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

FORM 4

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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(f) of the Investment Company Act of 1940

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

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1. Name and Address of Reporting Person\*

Stall, Richard A.

-----  
(Last, First Middle)

c/o EMCORE Corporation, 394 Elizabeth Avenue

-----  
(Street)

Somerset, New Jersey 08873

-----  
(City, State Zip)

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2. Issuer Name and Ticker or Trading Symbol

EMCORE Corporation (EMKR)

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3. IRS or Social Security Number of Reporting Person (Voluntary)

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4. Statement for Month/Year

December 1998

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

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

[ X ] Director [ ] 10% Owner  
[ X ] Officer (give title below) [ ] Other (specify below)  
Vice President  
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=====

7. Individual or Joint/Group Filing (Check applicable line)

[ X ] Form filed by one Reporting Person  
[ ] Form filed by more than one Reporting Person

\* If the form is filed by more than one reporting person,  
see Instruction 4(b)(v).

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

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<TABLE>  
<CAPTION>

4.  
Securities Acquired (A) or  
Disposed of (D)  
Transaction (Instr. 3, 4 and 5)

1. Title of Security (Instr. 3)	2. Transaction Date (mm/dd/yy)	Code (Instr. 8)		Amount	(A) or (D)	Price
		Code	V			
<S> (1) Common Stock \$14.375	<C> 12/08/98	<C> S	<C>	<C> 5,000	<C> D	<C>
(2) Common Stock \$14.375	12/09/98	S		5,000	D	
(3) Common Stock \$14.375	12/10/98	S		5,000	D	
(4) Common Stock \$14.375	12/17/98	S		5,000	D	
(5) Common Stock	12/22/98	S		5,000	D	\$17.50

Table I (cont.) -- Non-Derivative Securities Acquired, Disposed of,  
or Beneficially Owned

1. Title of Security (Instr. 3)	5. Amount of Securities Beneficially Owned at End of Month (Instr. 3 and 4)	6. Owner- ship Form: Direct (D) or Indirect (I) (Instr.4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
<S> (1) Common Stock	<C> 43,363	<C> D	<C>
(2) Common Stock	43,363	D	
(3) Common Stock	43,363	D	
(4) Common Stock	43,363	D	
(5) Common Stock	43,363	D	

</TABLE>

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

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

<TABLE>

<CAPTION>

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (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)
			Code ----- V	A) (D)	----- Date Exer- cisable tion Date
<S> (1)	<C>	<C>	<C>	<C>	<C>

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

