# Ball Aerospace Interns Showcase Skills on High-Altitude Balloon Launch

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**Boulder, CO, July 15 2017 –** Over the last six weeks, Ball Aerospace interns have worked to build four different payloads that will launch aboard an Edge of Space Science (EOSS) high-altitude balloon. This year's Ball Intern Remote Sensing Team (BIRST) includes 39 interns and 25 mentors. The high-altitude balloon and Ball payloads will soar through the Earth's atmosphere to approximately 80,000 feet.

**Missions:**

Team 1: Use a ground station gimbal system to track payload antenna in order to maximize signal strength.

Team 2: Design and engineer a payload containing both a dynamic sensor suite and a stabilized optical system that can operate while traveling upwards of 80,000 feet into Earth's atmosphere. The system will record stable video and environmental data while withstanding midair turbulence and extreme environmental changes.

Team 3: Use the extreme environmental conditions in the upper atmosphere to cool a carbonated liquid in a Ball-built 7.5 ounce can to the ideal drinking temperature. Communicate the temperature of the beverage in real-time through Twitter.

Team 4: Use Ball's virtual reality lab to process and view images collected using an on-board payload camera. Sensor suite (pressure, temperature, magnetometer) – track conditions by altitude, determine spin/rate force for future BIRST teams, conduct high altitude sabermetrics (using MLB Statcast data and calculating air density from sensors).

**When/Where:**

**Student Balloon Launch**

Saturday, July 15, 2017, 6:00 – 8:00 a.m.

Location: Limon, CO

Follow the BIRST mission on our social media channels LinkedIn, Facebook or Twitter.

**About the BIRST program**: Launching aboard a high-altitude balloon is a first for BIRST. Since 2009, Ball has offered students space industry experience by launching payloads they build aboard rockets. This year, Ball has expanded this program to offer real-world opportunities through new launch vehicles—high-altitude balloons. The interns had six weeks to design, build and test the rockets and the payloads with the guidance of Ball mentors.

**Ball Aerospace** pioneers discoveries that enable our customers to perform beyond expectation and protect what matters most. We create innovative space solutions, enable more accurate weather forecasts, drive insightful observations of our planet, deliver actionable data and intelligence, and ensure those who defend our freedom go forward bravely and return home safely. For more information, visit www.ball.com/aerospace or connect with us on LinkedIn, Facebook or Twitter.

**Ball Corporation** supplies innovative, sustainable packaging solutions for beverage, food and household products customers, as well as aerospace and other technologies and services primarily for the U.S. government. Ball Corporation and its subsidiaries employ 18,450 people worldwide and 2016 net sales were $9.1 billion. For more information, visit www.ball.com, or connect with us on Facebook or Twitter.

**Forward-Looking Statements**

This release contains "forward-looking" statements concerning future events and financial performance. Words such as "expects," "anticipates," "estimates," "believes," "targets," "likely" and similar expressions typically identify forward-looking statements, which are generally any statements other than statements of historical fact. Such statements are based on current expectations or views of the future and are subject to risks and uncertainties, which could cause actual results or events to

differ materially from those expressed or implied. You should therefore not place undue reliance upon any forward-looking statements and any of such statements should be read in conjunction with, and, qualified in their entirety by, the cautionary statements referenced below. The company undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. Key factors, risks and uncertainties that could cause actual outcomes and results to be different are summarized in filings with the Securities and Exchange Commission, including Exhibit 99 in our Form 10-K, which are available on our website and at www.sec.gov. Additional factors that might affect: a) our packaging segments include product demand fluctuations; availability/cost of raw materials; competitive packaging, pricing and substitution; changes in climate and weather; competitive activity; failure to achieve synergies, productivity improvements or cost reductions; mandatory deposit or other restrictive packaging laws; customer and supplier consolidation, power and supply chain influence; changes in major customer or supplier contracts or a loss of a major customer or supplier; political instability and sanctions; currency controls; and changes in foreign exchange or tax rates; b) our aerospace segment include funding, authorization, availability and returns of government and commercial contracts; and delays, extensions and technical uncertainties affecting segment contracts; c) the company as a whole include those listed plus: changes in senior management; regulatory action or issues including tax, environmental, health and workplace safety, including U.S. FDA and other actions or public concerns affecting products filled in our containers, or chemicals or substances used in raw materials or in the manufacturing process; technological developments and innovations; litigation; strikes; labor cost changes; rates of return on assets of the company's defined benefit retirement plans; pension changes; uncertainties surrounding geopolitical events and governmental policies both in the U.S. and in other countries, including the U.S. government elections, budget, sequestration and debt limit; reduced cash flow; ability to achieve cost-out initiatives and synergies; interest rates affecting our debt; and successful or unsuccessful acquisitions and divestitures, including with respect to the Rexam PLC acquisition and its integration, or the associated divestiture; the effect of the acquisition or the divestiture on our business relationships, operating results and business generally.

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