

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <b>BARRON PATRICIA C</b>  (Last) (First) (Middle) <b>2000 TECHNOLOGY PARKWAY</b>  (Street) <b>NEWARK NY 14513</b>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b>ULTRALIFE BATTERIES INC [ ULBI ]</b>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <b>08/22/2005</b>	
		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 Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock, \$.10 par value	08/22/2005		M		1,500	A	\$6.9375	15,827	D	
Common Stock, \$.10 par value	08/22/2005		M		1,500	A	\$6.5	17,327	D	
Common Stock, \$.10 par value	08/22/2005		M		1,500	A	\$6.25	18,827	D	
Common Stock, \$.10 par value	08/22/2005		M		1,500	A	\$4.49	20,037	D	
Common Stock, \$.10 par value	08/22/2005		M		3,000	A	\$10	23,327	D	
Common Stock, \$.10 par value	08/22/2005		M		3,000	A	\$12.38	26,327	D	
Common Stock, \$.10 par value	08/22/2005		M		3,000	A	\$10.17	29,327	D	
Common Stock, \$.10 par value	08/22/2005		S		2,000	D	\$12.91	27,327	D	
Common Stock, \$.10 par value	08/22/2005		S		1,500	D	\$12.878	25,827	D	
Common Stock, \$.10 par value	08/22/2005		S		3,500	D	\$12.83	22,327	D	
Common Stock, \$.10 par value	08/22/2005		S		3,320	D	\$12.8	19,007	D	
Common Stock, \$.10 par value								1,200	I	Held jointly with spouse

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					
Stock Option (Right to Buy)	\$6.9375	08/22/2005		M			1,500	03/31/2001	03/31/2006	Common Stock; \$.10 par value	\$0	0	D	
Stock Option (Right to Buy)	\$6.5	08/22/2005		M			1,500	06/29/2001	06/29/2006	Common Stock; \$.10 par value	\$0	0	D	
Stock Option (Right to Buy)	\$6.25	08/22/2005		M			1,500	09/28/2001	09/28/2006	Common Stock; \$.10 par value	\$0	0	D	

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned  
(e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Stock Option (Right to Buy)	\$4.49	08/22/2005		M			1,500	12/31/2001	12/31/2006	Common Stock; \$.10 par value	1,500	\$0	0	D	
Stock Option (Right to Buy)	\$10	08/22/2005		M			3,000	06/30/2003	06/30/2008	Common Stock; \$.10 par value	3,000	\$0	0	D	
Stock Option (Right to Buy)	\$12.38	08/22/2005		M			3,000	12/31/2003	12/31/2008	Common Stock; \$.10 par value	3,000	\$0	0	D	
Stock Option (Right to Buy)	\$10.17	08/22/2005		M			3,000	09/30/2004	09/30/2011	Common Stock; \$.10 par value	3,000	\$0	0	D	

Explanation of Responses:

Remarks:

/s/ Peter F. Comerford,  
 Attorney-in-fact for Patricia C. Barron 08/24/2005  
Barron

\*\* 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 4 (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.