

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT
PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported) January 11, 2000

EMCORE CORPORATION

(Exact name of registrant as specified in charter)

New Jersey	0-22175	22-2746503
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State or other jurisdiction of incorporation	(Commission File Number)	(IRS Employer Identification No.)
394 Elizabeth Avenue, Somerset, New Jersey		08873
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(Address of principal offices)		(Zip Code)

Registrant's telephone number including area code (732) 271-9090

(Former name or former address, if changed since last report) NOT APPLICABLE

Item 5. OTHER EVENTS

RECENT DEVELOPMENTS

In January 2000, we signed a Memorandum of Understanding with JDS Uniphase Corporation ("JDS"). Under this Memorandum of Understanding, we and JDS will, upon execution of a final agreement, jointly develop, manufacture and market a family of fiberoptic array transceivers based on our laser technology that facilitate light to logic (electronic signal in/modulated light signal out) for fiberoptic communications solutions used in switches, routers and computer backplanes. We will manufacture VCSEL arrays and design gigabit speed control circuits, photodetectors, optical links and other components. JDS will design and develop the optical packaging for the products and handle all marketing and worldwide sales and distribution. We intend that the initial product jointly developed and commercialized in our alliance with JDS will be an array transceiver with twelve channels each operating at 1.25 Gigabits/second, yielding a compact, high speed data link. These products are designed to make possible short distance links between dense wavelength division multiplexing systems (DWDM), high speed routers and SONET (long-haul telecommunications) equipment.

It is expected that JDS will place an initial purchase order upon the signing of the agreement. The terms and conditions of delivery will be finalized upon completion of development of the product. We expect to begin shipments of an array transceiver by the second calendar quarter.

In January 2000, we entered into a three-year supply agreement with Agilent Technologies, Inc., a leading supplier of fiberoptic transceivers and integrated circuits for infrastructure products for the Internet. Under this agreement, we will manufacture Gigarray(R) VCSEL arrays for use in parallel optical transceivers. The initial purchase order under the agreement is contingent upon our development of a component that meets Agilent's specifications. We expect to begin shipping sample products in June 2000 with full commercial shipments commencing by year end.

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

EMCORE CORPORATION
(Registrant)

By: /s/ Thomas G. Werthan

Thomas G. Werthan
Chief Financial Officer

Dated: February 16, 2000