

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

FORM 5

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

( ) Check box if no longer subject to Section 16.

Form 4 or Form 5 obligations may continue. See Instructions 1(b).

( ) Form 3 Holdings Reported

( ) Form 4 Transactions Reported

1. Name and Address of Reporting Person

McCALL, RONALD D.  
 c/o CryoLife, Inc.  
 1655 Roberts Boulevard, NW  
 Kennesaw, GA 30144  
 USA

2. Issuer Name and Ticker or Trading Symbol

CRYOLIFE, INC.

CRY

3. IRS or Social Security Number of Reporting Person (Voluntary)

4. Statement for Month/Year

12/31/2001

5. If Amendment, Date of Original (Month/Year)

6. Relationship of Reporting Person(s) to Issuer (Check all applicable)

(X) Director ( ) 10% Owner (X) Officer (give title below) ( ) Other  
 (specify below)

Secretary and Treasurer

7. Individual or Joint/Group Reporting (Check Applicable Line)

(X) 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	2. Transaction Date	3. Code	4. Securities Acquired (A) or Disposed of (D)		5. Amount of Securities Beneficially Owned at End of Year	6. Dir (D) or Indir (I)	7. Nature of Indirect Beneficial Ownership
			Amount	A/D			
Common Stock					100,113	D	
					16,000	I	By Spouse

Table II -- Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Derivative Security	2. Conversion or Exercise Price of Derivative	3. Transaction Date	4. Code	5. Number of Derivative Securities Acquired (A) or Disposed of (D)	6. Date Exercisable or Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities	8. Price of Underlying Securities	9. Number of Derivative Securities	10. Nature of Indirect Beneficial Ownership	
									Dir	Indir
Non-qualifying Stock Option	\$31.99	5-17-01	A	10,000	5-17-01	Common Stock	10,000	N/A	10,000	D
Non-qualifying Stock Option	\$31.99	5-18-01	A	7,500	5-18-01	Common Stock	7,500	N/A	7,500	D

Explanation of Responses:

SIGNATURE OF REPORTING PERSON

/s/ Ronald D. McCall

DATE

February 11, 2002