

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

VANDER WYK, PH.D., JAMES C.
1655 Roberts Boulevard, NW
Kennesaw, GA 30144

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

12-31-00

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

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

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

Vice President - Regulatory Affairs & Quality Assurance

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

(X) Form filed by One Reporting Person
() Form filed by More than One Reporting Person

1. Title of Security	2. Transaction Date	3. Code	4. Securities Acquired (A) or Disposed of (D) Amount	5. Amount of Securities Beneficially Owned at End of Year Price	6. Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership
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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) Amount	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities Title and Number of Shares	8. Price of Derivative Security	9. Number of Derivative Securities Beneficially Owned at End of Year	10. Direct (D) or Indirect (I)	11. Nature of Indirect Beneficial Ownership
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Incentive Stock Option (1)	(\$29.15)	12-7-00	A	15,000	12-7-01	Common Stock	15,000	N/A	15,000	D
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Explanation of Responses:

(1) All share amounts and prices have been adjusted to reflect a three-for-two stock split which was effective

December 27, 2000.

(2) Option vests as follows: 805 shares on 12-7-01; 2,556 shares on 12-7-02; 2,556 shares on 12-7-03; 2,556 shares on 12-7-04; 3,431 shares on 12-7-05; and 3,096 shares on 12-7-06.

SIGNATURE OF REPORTING PERSON

/s/ James C. Vander Wyk, Ph.D.

James C. Vander Wyk, Ph.D.

DATE

February 13, 2001