Randy Stott, Managing Editor

What's on *Your* Menu?

With Thanksgiving right around the corner, it's hard not to think of the smorgasbord most of us experience on America's most food-centric holiday. If your family celebrates like mine, then there's always plenty of food—and more importantly—plenty of choices.

In fact, you can always tell it's going to be a great Thanksgiving meal when you realize halfway through passing the food around that your plate just isn't big enough.

Here at *Power Transmission Engineering*, we like to think of our magazine as the Thanksgiving dinner of content. Our goal is to give you a heaping plate of information every issue. We want to give you more choices than you can possibly consume, and we want each choice to be so good that you don't want to pass it up. In other words, we want to leave you wishing for a bigger plate.

This issue's main course is our focus on lubrication, that oft-overlooked but vitally important aspect of nearly every mechanical system. Klüber Lubrication has provided us with the "Guide to Proper Bearing Lubricating Procedures," which you can read beginning on page 30. The article gives a step-by-step process to make sure your rolling element bearings operate smoothly and efficiently without generating excess heat.

We also have a research paper that explores and quantifies the aging mechanisms in lithium soap grease. Read "A Model for Shear Degradation of Lithium Soap Grease at Ambient Temperature," beginning on page 38, if you'd like to know more about how and why greases fail.

But there's more to turkey dinner than just turkey. So we've also included the side dishes of gearmotors and energy.

Associate Editor Alex Cannella's article on gearmotors ("Familiar Goals, New Solutions," page 20) covers a number of significant trends in the gearmotor industry. With expert perspectives from Baldor, Brother International, Framo-Morat, Lenze, Parker Hannifin, Rexnord, SEW-Eurodrive and Siemens, this article gives a broad overview.

Senior Editor Jack McGuinn tackles the wind turbine industry with his article, beginning on page 26 ("U.S. Wind Power Blowing Hot as New Installations Flourish"). The article takes a look at the many factors influencing the continued growth of the wind turbine industry in the USA and what it means for suppliers of gears, gearboxes, bearings and related components and systems.

Also touching on the theme of energy is the latest installment in our Baldor Basics series. This issue, Edward Cowern explains premium efficiency motors, including why they save you money in the long run, along with some of the important considerations and pitfalls to avoid. He's also provided a handy Q&A section at the end to answer some of your basic questions about premium efficiency motors.

Every issue we try to give you plenty of meat and potatoes by including as many different in-depth articles as possible on different topics of relevance. But we also provide the gravy and the dressing in the form of our news sections and departments. Always up front (beginning on page 8) you'll find Product News, with the latest in technology for power transmission and motion control components. And if you want to know what else is happening around the industry, just check out our Industry News section, beginning on page 56.

And don't forget the dessert, which around here we call "Power Play." This issue, Senior Editor Matthew Jaster tells you about the 10,000 Year Clock, which requires bearings that will run for 350 million cycles (see "The Long and the Short of It," page 64).

Caution: After reading all of the above, you may experience the urge to watch football and take a nap. Seriously, though, we hope we've done a good job filling your plate with the type of content you want and need. If you'd like to let us know how we're doing, please send an e-mail to *wrs@powertransmission.com*.

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