

## Contents

<b>From the Director's Desk .....</b>	<b>3</b>	<b>Ultra-Narrow Bore Magic Angle Spinning Probes .....</b>	<b>18</b>
<b>From the Chief Scientist's Desk.....</b>	<b>5</b>	<b>High Capacity Production of &gt; 40% Spin Polarized Xenon-129 for NMR and MRI .....</b>	<b>20</b>
IHRP Awards / Funded Projects for 2001		<b>A New School Year with New Challenges for CIRL .....</b>	<b>24</b>
<b>Proton NMR Studies of Spin Density Wave Fluctuations up to 1.9 GHz .....</b>	<b>8</b>	<b>NMR Structure of a Neuropeptide Bound to Its Receptor .....</b>	<b>25</b>
<b>\$8 Million NIH Grant Awarded for Structural Genomics "Virtual Laboratory" .....</b>	<b>12</b>	AMRIS Progress and Research Report #8, October 2001	
<b>Field Induced Superconductivity in a Magnetic Organic Conductor .....</b>	<b>13</b>	<b>People in the News .....</b>	<b>28</b>
<b>Attention Users .....</b>	<b>15</b>	<b>Conference and Workshop Activity .....</b>	<b>29</b>
Exposure of Microorganisms to High Intensity Magnetic Fields		<b>Geochemistry Joins Consortium.....</b>	<b>31</b>
<b>NHMFL Users' Committee November Meeting .....</b>	<b>17</b>		

**On the Front Cover:** NMR coils and samples. *Read story on page 8.* **On the Back Cover:** J. Robert Schrieffer Symposium. *Collage by Walter Thorne*

*Published by:*

**National High Magnetic Field Laboratory**

1800 East Paul Dirac Drive  
Tallahassee, Florida 32310  
Tel: 850-644-0311  
FAX: 850-644-8350

**Director:** Jack Crow

**Deputy Director:** Hans Schneider-Muntau

**Director, Governmental & Public Relations:** Janet Patten

**Editing and Writing:** Kathy Hedick, Ceci Bell

**Design and Production:** Walter Thorne, Kathryn Roberts, Robert Burke

**[www.magnet.fsu.edu](http://www.magnet.fsu.edu)**

*This document is available upon request in alternate formats for individuals with print-related disabilities. Contact Ceci Bell for more information. If you would like to be added to our mailing list please write us at the address above, call 850-644-1933, or e-mail bell@magnet.fsu.edu.*