

The Professional Rigger

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TECHNICAL NEWS

CRANE SIGNALS

Maintaining a good line of communication is vital for any crane and rigging operation. Here are numerous signals which can be used during mobile crane type activities. See if you can match the proper signal command with the appropriate illustration.

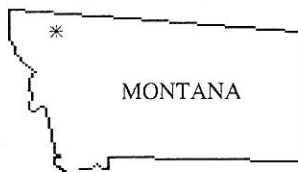
- | | | |
|----------------------------|----------------------------|-------------------|
| A. Main Hoist | H. Raise Boom | N. Lower Load |
| B. Auxiliary Hoist | I. Raise Boom & Lower Load | Slowly |
| C. Travel | J. Hoist Load | O. Swing Boom |
| D. Stop | Slowly | P. Lower Boom |
| E. Retract Boom | K. Swing Boom | Q. Extend Boom |
| 2 hands | Slowly | 2 hands |
| F. Dog Everything | L. Emergency Stop | R. Lower Load |
| G. Lower Boom & Raise Load | M. Hoist Load | S. Travel 1 track |

<ul style="list-style-type: none"> • Clear • Crisp • Concise 	<p>1. _____</p>	<p>2. _____</p>	<p>3. _____</p>	<p>4. _____</p>
<p>5. _____</p>	<p>6. _____</p>	<p>7. _____</p>	<p>8. _____</p>	<p>9. _____</p>
<p>10. _____</p>	<p>11. _____</p>	<p>12. _____</p>	<p>13. _____</p>	<p>14. _____</p>
<p>15. _____</p>	<p>16. _____</p>	<p>17. _____</p>	<p>18. _____</p>	<p>19. _____</p>

CLIENT NEWS

GLACIER NATIONAL PARK

Mr. Del Zimmerli, Chief of Maintenance for Glacier National Park, contracted WRRC to present a two-day Comprehensive Rigging Course on August 13 & 14, 1991. WRRC's Russ Donaldson conducted the training with 27 participants, covering proper rigging techniques and load control methods. ♦



EXXON COMPANY U.S.A.

Exxon's facility in Green River, WY was the location for a two-day Comprehensive Rigging Program in mid-August. Mr. Craig Herman contracted WRRC to provide the training which consisted of eight hours classroom instruction including extensive written testing followed by a hands-on operator evaluation. Twelve employees participated in the program presented by WRRC's Bill Wall. ♦

IDAHO POWER COMPANY

Mr. Leon Swensen, Line Training Instructor for Idaho Power Company, contracted WRRC to present a two-day Comprehensive Rigging Course in early September. The program was presented to transmission, maintenance, and shop crews by WRRC's President Mike Parnell. The course included classroom instruction of proper rigging techniques and load control methods followed by a series of field rigging exercises. ♦

BOISE CASCADE

Mr. Richard LaLonde, Human Resource Coordinator/Training Director for Boise Cascade, asked WRRC to provide rigging training at their West Tacoma Mill in Steilacoom, WA. On June 20 & 21, 1991, WRRC Instructor Mike Riggs conducted a series of four 4-hour sessions which covered rigging gear inspection and safe and efficient rigging techniques for 40 participants. ♦

CONSUMER'S POWER COMPANY

Erie, Michigan will be the location for a two-day Comprehensive Rigging Course on October 16 & 17, 1991. Mr. Tim Aufdencamp, Maintenance Engineer for Consumer's Power Company has asked WRRC to provide rigging training for 17 maintenance personnel. Eight hours of extensive classroom instruction followed by hands-on field rigging activities will be completed. ♦

ANTELOPE COAL COMPANY

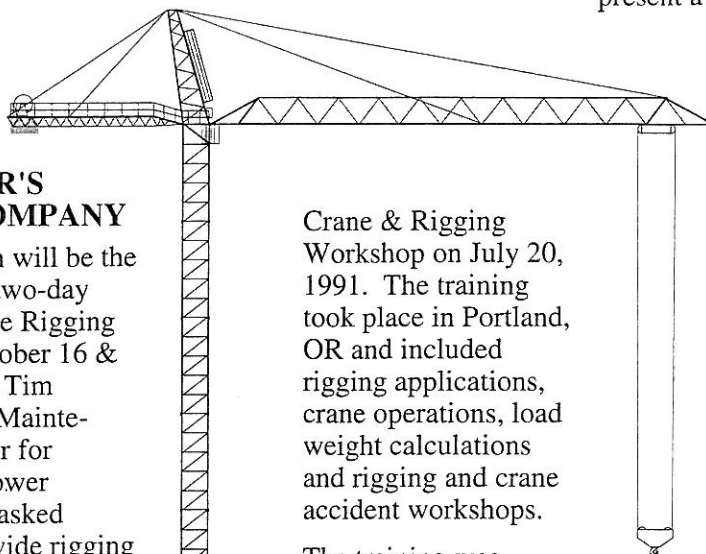
Douglas, WY was the location for two 2-day Comprehensive Rigging Courses in July. Mr. John Olson, of Antelope Coal's Maintenance Training Department, contracted WRRC to conduct the programs for 21 participants.

WRRC's Bill Wall presented the training with each program consist-

ing of eight hours classroom activity followed by an extensive series of field rigging exercises with the participants implementing the items covered during the classroom instruction. ♦

HOFFMAN CONSTRUCTION CO.

Mr. Bill Hesselbacher, Safety Manager for Hoffman Construction Company, contracted WRRC to present a



Crane & Rigging Workshop on July 20, 1991. The training took place in Portland, OR and included rigging applications, crane operations, load weight calculations and rigging and crane accident workshops.

The training was preceded and followed by a number of on-site rigging consultation days spent identifying the most difficult lifting applications at various Hoffman construction sites. WRRC staff then offered recommendations as to improving the rigging techniques which would maximize the use of the rigging gear and maintain stability of the load during its movement. ♦

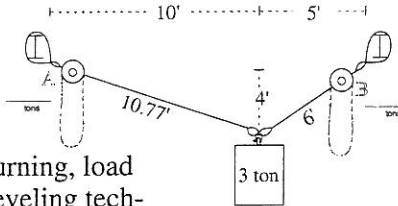
The Professional Rigger is a quarterly publication of Wire Rope & Rigging Consultants, Inc. It is distributed to those whose occupations require the safe and effective use of lifting and rigging equipment. For more information contact: Editor, The Professional Rigger, PO Box 728, Vancouver, WA 98666 (206) 256-5730.

WRRC NEWS

MASTER RIGGER COURSE

A recent addition to the WRRC selection of training services is the Master Rigger Course. It is the "next generation" of instructional rigging activities which can challenge even the most seasoned rigger.

It is generally a prerequisite, that participants complete WRRC's Comprehensive Rigging Course prior to attempting the Master Rigger Program. The activities include drifting loads using two hoists, jacking & rolling, picking &



turning, load leveling techniques, inclined planes, and more. The participants must pre-determine loading within the rigging system before making the lift or movement.

The use of dynamometers during the hands-on sessions helps to reinforce or correct the estimation method used to calculate the actual loading being introduced at various points in the rigging system. ♦

RIGGER'S REFERENCE CARD

Since the introduction of the Rigger's Reference Card two years ago, over 30,000 cards have been purchased by clients in North and South America, Europe, parts of Asia and Africa.

This super rigging tool is available in two versions;

General & Electric Utility and can be customized with a client's logo and/or special data blocks placed on individual panels. When folded, the card measures 2-1/8" x 3-3/8" and is only 1/32" thick (credit card dimensions) and



contains five sections on each side. Made of KIMDURA synthetic heavy book weight paper stock, printed with water proof ink and laminated, the RRC resists water, tearing, stains and will withstand folding and unfolding hundreds of times.

The RRC order comes complete with a free quiz and answer key which can be used when the card is handed out to employees at a safety or training session. Call WRRC today to get quantity prices on the Rigger's Reference Card. ♦

CERTIFIED INSPECTOR PROGRAM

Fall 1991

WRRC's fall Certified Inspector Program will take place October 22-24, 1991 in Vancouver, WA.

The course addresses wire rope, wire rope slings, synthetic web slings, alloy chain slings and rigging gear/testing. The instructional format is based on OSHA CFR 29 1910, ANSI B30 series, ASTM A-391, ASTM E-4 and RR-W-410D. Participants are required to pass written and hands-on field inspection tests to complete each course section.

Call WRRC today to register and reserve your seat! (206) 256-5730

Future CIP Courses

April 7-9, 1992 Vancouver, WA
Sept. 22-24, 1992 Vancouver, WA

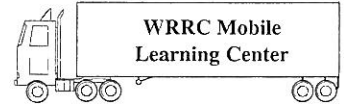
RIGGING CONFERENCE 1992

WRRC cordially invites you to register for Rigging Conference 1992. RC '92 will be held on March 10, 11 & 12, 1992 in Norwalk, CA (Los Angeles).

CABLECO (a major supplier of rigging gear and services) will host

the conference during the 3-day event in California. The workshops will address rigging applications, customized rigging gear, rigging gear inspection, load weight estimation, wire rope applications, new material handling devices, rigging and crane accident case studies, and crane load charts.

WRRC's Mobile Learning Center will be used during the Hands-On Workshop.



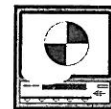
Material handling equipment manufacturers will be demonstrating their rigging gear to show proper vs. improper applications and simple maintenance.

Everyone will get to participate in the Rigging Rodeo. The event will include team competition in rigging gear inspections, case study accident investigations, and load moving using the Hands-On Learning Center.



Register early as seating is limited to the first 160 registrants due to the unique hands-on session. Please see the enclosed flyer for complete information on the conference.

A free video to preview the activities of RC'92 is available upon request!



CRANE SIGNALS SOLUTIONS (from pg. 1)

1. O	8. H	14. N
2. G	9. E	15. L
3. D	10. A	16. P
4. M	11. Q	17. R
5. C	12. K	18. F
6. J	13. B	19. I
7. S		

OREGON STEEL MILLS

Mr. Ray Coon asked CET to conduct five 1-day Primary & Advanced Overhead Crane Operator Training Programs for OSM's Fontana, CA location. The sessions were presented during the week of August 26th. Forty OSM operators participated in the program conducted by CET's Harley Gist. Four hours of classroom instruction, including four written exams, followed by individual hands-on evaluations of each operator were performed in accordance with state and federal requirements. ♦

CET GOES TO NIGERIA

Certa Crane International contracted with CET to perform crane operator training for Chevron/GOCON in Escravos, Nigeria. Four 28-day programs were presented by CET staff to Chevron personnel. Pedestal and Mobile Crane Operator Training was provided through classroom and hands-on instructional sessions. Rigging and C&R Management courses were also conducted. ♦

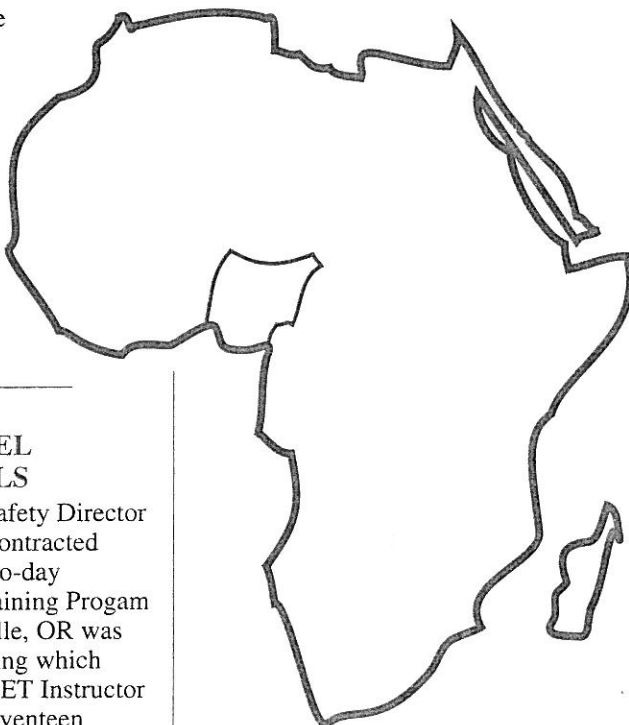
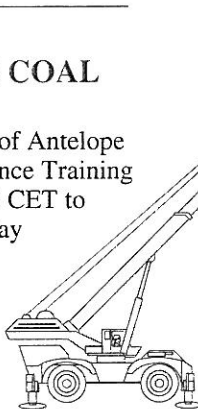
CASCADE STEEL ROLLING MILLS

Mr. Al Arguedas, Safety Director for Cascade Steel, contracted CET to present a two-day Overhead Crane Training Program in June. McMinnville, OR was the site for the training which was conducted by CET Instructor Warren Mangel. Seventeen operators participated in the

program which included classroom instruction with written exams, and a hands-on operator evaluation was completed lifting live loads according to an Operator's Checklist. ♦

ANTELOPE COAL COMPANY

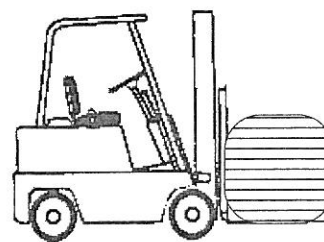
Mr. John Olson of Antelope Coal's Maintenance Training Dept. contracted CET to conduct two 5-day Mobile Crane Operator Training Programs. The courses were presented during the weeks of August 5 and August 19, 1991 in Douglas, WY. Attended by 16 crane operators and conducted by CET's Russ Donaldson, the course consisted of load chart workshops on the P&H 90 Ton TM and Linkbelt 25 Ton RT cranes, along with written operator exams and a series of live lifts. ♦



WEYERHAEUSER PAPER COMPANY

Mr. Jerry Reed, Maintenance Education Coordinator for Weyerhaeuser in Springfield, OR contracted CET to perform Mobile Crane Pre-Qualification Exams for three new operators. A series of written examinations and hands-on evaluations of existing skills were performed. All three operators successfully

completed the pre-qualification exams conducted on August 22, 1991 and will be participating in five-days of Mobile Crane Operator Training provided by WRRRC in the near future. ♦



E G & G IDAHO, INC.

On July 25, 1991 CET Instructor, Devon Beasley, conducted a one-day Forklift Operator Training Program for eight EG&G operators. The program was coordinated by EG&G's Ms. Julie Tullis and consisted of four hours of classroom instruction followed by four hours hands-on operator evaluations. ♦