VOLUME 15 • No. 1	TABLE OF CONTENTS	
3	From the Director's Desk	
5	lt's only a phase - a smectic vortex phase	
7	Micromechanical devices for magnetometry in pulsed and continous magnetic fields	
9	<i>Fractional quantum Hall effect in the first excited Landau level:</i> High-field, low-temperature studies	
12	Using MR microscopy to build an <i>in vivo</i> mouse brain atlas	
14	<i>A life in physics</i> : Bill Moulton and the birth of the Magnet Lab	
17	The quest for better conductor wires to meet demands of ever-increasing pulse fields	
20	Success! Conical model coil tests prove promising	
22	<i>DC and NMR</i> : a hot new couple? Notes on the progress of the Series Connected Hybrid project	
24	CIRL gets one-on-one with undergrads	
25	People in the news	
27	Science starts here: Madalina Furis	
	Trying to reduce your carbon footprint? Sign up for an online	



On the cover:

subscribe.aspx

subscription at http://www/ mediacenter/publications/

> The Magnet Lab enjoyed record attendance at this year's Open House, held Feb. 23, with over 4,600 guests visiting during the five-hour event. In the cover shot, a girl reacts to static electricity from a Van de Graaff generator.

> > — Photo by Larry Gordon

Director: GREG BOEBINGER Director, Public Affairs: SUSAN RAY Editing and Writing: AMY MAST, SUSAN RAY Art Direction and Production: SAVOY BROWN This document is available in alternate formats upon request. Contact Amy Mast for assistance. If you would like to be added to our mailing list, please write us at the address shown at left, call 850 644-1933, or e-mail winters@magnet.fsu.edu.

Published by: National High Magnetic Field Laboratory 1800 East Paul Dirac Drive Tallahassee, Florida 32310-3706

Tel: 850 644-0311 Fax: 850 644-8350 www.magnet.fsu.edu