

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

FORM 8-K

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

Date of Report (Date of earliest event reported):

April 27, 2004

ULTRALIFE BATTERIES, INC.
(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of incorporation or organization)

0-20852
(Commission File Number)

16-1387013
(I.R.S. Employer Identification No.)

2000 Technology Parkway, Newark, New York
(Address of principal executive offices)

14513
(Zip Code)

(315) 332-7100
(Registrant's telephone number, including area code)

Item 7. Financial Statements, Pro Forma Financials and Exhibits.

(a) Financial Statements of Business Acquired.

Not applicable.

(b) Pro Forma Financial Information.

Not applicable.

(c) Exhibits.

99.1 Press Release dated April 27, 2004

Item 9. Regulation FD Disclosure.

The Company has received an order valued at \$6 million from the U.S. Army Communications and Electronics Command (CECOM) for its BA-5372/U military batteries. Refer to the attached Exhibit 99.1 for the entire text of the release, which Exhibit is being furnished but not filed in accordance with Regulation FD.

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.

ULTRALIFE BATTERIES, INC.

Dated: April 27, 2004

By: /s/ Peter F. Comerford

Peter F. Comerford
Vice President - Administration &
General Counsel

Index to Exhibits

(99) Additional Exhibits

99.1 Press Release dated April 27, 2004

Ultralife Batteries, Inc. Receives \$6 Million U.S. Army Battery Order

NEWARK, N.Y.--(BUSINESS WIRE)--April 27, 2004--Ultralife Batteries, Inc. (Nasdaq:ULBI) has received an order valued at \$6 million from the U.S. Army Communications and Electronics Command (CECOM) for its BA-5372/U military batteries. The order represents the sixth production release within a year, totaling over \$16 million in releases under the \$32 million NextGen II, 5-year Small Cylindrical Battery contract. Deliveries are expected to begin late this year and continue throughout 2005.

John D. Kavazanjian, Ultralife's president and chief executive officer, said, "The Next Gen II Small Cylindrical Battery contract has provided for a steady stream of orders for us since we received it in 2002. We have increased our production based on requests for accelerated deliveries, and anticipate receiving additional orders over the remaining life of the contract through 2007 for the BA-5372 battery, which has been in very high demand."

NextGen II is CECOM's five-year acquisition strategy with production contracts awarded to provide three types of primary (non-rechargeable) lithium-manganese dioxide batteries to the U.S. Army. The three battery types -- BA-5372/U, BA-5367/U and BA-5368/U -- comprise the Small Cylindrical Cell Lithium Manganese Dioxide Battery Group. A major objective of this five-year acquisition strategy is to establish and maintain a domestic production base of a sufficient capacity to timely meet peacetime demands and have the ability to surge quickly to meet deployment demands.

The BA-5372/U battery is used for memory backup primarily for the AN/PRC-119 MANPACK Single Channel Ground and Airborne Radio System (SINGARS), and in numerous other applications including encryption and cryptographic devices, and the Patriot Missile System.

About Ultralife Batteries, Inc.

Ultralife is a leading developer, manufacturer, and marketer of standard and customized lithium primary (non-rechargeable), lithium ion and lithium polymer rechargeable batteries. Ultralife's high-energy batteries use advanced lithium technology and are used in military, industrial and consumer portable electronic products. Through its range of standard products and ability to customize for a wide range of applications, Ultralife is able to provide the next generation of battery solutions. OEM, retail and government customers include Energizer, Kidde Safety, Philips Medical Systems, Radio Shack and the national defense agencies of the United States and United Kingdom, among others.

Ultralife's headquarters, principal manufacturing and research facilities are in Newark, New York, near Rochester. Ultralife (UK) Ltd., a second manufacturing and research facility, is located in Abingdon, U.K. Both facilities are ISO-9001 certified.

This press release may contain forward-looking statements based on current expectations that involve a number of risks and uncertainties. The potential risks and uncertainties that could cause actual results to differ materially include: worsening global economic conditions, increased competitive environment and pricing pressures, disruptions related to restructuring actions and delays. Further information on these factors and other factors that could affect Ultralife's financial results is included in Ultralife's Securities and Exchange Commission (SEC) filings, including the latest Annual Report on Form 10-K.

Note to Editors: Photos for the battery and application mentioned in this release, and other Ultralife military batteries are available at: <http://www.ultralifebatteries.com/milphoto.asp>

Ultralife(R) is a registered trademark of Ultralife Batteries, Inc.

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