

Mine Site Construction



Hazard Awareness Challenges

THE IRON WORKERS'
UNION PROGRAM

Walter Wise

- General Secretary
IABSO&RIW
- Trustee
National Training Fund
- Chairman
Iron Worker-MSHA Committee
- Served an Ironworker
Apprenticeship 1974-1976
- Worked Throughout the Coalfields
1981-1989



The International Association of Bridge, Structural, Ornamental & Reinforcing Iron Workers, AFL-CIO

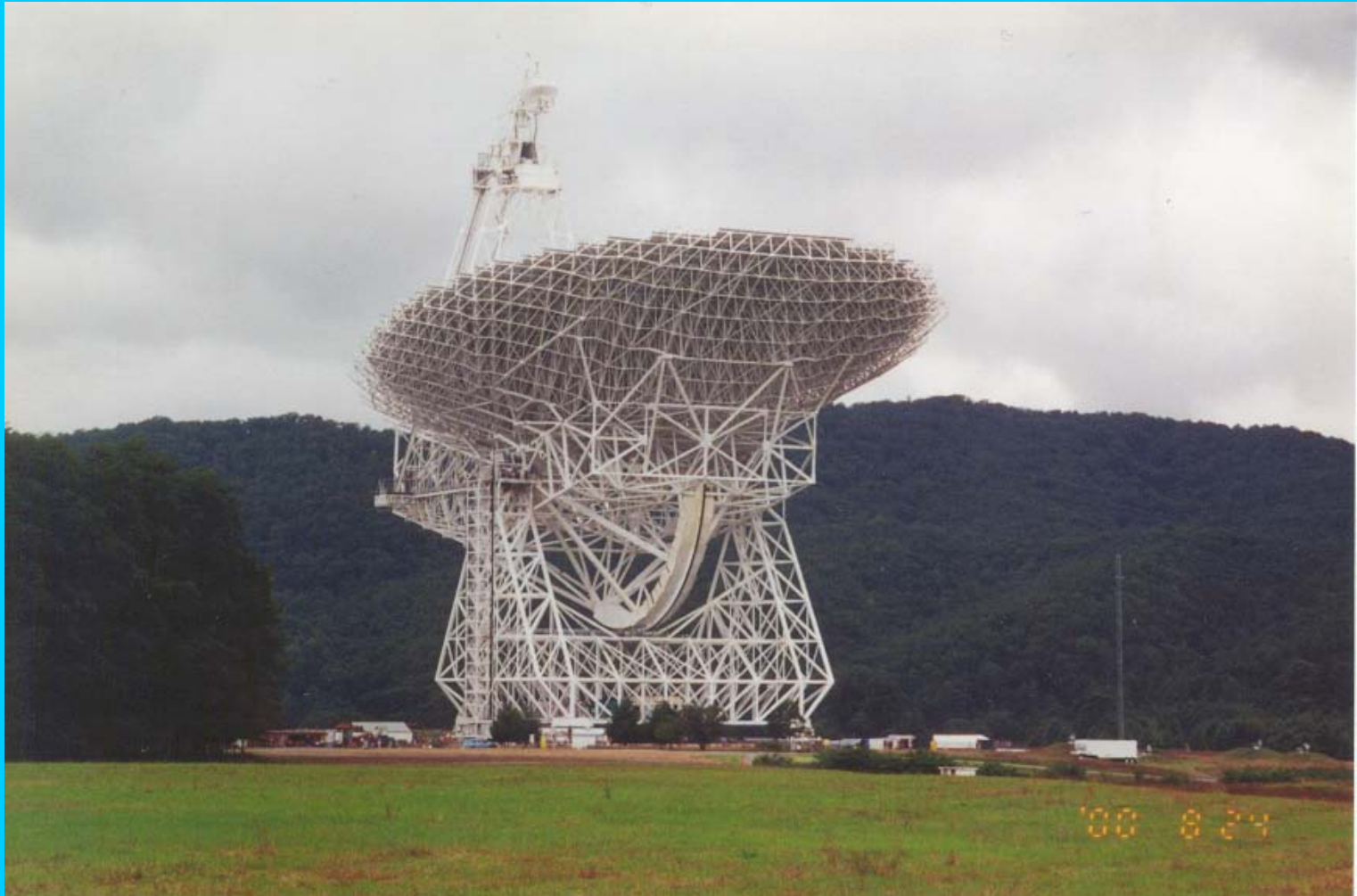
- **Formed on February 4, 1896, in Pittsburgh, PA**
- **Comprised of 6 Local Unions totaling 3,650 members**
- **Safety was the No. 1 issue**
- **In 1911, our organization was losing 1% of its membership a year to jobsite fatalities**

The International Association of Bridge, Structural, Ornamental & Reinforcing Iron Workers, AFL-CIO



- **174 Local Unions in the United States totaling 95,500 active members**
- **Safety is still the No. 1 issue**
- **In 2009, we had 12 fatalities or .0125% of our membership**
- **Employed by thousands of contractors under collective bargaining agreements through Local Union Hiring Halls**

Erect Structural Steel



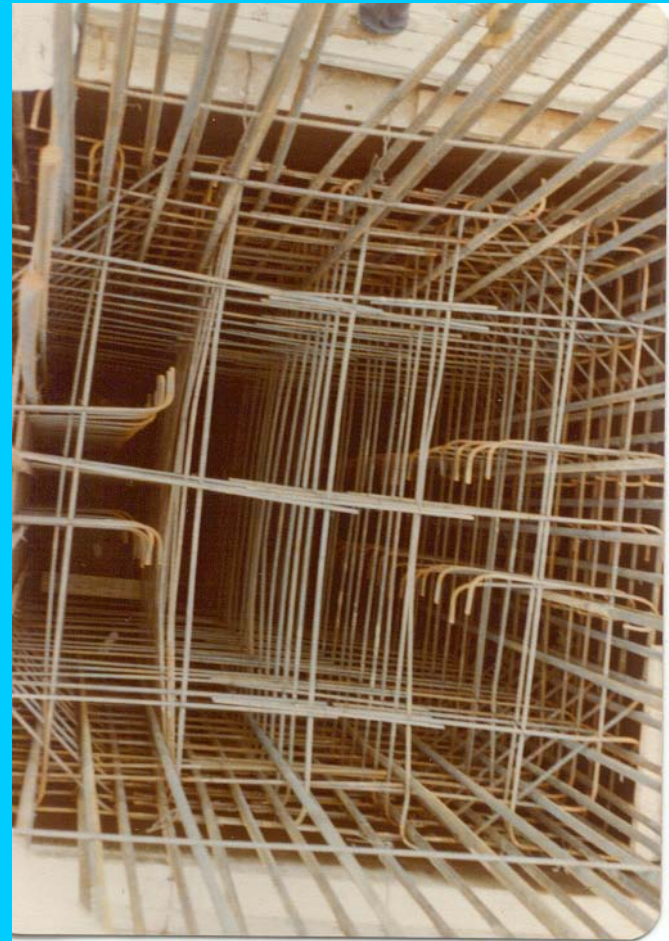
Green Bank Observatory, Green Bank, WV

Erect Structural Steel



Bluestone Bridge, Princeton, WV

Install Concrete Steel Reinforcing Bars



Bluestone Bridge Piers, Princeton, WV

Install & Move Heavy Machinery



Transformer, Huntington, WV

Install Metal Siding & Glass Curtainwall



Erect Metal Buildings



I.M.P.A.C.T.

Ironworkers Management Progressive Action Cooperative Trust



National Training Fund



Apprenticeship



Certifications



JIW Upgrading

**Instructor Training, Standardized Curriculum,
Training Materials, Record-keeping, Program Audits**



LOCAL UNION J.A.T.C.



LOCAL UNION MEMBERSHIP

NATIONAL TRAINING FUND

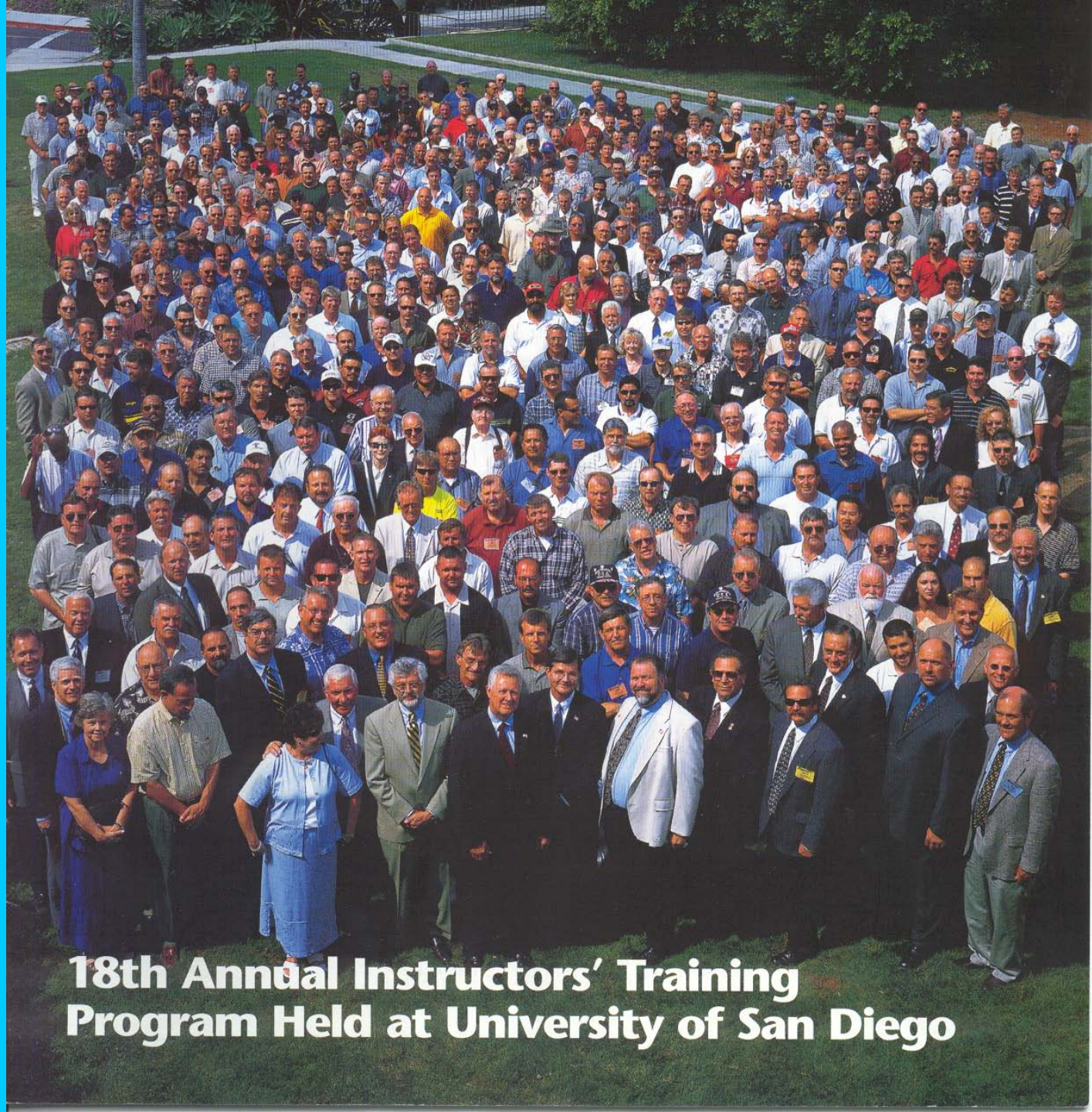
**Conducts Train-the-Trainer classes at three
Regional Training Centers**

St. Louis, MO

Oakland, CA

Northern New Jersey

**And at the Annual Instructors' Seminar at
the Eastern Michigan University and
Washtenaw Community College**



**18th Annual Instructors' Training
Program Held at University of San Diego**

NATIONAL TRAINING FUND

In addition to the 3-year and 4-year apprenticeship programs requiring 204 hours of classroom instruction per year and Journeyman Skill Upgrading, the National Funds offers the following certifications.

- Various American Welding Society certifications through 80 accredited facilities at Local Unions
- 40-hour Hazardous material, lead hazard, OSHA 10-hour and OSHA 30-hour Safety Course, CPR/First Aid
- Scaffold User/Erector/Dismantler, Post-Tensioning installation, Sub-part R Steel Erection, Aerial Lifts, and MSHA Safety Training



Iron Worker's Local #5

Joint Apprenticeship Training Committee

9110 Old Marlboro Pike
Upper Marlboro, MD 20772

Ph. 301-599-0940

Fax 301-599-5789







JOURNEYMAN IRONWORKER

- **PROFESSIONAL**
 - **ATTITUDE**
 - **SKILLS**

Our International
Association and Local
Unions dedicate nearly
50 million dollars per year
to membership training.

Money negotiated through
collective bargaining
agreements and allocated by
the membership to training.



SHEETING



CONVEYORS



SHAFT AND CABLE CHANGE OUT



A photograph of an industrial facility, likely a refinery or chemical plant. The image shows a complex network of large, horizontal pipes supported by a dense structure of steel beams and ladders. The pipes are painted in different colors, including white, orange, and brown. The background features a clear blue sky and some greenery in the foreground. The word "MAINTENANCE" is overlaid in large, bold, black capital letters across the center of the image.

MAINTENANCE

INSTALLATION



A LITTLE BIT OF EVERYTHING



APPROVED TRAINING PLAN

The Iron Worker **30 CFR Part 48 B** Plan
has been expanded to also meet the
requirements of **30 CFR Part 46**



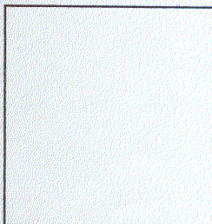
**83 LOCAL UNIONS
HAVE APPROVED TRAINING PLANS**

APPROVED INSTRUCTOR

290 Iron Worker
instructors have
been certified and
approved by MSHA

572-88-5082	
U.S. Department of Labor Mine Safety and Health Administration	
Instructor WISE WALTER W	
CODE IN	QAL 12/2000
CODE IS	QAL 12/2000

MSHA Form 5000-33a, Aug. 83	

	Mine Safety & Health Administration (MSHA)	
IRONWORKER INSTRUCTOR		
	Walter W. Wise	
	Approved Instructor	
	In accordance with Part 46 & Part 48-B, CFR Title 30	
Must be accompanied by MSHA Form 5000-33a, Aug. 83		

Jake West, General President International Association of Bridge, Structural, Ornamental & Reinforcing Iron Workers	Raymond J. Robertson, Chairman National Ironworkers & Employers Apprenticeship Training & Journeyman Upgrading Fund
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MEMBERSHIP TRAINING

**Incorporated into Local Union
Apprenticeship Classes**

**7,745 Ironworkers have completed new
miner training and refresher classes**

Based on approved OMB Number 1219-0070. False certification is Punishable under Section 110(a) and (f) of the Federal Mine Safety & Health Act (P.L. 91-173 as amended by P.L. 95-164).

Training conducted at:

I certify that the above training has been completed.

Signature of person responsible for Training

Date Training Completed

Joseph J. Hunt, General President

International Association of Bridge,
Structural, Ornamental and
Reinforcing Ironworkers

Trustees

National Ironworkers and Employers
Apprenticeship Training and
Journeyman Upgrading Fund



Certificate of Training for Ironworkers
Mine Safety & Health Administration (MSHA)
MSHA Approved Alternate Form 5000-23, Feb. 2001



has completed the following approved Training

New Miner Training - 48.25
Also Meets the Requirements of
Part 46.5 New Miner Training

I verify that I have completed the above training

This certificate is required under Public Law 91-173 as amended by Public Law 95-164. Failure to comply may result in penalties and other sanctions as provided by Sections 108 and 110 P.L. 91-173 as amended by P.L. 95-164.

Signature of person trained

Date

**Since 2000, Union Ironworkers have
worked over 13 1/2 million man-hours
on Mine Sites**

We have suffered one fatality

Iron Workers' Union

www.ironworkers.org

I.M.P.A.C.T.

Ironworkers Management

**Progressive Action Cooperative
Trust**

www.impact-net.org

Hazard Awareness Challenges

What's So Hard About Preventing Worker Accidents?

- Does the Worker Want to be Hurt ?
- Does his Employer Want Anyone Hurt?
- Does the Owner Want Anyone Hurt?



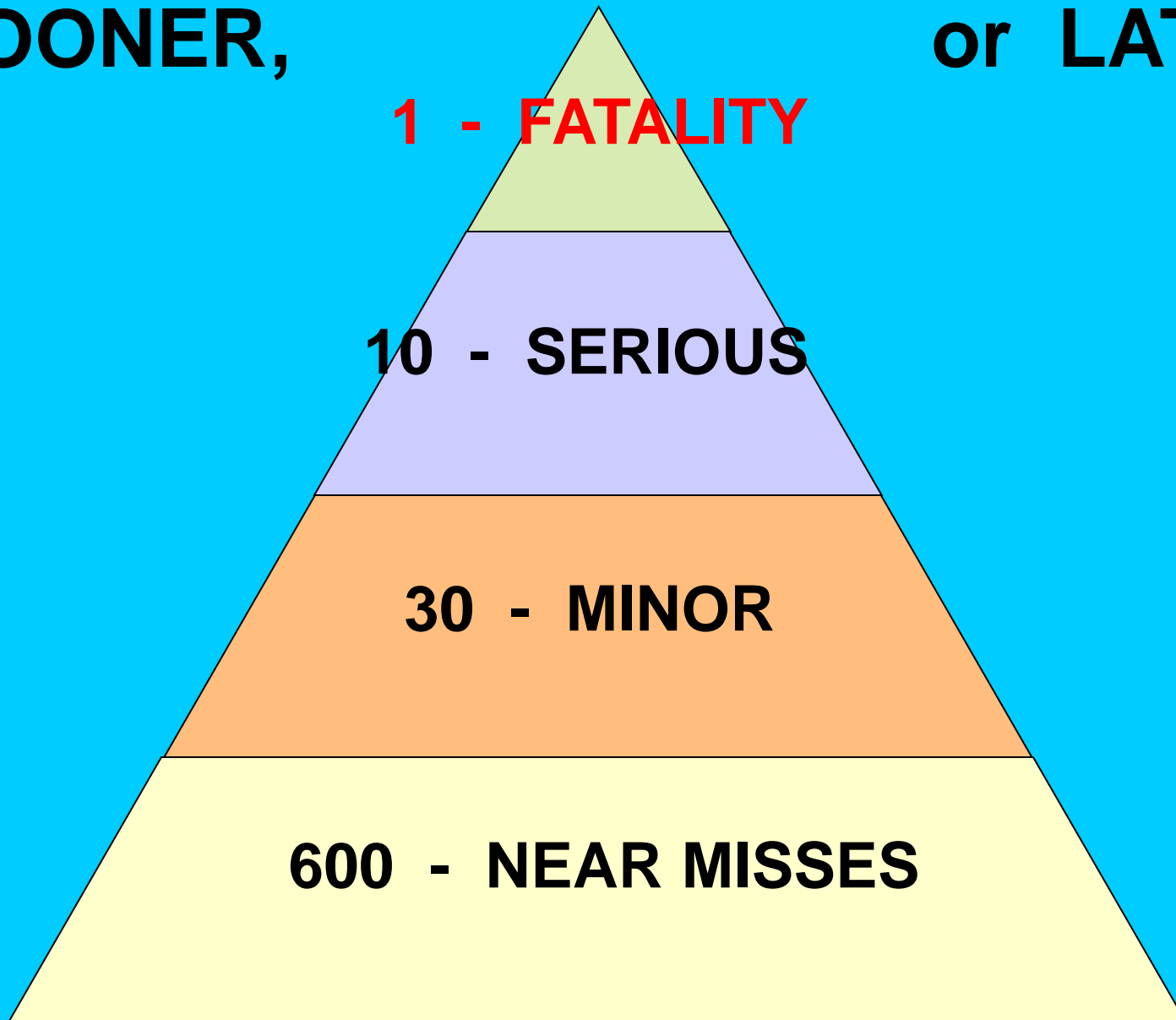






SOONER,

or LATER

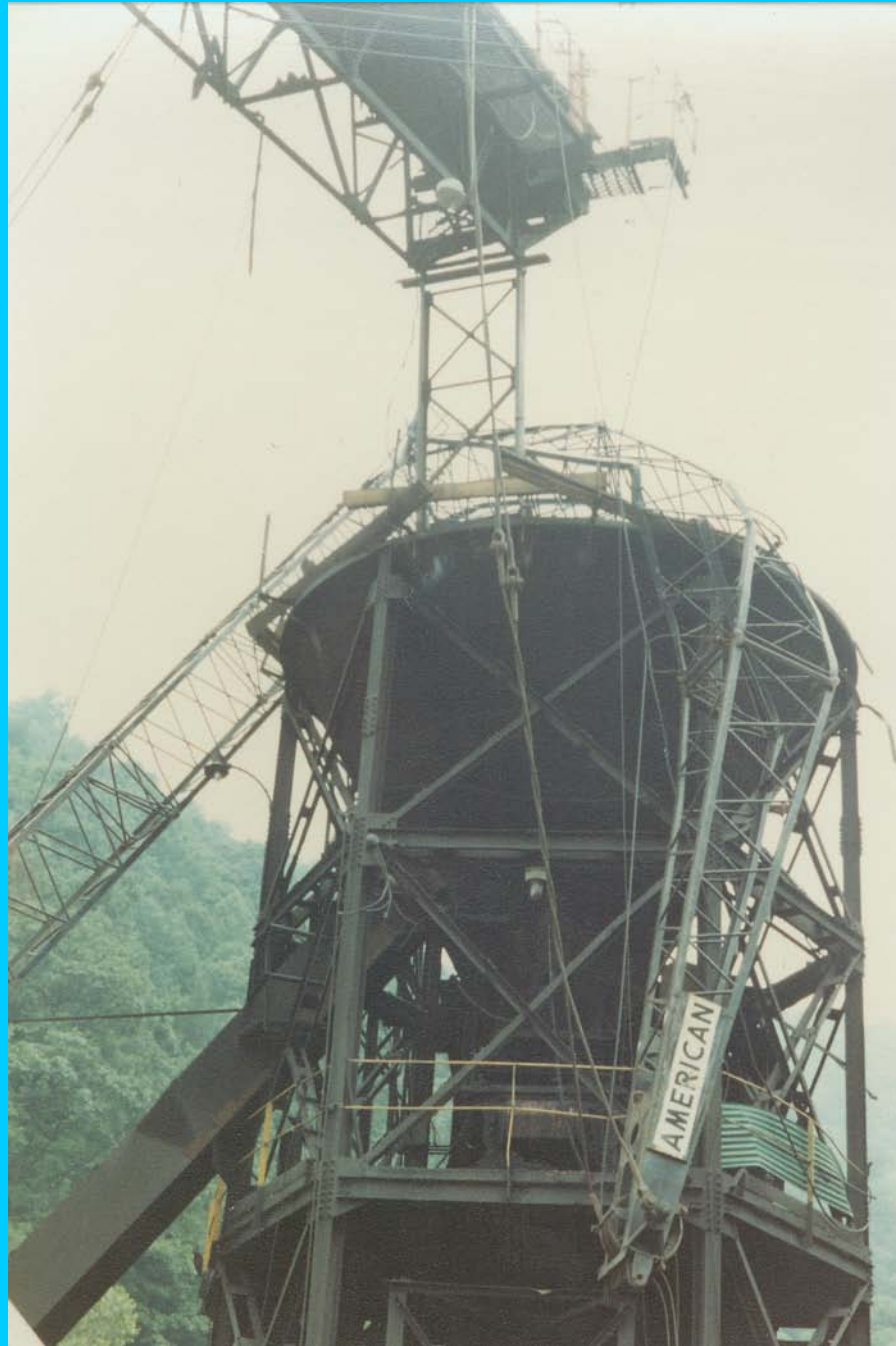


Heinrich's Triangle

Hazard Awareness Challenges

**IF NO ONE WISHES ACCIDENTS TO
HAPPEN, THEN WHO'S TO BLAME?**







Hazard Awareness Challenges

MODIFYING HUMAN BEHAVIOR

- **DEFINE CORRECT BEHAVIORS**
- **TRAIN TO THOSE BEHAVIORS**
- **PUNISHMENT or REWARD**
- **PRAY IT WORKS**

Hazard Awareness Challenges

TRANSITION TO MINE FACILITIES

- WORKER ATTITUDES
- OSHA CONTRADICTIONS
- NEW ENVIRONMENT
- UNFAMILIAR EQUIPMENT
- ASSUMATION OF KNOWLEDGE

Hazard Awareness Challenges

MINE TRANSITION TO CONSTRUCTION

- WORKER ATTITUDES
- MSHA CONTRADICTIONS
- NEW ENVIRONMENT
- UNFAMILIAR EQUIPMENT
- ASSUMATION OF KNOWLEDGE

**MSHA
IRON WORKER
ALLIANCE**

July 18, 2004



MSHA – IRON WORKER ALLIANCE

- **SHARE BEST PRACTICES and
TECHNICAL KNOWLEDGE**
- **DEVELOP & DISSEMINATE SAFETY
and HEALTH INFORMATION**
- **FOSTER A CULTURE OF
PREVENTION**

MSHA Train-the-Trainer

- **Master Instructors (2010)**
 - Jack Gavett, LU 229
 - Frank Migliaccio, LU 201
 - David Weaver, MSHA
 - Jeff Hoblick, MSHA
 - Pat Hurley, MSHA
- **20 hours of MSHA Classroom**
- **20 hours of PDC Classes**
 - Taught by College Professors

Instructor Qualifications

- **LU Instructor-Minimum 5 yrs.**
- **Recommended by LU JAC**
- **Worked at the trade-Minimum 5 yrs.**
- **OSHA 500 Instructor & First Aid/CPR**

**TO INSURE
THAT EVERYONE
RETURNS HOME
EVERYDAY
FROM WORK**

Iron Workers' Union

www.ironworkers.org

I.M.P.A.C.T.

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