

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):

August 13, 2003

ULTRALIFE BATTERIES, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

0-20852

16-1387013

(Commission File Number)

(I.R.S. Employer Identification No.)

2000 Technology Parkway, Newark, New York 14513

(Address of principal executive offices) (Zip Code)

(315) 332-7100

(Registrant's telephone number, including area code)

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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 August 13, 2003

Item 9. Regulation FD Disclosure.

The Company announced the receipt of a \$2.9 million order for its lithium Thin Cell(R) batteries from an undisclosed U. S. medical device maker. Cell deliveries are expected to begin in September and extend into 2004. 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: August 13, 2003

By: /s/Peter F. Comerford

Peter F. Comerford
Vice President - Administration &
General Counsel

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Index to Exhibits

(99) Additional Exhibits

99.1 Press Release dated August 13, 2003

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Ultralife Batteries, Inc. Receives \$2.9 Million Lithium Thin Cell Battery Order for Medical Application

Newark, New York - August 13, 2003 - Ultralife Batteries, Inc. (NASDAQ: ULBI), today announced the receipt of a \$2.9 million order for its lithium Thin Cell(R) batteries from an undisclosed U.S. medical device maker. Cell deliveries are expected to begin in September and extend into 2004.

John D. Kavazanjian, Ultralife's president and chief executive officer, said, "We are very pleased to receive this order, which illustrates the growth opportunities available to Ultralife in the medical device field, one of our target markets. Our Thin Cell products offer unparalleled flexibility to designers in diverse applications such as medical devices and other thin-profile products."

Nancy N. Naigle, Ultralife's vice president of sales and marketing, said, "Interest in our Thin Cell products has been growing and we expect to see continued demand for their use in a range of innovative applications, many of which are enabled by the unique characteristics of our thin battery technology."

The new medical device is powered by a custom-designed lithium Thin Cell less than one-eighth inch thick and weighing only one-half ounce.

Ultralife's lithium-manganese dioxide (non-rechargeable) Thin Cell batteries provide a unique combination of thin profile, light weight, high energy, long life and wide operating temperature range. With their ultra-thin prismatic form and a high ratio of active materials to packaging, Thin Cells can efficiently fill virtually any battery cavity. Typical applications for these batteries include flat-profile products such as: medical devices, security access cards, wireless tracking tags, bank theft tracking systems and any application requiring a thin, lightweight, high-energy power source.

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-9001/2000 certified.

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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.

Detailed information on Ultralife is available at the Company's web site, www.ultralifebatteries.com.

Ultralife(R) and Ultralife Thin Cell(R) are registered trademarks of Ultralife Batteries, Inc.

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