

## **Bouldin Corporation Turns Garbage into “Gold”**

One of the “Gold Medals” for scientist and inventors known as the R&D 100 has been awarded to McMinnville, Tennessee’s Bouldin Corporation. The company was presented this award for their innovative WastAway process that recycles unsorted household garbage into useful products. A selection panel of 40 distinguished scientist and educators from around the world selected the winners.

BouldinCorp joined with scientists and corporate officials from ten countries to accept awards for the one hundred most technologically significant inventions of the year. The WastAway process developed by the BouldinCorp was selected as a winner because it protects the environment by recycling the entire household waste stream. Other 2005 winners included John Hopkins Univ., Dow Chemical, Toyota Motor Corp., Los Alamos Labs, Lawrence Livermore Labs, Mitsubishi Electronics, and Ohio State University.

The R&D 100 has been described as the “Oscars of Inventions.” Past award winners are now household names as:

- Flashcube (1965) Sylvania Electronic
- Color Copier (1968) 3M
- Automated teller machine (1973)
- Halogen lamp (1974) General Electric
- Fax machine (1975) Xerox
- Full Color Graphic Computer Printer (1986) Hitachi
- Photo CD (1991) Kodak
- Nicodern antismoking patch (1992)
- HDTV (1998)

BouldinCorp’s co-winner of the award is The Battelle Institute of Columbus, Ohio. “This award is a reflection of the creativity and hard work of the researchers involved,” said Battelle President and CEO, Carl F. Kohrt. The WastAway Development Team consisting of Floyd Bouldin, Dwight Bouldin, Lloyd Bouldin, Tom Cantrell, and Bob Brown was joined in receiving the award by Dr. Satya Chauhan of Battelle

The company recycles unsorted municipal solid waste (MSW) into safe, usable products. The automated recycling process consists of specialized grinders, shredders, pressurized heat, and in-process metal separation. The MSW is transformed into a safe cellulose-like material called Fluff®.

To most communities, Garbage is a liability and a burden on the government. In Warren County, Tennessee, garbage has become an asset as a valuable raw material. Bouldin Corporation’s WastAway Recycling facility has recycled Warren county’s MSW since June of 2003. The results have been a cost reduction in waste disposal and the receipt of recycling grants.

The current applications of Fluff® are as a growing media for nurseries and as a soil additive for reclaiming barren or eroded land. Preliminary research has shown that Fluff also has the potential use as a raw material for the manufacture of building products.

Bouldin Corporation and Battelle Institute have also teamed together to implement the WastAway technology in various other industries. Among other possible applications of Fluff is its use as a fuel to create green energy from garbage. The future uses for Fluff may be as limitless as the amount of household garbage seems to be.

On the Web: [www.wastaway.com](http://www.wastaway.com)  
[www.battelle.com](http://www.battelle.com)

Pictured: l-r; Lloyd Bouldin, Dwight Bouldin, Dr. Satya Chauhan (of Battelle Institute), Floyd Bouldin, Charles Lucius (Battelle), and Bob Brown of BouldinCorp

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