

Kraus Scott William
 Form 3
 April 16, 2009

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Kraus Scott William		(Month/Day/Year)	Cardiovascular Systems Inc [CSII]	
(Last)	(First)	(Middle)	04/06/2009	
1175 SEATON ROSS ROAD			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
WAYNE, PA 19087			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Form filed by One Reporting Person
			(give title below) (specify below)	<input type="checkbox"/> Form filed by More than One Reporting Person
			VP Sales	

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	34,750	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Title	Amount or Number of		

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				Shares		(I) (Instr. 5)	
Stock Option (right to buy)	Â (1)	10/02/2011	Common Stock	25,880	\$ 8.83	D	Â
Stock Option (right to buy)	Â (2)	04/17/2017	Common Stock	3,235	\$ 8.83	D	Â
Stock Option (right to buy)	Â (3)	08/06/2017	Common Stock	9,705	\$ 7.9	D	Â
Warrant	02/25/2009	02/24/2014	Common Stock	3,197	\$ 8.83	D	Â
Warrant	02/25/2009	02/24/2014	Common Stock	2,537	\$ 8.83	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Kraus Scott William 1175 SEATON ROSS ROAD WAYNE, PA 19087	Â	Â	Â VP Sales	Â

Signatures

/s/ Scott W. Kraus 04/16/2009

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) Exercisable: 8,627 on 10/3/07 and 10/03/08 and 8,626 on 10/03/09.
- (2) Exercisable: 1,079 on 4/18/08 and 1,078 on 4/18/09 and 4/18/10.
- (3) Exercisable: 3,235 on 8/7/08, 8/7/09 and 8/7/10.

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.