



LATEST NEWS [GIANT](#)

Quotes, News, Pictures & Video [SEARCH](#)



Reuters Oddy Enough
Strange-but-true stories from around the world.
[Subscribe](#)

Broker Center sponsored links

FREE \$50,000
¥ € \$ - Learn. Practice. Trade.

Learn to Trade with a FREE Guide.

\$0 Stock Trades
zecco.com
\$0 stock trades. 10 free per month.

EASYFOREX
Trade with personal dealer service.

You are here: [Home](#) > [News](#) > [Science](#) > Article

- [HOME](#)
- [BUSINESS & FINANCE](#)
- [NEWS](#)
- [U.S.](#)
- [Politics](#)
- [International](#)
- [Technology](#)
- [Entertainment](#)
- [Sports](#)
- [Lifestyle](#)
- [Oddly Enough](#)
- [Environment](#)
- [Health](#)
- [Science](#)
- [Special Coverage](#)
- [Video](#)
- [Pictures](#)
- [You Witness](#)
- [Blogs](#)
- [Reader Feedback](#)

REUTERS LIFESTYLE MONEY

- ▶ Ways to spend a government bonus check
- ▶ Tax-deferred saving
- [Find more](#)

Do More With Reuters

- [RSS](#)
- [Mobile](#)
- [Podcasts](#)
- [Newsletters](#)
- [You Witness News](#)

Partner Services

- [CareerBuilder](#)
- [Affiliate Network](#)

Professional Products

- [Support \(Customer Zone\)](#)
- [Reuters Media](#)
- [Financial Products](#)
- [Find a financial adviser](#)

About Reuters

Researchers make tiny radio from nanotubes

Mon Jan 28, 2008 5:04pm EST

[Email](#) | [Print](#) | [Share](#) | [Reprints](#) | [Single Page](#) | [Recommend \(-\)](#)

By Julie Steenhuisen

Featured Broker sponsored link

Learn to Trade with a FREE Guide.

CHICAGO (Reuters) - Transistor radios tinier than a grain of sand, made using nanotechnology, can not only tune in to the traffic report, but may end up outperforming current silicon-based electronics, U.S. researchers said on

Monday.

The researchers made the microscopic radios out of carbon nanotubes -- tiny strands of carbon atoms -- and say in theory they could lead to faster devices.

They overcame a series of obstacles that have defeated efforts to make nano-radios, including getting amplification, by making their devices on quartz wafers.

"Our goal is not to make tiny radios per se, but really to develop nanotubes as a higher-performing semiconductor," said John Rogers, a professor of materials science and engineering at the University of Illinois.

He said the devices are meant to showcase a new way of making carbon nanotubes in perfectly aligned rows, much like strands of silky hair that have been combed flat.

These strands are a hundred thousand times smaller than the width of a human hair, forming a thin layer of semiconductor material that can be used in electronics devices and circuits.

"The radio is really a step along the path to building new platforms for electronics technology," said Rogers, whose study appears in the Proceedings of the National Academy of Sciences.

"We're interested in nanotubes not because they are small but because smallness imparts some electronic properties that are very appealing," he said. [Continued...](#)

[View article on single page](#)

Previous Page [1](#) | [2](#) [Next Page](#)

SHARE: [Del.icio.us](#) [Digg](#) [Mixx](#) [My Web](#) [Facebook](#) [Newsvine](#)

SCIENCE BLOG POSTS

- [Scientific Debate Evolves into Nonexistence](#)
LiveScience.com Blogs
- [Targeting gut bugs could revolutionize future drugs, say researchers](#)
Scientific Frontline Comm Center
- [Astronomer successfully predicts distant planet](#)
Earth & Sky
- [The great space debate aftermath](#)
Space Politics

powered by **BlogBurst**

Views in these blog posts are those of the author and not of Reuters.

RELATED WEB NEWS

- [University Makes New Black from Tiny Carbon Tubes](#)
NPR

powered by **Sphere**

ALSO ON REUTERS

- [\[Empty\]](#)
- [\[Empty\]](#)
- [\[Empty\]](#)

EDITOR'S CHOICE [Pictures](#) [Video](#) [Articles](#)



A selection of our best photos from the past 24 hours
[View Slideshow](#)

MOST POPULAR ON REUTERS

[Articles](#) [Video](#) [Searched](#) [Recommended](#)

1. **Clinton, Obama in close Super Tuesday races**
2. Shop pulls "Lolita" bed for young girls
3. The dumbest ever quiz answers
4. Clinton, Obama in close 'Super Tuesday' races
5. Grateful Dead to reunite for Obama concert
6. Bidding reaches \$18.55 bln in U.S. wireless auction
7. Travel Picks: The world's top 10 dangerous destinations
8. Finnish patient gets new jaw from own stem cells
9. Five women killed in Chicago-area store shooting
10. In campaign detour, Romney mourns Mormon leader

[Most Popular Articles RSS Feed](#)