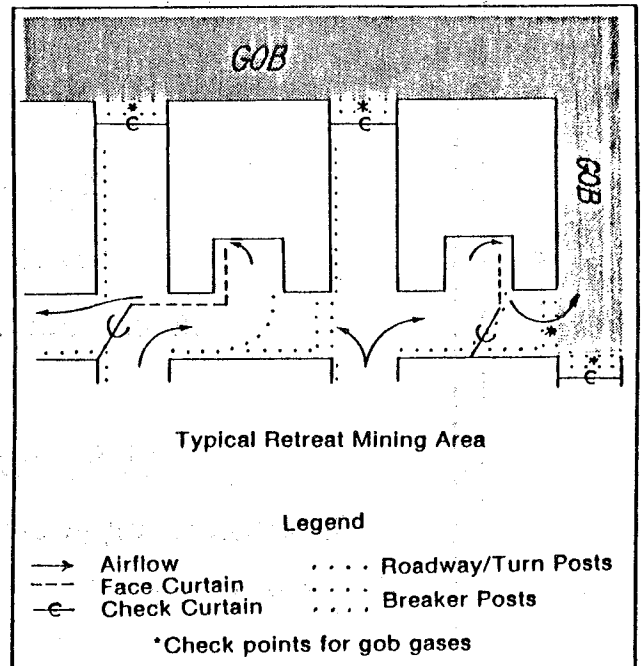
OCTOBER, 1989

- **AMPLE ROCK DUST APPLICATIONS** to within 40 FEET of the FACE.
- Attention to **WATER SPRAY** maintenance and **WETTING MINE SURFACES**, especially areas less than 40 FEET from the FACE.
- **ELIMINATION** of all **IGNITION SOURCES**.
 - a. Maintain equipment in permissible condition
 - b. Use only sharp bits
 - c. Use explosives in a permissible manner
 - d. **DON'T** smoke
- Attention to **ICE ACCUMULATIONS** which could affect hoist operation in **SHAFTS** and **SLOPES**.



Note for maintenance and inspection personnel: Don't let freezing and icy conditions tempt you to shortcut examinations or repairs of hoisting and haulage equipment. Dress for the occasion - stop and warm up when you need to.

- Careful **EXAMINATION** for hazards arising in **IDLE, ABANDONED** and **RETREAT MINING AREAS**.
- Elimination of **SLIPPERY** and **ICY SURFACES** on walkways. Watch your step.
- More frequent and thorough roof examinations and **STAY UNDER SUPPORTED ROOF**.
- **SUPERIOR MAINTENANCE** of **VENTILATION CONTROLS** (maintain airflow necessary to dilute and carry away methane and suspended coal dust).
- **EXCELLENT HOUSEKEEPING PROCEDURES** that **PREVENT COAL** and **COAL DUST ACCUMULATION**.



Knowledge of **ESCAPE ROUTES** and the use of **SELF RESCUE DEVICES**, should they be needed.

Courtesy: US Dept. of Labor, MSHA, National Mine Health and Safety Academy

OCTOBER, 1989



H.S.A. SAFETY TOPIC

MINE RESCUE

"A Special Breed of Miners"

Laborers of love and dedication

Available at moments notice without hesitation.

"A Special Breed of Miners"

Entering a darkness of unknown

Through tunnels, shuffling, crawling, feeling

Listening for life--cries, tapping, the slightest moan or groan.

"A Special Breed of Miners"

Efforts only they can explain

Talents and courage undaunted by pain.

"A Special Breed of Miners"

Sometimes forgotten, sometimes unhonored for their due

Until a trembling, fear-filled voice calls with the news:

"We have a disaster, we have a need for you!"

"A Special Breed of Miners"

"A Special Breed of Miners"

Reprinted with permission from Warren Ellis, Chief, Ohio Division of Mines

OCTOBER, 1989



HOLMES SAFETY ASSOCIATION

ANNUAL MINE RESCUE CONTEST

The 26th Annual Pennsylvania State mine rescue contest was held August 26, 1989, at the Greene County Fairgrounds, Waynesburg, Pennsylvania.

This year's contest was dedicated to Donald W. Huntley, former president of the association who retired as District Manager, Mine Safety and Health Administration, Coal Mine Safety and Health, District 2 in April.

Gene Gade, President, Pennsylvania Bituminous Safety Association gave welcoming remarks. Harry Thompson, Chaplain of the National Holmes Safety Association and the Pennsylvania Bituminous Council offered the invocation. Alfred Smalara, Superintendent, Shannopin Coal Company, served as Master of Ceremonies with Gerry Davis as director.

First place in the contest was awarded to: Greenwich Collieries, No. 1 team

Second place - Helvetia Coal Company, Helvetia team

Third place - Keystone Coal Mining, No. 1 team

Fourth place - Tunnelton Mining Company, Mine Rescue team

The winners of the benchman contest were:

First place - Tom Bochna, Emerald Resources, Emerald Blue team

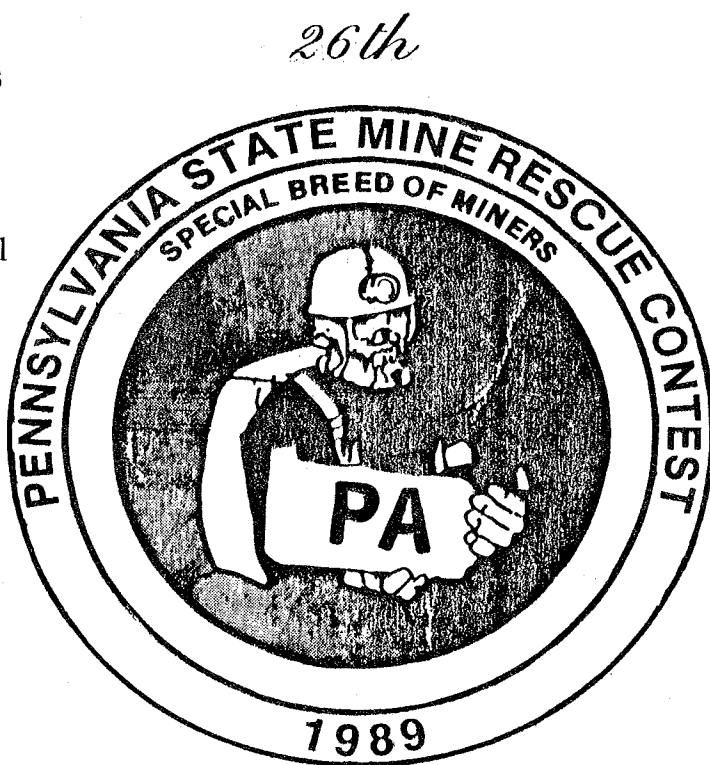
Second place - Malcolm Dunbar, Mathies Coal Co., Mathies mine

Third place - Robert Williams, U.S. Steel Corp., Cumberland No. 1 team

Fourth place - Lloyd Birt, U.S. Steel Corp., Maple Creek mine, No. 1 team

Joel McKean, President, Pennsylvania Coal Association, was the featured speaker. Malcolm Dunbar, Manager of Safety, Mathies Coal Company, Mathies mine, thanked and paid tribute to all of the rescue teams that participated in the mine fire at Mathies mine in May/June, 1989.

Tom Ward, Commissioner of Pennsylvania DER, thanked all participants and congratulated the winners for a job well done.



OCTOBER, 1989

**ABSTRACT
FROM
FATAL
ACCIDENT**

*This fatality could be discussed at your regular on-the-job safety meeting.



FALL OF HIGHWALL ACCIDENT

GENERAL INFORMATION: A shovel operator was fatally injured when a section of the pit wall collapsed and crushed the cab of the shovel he was operating. The victim had 11 years experience as a shovel operator.

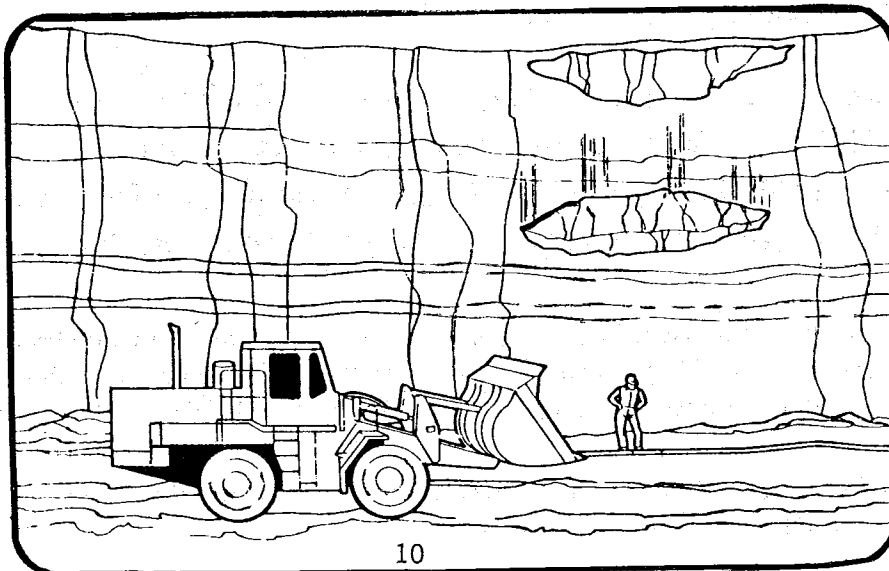
The quarry, an open-pit limestone operation, consisted of three pits and two crushing plants. Limestone was mined by drilling and blasting multiple and single benches. Broken material was loaded by power shovel into trucks and transported to a primary crusher. The material was then conveyed by belt to the secondary plant where it was crushed, screened and stockpiled.

DESCRIPTION OF ACCIDENT: The victim reported for work and performed his normal duties as shovel operator loading trucks from the northwest corner of the pit at the rate of about one truck every 10 minutes.

An eyewitness stated that the victim's shovel stopped digging for no apparent reason and moved backward away from the pit wall. It backed a distance of about 20 feet from the west pit wall to a point about 40 feet from the north wall. At that time, a large slab of rock fell from the north wall onto the shovel crushing the cab. The rock broke into many pieces upon impact and the operator was apparently killed instantly.

CAUSE OF ACCIDENT: The accident was caused by instability of the pit wall at the point of failure. Contributing to this instability was the excessive bench height considering the physical properties of the rock and the type of equipment being used. Heavy rainfall several days prior to the accident may also have been a contributing factor.

**ALWAYS EVALUATE THE CONDITION
OF THE HIGHWALL**



OCTOBER, 1989

**ABSTRACT
FROM
FATAL
ACCIDENT**

*This fatality could be discussed at your regular on-the-job safety meeting.



POWERED HAULAGE ACCIDENT

GENERAL INFORMATION: A powered haulage accident occurred at the outby track switch of the 19 butt 1 north loading boom resulting in the death of the motorman. The victim had 3 years and 10 months mining experience, with 5-1/2 months at this mine as a motorman.

DESCRIPTION OF ACCIDENT: The third shift track haulage crew entered the mine and normal haulage operations were started. The motor crew consisted of the brakeman operator, the victim and the brakeman operating the rear locomotive.

The trip consisted of 49 loaded mine cars. After notifying the dispatcher, they proceeded toward the surface. The front motorman explained that the first segment of the haulageway was an uphill grade ranging from 1 to 2 percent from the 19 butt load track to a location known as the "top of the hill". He stated that he continually observed the coupling on the mine car next to the locomotive because the cars had uncoupled in this area on prior occasions. He stated that he saw the support plate under the draw head coupling break on one side, allowing the coupling to drop down. He attempted to maintain pressure on the coupling and continued to pull the loaded cars over the hill relieving the load on the tail locomotive. Also the brakeman was attempting to apply a chain that was connected to the locomotive around the coupling to prevent it from dropping further down and becoming uncoupled.

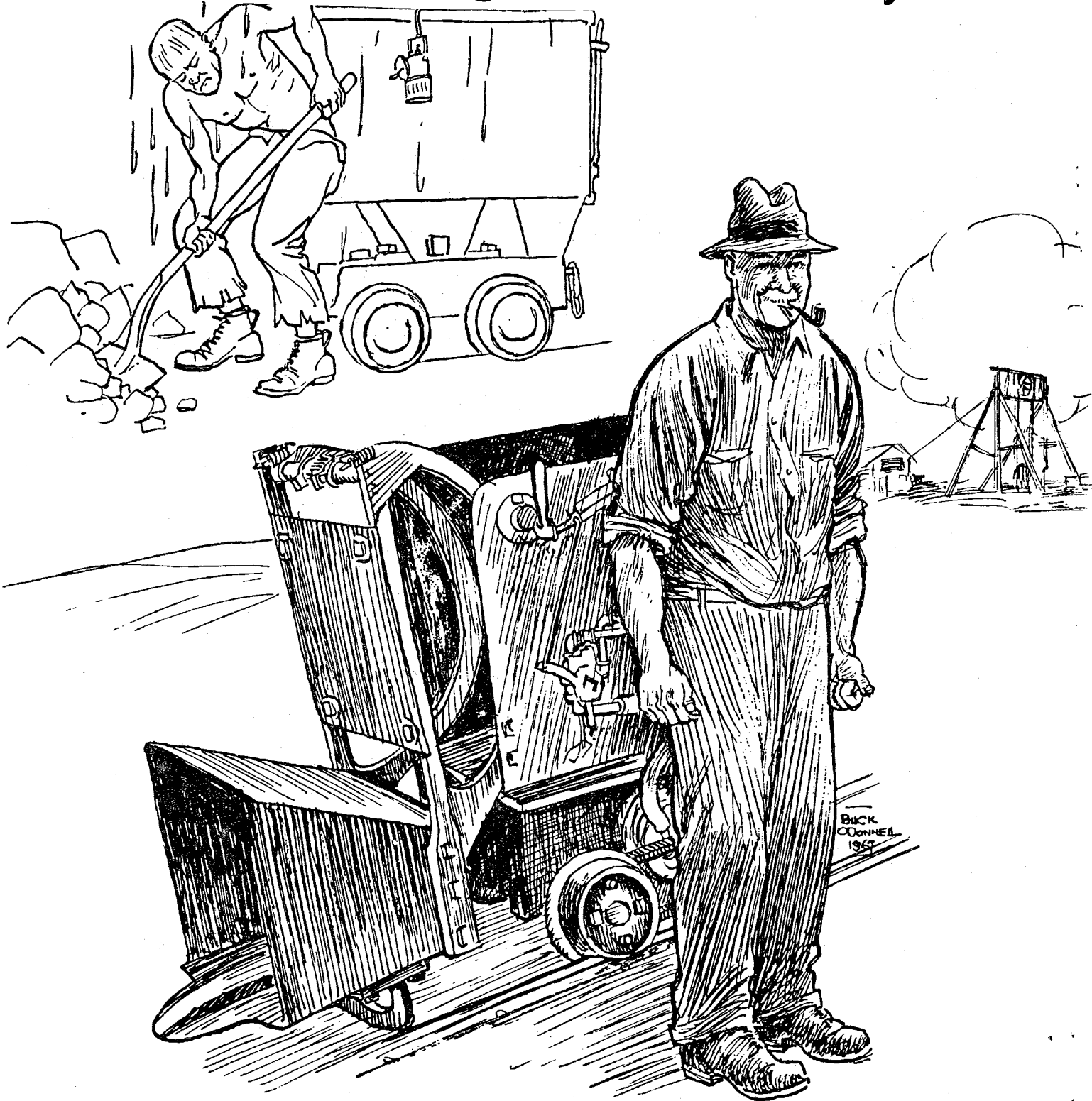
The front motorman stated that he contacted the victim via trolley phone to inform him of the occurrence and instructed him to maintain pressure against the loads in order that he could continue to pull the loads to a more level position thus relieving the load on the tail locomotive. However, when the pressure was applied by the rear locomotive, it forced the cars against the front locomotive thus causing the coupling to drop further down prohibiting the brakeman from securing the chain around the coupling and causing the car to uncouple. The trip stopped momentarily before starting backwards down the grade.

The brakeman in the rear locomotive stated that after the trip started backwards he asked the victim several times to jump from the locomotive. The victim replied that he thought he could control the trip. The dispatcher instructed the victim to apply sand, use the brakes and to leave the locomotive; however, he elected to stay in the locomotive. As the trip continued the rapid descent, the victim was continually applying the braking power by means of the electric and air brakes. At this time, the loading boom operator stated that he heard the trip wreck and the area was filled with dust.

CONCLUSION: The accident and resultant fatality occurred when mine management failed to establish a load limit that was compatible to the capacity of locomotives used to transport the loaded mine cars from the 19 butt area to the mouth of 1 north. Another factor contributing to the accident was the poor maintenance of mine cars and the track haulageway.

An order of withdrawal was issued in regard to the rail-mounted haulage cars which were not being maintained in a safe operating condition, in that, the coupling device (chain) was too short on 25 cars. Also, the draw head support brackets on 15 mine cars were defective (bent or broken), a violation of Section 75.1725(a).

Typical Mining of the Era Gone By



John Spence Finlay, Superintendent of the North Lilly Mine, Eureka, Utah, revolutionized mining with the development of his overshot loader. Back in 1931 he built and sold four of these units for \$1,600.00 each.

OCTOBER, 1989

SILVER ANNIVERSARY ANNOUNCEMENT



Arizona Chapter **National Safety Council**

Southwest Safety Congress

<p>25th Annual Safety Congress And Exhibits to be held on May 8, 9 & 10, 1990.</p>	<p>Location: Sheraton San Marcos Resort Phoenix/Chandler, Arizona</p>
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Held in conjunction with:



Holmes Safety Association
Joseph A. Holmes
National Council Annual Meeting

&



Western Regional State Grants Meeting
Hosted by the Arizona State Mine Inspector
Douglas K. Martin

Registration and Exhibit Information



Toni Taylor
(602) 264-2394



Bill Hoover
(602) 629-6631
(412) 621-4500



William Vanderwall
(602) 542-5971

OCTOBER, 1989



HOLMES SAFETY ASSOCIATION

"MARK YOUR CALENDAR"

Holmes Safety Association
Joseph A. Holmes Safety Association
Annual Meetings
Sheraton San Marcos Resort
Phoenix/Chandler, Arizona
May 9-10, 1990

MAY						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Plans have been finalized to hold the Holmes Safety Association National Council Annual Meeting in Phoenix/Chandler, Arizona, on May 9 and 10, 1990.

American Airlines discount is available for attendees from servicing cities and local airports.

Limousine service from airport to hotel -- \$9.00 per person one way

Hotel Rates - \$50.00 single/\$55.00 double plus tax

Following is a **tentative** agenda:

May 8

Tuesday 8:00 AM - 8:00 PM Registration

May 9

Wednesday 8:00 AM - 9:00 AM Registration

9:00 AM - 11:30 AM National Council Executive Meeting

11:30 - 1:30 PM Lunch

1:30 PM Golf tournament - women invited

(All HSA members-\$28 with cart) (\$50 all others)

Scores will be by Calloway System

Loads of Prizes

6:30 PM

Western Cookout (Country Club golf course patio)

Western band -- dancing

OCTOBER, 1989

MAY 10

Thursday

8:00 AM - 9:00 AM	Registration
9:00 AM - 12:00 PM	National Council Regular Meeting Reports of Executive Meeting Mine Safety/Merit Awards Treasurer's and Financial Reports 1990-91 Slate of Officers New and Old Business
12:00 PM - 2:00 PM	Lunch
2:00 PM - 4:00 PM	Joseph A. Holmes Safety Association Board of Directors Meeting Joseph A. Holmes Safety Association Regular Meeting Approval of Awards Nomination of Officers New and Old Business

May 10

Thursday

5:30 PM - 6:30 PM	Social Hour hosted by National Mine Service (again taking the front in sponsorship for the 1990 meeting)
6:30 PM	Banquet on the Veranda under the desert skies President's Welcoming Address Organizational Awards District Council Awards Door Prize and 50/50 Drawings Dancing in Lounge

MAY 11

Friday

CHECK-OUT

Limousine service to airport available.

(Reservation Forms for Banquet, Hotel and Golf Tournament will be forthcoming.)

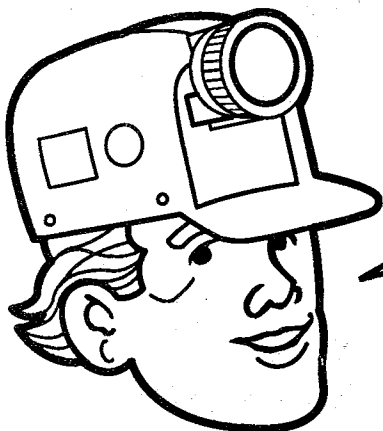
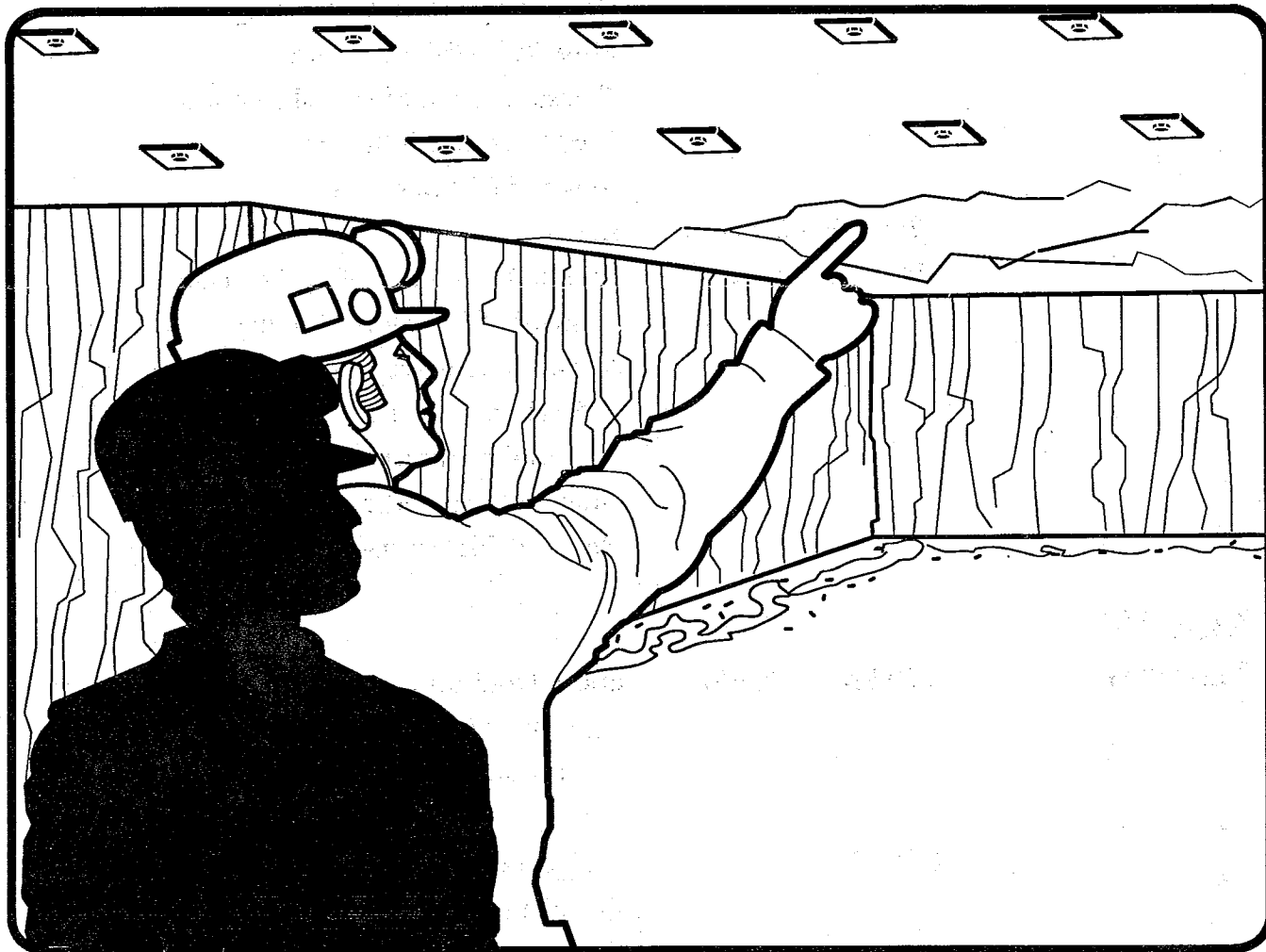
For further information, please contact H.S.A., 4800 Forbes Ave. Pgh. PA 15213

OR:

**H.S.A., 300 W. Congress, Room 7K, Box FB-52
Tucson, Arizona 85701**

Roof Evaluation—Accident Prevention

REAP—a program developed to promote health and safety awareness in mining



Let REAP be your guide
to a ripe old age!
Remember... "INBY IS OUT"

MINERS: We'd like your help in creating safety slogans for these posters. If your slogan is used your name, mine and state will be printed on the poster AND you will receive an engraved plaque. Please send your suggestions to: MSHA Office of Information, 4015 Wilson Boulevard., Graphics Room 609, Arlington, VA 22203-1984. Phone: (703) 235-1456.



OCTOBER, 1989



HOLMES SAFETY ASSOCIATION

The Holmes Safety Association Salutes....

FRANK CERVO

Coal Mine Inspector
Coal Mine Safety and Health District 3
Clarksburg Field Office
Morgantown, West Virginia

Mr. Cervo began his federal career in 1971, first as an inspector for surface mine operations and then as an underground mine inspector.

Due to his compassion for miners and his absolute concern for their safety, Mr. Cervo became involved in Holmes Safety activities. He has been a recipient of the Association's chapter organizational award every year since the program began in 1985 and has been instrumental in the activities of several councils in West Virginia. Because of his enthusiasm, Mr. Cervo has had a council in Clarksburg, West Virginia, bear his name since its inception in 1982.

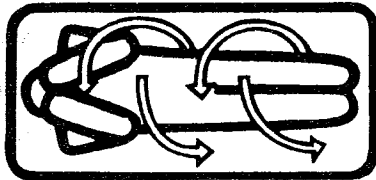
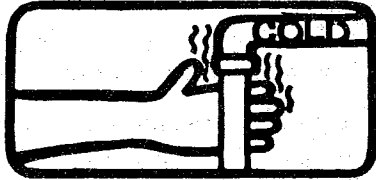

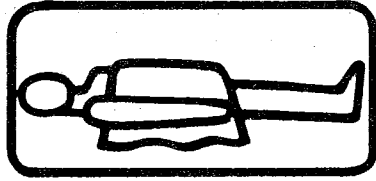
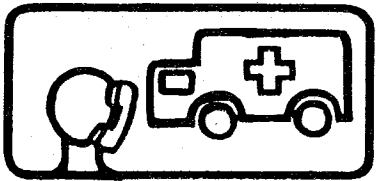
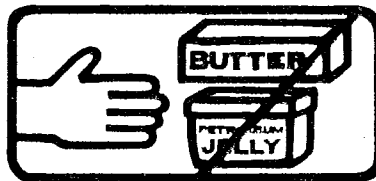
Due a sudden illness, Mr. Cervo has had to take an early retirement, but has expressed his interest in remaining active in Holmes Safety activities and we hope to see him at the next West Virginia function.



H.S.A. SAFETY TOPIC

OCTOBER IS FIRE PREVENTION MONTH*

PREVENT BURNS

AGE	BURN CAUSES	IF YOU ARE BURNED.....
0 to 2	<ul style="list-style-type: none"> • coffee & tea • cooking liquids • space heaters • hot surfaces • electrical outlets 	 <p data-bbox="1084 898 1289 926">Drop and roll</p>
3 to 8	<ul style="list-style-type: none"> • cooking liquids • grease • matches 	 <p data-bbox="1084 1115 1289 1142">Cool the burn</p>
9 to 12	<ul style="list-style-type: none"> • clothing on fire • flammable substances • cooking accidents 	 <p data-bbox="922 1329 1451 1356">Remove hot, non-sticking clothing</p>
13 to 19	<ul style="list-style-type: none"> • flammable substances (especially gasoline) • clothing on fire • automobile repair • high voltage wires 	 <p data-bbox="1073 1539 1305 1566">Cover the burn</p>
20 to 59	<ul style="list-style-type: none"> • cigarettes and alcohol • occupational hazards • cooking accidents • gasoline 	 <p data-bbox="1057 1749 1317 1776">Get medical help</p>
Over 60	<ul style="list-style-type: none"> • clothing on fire from cigarettes/ • or cooking accidents • hot bath water 	 <p data-bbox="976 1959 1398 1986">Don't use grease/ointments</p>

*Courtesy of Burn Foundation, Allentown, PA

OCTOBER, 1989



H.S.A. SAFETY TOPIC

PRE-SHIFT SAFETY INSPECTION

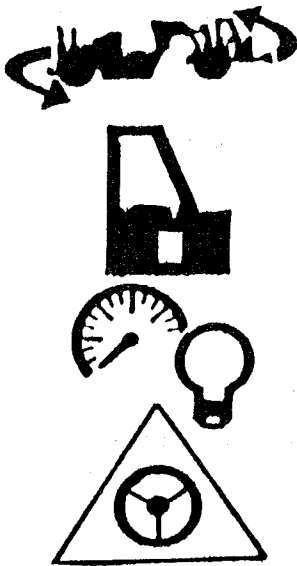
For Scrapers and Trailer-Type Bottom Dump Haulers

Continued from September Bulletin

For Operators of Mobile Mining and Construction Equipment

CHECKLIST

Pre-Shift Inspection For Scraper and Trailer-Type Bottom Dump Haulers



- **WALK AROUND**

Clear area, Tires, Wheels, Engine compartments, Hoses, Fluid levels, Fire extinguisher

- **OPERATOR'S COMPARTMENT**

Clean windows, Loose objects, Seat belt, Parking brake ON, Controls, Back-up alarm, (Fire extinguisher)

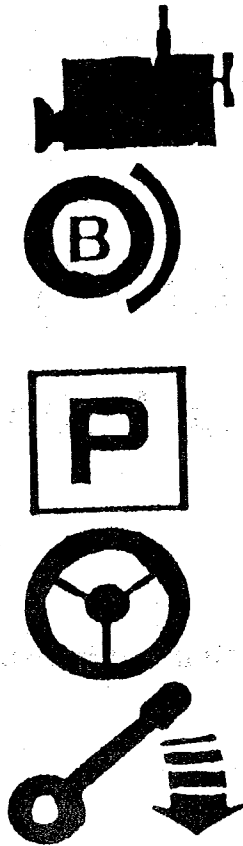
- **GAUGES AND WARNING LIGHTS**

Before starting engine -- zero readings

After starting engine -- normal operating range

- **EMERGENCY STEERING**

Unusual noises, Jerking, Steering response



- **ENGINES**

Smooth idle, Unusual smoke, Unusual noises, Wipers, Exterior lights

- **SERVICE BRAKES**

Pedal action

Against engine power

Trailer and auxiliary brakes

- **PARKING BRAKE**

Against engine power

- **STEERING**

Looseness, Jerking

Steering response

Unusual noises

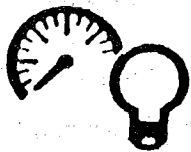
- **RETARDER**

Check operation at 5 miles per hour

Turn the master switch on. Put the gearshift in reverse to test the back-up alarm. (In some machines it'll be necessary to have the engine running to check the back-up alarm.) If the scraper is equipped with a horn or other device which tells that the rear engine isn't running, check it out now.

GAUGES AND WARNING LIGHTS CHECK

This symbol reminds you to check the gauges and warning lights. First, check them with the master switch on--before you start the engine.



Gauges & Warning Lights Symbol

If the machine has a fuel gauge, it'll show a reading right away, but most of the gauges should show below the operating range. (The temperature gauge indicator and the pressure gauges could show normal readings if the machine was just run.)

The ammeter should show no electrical charging or discharging, except for the slight movement of the indicator caused by turning on the master switch.

Careful inspection of the gauges can point out specific danger signs. If an indicator is stuck in a normal operating range when the machine isn't running, something is wrong.

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The machine may be equipped with direct reading gauges only--or there may be warning lights. Just remember to check out all such safety devices on the machine.

After you start the engine, check the gauges again; then the indicators should move toward normal operating range. Look for wrong readings....or no readings. You'll know immediately if some system is not functioning properly. It's important to remember to check the gauges with the engine off--and then a second time with the engine running.

If an indicator is stuck on a normal operating range when the machine isn't running, you know something is wrong. So look at the gauges carefully before you start your engine. It's important that you check the gauges both before and after starting the engine. Put the gearshift in neutral and start the engine. Keep the engine running at low idle and check the gauges, again. This time, the indicators should show normal operating range.

REVIEW

1. This symbol as shown on the checklist



reminds you to check the _____ and _____.

2. With the master switch on, assuming the machine had not just been used (**CHECK THE CORRECT ANSWER**):
- A. the gauges should read: zero pressure, no temperature and no electrical charging or discharging.
 - B. most of the gauges will indicate normal operating range.
 - C. the pressure will rise to normal range.
3. The gauges and warning lights should be checked (**CHECK THE CORRECT ANSWER**):
- A. twice, with the master switch on, and then with the engine running.
 - B. once, with the engine running.
 - C. at any time during the pre-shift inspection--just so they are checked with the engine running.
4. To check the back-up alarm (**CHECK THE CORRECT ANSWER**):
- A. put the transmission in reverse and move the machine backward slowly.
 - B. put the machine into low forward, then quickly into reverse.
 - C. with the master switch on, put the gear selector into reverse--the alarm should sound.

ANSWER BLOCK

Here are the answers to the previous questions:

1. gauges, warning lights (IN EITHER ORDER)
2. A is correct
3. A is correct
4. C is correct

* CONCLUSION in November's
Bulletin

OCTOBER, 1989



H.S.A. SAFETY TOPIC

SAFETY COMPETITION

Safety competition provides excellent subject matter for discussion in council and chapter meetings. When a mine or plant wins the competition, the award is presented with considerable ceremony, thus giving the members of the chapter or council encouragement to continue their efforts.

The promotion of safety competition between mine or plants is one of the most valuable services that a state or district council of the Holmes Safety Association can render to its affiliated local chapters.

Safety competitions have long been recognized as a valuable means of creating interest in the promotion of safety. The success of safety competition depends largely upon the publicity given it. Each chapter and council, when in session, should discuss its relative standing as compared with other chapters in the competition.

^ ^ ^ ^ ^ ^ ^

A Short Course in Human Relations

The six most "important words"....

"I admit I made a mistake."

The five most "important words"....

"You did a good job."

The four most "important words"....

"What is your opinion?"

The three most "important words"....

"If you please"

The two most "important words"....

"Thank you."

The one most "important word"

"We"

DISTRICT COUNCIL COMPETITION STANDINGS--COAL SURFACE
SECOND QUARTER--1989

COUNCIL NAME	CNCL. NUM.	WORK HOURS	ACCI-DENTS	FATALS	INCI. RATES	NO. MEETINGS	NO. CHAPTERS	STANDINGS
Group I								
Four Corners	NM01	1,316,325	10	0	1.52	1	12	2
N. Colorado/S. Wyoming	WY02	1,141,787	9	0	1.58	1	14	3
Powder River Basin	WY01	1,442,235	9	0	1.25	3	16	1
Totals		3,900,347	28	0	1.44	5	42	
Group II								
Missouri Basin	ND01	509,176	4	0	1.57	1	8	3
Southeast Ohio	OH02	569,985	7	0	2.46	3	11	4
S. Illinois Open-Pit	IL06	0	0	0	.00	0	0	1
S. Indiana Jt. Comm.	IN02	552,464	3	0	1.09	0	6	2
Totals		1,631,625	14	0	1.72	4	25	
Group III								
Clearfield Council	PA03	290,188	3	0	2.07	3	10	5
Clymer Council	PA04	21,953	2	0	18.22	0	2	11
Coal River	WV02	0	0	0	.00	0	0	1
Grove City/Clarion County	PA05	0	0	0	.00	3	0	1
Indiana	PA07	102,770	2	0	3.89	3	5	7
John O. Miller	PA09	28,560	2	0	14.01	1	1	10
Kiski Tri-County	PA08	207,248	1	0	.97	2	3	4
N. Indiana Jt. Comm.	IN01	381,589	1	0	.52	2	4	3
New River Valley/Winding Gulf	WV10	320,426	6	0	3.75	1	34	6
Richard Maize	PA10	212,651	6	0	5.64	0	17	9
Western Maryland	MD02	322,929	9	0	5.57	1	28	8
Totals		1,888,314	32	0	3.39	16	104	

DISTRICT COUNCIL COMPETITION STANDINGS---COAL SURFACE
YEAR-TO-DATE

COUNCIL NAME	CNCL. NUM.	WORK HOURS	ACCI-DENTS	FATALS	INCI. RATES	MEETINGS	NO. CHAPTERS	STANDINGS
Group I								
Four Corners	NM01	2,581,460	15	1	1.24	2	5.8	2 xxx
N. Colorado/S. Wyoming	WY02	2,303,249	28	0	2.43	2	7.5	3 xxx
Powder River Basin	WY01	2,801,345	14	0	1.00	4	8.0	1
Totals		7,686,054	57	1	1.51	8	21.3	

COUNCIL NAME

Group II

Missouri Basin	ND01	1,036,664	10	0	1.93	2	4.3	1 xxx
Southeast Ohio	OH02	1,196,035	17	0	2.84	5	5.5	4
S. Illinois Open-Pit	IL06	1,173,694	13	1	2.39	1	3.3	3 xxx
S. Indiana Jt. Comm.	IN02	1,224,943	14	0	2.29	2	3.0	2 xxx
Totals		4,631,336	54	1	2.38	10	16.0	

COUNCIL NAME

Group III

Clearfield Council	PA03	562,541	7	0	2.49	6	2.5	4 xx
Clymer Council	PA04	50,218	2	0	7.97	0	1.0	11 xxx
Coal River	WV02	383,593	13	0	6.78	2	4.8	10 xxx
Grove City/Clarion County	PA05	28,265	0	0	.00	6	.5	1 xx
Indiana	PA07	215,611	5	0	4.64	5	2.5	6 xx
John O. Miller	PA09	62,706	2	0	6.38	4	.5	9 xx
Kiski Tri-County	PA08	367,177	1	0	.54	5	1.5	2 xx
N. Indiana Jt. Comm.	IN01	802,955	6	0	1.49	3	2.0	3 xxx
New River Valley/Winding Gulf	WV10	651,745	10	0	3.07	3	15.5	5 xxx
Richard Maize	PA10	412,651	12	0	5.82	0	8.5	8 xxx
Western Maryland	MD02	665,681	16	0	4.81	2	16.8	7 xxx
Totals		4,203,143	74	0	3.52	36	56.0	

x NO DATA EXISTS FOR A QUARTER
 xx CHAPTER AVERAGE IS LESS THAN 5
 xxx NUMBER OF MEETINGS IS LESS THAN 4

DISTRICT COUNCIL COMPETITION STANDINGS---COAL UNDERGROUND
SECOND QUARTER---1989

COUNCIL NAME	CNCL. NUM.	WORK HOURS	ACCI-DENTS	FATALS	INCI. RATES	NO. MEETINGS	NO. CHAPTERS	STANDINGS
Group II								
Indiana	PA07	1,108,844	79	0	14.25	3	15	4
John E. Jones	IL02	0	0	0	.00	0	0	1
New River Valley/ Winding Gulf	WV10	1,241,960	98	0	15.78	1	42	6
Southeast Ohio	OH02	807,796	25	0	6.19	3	6	2
Walter W. "Kingfish" Kessler	IL07	800,236	63	0	15.75	0	5	5
William "Scotty" Groves	PA06	1,393,678	79	0	11.34	0	16	3
Totals		5,352,514	344	0	12.85	7	84	

COUNCIL NAME

Group III

Clearfield	PA03	8,059	0	0	.00	3	1	1
Clymer	PA04	69,004	4	0	11.59	0	5	8
Coal River	WV02	0	0	0	.00	0	0	2
Grove City/Clarion County	PA05	0	0	0	.00	3	0	2
John O. Miller	PA09	196,425	17	0	17.31	1	2	10
Kiski Tri-County	PA08	178,320	7	0	7.85	2	11	7
N. Colorado/S. Wyoming	WY02	436,331	15	0	6.88	1	5	6
North Central	WV11	316,737	9	0	5.68	2	4	5
Potomac Valley	MD01	531,697	49	0	18.43	0	7	11
Ramon A. Gothard	IL03	0	0	0	.00	0	0	2
Richard Maize	PA10	127,242	10	0	15.72	0	8	9
Totals		1,863,815	111	0	11.91	12	43	

DISTRICT COUNCIL COMPETITION STANDINGS---COAL UNDERGROUND
YEAR-TO-DATE

COUNCIL NAME	CNCL. NUM.	WORK HOURS	ACCI-DENTS	FATALS	INCI. RATES	NO. MEETINGS	NO. CHAPTERS	STANDINGS
Group II								
Indiana	PA07	2,432,772	191	0	15.70	5	8.3	6
John E. Jones	IL02	2,755,411	123	0	8.93	1	3.0	2 xxx
New River Valley/ Winding Gulf	WV10	2,726,254	194	0	14.23	3	20.5	4 xxx
Southeast Ohio	OH02	1,720,144	53	0	6.16	5	2.8	1 xx
Walter W. "Kingfish" Kessler	IL07	1,703,051	122	0	14.33	1	2.5	5 xxx
William "Scotty" Groves	PA06	2,953,114	147	0	9.96	2	8.0	3 xxx
Totals		14,290,746	830	0	11.62	17	45.0	

COUNCIL NAME

COUNCIL NAME	CNCL. NUM.	WORK HOURS	ACCI-DENTS	FATALS	INCI. RATES	NO. MEETINGS	NO. CHAPTERS	STANDINGS
Group III								
Clearfield	PA03	16,076	1	0	12.44	6	.5	8 xx
Clymer	PA04	145,334	7	0	9.63	0	2.5	4 xxx
Coal River	WV02	923,523	57	0	12.34	2	19.5	7 xxx
Grove City/Clarion County	PA05	76,330	3	0	7.86	6	1.3	3 xx
John O. Miller	PA09	425,782	28	0	13.15	4	1.0	9 xx
Kiski Tri-County	PA08	324,548	11	0	6.78	5	5.0	2
N. Colorado/S. Wyoming	WY02	770,058	46	0	11.95	2	2.5	5 xxx
North Central	WV11	316,737	9	0	5.68	2	1.0	1 xxx
Potomac Valley	MD01	1,128,140	92	1	16.49	0	3.5	10 xxx
Ramon A. Gothard	IL03	861,307	86	0	19.97	1	.3	11 xxx
Richard Maize	PA10	227,242	14	0	12.32	0	4.0	6 xxx
Totals		5,215,077	354	1	13.61	28	41.0	

x NO DATA EXISTS FOR A QUARTER
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DISTRICT COUNCIL COMPETITION STANDINGS--METAL/NONMETAL UNDERGROUND
SECOND QUARTER---1989

COUNCIL NAME	CNCL. NUM.	WORK HOURS	ACCI-DENTS	FATALS	INCI. RATES	NO. MEETINGS	NO. CHAPTERS	STANDINGS
Group II								
N. Colorado/S. Wyoming	WY02	1,499,913	19	0	2.53	1	5	1
Totals		<u>1,499,913</u>	<u>19</u>	<u>0</u>	<u>2.53</u>	<u>1</u>	<u>5</u>	

DISTRICT COUNCIL COMPETITION STANDINGS--METAL/NONMETAL
YEAR-TO-DATE

COUNCIL NAME	CNCL. NUM.	WORK HOURS	ACCI-DENTS	FATALS	RATES	NO. MEETINGS	NO. CHAPTERS	STANDINGS
Group II								
N. Colorado/S. Wyoming	WY02	2,960,868	53	0	3.58	2	2.5	1 xxx
Totals		<u>2,960,868</u>	<u>53</u>	<u>0</u>	<u>3.58</u>	<u>2</u>	<u>2.5</u>	

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 ** CHAPTER AVERAGE IS LESS THAN 5
 *** NUMBER OF MEETINGS IS LESS THAN 4

Joseph A. Holmes Safety Association

Awards Criteria--Outline

Type "A" Awards - For Acts of Heroism

The awards are medals with Medal of Honor Certificate.

Type "A" - For Acts of Heroic Assistance

The awards are Certificates of Honor.

Type B-1 Awards - For Individual Workers

(40 years continuous work experience without injury that resulted in lost workdays)

The awards are Certificate of Honor, Gold Pins and Gold Decal.

Type B-2 Awards - For Individual Officials

(For record of group working under their supervision)

The awards are Certificate of Honor.

Type C Awards - For Safety Records

(For all segments of the mineral extractive industries, meeting adopted criteria)

The awards are Certificate of Honor.

Other Awards - For Individual Workers

(For 10, 20, or 30 years without injury resulting in lost workdays)

The awards are 30 years - Silver Pin and Decal, 20 years - Bronze Pin and Decal, 10 years - Decal bearing insignia.

Special Awards - For Small Operators

(Mine operators with 25 employees or less with outstanding safety records)

The awards are Certificate of Honor:

Contact: HSA Office

Department of Labor
MSHA, Holmes Safety Association
4800 Forbes Avenue
Pittsburgh, PA 15213

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