FRIEDMAN JOHN H

Check this box

if no longer

Section 16.

Form 4 or

obligations

may continue.

Form 5

subject to

Form 4

January 27, 2012

FORM 4

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

OMB APPROVAL OMB 3235-0287

Number:

Expires:

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

January 31, 2005

0.5

Estimated average burden hours per

response...

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

2. Issuer Name and Ticker or Trading

Cardiovascular Systems Inc [CSII]

Symbol

SECURITIES

See Instruction 1(b).

(Print or Type Responses)

FRIEDMAN JOHN H

1. Name and Address of Reporting Person *

(Last)	(First)	(Middle)	2 Data a	of Earliest T	'managatian			(Clicci	х ан аррисаотс	•)
(Last)	(First)	(Wilduic)			ransaction			W D'	100	
651 CANE				Day/Year)			-	_X_ Director Officer (give t		Owner er (specify
651 CAMP	PUS DRIVE		01/25/2	2012			- 1	elow)	below)	er (specify
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line)			
ST. PAUL, MN 55112							_	_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Tab	le I - Non-	Derivative	Secur	ities Acqui	ired, Disposed of	, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Da (Month/Day/Year	r) Execution any		3. Transactic Code (Instr. 8)	4. Securit or Dispos (Instr. 3,	ed of		Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock				Code V	Amount	(D)	Price	(Instr. 3 and 4) 8,000	D	
Common Stock	01/25/2012			S	28,429 (1)	D	\$ 9.6786 (2)	152,759	I	Easton Hunt Capital Partners, L.P. (5)
Common Stock	01/26/2012			S	21,355 (1)	D	\$ 9.7641 (3)	131,404	I	Easton Hunt Capital Partners, L.P. (5)

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						d to the collected in this form a		SEC 1474 (9-02)
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.								
Common Stock						421,023	I	Easton Capital Partners, LP (5)
Common Stock	01/27/2012	S	11,738 (1)	D	\$ 9.6657 (4)	119,666	I	Easton Hunt Capital Partners, L.P. (5)

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

number.

required to respond unless the form displays a currently valid OMB control

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. Transacti Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		te	7. Title and Underlying S (Instr. 3 and	Securities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 7.9					<u>(6)</u>	10/08/2017	Common Stock	4,321
Stock Option (right to buy)	\$ 11.38					<u>(6)</u>	11/12/2017	Common Stock	15,088
Stock Option (right to buy)	\$ 8.83					<u>(6)</u>	08/14/2016	Common Stock	38,820
Restricted Stock Units	<u>(7)</u>					<u>(7)</u>	<u>(7)</u>	Common Stock	5,714
	<u>(7)</u>					<u>(7)</u>	<u>(7)</u>		11,628

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Restricted Stock Units				Common Stock	
Restricted Stock Units	<u>(7)</u>	<u>(7)</u>	<u>(7)</u>	Common Stock	21,739
Restricted Stock Units	<u>(8)</u>	(8)	(8)	Common Stock	7,192
Warrant (Right to Buy)	\$ 9.28	09/12/2008	09/12/2013	Common Stock	107,833
Warrant (Right to Buy)	\$ 8.83	02/25/2009	02/24/2014	Common Stock	151,617
Warrant (Right to Buy)	\$ 8.83	02/25/2009	02/24/2014	Common Stock	151,617

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
FRIEDMAN JOHN H							
651 CAMPUS DRIVE	X						
ST. PAUL, MN 55112							

Signatures

/s/ Scott J. Dorfman as Attorney-in-Fact for John H. Friedman pursuant to Power of Attorney previously filed.

01/27/2012

**Signature of Reporting Person

Date

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).
- (1) The sale of the underlying shares reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by Easton Hunt Capital Partners, L.P. on November 30, 2011.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$9.58 to \$9.81 inclusive. The reporting person undertakes to provide Cardiovascular Systems, Inc., any security holder of Cardiovascular Systems, Inc. or the staff of the Securities and Exchange Commission upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.

Reporting Owners 3

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- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$9.70 to \$9.86 inclusive. The reporting person undertakes to provide Cardiovascular Systems, Inc., any security holder of Cardiovascular Systems, Inc. or the staff of the Securities and Exchange Commission upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$9.56 to \$9.79 inclusive. The reporting person undertakes to provide Cardiovascular Systems, Inc., any security holder of Cardiovascular Systems, Inc. or the staff of the Securities and Exchange Commission upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- (5) Mr. Friedman disclaims beneficial ownership of shares held by Easton Hunt Capital Partners, L.P. and Easton Capital Partners, LP except to the extent of his pecuniary interest therein.
- (6) Fully exercisable.
- Each restricted stock unit represents the right to receive a payment from CSI equal in value to the market price per share of CSI common stock on the date of payment and shall be payable in shares of the Company's Common Stock beginning six months following the termination of each director's board membership.
- Each restricted stock unit represents the right to receive a payment from CSI equal in value to the market price per share of CSI common stock on the date of payment, and shall be payable in cash or shares of the Company's Common Stock beginning six months following the termination of each director's board membership; provided, however, that the restricted stock units vest in remaining quarterly amounts of 1,798 on each of 3/31/2012 and 6/30/2012.
- (9) Mr. Friedman disclaims beneficial ownership of warrants held by Easton Hunt Capital Partners, L.P. and Easton Capital Partners, LP except to the extent of his pecuniary interest therein.

Remarks:

Remarks: The options and restricted stock units are held for the benefit of Easton Hunt Capital Partners, L.P. and Easton Capital

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.