



ON THE HOOK!

CRANE INSPECTION & CERTIFICATION BUREAU

Spring 2011

INSIDE THIS NEWSLETTER:

| | |
|----------------------------------|---|
| Signal Person Quiz | 2 |
| CICB announces Delaware Programs | 2 |
| CICB Attends Crane Auction | 2 |
| Instructor Profiles | 3 |
| CICB's Expands Rigging | 4 |
| Training Schedule | 5 |

Nuclear Power Industry Chooses CICB to Present a Mobile Crane Workshop for Annual Crane Conference

Electric Power and Research Institute (EPRI), the policy and procedure arm for the nuclear power industry, is hosting the Crane Safety Conference in Chicago this June. CICB is pleased to announce it has been selected to provide a Mobile Crane Accident prevention workshop to Hoisting and Rigging Managers of nuclear power plants from around the United States. One topic CICB will be discussing is the most common errors operators and riggers make that lead to crane accidents. Prior to the workshop, the Crane User Group will tour Whiting Crane, a leading manufacturer of overhead cranes to the nuclear, steel and recycling industries.



Electric Power

CICB offers Noise Cancelling Headsets to Improve Safety In Crane Operations



Hear Speech Stay Protected



CICB Offers Training In Spanish

Led by instructor Angelo Alverio (pictured on the right), CICB has been providing a variety of services to help its customers with its Spanish speaking workforce. Some of the services include, training, rigging and inspections.



Larry Kime Discusses New OSHA Crane Standard at National Association of Tower Erector Conference

Due to the continued high demand to learn more about the changes in the new OSHA crane standard, Larry Kime provided an overview to contractors and project owners at the National Tower Erector's Safety Conference in Oklahoma City in February. Topics of presentation included:

- Operator, Rigger, Signal Person Qualification and Certification
- Assembly / Disassembly of Cranes
- Power Lines
- Inspection
- Interpretations
- Requirements



CICB's Mark Clark and Larry Kime surmised that attendees were very interested to hear about their responsibility to comply with the OSHA crane standard. Of particular interest was the role of a signal person. As a whole, attendees were surprised to learn that the signal person is now required to have, under the new law, a basic understanding of equipment operation and limitations, which include the crane dynamics involved in swinging and stopping loads, as well as boom deflection from hoisting loads. Signal Persons also have to be qualified by either an oral or written test, and a practical test.

CICB's staff feels a sense of educational duty to all managers who may not know the full ramifications of the new law, and how it can affect their business.

Test Your Knowledge! Signal Person

1. Why is it important to remain visible to the crane operator while the crane is moving the load?
 - a. Evaluate crane stability
 - b. To ensure positive communication with the crane operator
 - c. Ensure the tagline attendant is viewed
 - d. Keep in touch with the rigger
2. When a load is moving, what will most likely change?
 - a. Operator's view of the load
 - b. Signalperson's visibility to the operator
 - c. Crane hoist rope capacity
 - d. Tagline personnel
3. ASME B30.5 hand signal: Arm extended, fingers closed, thumb pointing downward.
 - a. Lower load
 - b. Lower load boom up
 - c. Lower boom
 - d. Lower the boom and raise load
4. ASME B30.5 hand signal: With arm extended, thumb pointing up, flex fingers in and out as long as load movement is desired.
 - a. Lower load
 - b. Lower the boom and raise load
 - c. Extend boom
 - d. Raise the boom and lower the load
5. ASME B30.5 hand signal: Arm extended, palm down, move arm back and forth horizontally.
 - a. Emergency stop
 - b. Swing
 - c. Retract boom
 - d. Stop
6. ASME B30.5 hand signal: Arm extended forward, hand open and slightly raised, make pushing motion in direction of travel.
 - a. Swing
 - b. Travel
 - c. Stop
 - d. Emergency stop

**Be Sure to
Check Your
Answers on the
"Tips & Events"
page at
www.cicb.com**

CICB Attends Crane Auction In Orlando, FL

In February, CICB's Dan Jenkins (left) and John Wenderlein (right) attended the Ritchie Bros. Crane Auction outside of Orlando, FL. John and Dan had the opportunity to chat up the world of cranes with customers and prospects. One of the hot topics of conversation was changes in crane



inspections required by the new OSHA standard. Another interesting aspects of the auction was the high percentage of buyers from Mexico and Central America. CICB offers both training and inspection services in Spanish and travels to South America to provide services.

CICB Partners with Delaware Safety Council to Offer Crane, Rigger and Inspector Programs

Beginning in June, CICB will be conducting a series of training programs at the Delaware Safety Council located in Wilmington. Programs and dates include:

- **Mobile Cranes and Rigging Inspector**
June 13-15
- **Overhead Crane / Hoist Inspector and Rigging Inspector**
June 15-17
- **Basic Rigging and Signal Person**
June 20-21
- **Basic Rigging and Signal Person Train the Trainer**
June 21-24

The Delaware Safety Council is a member of the American Association of Safety Councils.

For more information, please call 800-327-1386

CICB Instructor Interviews



Jerry Longtin

On top of high rise in downtown Chicago inspecting a Tower Crane. John Hancock Center in background.



John Cole

John is CICB's longest serving employee and a heck of a cook!

On the Hook: What were the first mobile cranes you ever operated?

John: 25 Ton Hydraulic Military Issued

Jerry: Lattice Boom Lima, P&H and Lorain

On the Hook: What are the types cranes you operated early in to develop your skills an proficiency on?

John: Northwest Friction Crane used on bridge building crew

Jerry: Lattice Boom Lorain

On the Hook: What is your favorite crane of all time?

John: Anything Friction

Jerry: Manitowoc 3900 and 4000 Crawler

On the Hook: What do you like about older cranes that are not on or part of the newer cranes?

John: Built stronger, more heavy iron.

Jerry: Torque Converters, Clutches and Brakes

On the Hook: What do you like about the newer cranes today?

John: Manufacturers are paying more attention to the operator. An example would be better cabs.

Jerry: Safety Devices including Load Moment Indicators and Two Block devices.

On the Hook: What are some poor operating techniques among crane operators that you have to correct often?

John: Operators who rely too much on electronics

Jerry: Operators fail to have adequate lift plans.

On the Hook: What advice would you give a person prepping for NCCCO written exam?

John: Take a pre test before you come, in order to assess your strengths and weakness.

Jerry: Work on understanding load charts and math skills.

CICB Continues To Expand It's Portable Rigging and NCCCO Tools

Last issue CICB proudly displayed its mobile crane capabilities, which includes CCO obstacle course, sling selection and rugged containers that can be shipped anywhere in the world. This issue we are proud to show off our hands - on classroom rigging tripod. Our students really enjoy practicing proper rigging loads and selecting rigging hardware and slings prior to actually rigging loads for in the field. Additionally, our customers enjoy all the benefits of the training and testing gear from CICB's Houston and Orlando locations that can now be used at their location, thus saving them time and money.



CICB Instructor Dave Sumner proudly displaying our portable rigging tripod. Tripod comes with the following to help students learn proper rigging techniques:

- Spreader Beam
- Shackles & Eyebolts
- Hooks
- Master Link
- Wire Rope and Synthetic Slings
- Synthetic Slings

CICB Offers the following Rigging and Signal Person courses: All Programs are also available on site.

- Qualified Signal Person
- Basic Rigger
- NCCCO Rigging and Signal Person Preparatory Training
- Rigging Hardware and Sling Inspector
- Advanced Rigger
- "Train the Trainer" for Basic Rigger & Signal Person

See Page 5 for a list of scheduled courses

CICB's customized training and testing can include all or portions of the following:

- 2 Leg hitch with double wrap basket sling
- 2 Leg double wrap choker hitch
- Two legged chain sling with double wrap choker hitch
- Two eye & eye web sling
- Two round sling choker hitches
- Two legged wire rope bridle
- Single vertical hitch
- Two legged chain sling with double wrap basket hitch



CICB's sales and marketing staff recently completed a training session to learn more about rigging and the capabilities of the Tri Pod Rigging Apparatus. Mark Clark-R and Dan Jenkins-L (above) and Billy Cook-L and John Wenderlein-R (below) tackle rigging challenges including hitches and gear selection.



CICB Scheduled Training Courses

| Program | Date | Location | Program | Date | Location | | |
|---|---|---------------|--|--|------------------------------------|---------------|-------------|
| NCCCO Preparatory | April 11-13 | Orlando, FL | Basic Rigging & Signal Person | April 25-26 | Orlando, FL | | |
| | May 9-12 | Houston, TX | | May 23-24 | Houston, TX | | |
| | May 16-18 | Orlando, FL | | July 11-12 | Orlando, FL | | |
| | June 20-23 | Houston, TX | | April 25 | Orlando, FL | | |
| NCCCO Written Exam | April 14 | Orlando, FL | Forklift Train the Trainer | April 25 | Atlanta, GA | | |
| | May 13 | Houston, TX | | June 2 | Houston, TX | | |
| | May 19 | Orlando, FL | | June 6 | Orlando, FL | | |
| | June 24 | Houston, TX | | June 13 | Cincy, OH | | |
| NCCCO Practical Exam | April 11-15 | Orlando, FL | Overhead Crane/Hoist Operator Train the Trainer | June 20 | Denver, CO | | |
| | May 9-13 | Houston, TX | | April 13-15 | Orlando, FL | | |
| | May 16-20 | Orlando, FL | | April 27-29 | Houston, TX | | |
| | June 20-24 | Houston, TX | | April 27-29 | Atlanta, GA | | |
| NCCCO Signal Pers. & Rigger L1 | June 8-10 | Houston, TX | Boom Truck Train the Trainer | May 18-20 | Chicago, IL | | |
| Boom Truck Operator | April 18-19 | Houston, TX | | June 8-10 | Orlando, FL | | |
| | May 23-24 | Orlando, FL | | May 25-27 | Orlando, FL | | |
| Mobile Crane Operator | Ap25 - May 6 | Houston, TX | | June 8-10 | Houston, TX | | |
| | May 9-13 | Orlando, FL | Aerial Lift Train the Trainer | April 12 | Orlando, FL | | |
| | June 13-24 | Orlando, FL | | April 26 | Atlanta, GA | | |
| | June 13-17 | Houston, TX | | April 26 | Houston, TX | | |
| Mobile Crane & Rigging Inspector | April 4-6 | Orlando, FL | | May 17 | Chicago, IL | | |
| | April 11-13 | Nashville, TN | June 3 | Houston, TX | | | |
| | April 11-13 | Houston, TX | Mobile Crane Train the Trainer | April 25-29 | Orlando, FL | | |
| | May 2-4 | Atlanta, GA | | April 11-13 | Houston, TX | | |
| | May 9-11 | Chicago, IL | | May 2-4 | Atlanta, GA | | |
| | May 16-18 | Houston, TX | | May 9-11 | Chicago, IL | | |
| | May 23-25 | Orlando, FL | | May 16-18 | Houston, TX | | |
| | Overhead Crane/Hoist & Rigging Inspector | April 6-8 | | Orlando, FL | May 23-25 | Orlando, FL | |
| April 13-15 | | Nashville, TN | | Basic Rigging & Signal Person | April 27-29 | Orlando, FL | |
| April 13-15 | | Houston, TX | | | May 25-27 | Charlotte, NC | |
| May 4-6 | | Atlanta, GA | June 8-10 | | Orlando, FL | | |
| May 11-13 | | Chicago, IL | July 13-15 | | Orlando, FL | | |
| May 18-20 | | Houston, TX | API Rigger Certification Program | | May 2-3 | Orlando, FL | |
| May 25-27 | | Orlando, FL | | | API Crane Op. Cert. Program | May 4-6 | Orlando, FL |

For a full schedule, please visit www.cicb.com, email info@cicb.com or call 800-327-1386