

ARROWHEAD RESEARCH CORP  
 Form 4  
 May 27, 2005

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
 FRYKMAN EDWARD W

2. Issuer Name and Ticker or Trading Symbol  
 ARROWHEAD RESEARCH CORP  
 [ARWR]

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

(Last) (First) (Middle)  
 1118 EAST GREEN STREET  
 (Street)

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 05/25/2005

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

PASADENA, CA 91106  
 (City) (State) (Zip)

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

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 <sup>(1)</sup>	05/25/2005		X		30,000	A	\$ 1.5
					70,000 <sup>(1)</sup>	D	

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

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SEC 1474  
 (9-02)

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

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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
Common Stock Purchase Warrant (Right to Buy)	\$ 1.5	05/25/2005		X	30,000	01/12/2004 06/14/2005		common stock	30,000
Common Stock Purchase Warrant (Right to Buy)	\$ 1.5	05/25/2005		S	20,000	01/12/2004 06/14/2005		common stock	20,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
FRYKMAN EDWARD W 1118 EAST GREEN STREET PASADENA, CA 91106	X			

## Signatures

Edward W. Frykman  
05/25/2005

\*\*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) Shares acquired upon exercise of stock purchase warrants in anticipation of redemption of warrants by the Company on June 15, 2005. Mr. Frykman owned 40,000 shares of common stock, 50,000 stock purchase warrants and 60,000 stock purchase warrants prior to this transaction. After the transaction, he owns 70,000 shares of common stock and 60,000 stock options granted in connection with his service as a director of the Company.

(2) Warrant granted in connection with the formation of the Company in connection with Mr. Frykman's service as a director of the Company.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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