SCHEDULE 13G

INFORMATION STATEMENT PURSUANT TO RULES 13d-1 AND 13d-2(1)

(1) The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

EMCORE CORPORATION (Name of issuer)

Common Stock, no par value (Title of class of securities)

290846104 (CUSIP number)

Check the following box if a fee is being paid with this statement(). (A fee is not required only if the filing person: (1) has a previous statement on file reporting beneficial ownership of more than five percent of the class of securities described in Item 1; and (2) has filed no amendment subsequent thereto reporting beneficial ownership of five percent or less of such class.) (See Rule 13d-7.)

(CONTINUED ON FOLLOWING PAGE(S))

(Page 1 of 6 Pages)

 CUSIP No. 	290846		13G	:	Page 2 0		Pages
	1	NAME OF REPORTING PEI S.S. OR I.R.S. IDENT Robert Louis-Dreyfus	RSONS	ON NO. OF ABOVE PE			
	2	CHECK THE APPROPRIATI				(a)	(x) ()
	3	SEC USE ONLY					
	4	CITIZENSHIP OR PLACE [Switzerland]	OF ORG2	ANIZATION			
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		5	SOLE VOTING POWER 0			
			6	SHARED VOTING POW 1,650,045	 ER*		

		7	SOLE DISPOSITIVE POWER 0	
	-	8	SHARED DISPOSITIVE POWER* 1,650,045	
9	AGGREGATE AMOUNT REPORTING PERSON 1,650,045*	BENEFICIAL	LY OWNED BY EACH	
10	CHECK BOX IF THE CERTAIN SHARES	AGGREGATE 2	AMOUNT IN ROW (9) EXCLUDES	()
11	PERCENT OF CLASS 16.9%	REPRESENTEI	D BY AMOUNT IN ROW 9	
12	TYPE OF REPORTING IN	G PERSON		

 \star See footnote on page 4.

1	NAME OF REPORTING PERSONS S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS						
	Gallium Enterprises Inc.						
2				(a) (x) (b) ()			
3	SEC USE ONLY						
	CITIZENSHIP OR PI [New York]	LACE OF ORG	ANIZATION				
NUMBER SHAF BENEFIC OWNED BY REPORT PERSON	RES CIALLY X EACH FING	5	SOLE VOTING POWER 1,650,045				
		6	SHARED VOTING POWER 0				
		7	SOLE DISPOSITIVE POWER 1,650,045				
		8	SHARED DISPOSITIVE POWE 0	 ER			
9	AGGREGATE AMOUNT REPORTING PERSON 1,650,045		LY OWNED BY EACH				
10	CHECK BOX IF THE CERTAIN SHARES	AGGREGATE	AMOUNT IN ROW (9) EXCLUI	DES ()			
11	PERCENT OF CLASS 16.9%	REPRESENTE	d by amount in row 9				
	TYPE OF REPORTING						

- 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) Robert Louis-Dreyfus(b) Gallium Enterprises Inc.
- ITEM 2(B). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

The principal business address of the Reporting Persons is:

- (a) Robert Louis-Dreyfus: Gallium Enterprises Inc. c/o Harborstone Capital 152 West 57th Street 21st Floor New York, New York 10019
- (b) Gallium Enterprises Inc. c/o Harborstone Capital 152 West 57th Street 21st Floor New York, New York 10019
- ITEM 2(C). CITIZENSHIP:
 - (a) Robert Louis-Dreyfus: Switzerland
 - (b) Gallium Enterprises, Inc.: British Virgin Islands
- ITEM 2(D). TITLE OF CLASS OF SECURITIES:

Common Stock, no par value.

* Consists of 1,217,510 shares and warrants to purchase 432,535 shares held by Gallium Enterprises Inc. Gallium Enterprises Inc. is controlled by Robert Louis-Dreyfus. These shares and warrants were acquired prior to the time that EMCORE Corporation common stock was registered under the Securities and Exchange Act of 1934.

(Page 4 of 6 Pages)

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
Robert Louis- Dreyfus	1,650,045(a)	16.9%	-0-	1,650,045(a)	-0-	1,650,045(a)
Gallium Enterprises, Inc.	1,650,045(a)	16.9%	1,650,045	-0-	1,650,045	-0-

(a) Consists of 1,217,510 shares and warrants to purchase 432,535 shares held by Gallium Enterprises Inc. Gallium Enterprises Inc. is controlled by Robert Louis-Dreyfus.

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.

(Page 5 of 6 Pages)

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

Robert Louis-Dreyfus

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

Gallium Enterprises Inc.

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

(Page 6 of 6 Pages)