

8 SHARED DISPOSITIVE POWER
1,960,469*

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH
REPORTING PERSON
2,151,244*

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
CERTAIN SHARES ()

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
21.5%

12 TYPE OF REPORTING PERSON
IN

* See footnote on page 4.

1 NAME OF REPORTING PERSONS
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS

The AER 1997 Trust

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (x)
(b) ()

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
Florida

NUMBER OF 5 SOLE VOTING POWER
SHARES 1,960,469
BENEFICIALLY
OWNED BY EACH
REPORTING
PERSON WITH

6 SHARED VOTING POWER
0

7 SOLE DISPOSITIVE POWER
1,960,469

8 SHARED DISPOSITIVE POWER
0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH
REPORTING PERSON
1,960,469

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
CERTAIN SHARES ()

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
19.9%

12 TYPE OF REPORTING PERSON
OO

ITEM 1(A). NAME OF ISSUER:
EMCORE Corporation

ITEM 1(B). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

394 Elizabeth Avenue
Somerset, New Jersey 08873

ITEM 2(A). NAME OF PERSON FILING:

This statement is filed on behalf of:

- (a) Thomas J. Russell
- (b) The AER 1997 Trust

ITEM 2(B). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

The principal business address of the Reporting Persons is:

(a) Thomas J. Russell:
Two North Tamiami Trail
Suite 1200
Sarasota, Florida 34236

(b) The AER 1997 Trust:
c/o Thomas J. Russell
Two North Tamiami Trail
Sarasota, Florida 34236

ITEM 2(C). CITIZENSHIP:

- (a) Thomas J. Russell: Florida
- (b) The AER 1997 Trust: New York

ITEM 2(D). TITLE OF CLASS OF SECURITIES:

Common Stock, no par value.

* Includes 1,446,559 shares and warrants to purchase 513,910 shares held by The AER 1997 Trust. Thomas J. Russell is one of three trustees of The AER 1997 Trust. Such trustees share authority over the assets of the trust. These shares and warrants wer acquired prior to the time that EMCORE Corporation common stock was registered under the Securities and Exchange Act of 1934.

ITEM 2 (E) . CUSIP NUMBER:
290846104

ITEM 3. Not applicable.

ITEM 4. OWNERSHIP.

Entity	Amount Beneficially Owned	Percent of Class	Sole Voting Power	Shared Voting Power	Sole Dispositive Power	Shared Dispositive Power
Thomas J. Russell	2,151,244 (a)	21.5%	190,775	1,960,469 (a)	190,775	1,960,469 (a)
The AER 1997 Trust	1,960,469	19.9%	1,960,469	0	1,960,469	0

(a) Includes 1,446,559 shares and warrants to purchase 513,910 shares held by The AER 1997 Trust. Thomas J. Russell is one of three trustees of The AER 1997 Trust. Such trustees share authority over the assets of the trust.

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

Not applicable.

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

Not applicable.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.

Not applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

Not applicable.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP.

Not applicable.

ITEM 10. CERTIFICATION.

Not applicable.

SIGNATURE

After reasonable inquiry and to the best of the knowledge and belief of the undersigned, the undersigned certify that the information set forth in this statement is true, complete and correct.

February 10, 1998

Thomas J. Russell

Name: Thomas G. Werthan
Title: Attorney-in-fact

The AER 1997 Trust

Name: Thomas G. Werthan
Title: Attorney-in-fact