

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 Exchange Act of 1934

May 1, 2006
(Date of Report)

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

Delaware (State of incorporation)	000-20852 (Commission File Number)	16-1387013 (IRS 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)	

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 1.01 Entry into a Material Definitive Agreement.

On May 1, 2006, Ultralife Batteries, Inc. (the "Registrant") and its wholly-owned subsidiary, MR Acquisition Corporation, entered into an asset purchase agreement with McDowell Research, Ltd., a Texas limited partnership ("Seller"), Thomas Hauke, Earl Martin, Sr., James Evans and Frank Alexander. Together, Hauke, Martin, Evans and Alexander beneficially own all of the limited partner interests of Seller and, through such ownership, they indirectly control Seller. There are no material relationships between the Registrant or its affiliates and Seller, Hauke, Martin, Evans or Alexander, other than in respect of the asset purchase agreement, which is described below.

Seller is engaged in the business of designing and developing power systems and battery chargers for sale to military and commercial customers. Pursuant to the terms and conditions of the asset purchase agreement, at the closing of the transaction, which is expected to occur during the third quarter of the Registrant's current fiscal year, the Registrant will acquire substantially all of those assets of Seller that relate to Seller's business, including certain intellectual property and contract rights, as well as inventory, fixtures, equipment, customer lists and other assets. In addition, the Registrant will assume certain liabilities of Seller that relate to Seller's business, including certain debt and obligations under assumed contracts.

Pursuant to the terms and conditions of the asset purchase agreement, at the closing of the transaction, the Registrant will pay Seller a purchase price of \$25,000,000, subject to certain adjustments discussed below. The Registrant

will pay the purchase price by tendering a single cash payment in the amount of \$5,000,000 and delivering a subordinated convertible promissory note in the principal amount of \$20,000,000. The purchase price is subject to adjustment in certain circumstances. If the sum of the value of Seller's accounts receivable and inventory minus its accounts payable is less than \$3,000,000, then the principal amount of the promissory note will be reduced by the amount of such shortfall. If the sum of the value of Seller's accounts receivable and inventory minus its accounts payable is more than \$3,000,000, then such excess will be paid to Seller in accordance with the terms of the asset purchase agreement.

The principal amount of the promissory note matures and is payable on the fifth anniversary of the closing of the transaction. The promissory note bears interest at the rate of four percent per year, which rate can increase if an event of default defined within the promissory note occurs. The promissory note is cross-defaulted against the asset purchase agreement. During the term of the promissory note, interest is payable in arrears on a quarterly basis. Subject to Seller's conversion rights discussed below, the Registrant can pay off all amounts outstanding under the promissory note before its maturity date by providing written notice to Seller at least 60 days before the anticipated payoff date. The payment of principal and interest under the promissory note is subordinate to the rights of any commercial lenders, such as banks or other financial institutions, that lend money to the Registrant.

Subject to certain limitations, the promissory note is convertible into shares of the Registrant's common stock at any time prior to the time the outstanding principal amount of the promissory note is paid in full. If the closing price of the Registrant's common stock on the closing date of the transaction is greater than \$12.00 per share, then Seller will be precluded from exercising its conversion rights until the first anniversary of the closing date. The initial per share conversion price is \$15.00, and the conversion price is subject to customary anti-dilution adjustments. The Registrant has the right to compel Seller to convert the promissory note at any time after the 30-day average closing price of the Registrant's common stock exceeds \$17.50 per share. The Registrant has undertaken to register the shares issuable upon a conversion of the promissory note.

Prior to the closing of the transaction, the asset purchase agreement may be terminated under a number of circumstances. Termination can occur upon the mutual consent of the parties or where laws or orders of government bodies would prohibit the transaction. In addition, Seller can terminate the asset purchase agreement if the transaction does not close within 30 days of the satisfaction of all applicable closing conditions as a result of the Registrant's action or inaction. Similarly, the Registrant can terminate the asset purchase agreement if the transaction does not close within 30 days of the satisfaction of all applicable closing conditions as a result of Seller's action or inaction. The Registrant can also terminate the asset purchase agreement if a material adverse event described in the asset purchase agreement occurs. Finally, either party may terminate the asset purchase agreement if the transaction does not close by September 30, 2006, as long as the terminating party is not in material breach of its contractual obligations.

The asset purchase agreement contains customary representations, warranties and covenants for a transaction of this type. The completion of the transaction is subject to the satisfaction of a number of closing conditions, including conditions relating to the Registrant's financing for the transaction and the parties securing all necessary approvals for the transaction. The asset purchase agreement also contains an exclusivity provision that provides the Registrant with the exclusive right to pursue the transaction until September 30, 2006.

The Registrant expects to file the asset purchase agreement as an exhibit to its quarterly report on Form 10-Q for the quarter ended July 1, 2006. A copy of the press release issued by the Registrant in connection with the transaction is attached as Exhibit 99.1 to this report.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

99.1 Press Release, dated May 2, 2006, announcing the agreement to acquire McDowell Research, Ltd.

SIGNATURES

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.

Date: As of May 1, 2006

ULTRALIFE BATTERIES, INC.

/s/ Peter F. Comerford

Peter F. Comerford
Vice President of Administration &
General Counsel

Ultralife Batteries to Acquire McDowell Research, Ltd.;
\$25 Million Acquisition Expands Ultralife's Global Military
Presence and Product Line

NEWARK, N.Y.--(BUSINESS WIRE)--May 2, 2006--Ultralife Batteries, Inc. (NASDAQ: ULBI) has entered into a definitive agreement to acquire substantially all of the assets of McDowell Research, Ltd., a manufacturer of military communications accessories located in Waco, Texas, for a total value of approximately \$25 million. The acquisition is expected to close by the end of July.

Established in 1992, McDowell, which ranked 357th on Inc. Magazine's 2005 "Inc. 500" list of the fastest growing private companies in the U.S., designs and manufactures power solutions and accessories to support military communications systems including power supplies, RF Amplifiers, battery chargers, amplified speakers, equipment mounts, case equipment and integrated communication systems. In 2005 McDowell generated approximately \$1.6 million in operating income on approximately \$22 million in revenue. The 2005 operating income included \$1.6 million in non-recurring costs associated with a development function that is not part of the acquisition.

The company sells its standard products to all branches of the U.S. military, including entities such as Special Operations Forces. McDowell also utilizes a General Services Administration (GSA) contract to provide these same items to the U.S. Military and various U.S. Government agencies. GSA establishes long-term government-wide contracts with commercial firms to provide access to commercial supplies and services that can be ordered directly from GSA Schedule contractors. Additionally, the company sells its products to foreign defense organizations and U.S. prime contractors including: Harris Corporation, Thales Communications, Raytheon Company and L-3 Communications.

Under the terms of the agreement, the purchase price of approximately \$25 million will consist of \$5 million in cash and a \$20 million non-transferable convertible note to be held by the sellers. The company expects the cash portion to be financed by its primary lending banks. The \$20 million convertible note carries a five-year term and is convertible at \$15 per share into 1.33 million shares of Ultralife common stock, with a forced conversion feature at \$17.50 per share. Ultralife anticipates that this acquisition will be accretive in 2006. Members of the McDowell management team will be retained as well as the McDowell brand of products.

"McDowell Research is a well-respected, profitable and growing company specializing in military communications power accessories, and will significantly broaden our solutions offerings into the military and government sectors," said John D. Kavazanjian, Ultralife's president and chief executive officer. "This acquisition will enhance our channels into the rapidly growing special operations area as well as strengthen the expansion of Ultralife's presence in global military markets."

"We are delighted to become part of Ultralife," said Tom Hauke, president and founder of McDowell Research. "Joining forces with a leading power sources company like Ultralife will help to both expand our capabilities and extend the reach of our products worldwide. The McDowell team looks forward to combining the skills, technology and market reach of both companies."

Information about McDowell Research, Ltd. is available at the company's web site, www.mcdowellresearch.com.

About Ultralife Batteries, Inc.

Ultralife is a global provider of high-energy power systems for diverse applications. The company develops, manufactures and markets a wide range of non-rechargeable and rechargeable batteries, charging systems and accessories for use in military, industrial and consumer portable electronic products. Through its portfolio of standard products and engineered solutions, Ultralife is at the forefront of providing the next generation of power systems. Industrial, retail and government customers include General Dynamics, Philips Medical Systems, General Motors, Energizer, Kidde Safety, Lowe's, Radio Shack and the national defense agencies of the United States, United Kingdom, Germany and Australia, among others.

Ultralife's headquarters, principal manufacturing and research facilities are in Newark, New York, near Rochester. Ultralife Batteries (UK) Ltd., a second manufacturing facility, is located in Abingdon, England. Both facilities are ISO-9001 certified. Detailed information on Ultralife is available at the company's web site, www.ultralifebatteries.com.

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

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