

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

SCHEDULE 13D/A

UNDER THE SECURITIES EXCHANGE ACT OF 1934  
(Amendment No. 6)

Ultralife Corporation  
(Name of Issuer)

COMMON STOCK, par value \$.10  
(Title of Class of Securities)

903899102  
(CUSIP Number)

Jerald A. Trannel  
407 S. Third Street  
Suite 230  
Geneva, IL 60134  
Telephone: (630) 588-7200  
(Name, Address and Telephone Number of Person Authorized to  
Receive Notices and Communications)

May 20, 2011  
(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on  
Schedule 13G to report the acquisition which is the subject  
of this Schedule 13D, and is filing this schedule because  
of Section 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g),  
check the following box. [ ]

NOTE: Schedules filed in paper format shall include a  
signed original and five copies of the schedule, including  
all exhibits. See Section 240.13d-7(b) for other parties  
to whom copies are to be sent.

The remainder of this cover page shall be filled out for a  
reporting person's initial filing on this form with respect  
to the subject class of securities, and for any subsequent  
amendment containing information which would alter  
disclosures provided in a prior cover page.

The information required on the remainder of this cover  
page shall not be deemed to be "filed" for the purpose of  
Section 18 of the Securities Exchange Act of 1934 ("Act")  
or otherwise subject to the liabilities of that section of  
the Act but shall be subject to all other provisions of the  
Act (however, see the Notes).

2  
Schedule 13D/A

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1. Names of Reporting Person  
S.S. OR I.R.S. Identification No. of Above Persons  
Grace Brothers, Ltd.
2. Check the Appropriate Box if a Member of a Group (See  
instructions)  
(a) [ ]  
(b) [ ]
3. SEC Use Only
4. Source of Funds (See instructions)  
00
5. Check if Disclosure of Legal Proceedings is Required  
Pursuant to Items 2(d) or 2(e) [ ]
6. Citizenship or Place of Organization

Illinois Limited Partnership

7 Sole Voting Power

Number of	0
Shares	8 Shared Voting Power
Beneficially	518,616 shares
Owned by	
Each	
Reporting	9 Sole Dispositive Power
Person	0
With	10 Shared Dispositive Power
	518,616 shares

11. Aggregate Amount Beneficially Owned by Each Reporting Person

518,616 shares

12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See instructions) [  ]

13. Percent of Class Represented by Amount in Row (11)

3.0%

14. Type of Reporting Person (See instructions)

PN

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1. Names of Reporting Person  
S.S. OR I.R.S. Identification No. of Above Persons

Bradford T. Whitmore

2. Check the Appropriate Box if a Member of a Group (See instructions)

(a)   
(b)

3. SEC Use Only

4. Source of Funds (See instructions)  
PF

5. Check if Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e)

6. Citizenship or Place of Organization  
United States

	7 Sole Voting Power
Number of Shares Beneficially Owned by Each Reporting Person With	4,598,844
	8 Shared Voting Power
	518,616
	9 Sole Dispositive Power
	4,598,844
	10 Shared Dispositive Power
	518,616

11. Aggregate Amount Beneficially Owned by Each Reporting Person

5,117,460

12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See instructions)

13. Percent of Class Represented by Amount in Row (11)

29.6%

14. Type of Reporting Person (See instructions)

IN

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1. Names of Reporting Person  
S.S. OR I.R.S. Identification No. of Above Persons

Spurgeon Corporation

2. Check the Appropriate Box if a Member of a Group (See instructions)

(a)    
(b)

3. SEC Use Only

4. Source of Funds (See instructions)  
00

5. Check if Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e)

6. Citizenship or Place of Organization  
Illinois Corporation

	7 Sole Voting Power
Number of Shares Beneficially Owned by Each Reporting Person With	0
8 Shared Voting Power	518,616 shares
9 Sole Dispositive Power	0
10 Shared Dispositive Power	518,616 shares

11. Aggregate Amount Beneficially Owned by Each Reporting Person

518,616

12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See instructions)

13. Percent of Class Represented by Amount in Row (11)

3.0%

14. Type of Reporting Person (See instructions)  
CO

The undersigned hereby amends its Schedule 13D as filed on June 7, 2006 relating to the Common Stock of Ultralife Corporation. Unless otherwise indicated, all capitalized terms used herein but not defined herein shall have the same meaning as set forth in the Schedule 13D. Except as set forth herein, the Schedule 13D, as previously amended, remains unchanged.

#### Item 4. Purpose of Transaction

On May 20, 2011, Bradford T. Whitmore purchased 4,000,000 shares of Common Stock held by Grace in a private transaction at a market price of \$4.50 per share. The transaction was effected to reduce the investment exposure held by Grace, while at the same time increasing Whitmore's investment position.

The Filers have no plans or proposals which relate to, or would result in, any of the matters referred to in Paragraphs (a) through (j), inclusive, of Item 4 of the Schedule 13D. The Filers may, at any time and from time to time review or reconsider their investment in the Company and formulate plans or proposals with respect thereto, but have no present intention of doing so.

#### Item 5. Interest in Securities of the Issuer

(a) As of the date of this filing, Grace beneficially owns 518,616 shares of Common Stock, representing approximately 3.0% of the outstanding shares of Common Stock. As general partner of Grace, Spurgeon may be deemed beneficial owner of 518,616 shares of Common Stock, or 3.0% of the outstanding shares of Common Stock, although they otherwise disclaim beneficial ownership. As general partner of Grace, Whitmore may be deemed beneficial owner of 518,616 shares of Common Stock, and 4,598,844 shares of Common Stock as direct beneficial owner, or 29.6% of the outstanding shares of Common Stock.

(b) Grace: shared voting power (with Whitmore and Spurgeon)  
518,616 Shares

Whitmore: shared voting power (with Grace and Spurgeon)  
518,616 Shares  
sole voting power 4,598,844 Shares

Spurgeon: shared voting power (with Grace and Whitmore)  
518,616 Shares

(c) The transactions effected by the Filers during the past sixty days are set forth in Schedule A.

## SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, the undersigned certifies that the information set forth in this Statement with respect to it is true, complete and correct.

Dated: May 23, 2011

Grace Brothers, Ltd.

By: /s/ Bradford T. Whitmore  
Name: Bradford T. Whitmore  
Its: General Partner

Bradford T. Whitmore

By: /s/ Bradford T. Whitmore  
Name: Bradford T. Whitmore

Spurgeon Corporation

By: /s/ Jerald A. Trannel  
Name: Jerald A. Trannel  
Its: Vice President

## SCHEDULE A

TRADE ACTIVITY FOR ULTRALIFE CORPORATION EFFECTED BY GRACE BROTHERS, LTD. FOR THE PREVIOUS 60 DAYS.

Amount  
of Date  
Security  
Shares  
Price  
per Sold  
5/20/2011  
Common  
Stock  
4,000,000  
\$4.50

TRADE ACTIVITY FOR ULTRALIFE CORPORATION EFFECTED BY BRADFORD T. WHITMORE FOR THE PREVIOUS 60 DAYS.

Amount  
of Date  
Security  
Shares  
Price  
per  
Purchased  
5/20/2011  
Common  
Stock  
4,000,000  
\$4.50