

Mark Valdez
President

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Vice President

June 2011 Edition

RANK & FILER



Local 1440

Stephanie DeLaRosa
Recording Secretary

Linda Doppe
Financial Secretary

Buzz Enea Jr.
Treasurer



Local 1440 and 2571

Safety Day

Was June 21st UPI Main Gate

Winner of our 32" TV Raffle

Bob Bedoya

Thank you to all who stopped by
and participated in the Raffle
From USW 1440 and 2571

CAA / UPI Picnic

was June 25th

Little Hills Ranch

This was a beautiful day for all UPI,
Union Membership and families
to get together and have a great time.

Clowns with magic tricks and balloons, Rock
Climbing, Basketball, Swimming, Baseball,
Ping Pong, Fishing, Trail Walking, Tattooing
with Air Brushing and the Food was very good
from BBQ Ribs, Chicken, Hot Dogs, Beans

Salads of all kinds, Dinner Rolls,

Beer, Wine, Soda, Fruit and Ice Cream.

All this fun for \$5.00 each from CAA.

***CAA Thanks all who attended
and for your support.***

TINO FULIMENI MEMORIAL SCHOLARSHIP

The fund is administered by ICD in Merrillville, IN. This year they will be giving out seven (7) \$1,000.00 dollar scholarships. They will be awarded to the children or grandchildren of steelworkers. Winners will be selected on September 28, 2011 by a drawing.

The following criteria must be met to be eligible for the scholarship drawing:

Applicant must be a high school graduate starting or returning to college in the fall semester of 2011 or the spring semester of 2012

Applicant must have maintained, in the past, at least a cumulative 3.0 grade point average and can demonstrate this with a transcript if selected.

Applicant must be the child or grandchild of a steelworker who is currently eligible to participate in the Career Development Program.

You can go to the UPI/USW ICD Website www.icdclasses.com and download the application

or call the **Union Hall @ 432-7396**

**Applications are due by
August 28, 2011**

LOCAL'S WEBSITE

www.usw1440.com

RETIREMENTS

June 2011

Ron Starkey - 22 Years of Service
Worked as a MTM in Central Build Up

Congratulations and good luck to our
Brother on his retirement.

QUOTE OF THE MONTH

*"No labor, however humble, is dishonoring."
The Talmud*

*"If I went to work in a factory the first thing I'd do is join a union."
Franklin Roosevelt*

Signed contributions are invited by Members of Local 1440. Other contributions may be accepted. All material is subject to general interest to the membership and space availability, and may not be returned. Articles, opinions expressed, and statements made are not necessarily the opinion or the policy of the Union. The union does not endorse any advertisers



Have You Been Sworn In Yet?

Our Union Meetings are held every
2nd Thursday of the month
Our Next Meeting will be on
July 14th
5:30 PM at the Union Hall
677 Cumberland Street
Pittsburg, CA

Your Wage Safety Representative's

Bill Halgas	439-6388
Bob Bedoya	430-6486
Tim Lear	439-6535
John Passur	439-6144

Grievance Committee

Buzz Enea Jr.	Chairman -Reliability
Mike Orlando	Rolling
Joe Perez	Sheet
Steve Berendsen	Tin
Stephanie De La Rosa	M&I

Contracting Out

Andy Angelo. -	Chairman
Jim Gillespie -	Assistant

WORKSAFE
safety, health, and justice for workers

About Us

Everyone has the right to work in a safe and healthy place of employment and to return home uninjured at the end of each workday. Yet, every year over 66,000 American workers are injured or die from preventable workplace hazards or exposure to toxic chemicals.

Work Safe is a California-based organization dedicated to eliminating all types of workplace hazards. We advocate for protective worker health and safety laws and effective remedies for injured workers. We watchdog government agencies to ensure they enforce these laws. We engage in campaigns in coalition with unions, workers, community, environmental and legal organizations, and scientists to eliminate hazards and toxic chemicals from the workplace.

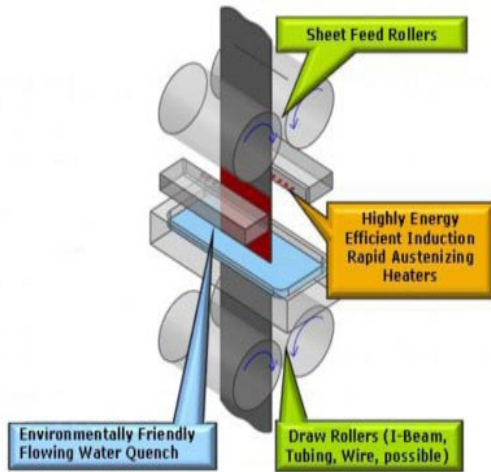
To protect the most vulnerable of California workers, we engage in impact litigation and provide legal training, technical assistance, and advocacy support to legal services programs who serve low wage and immigrant workers.

WORKSAFE

Safety, Health and Justice for Workers

New Idea in Steel: This article is from online GIZMAG & since we are in the steel rolling trade I felt this is appropriate new technological info for us.

Self-taught metallurgist creates lighter, stronger steel in a flash



The Flash Bainite steel heat-treatment process

Having been around for a few centuries, steel is what is known as a "mature technology" and the basic process of heat-treating has remained largely unchanged in the modern age. So when self-taught metallurgist Gary Cola approached engineers at Ohio State University claiming to have found a way to increase the strength of steel by seven percent, they were justifiably skeptical. However, after the engineers tested steel produced using the new method, Cola's claims were borne out and the engineers set about understanding what was happening.

Although the temperature and length of time for hardening steel will vary by industry, with some treatments taking days, most steels are heat-treated at around 900 °C (1,652 °F) for a few hours. Cola's process, which is run at his proprietary lab setup at SFP Works, LLC., in Detroit, involves steel sheets being carried by rollers through flames as hot as 1,100 degrees Celsius (2,012 °F), before they are deposited into a cooling liquid bath. Cola's entire process takes less than 10 seconds.

Cola said his steel, which he has trademarked as [Flash Bainite](#), is seven percent stronger than martensitic advanced high-strength steel. Additionally, Cola claimed his steel could be thinned and lengthened 30 percent more than martensitic steels without losing its enhanced strength.

After testing a few samples and discovering that everything that Cola said was true, Ohio State University researchers set about revealing the physics behind Cola's process.

Brian Hanhold, who was an undergraduate student at the time, and Tapasvi Lolla, who subsequently earned his master's degree working out the answer, found that although Cola's process formed a martensite microstructure inside the steel, it also formed a bainite microstructure, scattered with carbon-rich carbide compounds.

In traditional, slow heat treatments, steel's initial microstructure always dissolves into a homogeneous phase called austenite at peak temperature, explains associate professor of materials science and engineering at Ohio State and Director of the National Science Foundation (NSF) Center for Integrative Materials Joining for Energy Applications, Suresh Babu.

"We think that, because this new process is so fast with rapid heating and cooling, the carbides don't get a chance to dissolve completely within austenite at high temperature, so they remain in the steel and make this unique microstructure containing bainite, martensite and carbides," Babu said.

Lolla says this unique microstructure boosts the metal's ductility, meaning it can crumple a lot more before breaking. This, coupled with the steel's ability to be thinned and lengthened without losing its strength, make it an ideal process for the automotive industry, say the researchers. Carmakers would be able to build frames that are up to 30 percent thinner and lighter without compromising safety, with the steel also acting as an impact-absorber. Alternatively, the steel could be used to reinforce an armored vehicle without weighing it down.

Cola also says his process is also environmentally friendly as it consumes only a kilowatt of energy per kilogram of steel processed and uses water instead of oils or molten salt.

The paper appears in the current issue of the journal [Materials Science and Technology](#).

Michaels' Universe





Respirator Classroom Training

Wednesday June 29

7-9 am

Safety Training Center

To sign up call Jessica at 6189

Is this on your JQR?

Refer to 2011 Safety Training Calendar for Details.

Thinking Safety

Protecting Your Hands

To date more injuries have occurred to the fingers, hands and wrists than any other part of the body.

The use of gloves is available in various types and sizes to protect your hands Remember to wear the proper hand protection Inspect hand tools before using And watch for pinch points.

Using Fireworks Safely

Summer means picnics, barbecues, parades and fireworks displays, especially around the 4th of July. Summer also means an increase in injuries from backyard grills, bonfires and fireworks. In 2006, an estimated 9,200 people were treated in emergency rooms for fireworks-related injuries, 36 percent of whom were under 15 years old.

Children between the ages of 10 and 14 were at three times the risk of fireworks injuries than the general population. About a third of the injuries were from small firecrackers,

21 percent from bottle rockets and 20 percent from sparklers. In 2004, fireworks caused \$21 million in direct property damage.

The National Safety Council advises that the best way to safely enjoy this 4th of July is to watch a public fireworks display conducted by professionals.

However, if fireworks are legal where you live and you decide to use them, be sure to follow these important safety tips:

- Never allow young children to handle fireworks.
- Older children should use fireworks only under close adult supervision.
- Light fireworks outdoors in a clear area away from onlookers, houses and flammable materials.
- Light one device at a time; maintain a safe distance after lighting.
- Do not allow any running or horseplay while fireworks are being used.
- Never ignite devices in a container.
- Do not try to re-light or handle malfunctioning fireworks; douse and soak them with water and discard them safely.
- Keep a bucket of water nearby to fully extinguish fireworks that don't go off or in case of fire.

Happy 4th of July

Your Wage Safety Representatives

The C.A.A. Office Hours

Monday	Closed
Tuesday	Closed
Wednesday	7:00 to 11:00 am.
Thursday	12:30 to 4:30 pm.
Friday	12:30 to 4:30 pm.

ICD

Learning Advocates

Andy Angelo	Hamid Heydari
Milt Lea	Tim Lear
Jeanne Millecam	Bill Swenson
Bill Soltis	David Hall
Fernando Blanc	



FREE SPEECH ZONE

UNITED STEELWORKERS
USW

Want to get published in the USW's Free Speech Zone?

WRITE A BRIEF BLOG FOR THE RANK AND FILER (250 WORDS OR FEWER) AND SEND IT TO USW LOCAL 1440 PITTSBURG, CA. 94565
financial_secretary@usw1440.com
677 Cumberland Street
Pittsburg, CA. 94565