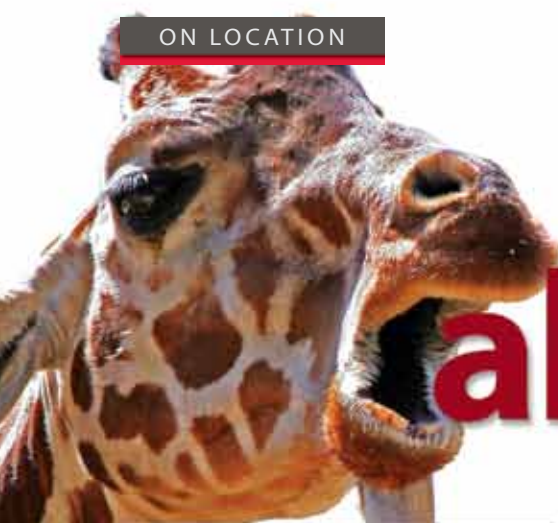




Animals say ahhhhhhhhhhhhhhhhh



Rice Lake pit scale in the giraffe enclosure at Detroit Zoo. Chardo supervises.

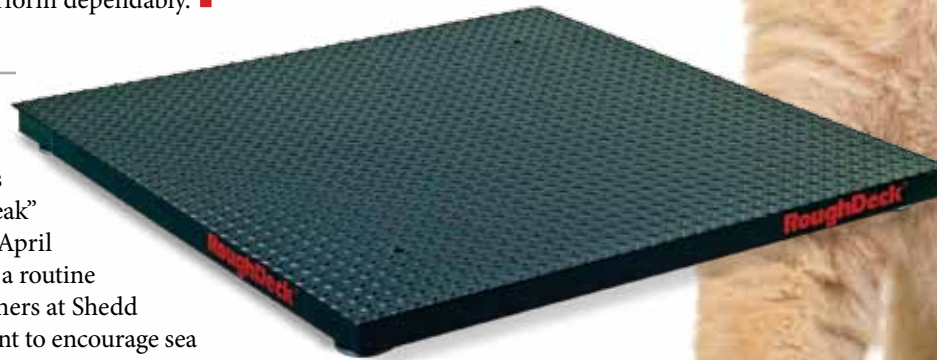
Mike Bennett, NuWeigh Scale, Davisburg, MI, sent us the picture he shot while installing a 5 ft x 7 ft RoughDeck QC to weigh giraffes at the Detroit Zoo. The scale deck was coated with Slipknot® for safer footing. The pit was dug in a long enclosed lane that the giraffes walk through. Patricia Mills Janeway, zoo communications director, tells us, “Chardo was most recently weighed on September 28; she tipped the scale at 1,549 pounds.

“She was born July 11, 1985. Chardo is listed as a reticulated giraffe, although the studbook keeper has told us that genetic testing of the U.S. captive population shows the reticulated and Rothschild’s subspecies to be all mixed up and not really distinguishable.” ■

ZOO ANIMAL HANDLERS AND VETERINARIANS CANNOT PEER DOWN A GIRAFFE’S THROAT. Obtaining weight data and records on a routine basis with the least amount of stress to the animal is a science in itself. Gradual or sudden fluctuation in body weight in zoo and aquarium animals is an early quantifiable indication for closer examination and treatment or change in diet and exercise.

Rice Lake’s RoughDeck® is the scale distributors specify because they know it will stand up to animal use and perform dependably. ■

Shedd Aquarium senior marine mammal trainer Kelly Schaaf works with Ty, a California sea lion, to “speak” and pause on a Rice Lake scale so April Keller can record his weight during a routine health exam. Marine mammal trainers at Shedd Aquarium use positive reinforcement to encourage sea lions and many other animals to participate in their own health care assessment. ■



Ty, a California sea lion, is weighed on a Rice Lake RoughDeck® floor scale.

To access *Our Day at the Zoo*, go to <http://www.ricelake.com/dayat zoo>.



Kanawha’s Big Iron

Kanawha Scales & Systems Inc., Poca, WV, was awarded a multimillion dollar contract for a fully automated iron ore batch weigh loading facility. The contract was awarded by VALE, located in the Amazon Jungle and in the town of Carajas, Para, Brazil. The 24,000 TPH facility will be loading rail wagons with iron ore that will be exported to China.

The system consists of four weigh bins, two surge bins, with a total height of 211 feet, using 2,165 tons of steel in the construction, four operator control chairs, a batch system, one train speed indication system, two in-motion rail scales, and a foreign body detection system for identification of any foreign objects in the wagons prior to loading.

One of the main control components of this complex system is the Rice Lake 920i® indicator and sixteen 125,000 lb double-ended shear load cells. Each instrument is equipped with an Ethernet®/IP card to communicate directly with the Allen Bradley ControlLogix PLC processor and Rockwell Automation’s Factory Talk View SE software for the HMI displays. This allows all the scale information to be available to the PLC for exceptional control.

The Carajas mine is the world’s largest iron ore mine and has reserves of 1.5 billion tons of iron ore. Currently Brazil is the world’s largest exporter of iron ore with an annual production of over 200MT.

Over the years, Kanawha Scales & Systems Inc. has steadily evolved from a weighing equipment service company into a fully integrated company, providing engineering solutions for plant floor automation, material handling, controls systems engineering, mechanical design, hydraulic design engineering, computer and PLC programming and database management systems. From its beginning, the company has grown to over 200 employees with branch offices and subsidiary companies in fourteen cities throughout the Northeast and Central United States, as well as an office in Beijing, China, and Sao Paulo, Brazil, with successful installations in Canada, Colombia, Brazil, South Africa, India, Saudi Arabia, The People’s Republic of China, and Australia. ■

