DEPARTMENTS

OF NOTE 3
Gene therapy for arthritis deemed safe.
Old friends come of age together at Pitt med.
Avoiding cases like Terri Schiavo’s.

CLOSER 7
Über-magnet.

INVESTIGATIONS 8
Made-to-order cancer vaccines.
Pittsburgh researchers are watching genes in action.
How can doctors stop people from considering clinical trials only as a last resort?

ATTENDING 32
A polio scrapbook.

MATCH LIST 35
The Class of ’05 ventures out.

ALUMNI NEWS 36
A booster like Bebe Miller doesn’t come along every day.
What happened after Mary Carrasco started questioning abusive parents.

LAST CALL 40
Ouch.

FEATURES

Life Jackets on Ice 12
Some of the basics about how to care for premature babies came from Richard Lawrence Day, Pitt’s former chair of pediatrics.
BY EDWIN KIESTER JR.

Raging Hormones, But What Else? 16
Those darned kids—reckless, passionate, inconsolably bored. What’s going on in their minds? As it turns out, adolescence is a time of opportunity as well as vulnerability in brain development.
COVER STORY BY CHUCK STARESINIC

Tiny Bubbles 22
These itty-bitty bubbles can identify cardiovascular injury before symptoms even develop.
IMAGE ESSAY BY FLORDELIZA VILLANUEVA AND MEGHAN HOLOHAN

In Search of Happy Numbers 28
Resident alum Martin Weinstock has a plan for cutting melanoma deaths in half.
BY MICHAEL FITZGERALD

CONTRIBUTORS
Photographer C.E. MITCHELL [Cover and “Raging Hormones, But What Else?”], whose work has appeared in Time, The Washington Post, and USA Today, recently released his first documentary feature film, The WYO Way, which aired on public television in July. The film traces the history of a rodeo in Sheridan, Wyo., drawing connections between traditional ranching skills and the competitive rodeo events of today. Mitchell, who was born in Sheridan, has long been enamored of the cowboy life: His first photographs, which he took when he was 14, were of cattle brandings and rodeo events. “A good day for me,” he says, “is a day when I’ve got dirt under my feet.”

MICHAEL FITZGERALD (“In Search of Happy Numbers”) says he’s a technology writer from way back: “I covered personal computing, Intel, and microprocessors when they were even geekier than they are today. ... I talked to Bill Gates back when he was still the world’s most accessible billionaire.” He loves writing about people first; our feature on Martin Weinstock was a good fit for this writer—a story about a guy who is passionate about math and science as well as saving lives. Fitzgerald has written for Boston Globe Magazine, Inc., The Economist, and The New York Times. Before setting out as a freelancer, he held senior editorial and reporting positions at Red Herring and Computerworld among other media outlets.

COVER
From birth to 3 years old isn’t the only critical time for brain development. What scientists are learning about teenage brains could change the way we raise our children. (Photo © C.E. Mitchell)