FORM 4

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

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL
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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 Resp	onses)										
1. Name and Addro Rooke Andrew l	2. Issuer I Symbol MRI INT [MRIC]					5	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)X DirectorX 10% Owner Officer (give title Other (specify below)				
(Last) C/O MRI INTE INC., ONE CON STE 2550	3. Date of I (Month/Da 12/31/20)	y/Year)	rans	action			below)				
MEMPHIS, TN	4. If Amen Filed(Month		ate (Original		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person					
(City)		ip)	Table I	Non D	lowis:	otivo Coo		na A aa	Form filed by More		
1.Title of Security 2. Transaction Date (Month/Day/Year) Execution (Month/Day/Year)			3. Transaction Code		4. Securities Acquired (A) or Disposed of (D)			5. Amount of Securities Beneficially Owned	6. Ownership Form:	7. Nature of	
				Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	or Indirect (I) (Instr. 4)	(Instr. 4)
Common Stock	12/31/2013			A		4,135	A	\$ 1.33 (1)	941,416	D	
Common Stock									186,304	I	By trust
Common Stock									186,304	I	By trust
Common Stock									186,304	I	By trust
Common Stock									186,304	I	By trust
Common Stock									104,077	I	By trust
Common Stock									104,077	I	By trust
Common Stock									104,077	I	By trust
Common Stock									104,077	I	By trust
Common Stock									104,077	I	By trust
Common Stock									104,077	I	By trust
Common Stock									104,077	I	By trust
Common Stock									104,077	I	By trust
Common Stock									260,102	I	By Withington Foundation
Common Stock									500,000	I	By Payne Partners LLC
Common Stock									2,058,207	I	By Rooke Fiduciary Management
Reminder: Report of directly or indirectly	on a separate line for	each cla	ass of securi	ties benef	ficia	lly owned					
					i r	nformat equired	ion c	ontai espon	ond to the collecti ned in this form and d unless the form B control number	re not displays a	SEC 1474 (9-02)

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

1. Title of	2.	3. Transaction	3A. Deemed	4.	5.	6. Date Exercisable	7. Title and	8. Price of	9. Number of	10.	11. Nature
Derivative	Conversion	Date	Execution Date, if	Transaction	Number	and Expiration Date	Amount of	Derivative	Derivative	Ownership	of Indirect
Security	or Exercise	(Month/Day/Year)	any	Code	of	(Month/Day/Year)	Underlying	Security	Securities	Form of	Beneficial
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative		Securities	(Instr. 5)	Beneficially	Derivative	Ownership
	Derivative				Securities		(Instr. 3 and		Owned	Security:	(Instr. 4)
	Security				Acquired		4)		Following	Direct (D)	

		(A) of Dispo of (D (Instr 4, and	osed) :. 3,					Transaction(s)	or Indirect (I) (Instr. 4)		
	Code	v	(A)			Expiration Date	Title	Amount or Number of Shares			

Reporting Owners

Departing Owner Name / Address	Relationships						
Reporting Owner Name / Address	Director	10% Owner	Officer	Other			
Rooke Andrew K. C/O MRI INTERVENTIONS, INC. ONE COMMERCE SQUARE, STE 2550 MEMPHIS, TN 38103	X	X					

Signatures

/s/ Oscar Thomas, by Power of Attorney for Andrew K. Rooke	01/03/2014	
- 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).
- These shares were issued to the reporting person pursuant to the issuer's Non-Employee Director Compensation Plan, in payment of fees (1) owed to the reporting person under such plan. The shares were issued at a price of \$1.33 per share, representing the volume-weighted average price of the issuer's common stock for the 5-trading day period ending December 31, 2013.

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.