

# He Shoots, He Scores!

There's nothing quite as satisfying as scoring a goal. Here at *Power Transmission Engineering*, our goal is to provide you with as much relevant educational and technical material as possible, and every issue we strive to cover the subjects of power transmission and motion control from as many different angles as possible, so that no matter your job title, and no matter your industry, if gears, bearings, motors and related components are important to you, we've got you covered.

This issue is no exception, and we hope we've provided something for everyone, with articles on lubrication, couplings, bearings, gears and more. We have application examples from mining, energy production and rocket cars. We have articles aimed at design engineers, maintenance professionals and everyone in-between.

But if you read just one article this issue, I hope it's Erv Zaretsky's piece on the history of the NASA Glenn Research Center (page 20). It's a conversational, historical perspective on the research center's achievements in the fields of lubrication, bearings and gears. Nasa Glenn turns 75 this year, and much of what we know today about the lifetime and failure of mechanical components is based on the work done there over the years.

Unfortunately, there's never enough space in the magazine to include everything we want, so we rely heavily on the Internet to bring you even more content.

A great example of that is our new blog on *powertransmission.com*. It's called *Motor Matters*, and it's written by George Holling, who is the technical director of Rocky Mountain Technologies, a company specializing in the technology of switched reluctance motors. He'll be writing for us periodically on the subject of motors in general, and he's begun with a simple guide to choosing the right type of motor for your application. If motors are among the products you design, specify or buy, we're confident that *Motor Matters* will be a valuable resource for you.

But it's not just our content we'd like to share with you. Lots of others out there share our vision and mission of education, and they produce relevant articles and information we think you'd be interested in. I'd like to point out a couple of those that we've come across lately.

The first is *www.bearings.com*, a new website launched by Motion Industries. The site includes articles, videos, white papers, training materials and more. "*Bearings.com* is a unique, intelligent online tool that provides loads of great information and resources," says Randy Breaux, Motion Industries' senior vice president of marketing. "People know us for our large inventory, but there is a lot of knowledge behind the inventory."



*Bearings.com* includes articles like "Selecting the Right Bearing," "Prevent Premature Mounted Bearing Failure," "An Overview of Bearing Lubrication," "Bearing Corrosion and its Causes," and many more. Videos include how-to and hands-on demonstrations of bearing failure analysis, bearing lubrication, and bearing installation, for example. The content is geared to both OEM and MRO users. If you buy, specify, maintain or replace bearings, it's definitely worth a look.

Another good resource is the Martin Sprocket blog. There you can find articles like "Gear Drive Troubleshooting - 11 Common Problems & Solutions." We'll be keeping an eye on this blog, and we hope you will, too. Go to [www.martinsprocket.com/blog/](http://www.martinsprocket.com/blog/) to read that article and more.

Of course, don't forget to stop by and visit "Gear Talk with Chuck," which is the twice-weekly blog written by Chuck Schultz over at [www.geartechnology.com/blog/](http://www.geartechnology.com/blog/). Chuck covers all things gear-related, and he offers hints, tips and insights from a lifetime in the gear industry.

I've tried to point out some new and noteworthy online resources here. But as much as I appreciate you reading my column, you don't really need me. That's because every issue, we run a column on page 4 called *PTExtras*, which includes a quick run-down of some of the online resources we think are worth your time (both on our own site and around the Internet).

If you find something interesting, useful or practical, either here in print, or in the links we've provided, then we've accomplished our goal.

As always, thanks for reading.