

MAY 1987



# BULLETIN



KEEP SAFETY  
REVVIN'  
IN  
"87"



THIS SAFETY BULLETIN CONTAINS 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.

AS GROUP SPOKESPERSON, LEADER OR SUPERVISOR, YOU PLAY AN IMPORTANT ROLE IN THE ACCIDENT PREVENTION PROGRAM FOR YOUR COMPANY. THE WAY YOU TALK, THINK AND ACT ABOUT SAFETY DETERMINES, TO A GREAT EXTENT, THE ATTITUDE YOUR COWORKERS WILL HAVE ABOUT SAFETY.

THIS MATERIAL, FUNDED BY THE MINE SAFETY AND HEALTH ADMINISTRATION, U.S. DEPARTMENT OF LABOR, IS PROVIDED FREE AS A BASIS FOR DISCUSSION AT ON-THE-JOB SAFETY MEETINGS. IT MAY BE USED AS IS OR TAILORED TO FIT LOCAL CONDITIONS IN ANY MANNER THAT IS APPROPRIATE.

PLEASE USE THE ENCLOSED GREEN MEETING REPORT FORM TO RECORD YOUR SAFETY MEETINGS AND RETURN TO THE HOLMES SAFETY ASSOCIATION, POSTAGE-PAID.



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May 1987

<u>COMPANY</u>	<u>CHAPTER NO.</u>	<u>LOCATION</u>
Princess Beverly Coal Co.	7091	Kayford, WV
Snyder Coal Co.	7092	Treverton, PA
El Paso Sand Products	7093	El Paso, TX
Elk River Sewell Coal Co.	7094	Bergoo, WV
MSHA--Ft. Dodge	7095	Ft. Dodge, IA
Cyprus Minerals Co.	7096	Parker, AZ
Templeman Construction Co.	7097	Coal Fork, WV
Bobs Branch Coal Co. Inc.	7098	Dante, VA
The River Products Co. Inc.	7099	Iowa City, IA
The River Products Co. Inc.	7100	Iowa City, IA
The River Products Co. Inc.	7101	Iowa City, IA
The River Products Co. Inc.	7102	Fredonia, IA
The River Products Co. Inc.	7103	Morning Sun, IA
The River Products Co. Inc.	7104	Columbus, IA
St. Mary's Peerless Cement Co.	7105	Detroit, MI
Anthracite Technology	7106	William Penn, PA
Wendling Quarries Inc.	7107	Wilton, IA
Acme Fuel & Materials	7108	Muscatine, IA
Page Electric & Construction Co.	7109	Lizemore, WV
Cox Creek Kaval Coal Co.	7110	Keoku, VA
Miracle Mines	7111	Morgantown, KY
Material Service Corp.	7112	Algonquin, IL
River City Stone	7113	Dubuque, IA
Pen Mining Co.	7114	Cannelton, WV
Perry & Hylton Inc.	7115	Cannelton, WV
Pen Mining Co.	7116	Cannelton, WV
Nick Snyth Trucking	7117	Sutton, WV

**IF YOU FIND MISTAKES**  
IN THIS PUBLICATION  
PLEASE CONSIDER  
THAT THEY ARE THERE  
FOR A PURPOSE. WE  
PUBLISH SOMETHING  
FOR EVERYONE AND  
SOME PEOPLE ARE  
ALWAYS LOOKING  
FOR MISTAKES!!!



<u>COMPANY</u>	<u>CHAPTER NO.</u>	<u>LOCATION</u>
Ray Dean Mining Inc.	7118	Meta, KY
High Life Coal Co. Inc.	7119	Grundy, VA
Hocking Valley Mining Inc.	7120	Logan, OH
B & C Coal Co.	7121	Albany, OH
Lawson & Lawson	7122	Albany, OH
John McMillan	7123	New Lexington, OH
AIR Construction & Reclamation	7124	Crooksville, OH
Landridge Coal Co.	7125	Zanesville, OH
Star Mining Co.	7126	Junction City, OH
Charles L. Carson	7127	Zanesville, OH
David Boyle Inc.	7128	New Lexington, OH
Triple Consultants Inc.	7129	Crooksville, OH
Tri State Coal Sales Inc.	7130	New Lexington, OH
Crooksville Coal Co. Inc.	7131	Crooksville, OH
Schworm Inc.	7132	Traverse City, MI
West Virginia University	7133	Hodgesville, WV
Prestige Coal Co.	7134	Grundy, VA
Thacker & Associates Inc.	7135	Summersville, WV
P & S Coal Co.	7136	Given, WV
Aggregates Inc.	7137	Cedar Rapids, IA
Rockhouse Energy & Development Inc.	7138	Clothier, WV
The Ensign-Bickford Co.	7139	Frostburg, MD
Payco Coal Co. Inc.	7140	Grethel, KY
Big K Coal Co. Inc.	7141	Grethel, KY
Mayo Resources Inc.	7142	Stambaugh, KY
Lin-Faye Mining Inc.	7143	Stambaugh, KY
J & M Mining Inc.	7144	Royalton, KY
Unicorn Mining	7145	Lovely, KY
Leon Coal Processing Co.	7146	Ashland, KY
32 Mining Inc.	7147	Louisa, KY
Jessie-Jen Coal Corp. Inc.	7148	Pilgrim, KY
TT & M Inc.	7149	Drift, KY
Dredgeco Inc.	7150	Louisa, KY
P & C Bituminous Coal Inc.	7151	Louisa, ky



H.S.A. SAFETY TOPIC



# Prevent Slips, Trips & Falls

## Slips, Trips and Falls Can Be Trouble

The average person takes 18,000 steps every day, but how many of these steps are taken seriously? There are over 13 million slip, trip, and fall injuries every year that can result in lost workdays, broken bones, "bad backs," every permanent disability and death. By understanding how slips, trips, and falls happen, you can prevent painful injuries both on and off the job.

Your employer is committed to preventing slips, trips, and falls on the job, but it takes teamwork--you, your coworkers, and your employer all working together to make your workplace as safe and accident-free as possible. Develop the skills to **recognize, avoid, and control** hazards to prevent injuries.

At work, especially, each employee's job in fall prevention is to be a team player. Be considerate of the people you work with, and think ahead by cleaning up or reporting spills and picking up stray tools and equipment, especially on walkways. Be sure to report hazards and any injuries to your supervisor. Be especially aware of the hazardous "buts": "But I've always done it this way;" "But it's not part of my job;" "But it would take too much time."

**Recognize** the many hazards on and off the job. Your best bet is to pay attention and make sure you can see your path ahead.

**Avoid** hazards by walking around them carefully or stepping over them. Be sure to slow down so you can keep your balance.

**Control** hazards by marking them clearly so others won't get hurt. Then fix the hazard yourself or report it right away.

## Preventing Slips

Slips can occur wherever there is too little friction between your feet and the surface you work or walk on. Walking itself requires considerable balance, since your heel must keep you balanced until the rest of your foot lands on the floor. The most common causes of slips are constantly wet surfaces, occasional spills and weather hazards. As with trips and falls, slips are more likely when you hurry and are inattentive or distracted. Work with your supervisor and coworkers to recognize, avoid and control slip hazards wherever they occur.

**Constantly wet surfaces**--Some jobs have areas that are constantly wet. Taking long steps quickly, turning sharp corners and not paying attention to the surface may cause you to slip. Hurrying on wet surfaces and wearing old, worn out shoes may also contribute to slipping. **Practice safe walking skills.** If you must walk on wet surfaces, take short steps to keep your center of balance under you. Walk with your feet pointed outward slightly for a stable base of support and make wide turns at corners. Slow down and wear slip-resistant shoes appropriate for your job.

## **Preventing Trips**

Trips can occur whenever your foot strikes an object and you are moving with sufficient momentum to be thrown off balance. Trips most often occur when you try to take a short cut, when lighting is inadequate and the work area is cluttered, and when an area has loose footing. Like slips and falls, trips are more likely when you hurry and don't pay attention to where you are going.

**Short cuts**--Because there is so much to get done every day, it's tempting to take short cuts in order to squeeze everything in. You might take a shortcut off the walkway or attempt to carry a load too big to see over. **Be cautious.** Take the pathway provided; it is most apt to be free of trip hazards. If you are carrying a load, make sure you can see your footing.

**Lighting and clutter hazards.**--Lights left off and burned out bulbs can interfere with your ability to identify possible tripping hazards. Always turn on lights before going into a room. Keep all work areas well lit. Replace burned out light bulbs and always replace worn or frayed fixtures or cords. Clutter is another common hazard. Tools, broken boards, boxes, hoses, toolboxes, pipes, rope and even lunchboxes lying around can cause an injury. Keep work areas clean and free of clutter, especially in storage rooms and walkways.

Many injuries off the job are caused by tripping on stairs at home. Loose carpeting, buckling stair treads and broken floorboards are trip hazards that invite injury. Throw rugs can bunch or slide. Clutter on stairs is a potential trip hazard. Use two-sided tape or small carpet tacks to fix loose carpeting. Fix stair treads that are loose and make sure handrails are secure. Don't use stairs as temporary closets. Watch for household pets underfoot.

## **Preventing Falls**

Falls occur whenever you move too far off your center of balance. Slips and trips often push you off your center of balance far enough to cause a fall, but there are many other ways to fall. Makeshift ladders, misuse of ladders, and inadequate equipment for a job are the most common causes of falls.

**Makeshift ladders**--It's sometimes tempting to use whatever is handy to build a ladder. Standing on the tops of chairs or barrels or trying to elevate a ladder by placing it on something often cause injuries. Make sure you have the right climbing equipment for the job. Don't invent climbing equipment. Once you are using the right equipment, don't overreach. Keep your arms and legs close to your center of balance.

**Incorrect use of ladders**--Once you have the right equipment, you must use it correctly. Set the base out from its support one foot

for every four feet of working ladder height. Have someone hold the base or tie off the ladder securely. Set the ladder on firm, stable ground. Never use the top rung and inspect the ladder before using it.

### **Special Hazards**

All jobs and work situations have their own specialized equipment and special equipment demands extra caution. Fixed ladders, vehicles, scaffolds and platforms all require special attention. Keep in mind these tips to prevent needless injuries on the job.

### **Fixed Ladders**

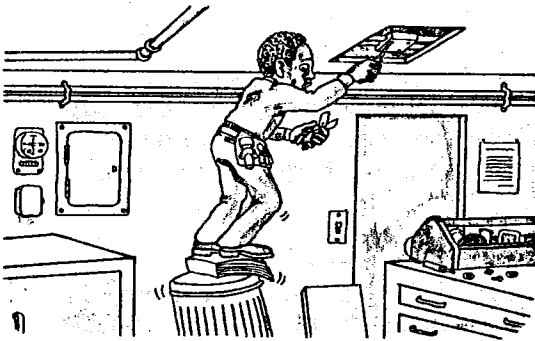
Keep body parallel to verticle ladders when climbing.  
Use fall restraint devices where provided.  
Follow your company's safety rules.

### **Vehicles**

Use safety cages on fork lifts.  
Don't jump from tailgates on trucks.  
Use caution stepping into or out of all vehicles.

### **Scaffolds and Platforms**

Use fall prevention devices where provided.  
Use lifting devices to transport supplies.  
Move the platform instead of overreaching.  
Clean up spills immediately.





# ABSTRACT FROM FATAL ACCIDENT

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



## Fatal Electrical Accident

**General Information:** The crew entered the underground coal mine via portal bus and traveled to the active working areas. Coal production and preparation activities continued normally except that the circuit breaker for the roof-bolting machine tripped several times during the shift.

**Description of Accident:** The roof-bolting-machine operator and the operator's helper completed roof-bolting in two places and had started roof-bolting in the No. 4 entry when the frame of the roof-bolting machine became energized. The roof-bolting machine helper explained that before the roof-bolting machine was moved to the No. 4 entry, the victim had received several shocks from the frame of the machine but the condition was not reported.

After two roof bolts were installed in the No. 4 entry, the frame of the roof-bolting machine became energized to the extent that the roof bolter operator had to shut it down. The helper stated that the victim called the shift supervisor and told him to disconnect the power on the roof-bolting machine trailing cable. He also told him that the frame of the roof-bolting machine was energized and asked for someone to come and check the machine. After waiting approximately three minutes, the victim removed his rubber gloves and attempted to get something from the top of the machine when he fell across the drill head. The helper immediately tried to pull the victim off the machine by his feet but was unable to hold on due to excessive voltage. He then removed the victim using a wooden board.

**Conclusions:** The fatality occurred when the roof-bolting machine operator contacted the frame of the roof-bolting machine which had become energized to 480 volts as a result of the following violations:

1. At two locations in the roof-bolting machine trailing cable, damaged phase conductors had not been properly reinsulated. As a result, a phase to ground fault occurred at each location and the grounding conductors in the roof-bolting machine trailing cable burned open. Violation--Section 75.517-1.
2. The ground check circuit for the roof-bolting machine circuit had been intentionally defeated. Violation--Section 75-902.
3. Grounded phase protection for the roof-bolting machine circuit was inoperative because the conductor from the transformer neutral to the grounding resistor had burned open. Violation--Section 75.517-1
4. The mine operator failed to provide an examination, testing and maintenance program that would assure that the roof-bolting machine trailing cable and the protective devices in the power center were maintained in safe operating condition. Violation--Section 75.512.

# Abstract From Fatal Accident

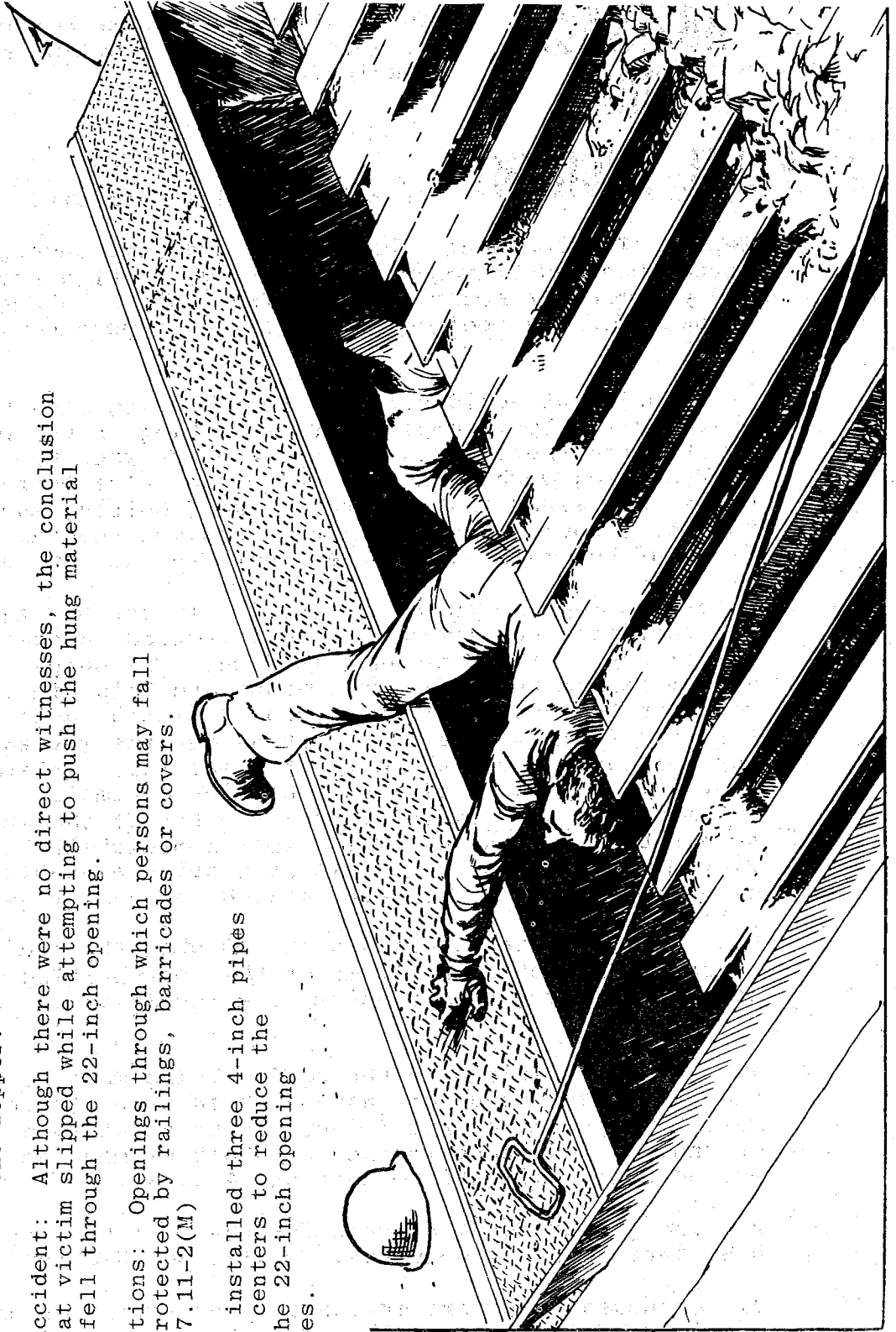
May 1987

Description of Accident: The victim, who worked in the raw storage building of a cement plant, begin his duties of cleaning up spilled material and making sure the belts were feeding. Shortly after starting, he went upstairs to help clear the hopper of hung material. There he met two employees and while talking, the Starve Light on the limestone hopper came on, indicating material not feeding properly. Soon, the light for the shale hopper came on. One of the other workers noticed that the iron ore hopper was low on material and proceeded to pick up a clam full of iron ore. The other employee went to the shale hopper. The victim was last seen as he picked up a poking rod. When the second employee turned from the shale hopper, he did not see the victim but observed a hard hat on the walkway. Not finding the victim anywhere around, he suspected that the victim might have fallen in the hopper. After a search, the victim was found suffocated in the hopper.

Cause of Accident: Although there were no direct witnesses, the conclusion was that the victim slipped while attempting to push the hung material loose and fell through the 22-inch opening.

Recommendations: Openings through which persons may fall shall be protected by railings, barricades or covers. (Section 57.11-2(M))

Management installed three 4-inch pipes on 12-inch centers to reduce the width of the 22-inch opening to 10 inches.





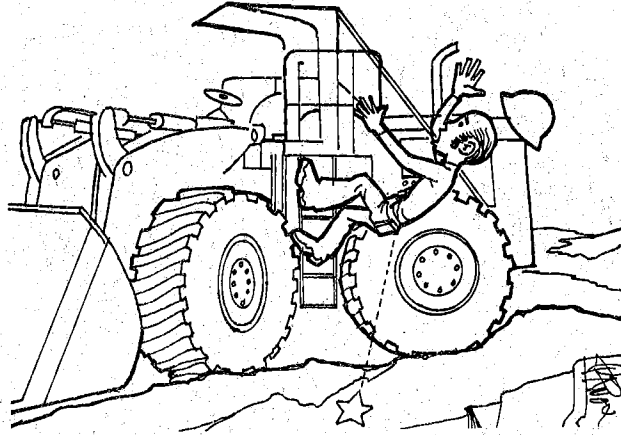
H.S.A. SAFETY TOPIC



## Climbing Hazards

**SAFETY TIP**--Employees required to climb onto surface mining equipment are subject to injuries resulting from slips and falls. The falls have been associated with slippery ladders and walkways. Accidents of this nature can be prevented by adhering to the following:

- Be aware of the condition of the walking or climbing surfaces.
- Assure that shoes are as clean and dry as possible before climbing or walking on equipment.
- Wear snug fitting clothing in good condition.
- Maintain firm footing and proper body position.
- Secure all inspection equipment that must be carried to accomplish the task.
- Wear approved eye protection.



## News You Can Use

### 6th International Conference on Ground Control in Mining

The 6th International Conference on Ground Control in Mining, sponsored by the US Bureau of Mines, Mine Safety and Health Administration and West Virginia University will be held June 9-11, 1987, at the Sheraton Lakeview Resort and Conference Center, Morgantown, West Virginia.

The objective of the conference is to promote closer communication between the researchers, consultants, manufacturers and the mine operators. The program is oriented toward problem-solving in mining operations.

For more information contact Alice Kerns at (304) 293-5695 or write to Department of Mining Engineering, West Virginia University, PO Box 6070, Morgantown, West Virginia 26506.



## H.S.A. SAFETY TOPIC



# Slippery When Wet!

**SAFETY TIP**--Wet, slippery and poor conditions of mine site and parking lot surfaces are a contributing factor to injuries. Severity of the injuries range from first aid attention to temporarily disabling. The most common injury is strain or sprain to the back and knee.

Prevention of these types of accidents often relies on your awareness of the problem. You should be alert to the condition of these surfaces when carrying out normal duties. Watch for water, holes in the surfaces, loose material, dust and debris that may cause slips. Always visually check the path you intend to follow while you move about. Extra precautions should be taken when snow, ice or water is present.





## Test Your Tool Knowledge

The tools we use everyday are well known to us. However, the degree of care we give them and the way we use them can contribute to an accident. Test your tool knowledge by taking this short quiz.

1. To increase leverage when using a ratchet wrench, it is recommended that a substantial piece of pipe be slipped over the handle. TRUE OR FALSE
2. When using an adjustable wrench, it is recommended that the open jaws face the user. TRUE OR FALSE
3. An adjustable wrench would be pushed rather than pulled. TRUE OR FALSE
4. The screwdriver is one of the most universal of tools. It can be used as a drill or a punch as well as for turning screws. TRUE OR FALSE
5. A roughness on the handle of a screwdriver may be smoothed by light sanding. TRUE OR FALSE
6. The plastic covering on long nose pliers is for protection against hazardous voltages. TRUE OR FALSE
7. When using a hacksaw, pressure should only be applied on the forward stroke. TRUE OR FALSE
8. Tape may be used to secure the fraying ends of a rope. TRUE OR FALSE
9. Temperature has no effect on tools. TRUE OR FALSE
10. If a chain hoist is hard to operate, a good dose of oil will cure it. TRUE OR FALSE

---

### ANSWERS

1. FALSE--This is a dangerous practice.
2. TRUE--This action tends to force the wrench onto the nut.
3. FALSE--This is asking for sore knuckles.
4. FALSE--A screwdriver is just that.
5. TRUE
6. FALSE--It's there for comfort only.
7. TRUE--That's how the blade is designed to cut.
8. FALSE--Tape will trap water which will rot the rope.
9. FALSE--Metal tools can become somewhat brittle below 50 degrees.
10. FALSE--Oil a chain hoist only at the indicated oil holes. Otherwise return it for repair.



H.S.A. SAFETY TOPIC



# OFF-HIGHWAY TRUCK SAFETY MANUAL

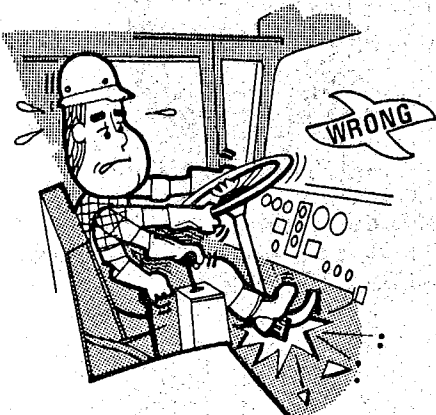
FOR OPERATING AND MAINTENANCE PERSONNEL

PROMOTE SAFETY

## 4 YOUR NEXT MOVE - OPERATE SAFELY

### FOR OVERALL SAFETY ...

During your shift, check ALL controls and instruments periodically. Pay attention to the responsiveness of steering controls and service and parking brakes. Report any faulty operation immediately. Improper steering action can also indicate tire trouble.



### FOR STEERING SAFETY ...

Familiarize yourself THOROUGHLY with the manufacturer's instructions for the steering and emergency controls of your vehicle. In the event the system does not work properly —

**STOP IMMEDIATELY!  
HAVE UNIT REPAIRED!**

And — **DO NOT START** again until system operates as it should.

### FOR BRAKE SAFETY ...

#### Understand Functions:

Your unit may have brakes for several functions. In addition to service brakes to CONTROL and STOP truck, it may have a retarder to CONTROL SPEED on downgrades, brakes to HOLD truck while loading and dumping, and PARKING brakes. Some units may be equipped with STEERING brakes.

If your vehicle is also furnished with an EMERGENCY braking system, familiarize yourself with its operation as specified in the manufacturer's manual.

#### Use Properly:

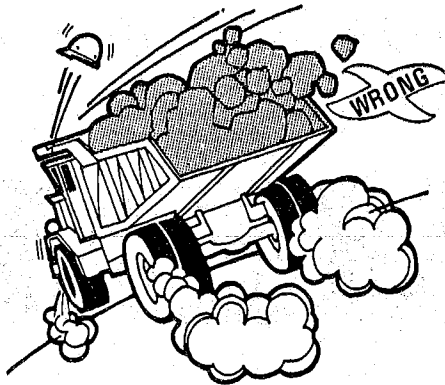
Use each type of brake carefully and in strict accordance with manufacturer's instructions. Proper use of brakes will increase their life span — and possibly yours.

**4 YOUR NEXT MOVE - OPERATE SAFELY**

**Observe Precautions:**

Repeated on-off application of the service brakes on downgrades can reduce air pressure to a dangerous low.

- AVOID "FANNING" THE FOOT PEDAL WHILE STOPPING

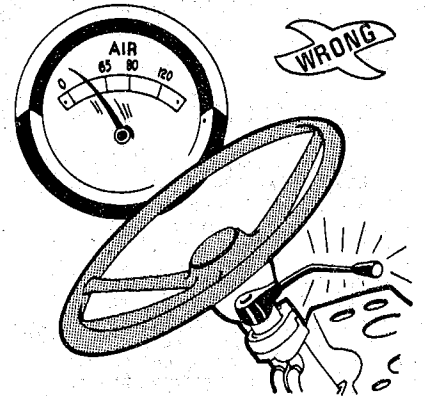


Avoid applying brake continuously on a long downgrade unless system is so designed. Use engine for additional brake force — or, if so equipped, the auxiliary retarder.

- ALWAYS ANTICIPATE GRADE — AND SELECT PROPER GEAR RANGE ACCORDINGLY

Use the holding brake ONLY while loading and dumping. Stop truck completely before applying — and release brake before moving.

- NEVER USE HOLDING BRAKE FOR PARKING



**PROMOTE SAFETY**

**4 YOUR NEXT MOVE - OPERATE SAFELY**

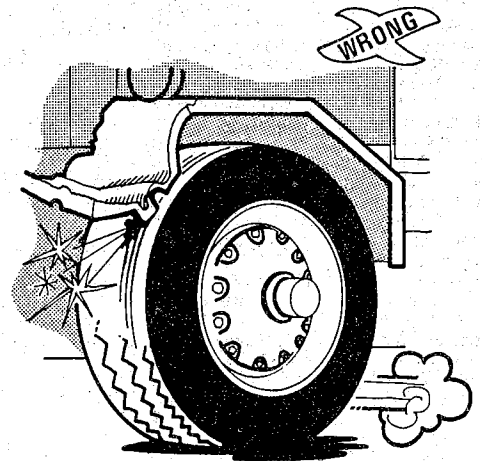
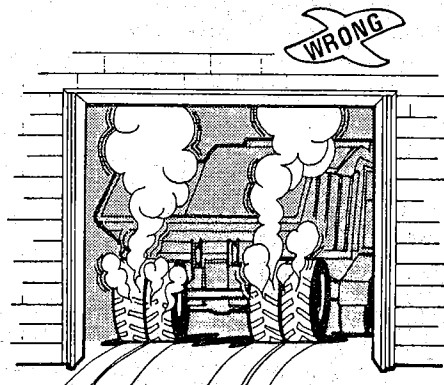


Use the parking brake ONLY for parking. While an emergency may possibly justify using this brake to help slow truck —

- NEVER DEPEND UPON PARKING BRAKE TO STOP YOUR TRUCK

**FOR TIRE SAFETY ...**

Inspect tires periodically during your shift. Check for flats. If truck has been run on a flat, let all tires cool before parking truck in a building



Check for rubbing. Tires must not contact any part of the vehicle during normal operations



**MINE SAFETY AND HEALTH ADMINISTRATION**

4800 Forbes Avenue  
Pittsburgh, PA 15213  
(412) 621-4500 Ext. 650

# MEMO

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C. William Parisi Pittsburgh, PA

**TO:** HOLMES SAFETY ASSOCIATION MEMBERS AND FRIENDS

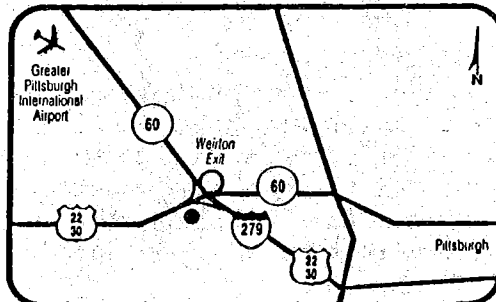
**FROM:** WILLIAM H. HOOVER, NATIONAL SECRETARY

**SUBJECT:** Holmes Safety Association and Joseph A. Holmes Safety Association National Council Meetings, May 28, 1987.

Well, another year has gone by and I thought it would be nice to say hello and give you some general information concerning our 1987 annual meetings.

It is always a pleasure to meet each of you at our annual meeting and I hope everyone who attended last year in Canaan Valley Resort, Davis, West Virginia, will agree that we had an excellent meeting. The West Virginia State Council, the district councils, chapter members and the supporting industrial suppliers and distributors did an outstanding job.

The time is rapidly approaching to make plans to attend our 1987 meetings. The meeting will be held at the Comfort Inn-Tonidale, Routes 22 & 30W at the Route 60 interchange, Pittsburgh (Oakdale), Pennsylvania 15071. Telephone 412-787-2600. Check in will be May 27 and the meetings and award banquet will be on May 28. Following dinner, there will be a band for your listening and dancing pleasure. Please see the following pages for more information.





**HOLMES SAFETY AND JOSEPH A. HOLMES SAFETY ASSOCIATION  
ANNUAL MEETINGS  
MAY 27-28, 1987  
REGISTRATION INFORMATION**

ADVANCE REGISTRATION

A block of 50 rooms has been reserved. Advance registrations will be accepted until May 10 on a first-come, first-serve basis. Advance registrations will be acknowledged upon receipt. Room payments due on departure at hotel desk. Cancellations for dinner will be refunded, if written request for cancellation is received, no later than May 20.

**RESERVATION REQUEST--MAY 27-28, 1987**

**COMFORT INN-TONIDALE, PITTSBURGH, PA.**

\$34 - Single ( ) No. of Rooms Required ( )  
\$38 - Double ( ) No. of Rooms Required ( )

Arrival Date \_\_\_\_\_ Departure Date \_\_\_\_\_

**DINNER/DANCE TICKETS--\$18.50 includes tax and gratuity\***

Includes: Canadian Cheese Soup, Tossed Salad, Filet Mignon Bordelaise, Baked Stuffed Potato, Broccoli with Cheese Sauce, Bananas Foster, Coffee/Tea.

No. of Banquet Tickets at \$18.50 \_\_\_\_\_.

\*Payment for dinner/dance tickets must accompany reservation request. Make checks payable to William H. Hoover, National Treasurer, Holmes Safety Association.

NAME \_\_\_\_\_ PHONE \_\_\_\_\_

REPRESENTING \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Please return no later than May 10, 1987 to:

MSHA, Holmes Safety Association  
4800 Forbes Avenue, Room A271  
Pittsburgh, PA 15213

RESERVATION FOR GRAY LINE TOUR:

Spouses and guests are invited to tour Pittsburgh and its rivers on Thursday, May 28. This six-hour tour will leave the hotel at 9 a.m and includes a tour of the city's architectural variations followed by a Gateway Clipper River Cruise and a stop-over for shopping and/or lunch at Station Square. Fares are \$19.50 adult/10.50 child Make the following reservations \_\_\_\_\_ adult \_\_\_\_\_ child (Payment due at time of tour).



## EASY TO FIND

**THE TONIDALE**  
**RD# 1 OAKDALE, PA. 15071**  
**(412) 787-8160**

THE COMFORT INN - THE TONIDALE IS A SMALLER LESS COMMERCIAL PROPERTY WHICH LENDS ITSELF TO FAR MORE PERSONALIZED SERVICE AND ACCOMODATIONS. LOCATED ON ROUTES 22 & 30 WEST OFF THE PENN-LINCOLN PARKWAY-WEIRTON EXIT. IT IS WITHIN 20 MINUTES OF DOWNTOWN PITTSBURGH AND 10 MINUTES OF THE GREATER PITTSBURGH INTERNATIONAL AIRPORT.

### RECREATIONAL FACILITIES NEAR BY

- \* SCALLY'S GOLF CENTER - TWO 9-HOLE COURSES, DRIVING RANGE
- \* FALLEN TIMBERS - 18-HOLE, SEMIPRIVATE CLUB
- \* YMCA - NAUTILUS, TENNIS, RACQUET BALL HOTEL GUESTS, SPECIAL CONSIDERATION
- \* SEVERAL BOWLING LANES
- \* MOVIE CINEMAS
- \* 2 NEAR BY SHOPPING MALLS
- \* SETTLERS CABIN PARK - SEASONAL SWIMMING, PICNICS, HIKING TRAILS

### POINTS OF INTEREST

- \* THREE RIVERS STADIUM
- \* MT. WASHINGTON & MONONGAHELA INCLINES
- \* CIVIC ARENA
- \* GATEWAY CLIPPER FLEET
- \* HEINZ HALL
- \* CARNEGIE MUSEUM
- \* KENNYWOOD AMUSEMENT PARK
- \* UNIVERSITY OF PITTSBURGH
- \* PITTSBURGH ZOO
- \* AVIARY
- \* BUHL PLANETARIUM
- \* OLD ECONOMY VILLAGE
- \* FRICK ART MUSEUM
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 HOURS M-TH 7AM TO 10PM  
 F-SAT 7AM TO 11PM  
 SUN 7AM TO 9PM
- \* THE TONIDALE LOUNGE  
 HOURS M-TH 11:30AM TO MIDNIGHT  
 F-SAT 11:30AM TO 1AM  
 SUN 11:30AM TO 9PM
- \* THE TONIDALE BAKE SHOP  
 HOMEMADE DESSERTS AND PASTRIES
- \* THE TONIDALE CATERING SERVICE  
 CATERING YOUR OUTSIDE NEEDS

### AVAILABLE BALLROOMS AND CONFERENCE ROOMS CONVENTION FACILITIES

ROOM	SIZE	SQ. FT	THEATRE	CLASSROOM	BANQUET
CORINTHIAN ROOM I	38' X 23'	874	100	40	80
CORINTHIAN ROOM II	39' X 33'	1287	150	60	100
CORINTHIAN ROOM "C"	A COMMON ROOM TO I & II GIVING AN EXTRA 775 SQUARE FEET				
CORINTHIAN ROOM III	27' X 43'	1161	150	70	120
THE TONIDALE ROOM	18' X 28'	504	50	25	30
BOARD ROOMS 120 & 122	N/A	N/A	N/A	8/10 CONFERENCE STYLE	

*ALL ROADS LEAD TO --- THE COMFORT INN AND THE TONIDALE*  
**COME ON HOME.....**  
**COME TO THE TONIDALE!**

May 1987

### HSA ANNOUNCES 1986 DISTRICT COUNCIL WINNERS

Twenty-one underground and 19 surface district councils were at the starting gate and off, competing in the Third Annual National Council, Holmes Safety Association District Council Competition; however, seven underground and six surface councils scratched during the run.

The majority of councils completed the turn with the third quarterly report then failed to submit the final fourth quarter report. WHY? The final tally ho left 13 underground and 13 surface councils crossing the finish line.

Congratulations are in order to 14 of 21 underground and 16 of 19 surface district council chapter mines for being fatality free in 1986.

The three groups of Surface council mines reported 24.32 million work hours, four fatals and 385 lost work day injuries (NFDL) for an incidence rate of 3.17 per 200,000 work hours of exposure (WHE). Work hours decreased 800,000 and injuries and fatalities increased 71 and two respectively over 1985.

Underground council mines reported 68.18 million work hours, 16 fatals and 2,621 lost work day injuries (NFDL) for an incidence rate of 7.73 per 200,000 WHE. Work hours decreased 12.5 million and injuries and fatalities fell 463 and two respectively over 1985.

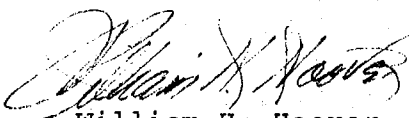
Surface and underground mines reported 20 fatalities and 3,076 occupational injuries in 1986 with 92.70 million hours of work time for an incidence rate of 6.63. In 1985, the incidence rate was 6.40 with 106.96 million hours of work time.

The rate of nonfatal lost-time injuries in district council coal mines was 7.0, an increase of 0.60 over 1985. The fatality rate was 0.004 in 1986 compared with 0.003 in 1985.

To be in competition for 1987, all district councils are reminded that the first quarterly district council report should be mailed no later than 60 days following the end of the first quarter and for every quarter thereafter.

I believe one of the problems of not getting the last quarterly report in to the National Council involved the change of council officers at the end of the year (election time). Outgoing secretaries should take time to instruct the newly elected secretary of the reporting procedure.

We hope to see you at the forthcoming National Council and Joseph A. Holmes Safety Association Business, Awards and Banquet Meetings at Comfort Inn-Tonidale, Pittsburgh (Oakdale), Pennsylvania, on May 28, 1987. There will be a social hour on Wednesday and Thursday before the banquet. Bring spouses and guests--there will be a family bus and river cruise tour during the business meeting on May 28, 1987.

  
William H. Hoover  
National Secretary

**1986 NATIONAL DISTRICT COUNCIL COMPETITION WINNERS**

The following winners of the National District Council Safety Competition will be awarded at the National Council Annual Meeting, Comfort Inn-Tonidale, Pittsburgh (Oakdale), Pennsylvania, on May 28, 1987.

JANUARY-DECEMBER 1986

GROUP 1 - UNDERGROUND COAL - LEVEL OF 3,000,000 OR MORE (WHE)

Guyandotte District Council, Pineville, West Virginia had an aggregate work time of 4,993,976 hours, fatality free, with 103 occupational injuries (NFDL) for an incidence rate of 4.12 per 200,000 hours of exposure.

GROUP II - UNDERGROUND COAL - LEVEL OF 1,500,000 OR MORE (WHE)

Potomac Valley District Council, Oakland, Maryland, recorded 1,801,551 work hours, fatality free, with 37 occupational injuries (NFDL) for an incidence rate of 4.11 per 200,000 hours of exposure.

GROUP III UNDERGROUND COAL - LEVEL OF 1,499,999 OR LESS (WHE)

Windber District Council, Windber, Pennsylvania, totaled 191,320 hours of work time, fatality free, with three occupational injuries (NFDL) for an incidence rate of 3.14 per 200,000 hours of exposure.

GROUP I SURFACE COAL - LEVEL OF 2,000,000 OR MORE (WHE)

Southern Indiana Joint Safety Committee and Holmes Safety Association, Lynnville, Indiana, had an aggregate work time of 4,000,718 hours, fatality free, with 53 occupational injuries (NFDL) and an incidence rate of 2.65 per 200,000 hours of exposure.

GROUP II SURFACE COAL - LEVEL OF 1,000,000 OR MORE (WHE)

Western Maryland District Council, Grantsville, Maryland, recorded 1,040,494 hours of work time, fatality free, with one occupational injury (NFDL) and an incidence rate of 0.19 per 200,000 hours of exposure.

GROUP III SURFACE COAL - LEVEL OF 999,999 OR LESS (WHE)

Southeastern Ohio District Council, Wilkesville, Ohio, reported 545,609 work hours of exposure, fatality free, with 12 occupational injuries for an incidence rate of 4.40 per 200,000 hours of exposure.

HOLMES SAFETY ASSOCIATION  
 SORTED BY STANDING  
 COAL-SURFACE  
 SAFETY COMPETITION REPORT

YEAR-TO-DATE: JANUARY THRU DECEMBER 1986

QUARTER 4

COUNCIL NAME	CNCL NUM	WORK HOURS	LOST TIME ACC	INCI-			WORK HOURS	LOST TIME ACC	INCI-			TOT NO	AVG NO		
				FILLS	RATES	MTGS			FILLS	RATES	MTGS				
<b>GROUP I</b>															
SOUTHERN INDIANA JT SAFETY COM & HSA	IN02	909,036	12	0	2.64	2	6	2	4,000,718	53	0	2.65	5	6.0	1
GAULEY COUNCIL	WV05	455,563	7	0	3.07	1	10	3	2,159,677	31	2	3.06	5	10.0	2
SOUTHERN ILLINOIS OPEN-PIT	IL06	1,157,566	13	0	2.25	1	12	1	2,523,946	53	0	4.20	3	9.3	3 xxx
COAL RIVER COUNCIL	WV02	688,351	11	0	3.20	2	32	4	3,533,183	78	0	4.42	8	31.8	4
<b>GROUP II</b>															
WESTERN MARYLAND	MD02	342,473	0	0	.00	1	29	1	1,040,494	1	0	.19	4	25.5	1
N. INDIANA JT. COMM. FOR COAL MINE SAF	IN01	466,219	3	0	1.29	1	6	4	1,935,425	17	0	1.75	6	6.0	2
GUYANDOTTE COUNCIL	WV06	235,307	0	1	.85	1	0	3	1,108,744	9	1	1.80	6	.0	3 xxx
GROVE CITY/CLARION COUNTY COUNCIL	PA05	433,131	4	0	1.85	0	15	5	1,782,051	18	0	2.02	1	15.0	4 xxx
ARACOMA COUNCIL	WV01	0	0	0	.00	0	0	2	1,937,912	36	0	3.72	4	5.0	5 x
<b>GROUP III</b>															
MON VALLEY COUNCIL	WV08	0	0	0	.00	0	0	3	747,126	4	0	1.07	3	34.3	1 xxx
NEW RIVER VALLEY COUNCIL	WV10	0	0	0	.00	0	0	3	966,268	15	0	3.10	4	23.8	2 x
JOHN O MILLER COUNCIL	PA09	34,452	0	0	.00	1	1	1	175,529	3	0	3.42	7	2.0	3 xxx
KISKI - TRI-COUNTY COUNCIL	PA08	37,368	1	0	5.35	2	2	10	170,285	3	0	3.52	8	2.0	4 xxx
WINDING GULF	WV15	0	0	0	.00	0	0	3	142,352	2	1	4.21	1	4.5	5 xxx
SOUTHEAST OHIO COUNCIL	OH02	142,314	3	0	4.22	2	6	9	545,609	12	0	4.40	11	6.0	6
CENTRAL ILLINOIS OPEN-PIT COUNCIL	IL01	0	0	0	.00	0	0	3	168,788	4	0	4.74	2	1.3	7 xxx
KANAWHA VALLEY	WV07	0	0	0	.00	0	0	3	885,318	24	0	5.42	3	5.0	8 xxx
INDIANA COUNCIL	PA07	150,726	3	0	3.98	1	5	8	624,725	17	0	5.44	7	5.0	9
CLYMER COUNCIL	PA04	17,538	0	0	.00	4	2	2	72,026	5	0	13.88	12	2.0	10 xxx

May 1987

\* NO DATA EXISTS FOR A QUARTER  
 \*\* CHAPTER AVERAGE IS LESS THAN 5  
 \*\*\* NUMBER OF MEETINGS IS LESS THAN 4

HOLMES SAFETY ASSOCIATION  
 SORTED BY STANDING  
 COAL-UNDERGROUND  
 SAFETY COMPETITION REPORT

YEAR-TO-DATE: JANUARY THRU DECEMBER 1986

QUARTER 4

COUNCIL NAME	CNCL NUM	WORK HOURS		LOST TIME		INCI- DENCE		LOST TIME		INCI- DENCE		TOT AVG			
		HOURS	ACC	F TLS	NO	RATES	MTGS	CHAP	STD	ACC	F TLS	RATES	MTGS	CHAP	STD
GROUP I															
GUYANDOTTE COUNCIL	WV06	1,030,060	25	0	4.85	1	104	2	4,993,976	103	0	4.12	6	104.0	1
GAULEY COUNCIL	WV05	681,094	17	0	4.99	1	10	3	3,261,922	68	0	4.17	5	10.0	2
NORTH CENTRAL COUNCIL	WV11	944,401	32	0	6.78	1	4	7	3,996,405	93	5	4.90	4	5.0	3
WALTER W *KINGFISH* KESSLER	IL07	1,082,840	32	0	5.91	1	6	6	4,635,439	132	0	5.70	4	6.0	4
SOUTHEAST OHIO COUNCIL	DHO2	1,002,062	26	0	5.19	2	7	4	4,184,023	121	1	5.83	11	7.0	5
WILLIAM *SCOTT* GROVES COUNCIL	PA06	1,538,201	43	0	5.59	3	19	5	7,224,837	210	1	5.84	12	18.8	6
COAL RIVER COUNCIL	WV02	1,266,991	49	0	7.73	2	58	9	6,404,755	243	1	7.62	8	57.5	7
NEW RIVER VALLEY COUNCIL	WV10	0	0	0	.00	0	0	1	3,356,406	131	0	7.81	4	35.5	8
JOHN E. JONES	IL02	2,621,535	98	1	7.55	1	14	8	11,788,800	570	6	9.77	4	14.5	9
INDIANA COUNCIL	PA07	1,606,666	129	1	16.18	1	17	10	6,797,572	466	1	13.74	7	17.0	10

GROUP II

POTOMAC VALLEY	MD01	597,761	14	0	4.68	1	8	3	1,801,551	37	0	4.11	4	7.8	1
KASKASKIA VALLEY	IL03	0	0	0	.00	0	0	1	2,013,352	61	0	6.06	2	1.8	2
ARACOMA COUNCIL	WV01	0	0	0	.00	0	0	1	2,527,132	91	1	7.28	4	10.0	3

GROUP III

WIMBER COUNCIL	PA11	52,238	1	0	3.83	1	7	5	191,320	3	0	3.14	5	7.0	1
EAST PIKE COUNTY	KY01	0	0	0	.00	0	0	1	657,994	19	0	5.78	1	2.5	2
HINDING GULF	WV15	0	0	0	.00	0	0	1	967,933	33	0	6.82	1	9.3	3
KANAWHA VALLEY	WV07	0	0	0	.00	0	0	1	965,382	37	0	7.67	3	5.0	4
KISKI - TRI-COUNTY COUNCIL	PA08	87,605	5	0	11.41	2	5	7	375,620	17	0	9.05	8	5.0	5
MDM VALLEY COUNCIL	WV08	0	0	0	.00	0	0	1	343,281	17	0	9.90	3	8.8	6
CLYMER COUNCIL	PA04	85,160	3	0	7.05	4	7	6	374,315	29	0	15.49	12	7.0	7
JOHN O MILLER COUNCIL	PA09	283,882	34	0	23.95	1	2	8	1,321,691	140	0	21.18	7	3.5	8

May 1987

\* NO DATA EXISTS FOR A QUARTER

\*\* CHAPTER AVERAGE IS LESS THAN 5

\*\*\* NUMBER OF MEETINGS IS LESS THAN 3

*See Special Reduced Registration Offer!* *Mark Your Calendar!*

**August 17-19, 1987**  
**The Pennsylvania State University**  
**University Park, Pennsylvania**

## TRAM XIV

### MINING EXCELLENCE THROUGH EDUCATION AND TRAINING

#### THE CONFERENCE

TRAM XIV is a training conference for all segments of the mining industry: management, labor, government, educational institutions, manufacturing, and consulting.

TRAM is an acronym for "Training Resources Applied to Mining." TRAM's goal is defined in its motto, "Promoting professionalism and excellence in mining training."

The conference is divided into three separate tracks with concurrent presentations.

#### PRELIMINARY PROGRAM

##### TRACK 1: Supervisory/Management Training

- Reinforcement Program for Supervisors
- Latent Image Techniques
- Task-Oriented Team Building
- Miner Absenteeism
- How Adults Learn
- Special Training Programs
- Decision Making with Microcomputers
- Leadership Style: Impact on Cost and Safety

##### TRACK 2: Maintenance Training

- Special Topic: Utilizing Computers
  - Identifying Training Needs
  - Maintaining Training Records
  - Desk Top Publishing
  - Computer-Assisted Instruction
- Cost/Benefit Analysis
- Needs of the Future
- Innovative Techniques
- Productivity Improvement

##### TRACK 3: Mandatory/Instructor Development Training

- Training Crews for Fire Fighting
- Hearing Conservation
- Self-Contained Self-Rescuer
- Legally Required Tasks for Supervisors
- Mounting and Dismounting Heavy Equipment
- Flexibility of Part 48 Training
- Decision-Making Skills
- Hazard Recognition: Ground Control
- Substance Abuse

#### LOCATION, LODGING, AND TRAVEL

Penn State is located in State College, Pennsylvania, near the geographical center of the state on routes 26 and 322. All conference sessions will be held at the Keller Conference Center:

The University has reserved a block of rooms for conference attendees at the Nittany Lion Inn. Enrollees should make reservations directly with the Inn by calling (814) 237-7671 and stating that they plan to attend the TRAM XIV Conference. Other hotels and motels in the area include:

Autoport Motel	(814) 237-7666
Elby's State College Inn	(814) 237-8005
Hall's Motel	(814) 238-6783
Hampton Inn	(814) 231-1590
Happy Valley Motor Inn	(814) 238-8461
Holiday Inn Penn State	(814) 238-3001
Imperial 400 Motel	(814) 237-7686
Nittany Budget Motel	(814) 237-7638
Sheraton Penn State	(814) 238-8454
South Ridge Motor Inn	(814) 238-0571
Stevens Motel	(814) 238-2438
Toftrees Resort	(814) 237-5311

USAir/Allegheny Commuter airline provides numerous daily flights into University Park Airport via Pittsburgh, Philadelphia, and Harrisburg. The University Park Airport is five miles from campus with limousine and taxi service (on call) available for all flights. The airport telephone number is (814) 355-5511.

#### For More Information, Contact:

Professor Robert L. Frantz  
 College of Earth and Mineral Sciences  
 Department of Mineral Engineering  
 126 Mineral Sciences Building  
 University Park, PA 16802  
 (814) 865-7472

# COUNCIL NEWS

## **Pennsylvania Bituminous Council**

The Pennsylvania Bituminous Council held its annual awards dinner meeting on March 20 at the Omni Civic Center, Indiana, Pennsylvania. The meeting featured guest speaker Mark S. Singel, Lieutenant Governor of Pennsylvania.

Safety plaques were awarded to the following councils:

- Group 1--William "Scotty" Groves District Council.
- Group 2--Allegheny Valley District Council.
- Group 3--Grove City/Clarion County District Council.
- Group 4--John O. Miller District Council.

The meeting was attended by 250 persons.

\*\*\*\*\*

## **West Virginia State Council**

The West Virginia State Council held its fourth annual meeting at the Sheraton Inn, Clarksburg, West Virginia, on April 4-5.

Session I featured Tom Kessler, Superintendent, National Mine Safety and Health Academy as the keynote speaker. Safety awards were presented including the Pacesetter for Mine Safety Awards to those mines with the lowest incidence rate and the selection of the Coal Safety Leader for 1987.

The evening session featured a banquet with 106 in attendance.

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## **Southeastern Ohio District Council**

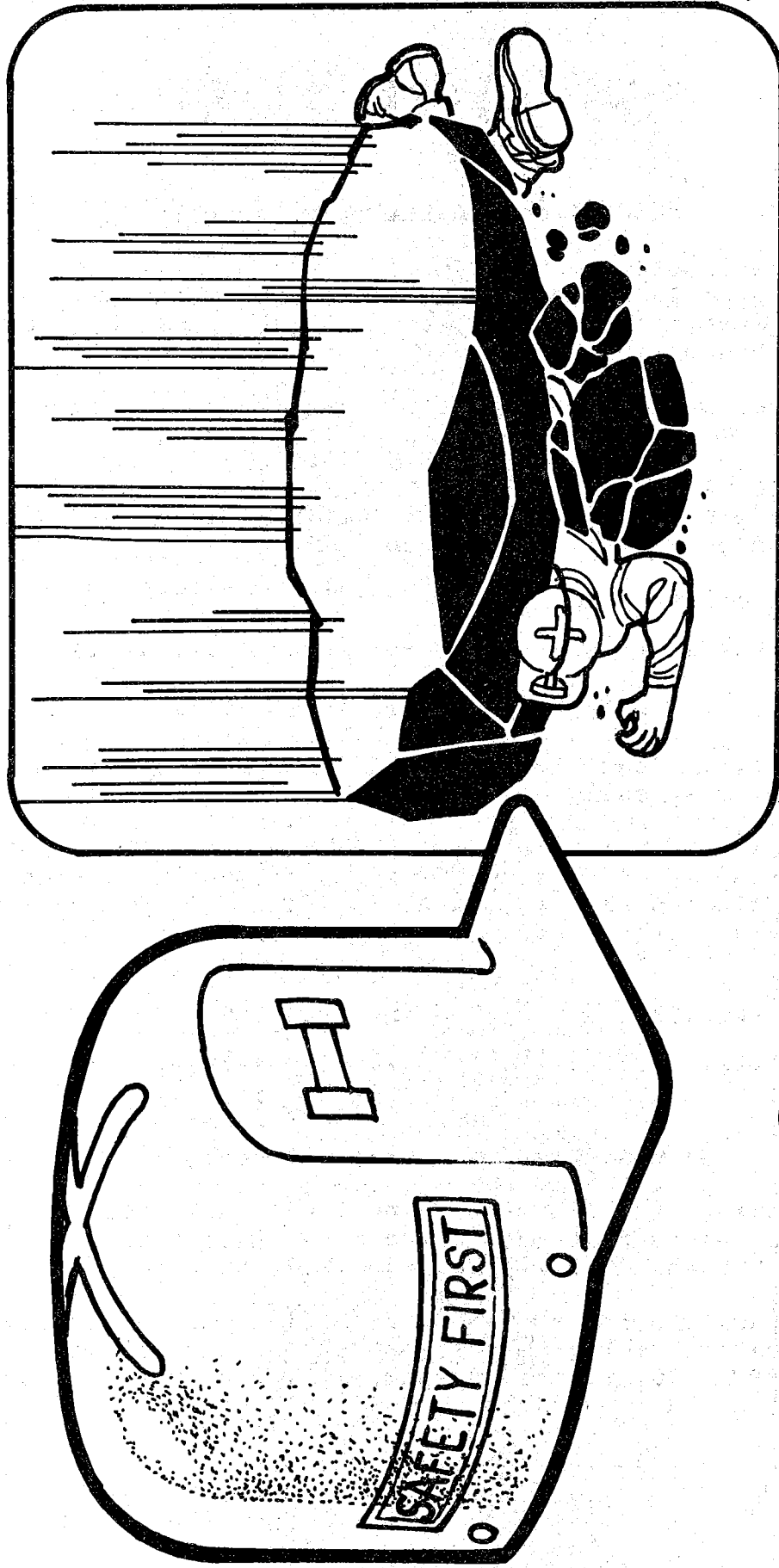
The Southeastern Ohio District Council will hold its Third Annual Ladies' Night Banquet at Ohio University, Nelson Hall, Ohio University, Athens, Ohio, on May 23, 1987, at 6:30 p.m.

National Council Secretary-Treasurer William H. Hoover will be a featured speaker. For more information contact Ellsworth Bengry, Secretary, MSHA, 107 S. Ohio Avenue, Wellston, Ohio 45692.



# Roof Evaluation — Accident Prevention

R.E.A.P. — a program developed to promote health and safety awareness in mining



**HARD HATS**  
 will not protect Hard Heads who go  
 inby supported roof

# THE LAST WORD

A wise person is never as certain of anything as a fool is of everything.

Learn from the mistakes of others. You can't live long enough to make them all yourself.

Success is getting what you want; happiness is wanting what you get.

Most problems we have are due to lack of business knowledge--of what is and what is none of our business.

It's easy to meet expenses these days; just turn in any direction.

Before you complain about growing old, consider the alternative.

If medical science continues to find ways to prolong life, some of us may live long enough to pay off the mortgages on our houses!

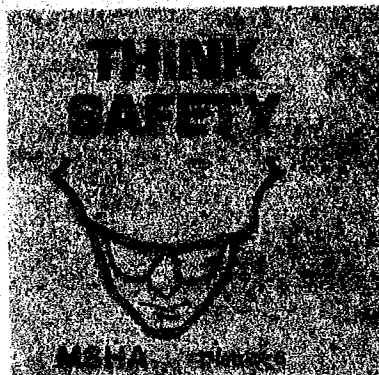
Some people boast about being able to talk "straight from the shoulder," but I'm more inclined to listen to those who talk from a little bit higher.

## MANAGEMENT'S SAFETY POLICY

"It shall be the policy of this company to conduct all operations safely; to prevent injury to persons and damage to property. Safety begins with planning and continues through design, purchasing, fabrication, construction, operation and maintenance. All practical steps shall be taken to maintain safe, healthful places of work by building safe and healthful conditions. Adequate protective and corrective equipment shall be used to minimize the existing hazards.

## HEADS UP!

It's not the wrench that slips and strikes,  
or the circuit that you thought was dead.  
It's not the machine that grabs your hand,  
or the stairs with the slippery tread.  
It's not the hole that you fell in,  
so please don't be misled.  
The thing that causes the accident,  
Is YOU not using your head.



The Joseph A. Holmes Safety Association was founded in 1916 by 24 leading National organizations of the mining industries.

The Joseph A. Holmes Safety Association is named to commemorate the first director of the Bureau of Mines for his efforts in reducing accidents and illness throughout the mineral industries.

The following is the different award criteria:

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, Room A268  
Pittsburgh, PA 15213

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