

EMCORE CORP  
Form 4  
March 15, 2006

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
Expires: January 31, 2005  
Estimated average burden hours per response... 0.5

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**

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 \*  
**BRODIE HOWARD W**

(Last) (First) (Middle)

**C/O EMCORE CORPORATION, 145 BELMONT DRIVE**

(Street)

**SOMERSET, NJ 08873**

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**EMCORE CORP [EMKR]**

3. Date of Earliest Transaction (Month/Day/Year)  
**03/13/2006**

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
**Chief Legal Officer**

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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 Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	03/13/2006		M		10,345	A	\$ 6.6875
Common Stock	03/13/2006		S		10,345	D	\$ 8.15
Common Stock	03/13/2006		M		5,083	A	\$ 6.6875
Common Stock	03/13/2006		S		5,083	D	\$ 8.37
Common Stock	03/13/2006		M		11,490	A	\$ 6.6875

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Common Stock	03/13/2006	S	11,490	D	\$ 8.33	0	D
Common Stock	03/13/2006	M	3,427	A	\$ 6.6875	3,427	D
Common Stock	03/13/2006	S	3,427	D	\$ 8.32	0	D
Common Stock	03/13/2006	M	5,000	A	\$ 6.6875	5,000	D
Common Stock	03/13/2006	S	5,000	D	\$ 8.4	0	D
Common Stock	03/13/2006	M	900	A	\$ 6.6875	900	D
Common Stock	03/13/2006	S	900	D	\$ 8.39	0	D
Common Stock	03/14/2006	M	14,100	A	\$ 6.6875	14,100	D
Common Stock	03/14/2006	S	14,100	D	\$ 8.56	0	D

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

**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.**

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 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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 6.6875	03/13/2006		M	36,245	(1) 09/29/2009	Common Stock	36,245	
Employee Stock	\$ 6.6875	03/14/2006		M	14,100	(1) 09/29/2009	Common Stock	14,100	

Option  
(right to  
buy)

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BRODIE HOWARD W C/O EMCORE CORPORATION 145 BELMONT DRIVE SOMERSET, NJ 08873			Chief Legal Officer	

## Signatures

/s Howard  
Brodie

03/15/2006

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 Option vested in five equal installments beginning on 9/29/2000
  - (2) Stock Option Grant

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.