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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 8-K
CURRENT REPORT

PURSUANT TO SECTION 13 OR 15(D) OF THE
SECURITIES AND EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): NOVEMBER 20, 2003

WESCO INTERNATIONAL, INC.
(Exact name of registrant as specified in its charter)

Commission file number 001-14989

DELAWARE
(State or other jurisdiction of
incorporation or organization)

25-1723342
(IRS Employer Identification No.)

225 WEST STATION SQUARE DRIVE
SUITE 700
PITTSBURGH, PENNSYLVANIA 15219
(Address of principal executive offices)

(412) 454-2200
(Registrant's telephone number,
including area code)

N/A
(Former name or former address, if changed since last report)

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ITEM 5. OTHER EVENTS.

On November 20, 2003, WESCO issued a press release announcing the purchase of 4.3 million shares of its outstanding Class B Nonvoting Convertible Common Stock. A copy of the press release is attached hereto as Exhibit 99.1.

ITEM 7. FINANCIAL STATEMENTS AND EXHIBITS.

a) Financial statements of businesses acquired.

Not applicable.

b) Pro forma financial information.

Not applicable.

c) Exhibits.

99.1 Press Release of WESCO International, Inc. dated November 20, 2003

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

November 20, 2003

WESCO International, Inc.

(Date)

/s/ Stephen A. Van Oss

Stephen A. Van Oss
Vice President, Chief Financial
Officer

EXHIBIT INDEX

Exhibit 99.1: Press release of WESCO International, Inc. dated November 20, 2003.

[WESCO DISTRIBUTION LOGO] NEWS RELEASE

[WESCO DISTRIBUTION LETTERHEAD]WESCO INTERNATIONAL, INC. ANNOUNCES
PURCHASE OF 4.3 MILLION SHARES OF ITS COMMON STOCK

Contact: Stephen A. Van Oss, Chief Financial Officer
WESCO International, Inc. (412) 454-2271, Fax: (412) 454-2477
<http://www.wescodist.com>

Pittsburgh, PA, November 20, 2003 - WESCO International, Inc. [NYSE:WCC], a leading provider of electrical MRO products, construction materials, and advanced integrated supply procurement outsourcing services, today announced that it has purchased, at a discount from market, approximately 4.3 million of its outstanding Class B Nonvoting Convertible Common Stock, \$0.01 par value, representing 9.5% of its Common Stock outstanding in a single privately negotiated transaction.

Stephen A. Van Oss, Vice President and Chief Financial Officer, stated, "Over the past eighteen months, we have made significant improvements in our capital structure and operational performance and this has positioned the Company to take advantage of an attractive share repurchase opportunity and to consummate this highly accretive transaction for the benefit of our shareholders."

Roy W. Haley, Chairman and Chief Executive Officer, commented, "Our management team and our Board are committed to performance improvement and enhanced shareholder value. This transaction demonstrates the Board's confidence in the Company's financial position, current performance and future prospects."

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WESCO International, Inc. [NYSE: WCC] is a publicly traded Fortune 500 holding company, headquartered in Pittsburgh, Pennsylvania, whose primary operating entity is WESCO Distribution, Inc. WESCO Distribution is a leading distributor of electrical construction products and electrical and industrial maintenance, repair and operating (MRO) supplies, and is the nation's largest provider of integrated supply services with 2002 annual product sales of approximately \$3.3 billion. The Company employs approximately 5,400 people, maintains relationships with 24,000 suppliers, and serves more than 100,000 customers worldwide. Major markets include commercial and industrial firms, contractors, government agencies, educational institutions, telecommunications businesses and utilities. WESCO operates five fully automated distribution centers and 350 full-service branches in North America and selected international markets, providing a local presence for area customers and a global network to serve multi-location businesses and multi-national corporations.

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The matters discussed herein may contain forward-looking statements that are subject to certain risks and uncertainties that could cause actual results to differ materially from expectations. Certain of these risks are set forth in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2002, as well as the Company's other reports filed with the Securities and Exchange Commission. WESCO's Internet address is: <http://www.wescodist.com>.