McCall Ronald D Form 4 August 27, 2008

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

30(h) of the Investment Company Act of 1940

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

See Instruction 1(b).

(Print or Type Responses)

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF	

Number: January 31, Expires: 2005

OMB

OMB APPROVAL

3235-0287

Estimated average burden hours per response... 0.5

1. Name and Address of Reporting Person * McCall Ronald D	2. Issuer Name and Ticker or Trading Symbol CRYOLIFE INC [CRY]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) (First) (Middle)	3. Date of Earliest Transaction	` ''			
CRYOLIFE, INC., 1655 ROBERTS BOULEVARD, NW	(Month/Day/Year) 08/26/2008	X_ Director 10% Owner Officer (give title below) Other (specify below)			
(Street)	4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
KENNESAW, GA 30144	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(City)	(State)	(Zip) Tabl	e I - Non-D	erivative	Secur	rities Acqu	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	ansaction Date 2A. Deemed tht/Day/Year) Execution Date, if any (Month/Day/Year)		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) Price			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)
Common Stock	08/26/2008		S	3,000	D	\$ 14.5	137,126	D	
Common Stock	08/26/2008		S	3,000	D	\$ 14.84	134,126	D	
Common Stock							16,000	I	By Spouse

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control

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number.

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

1. Tit	le of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	e and	8. Price of	9. Nu
Deriv	ative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Secur	ity	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr	. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ties	(Instr. 5)	Bene
		Derivative				Securities			(Instr.	3 and 4)		Owne
		Security				Acquired						Follo
		•				(A) or						Repo
						Disposed						Trans
						of (D)						(Instr
						(Instr. 3,						
						4, and 5)						
										Amount		
										Amount		
							Date	Expiration		Or		
							Exercisable	Date		Number of		
					C-J- V	(A) (D)						
					Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

X

Director 10% Owner Officer Other

McCall Ronald D CRYOLIFE, INC. 1655 ROBERTS BOULEVARD, NW KENNESAW, GA 30144

Signatures

/s/ Ronald D. 08/27/2008 McCall

**Signature of Date
Reporting Person

Explanation of Responses:

- * 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. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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