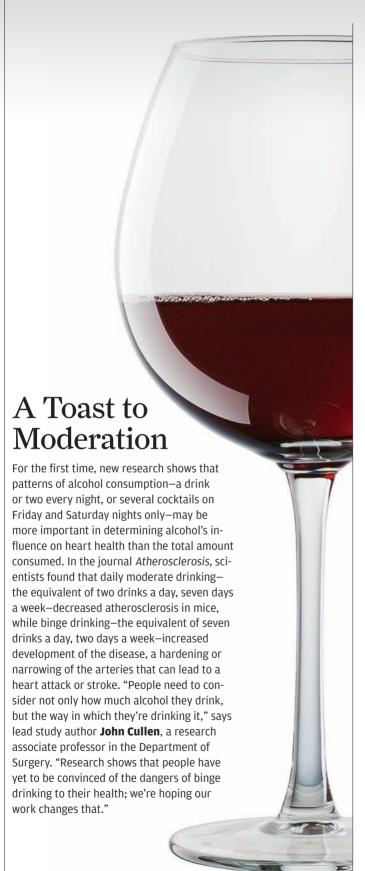
## Discovery



## Is Marriage Good for the Heart?

Giving your heart to a supportive spouse turns out to be an excellent way to stay alive, according to new research.

Happily wedded people who undergo coronary bypass surgery are more than

three times as likely to be alive 15 years later as their unmarried counterparts, according to a study published online in Health Psychology, a publication of the American Psychological Association. The effect of marital satisfaction is "every bit as important to survival after bypass surgery as more traditional risk factors like tobacco use, obesity, and high blood pressure," says

**Harry Reis**, a professor of psychology. He coauthored the study with **Kathleen King**, a professor emerita from the School of Nursing.

But the marriage advantage plays out differ-

ently for men and women. For men, marriage in general is linked to higher survival rates, and the more satisfying the marriage, the higher the rate of survival. For men, the quality of the marriages provide.

women, the quality of the relationship is more important. Unhappy marriages provide virtually no survival bonus for women, while satisfying unions increase a woman's survival rate almost fourfold.

## How Chronic Stress Short-circuits Parenting

In the best of circumstances, raising a toddler is daunting—but parents under long-term stress often find it particularly challenging to tap into the patience, responsiveness, and energy required for effective child rearing. Now research helps to explain why chronic stress and parenting are such a toxic mix.

A study published in *Development and Psychopathology* finds that ongoing strains like poverty or depression disrupt the body's natural stress response, making mothers more likely to engage in a host of problematic parenting behaviors, including neglect, hostility, and insensitivity.

"Stress gets under your skin," says lead author **Melissa Sturge-Apple**, an assistant professor of psychology. "It literally changes the way a mother's body

responds to the normal demands of small children, and those changes make it much harder to parent positively."

The study is the first to measure physiological stress response in real time, says **Fred Rogosch**, research director at the University's Mt. Hope Family Center and a fellow author on the paper.

Researchers observed 153 mothers and their 17- to 19-month-old children, and participants' reactions were captured using a novel wireless electrocardiograph monitor developed for the study by University engineers **Zeljko Ignjatovic** and **Wendi Heinzelman**.

"Stress is not just in our heads, it's in our bodies," says Sturge-Apple.

