

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

| OMB APPROVAL | |
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| | | | |
|---|---|--|---|
| 1. Name and Address of Reporting Person* <u>Meek Philip</u> (Last) (First) (Middle) 2000 TECHNOLOGY PARKWAY (Street) NEWARK NY 14513 (City) (State) (Zip) | 2. Date of Event Requiring Statement (Month/Day/Year) 05/03/2004 | 3. Issuer Name and Ticker or Trading Symbol <u>ULTRALIFE BATTERIES INC [ULBI]</u> | |
| | | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) VP of Manufacturing | 5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
|---------------------------------|---|--|---|

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|-----------------|---|----------------------------|--|--|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | |
| Common Stock (Right to Buy) | 09/01/2004 | 09/01/2005 | Common Stock, \$.10 par value | 600 | 4.625 | D | |
| Common Stock (Right to Buy) | (1) | 06/02/2006 | Common Stock, \$.10 par value | 2,000 ⁽¹⁾ | 7.375 | D | |
| Common Stock (Right to Buy) | (2) | 03/19/2007 | Common Stock, \$.10 par value | 1,800 ⁽²⁾ | 6.0938 | D | |
| Common Stock (Right to Buy) | (3) | 04/10/2008 | Common Stock, \$.10 par value | 8,000 ⁽³⁾ | 3.39 | D | |
| Common Stock (Right to Buy) | (4) | 04/03/2009 | Common Stock, \$.10 par value | 10,000 ⁽⁴⁾ | 4.15 | D | |

Explanation of Responses:

- This option vests as follows: 1,000 shares on 6/2/04; 1000 shares on 6/2/05.
- This option vests as follows: 600 shares on 3/19/04; 600 shares on 3/19/05; 600 shares on 3/19/06.
- This option vests as follows: 2,000 shares on 4/10/04; 2,000 shares on 4/10/05; 2,000 shares on 4/10/06; and 2,000 shares on 4/10/07.
- This option vests as follows: 2,000 shares on 4/3/04; 2,000 shares on 4/3/05; 2,000 shares on 4/3/06; 2,000 shares on 4/3/07 and 2,000 shares on 4/3/08.

Remarks:

Robert W. Fishback by
authority of Philip M. Meek 05/06/2004

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 5 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

CONFIRMING STATEMENT

This Statement confirms that the undersigned, PHILIP M. MEEK has authorized and designated either Peter F. Comerford or Robert Fishback to execute and file on the undersigned's behalf Form 3's, Form 4's or Form 5's with the U.S. Securities and Exchange Commission through and until, December 31, 2004, that the undersigned is required or entitled to file with the U.S. Securities and Exchange Commission as a result of changes in the undersigned's ownership of securities of Ultralife Batteries, Inc. The undersigned acknowledges that Peter F. Comerford or Robert Fishback are not assuming any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

Date: May 3, 2004

/s/ Philip M. Meek
PHILIP M. MEEK