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

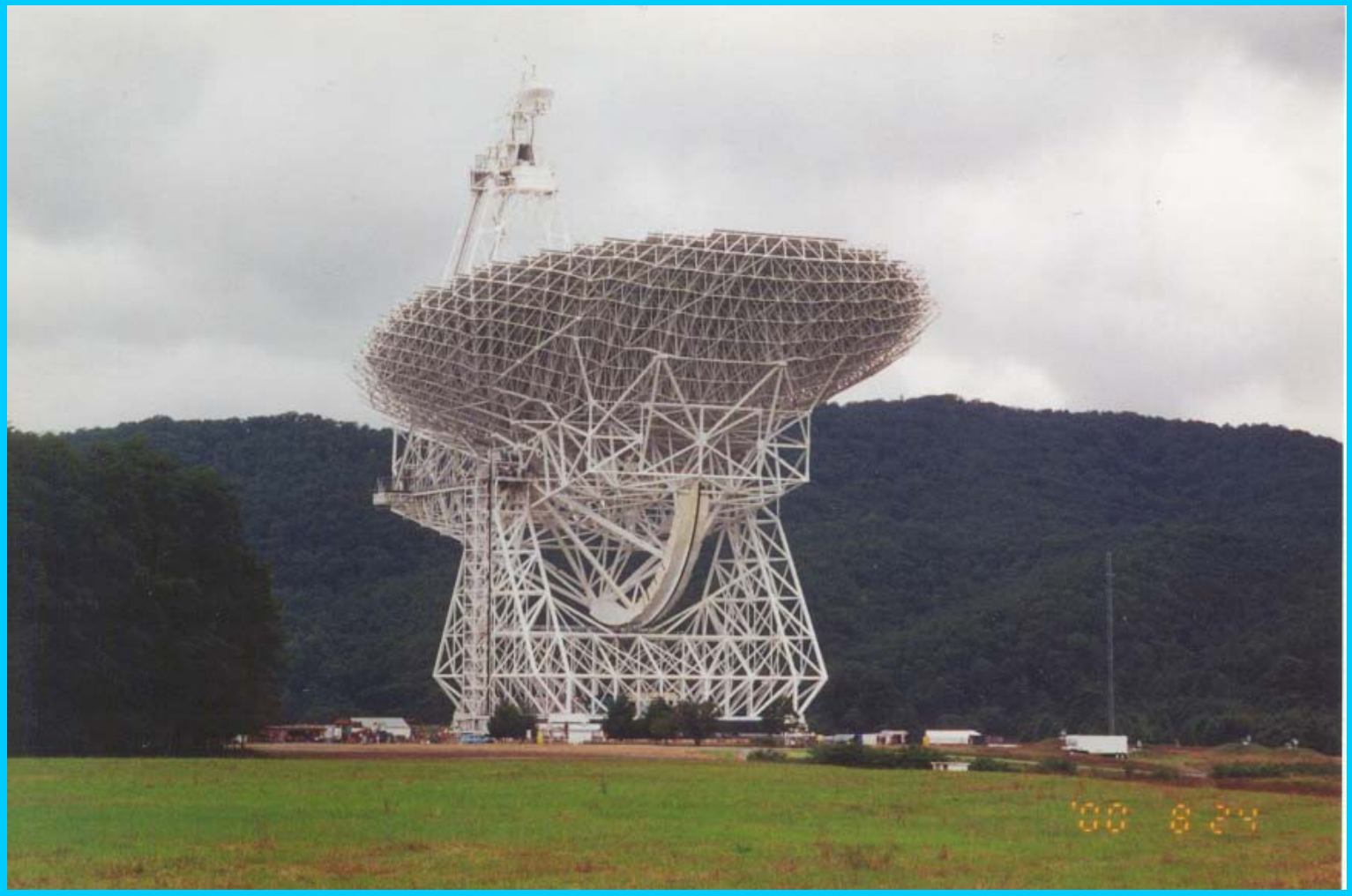
The International Association of Bridge, Structural, Ornamental & Reinforcing Iron Workers, AFL-CIO

- **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 <u>still</u> 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

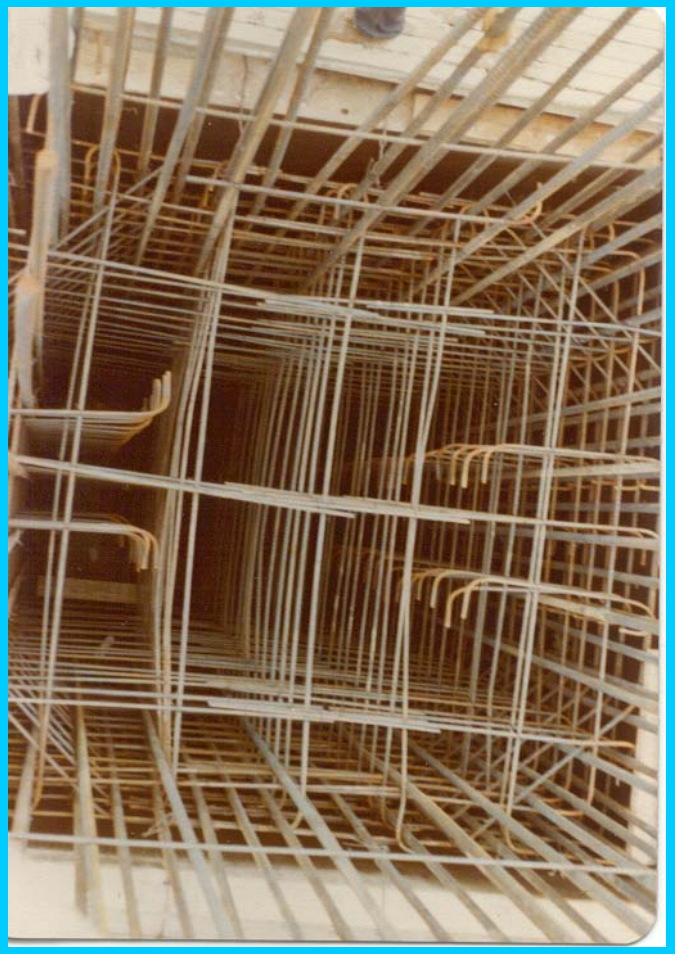


Green Bank Observatory, Green Bank, WV

Erect Structural Steel

Bluestone Bridge, Princeton, WV

Install Concrete Steel Reinforcing Bars

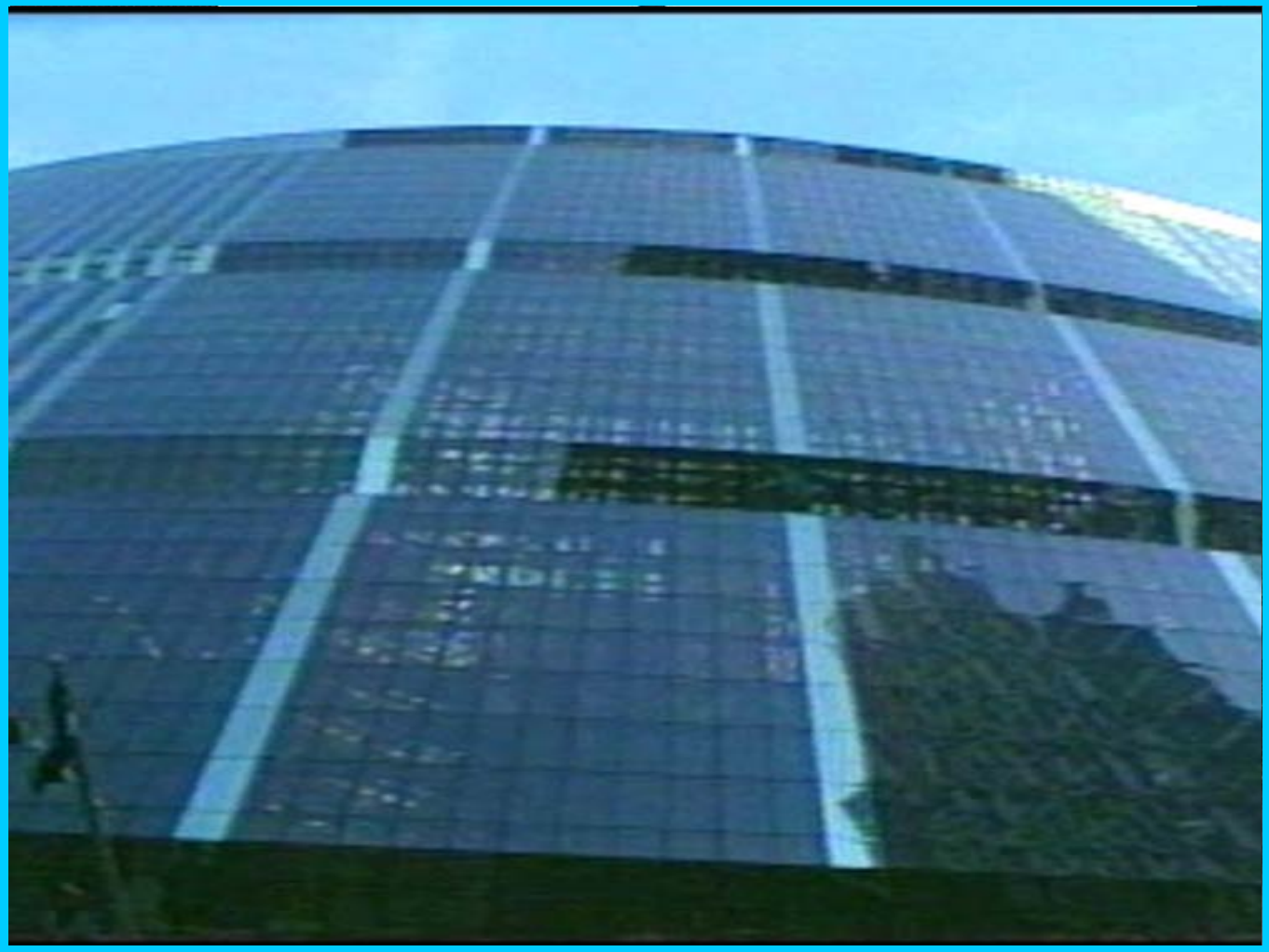


Bluestone Bridge Piers, Princeton, WV

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

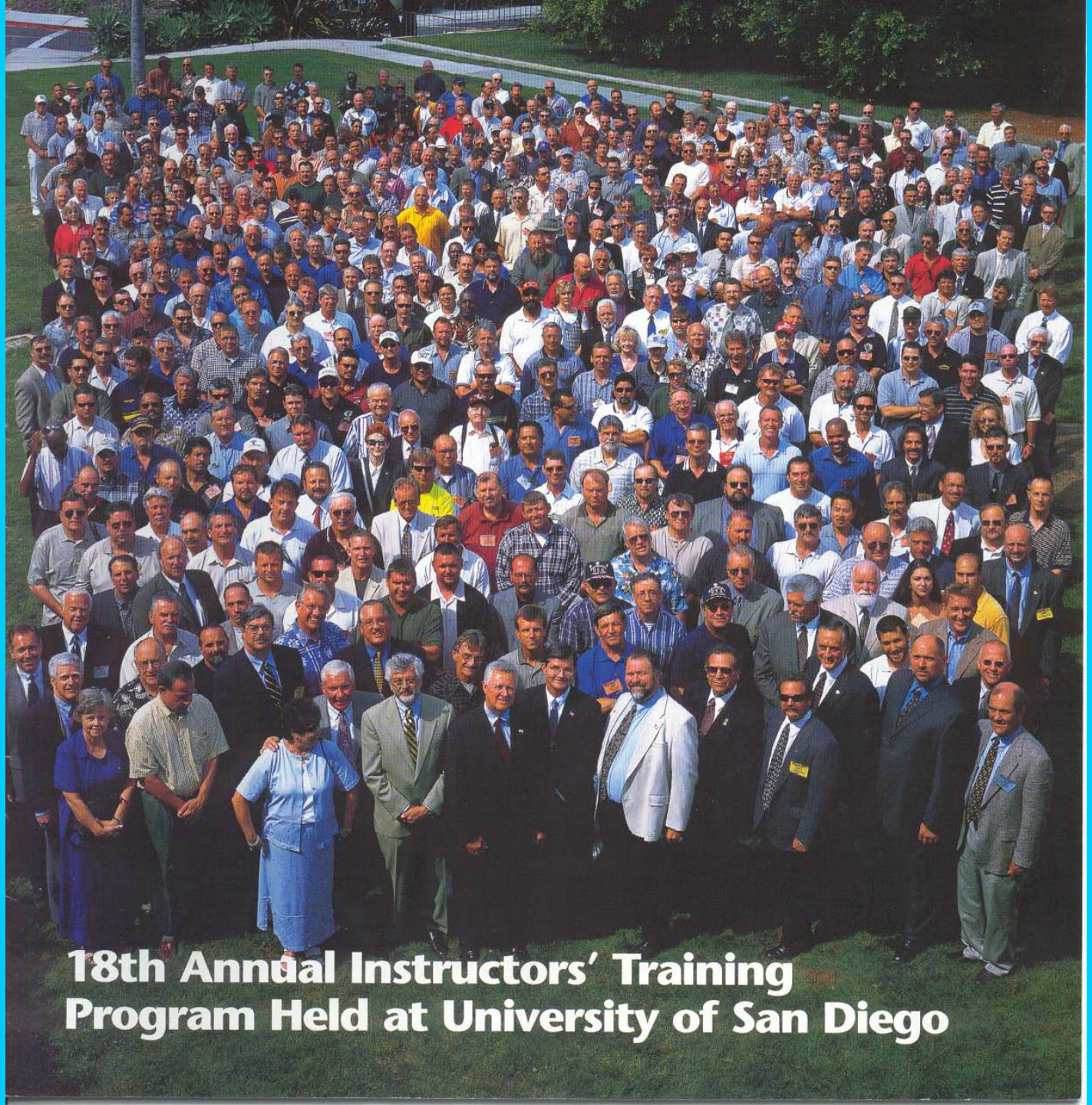
Conducts Train-the-Trainer classes at three Regional Training Centers

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

IRONWORKERS
LOCAL #5
SINCE 1901
JOINT APPRENTICESHIP & TRAINING COMMITTEE
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

EC132

JOURNEYMAN IRONWORKER

- PROFESSIONAL
- ATITUDE
- 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

MAINTENANCE

INSTALLATION

A LITTLE BIT OF EVERYTHING

APPROVED TRAINING PLAN

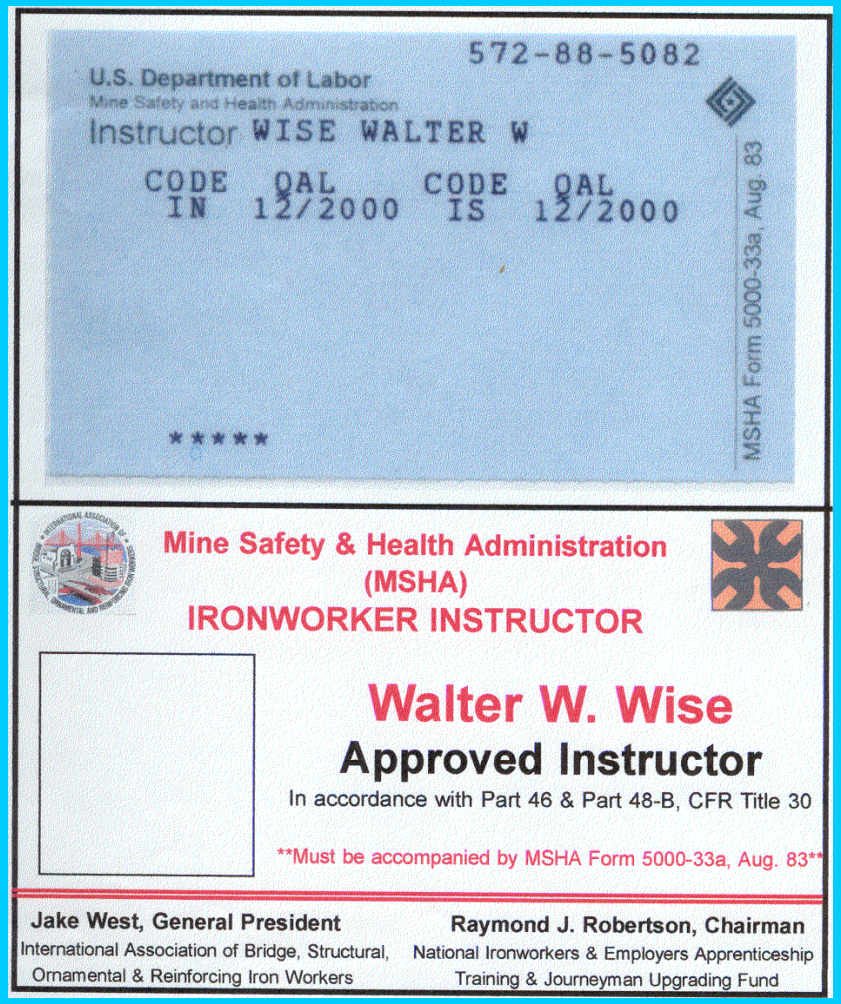
The Iron Worker 30 CFR Part 48 B Plan has been expanded to also meet the requirements of 30 CFR Part 46

83 LOCAL UNIONS

HAVE APPROVED TRAINING PLANS

APPROVED INSTRUCTOR

290 Iron Worker instructors have been certified and approved by MSHA



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 aws 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

Signature of person trained

Date

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.

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

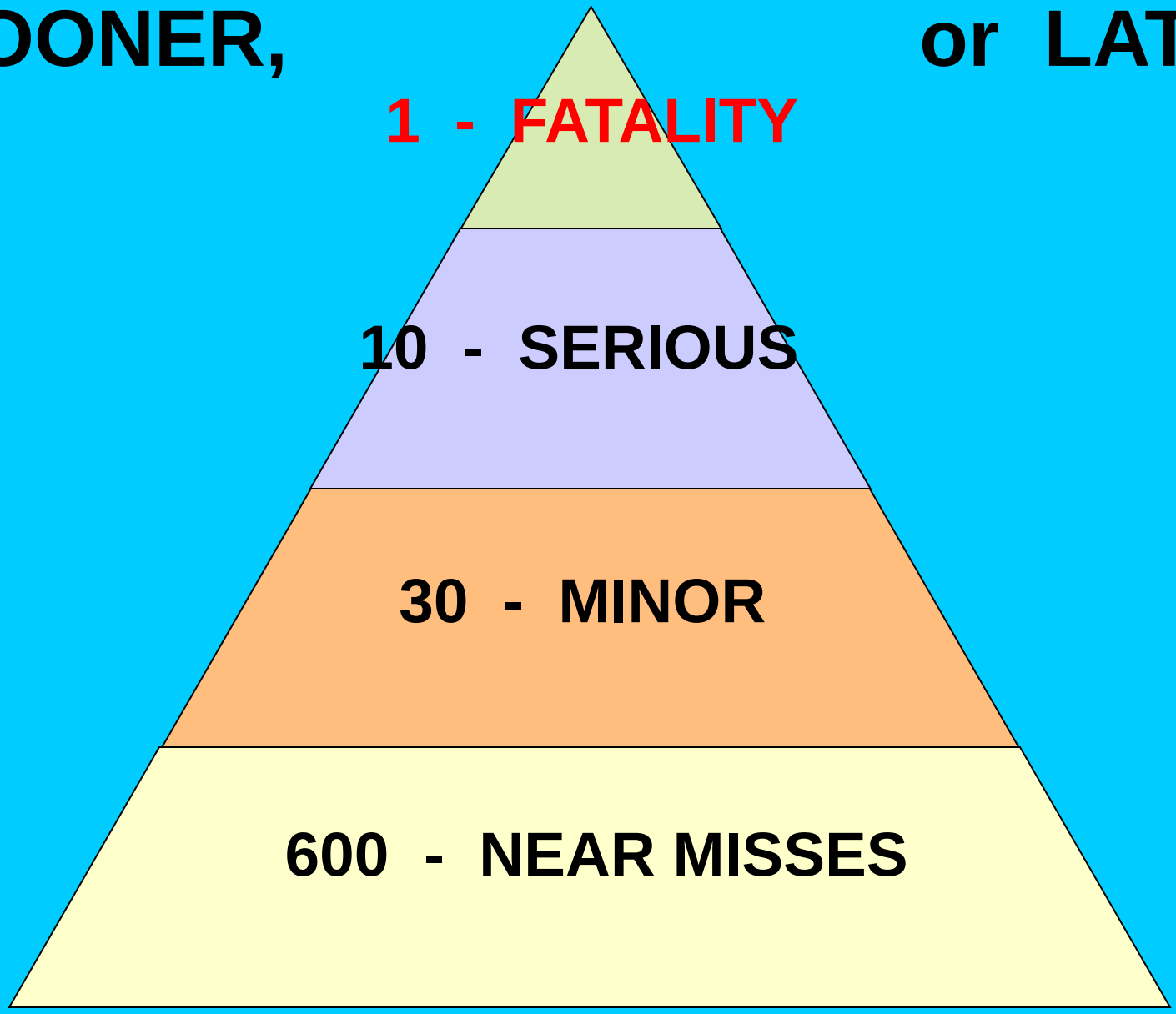
Hazard Awareness Challenges

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?**

OVERSIZE LOAD

SOONER, **or LATER**



Heinrich's Triangle

Hazard Awareness Challenges

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

AMERICAN

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

BUILDING FOR OUR FUTU

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

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