

Myszkowski Kenneth Allen
 Form 3
 April 15, 2010

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0104
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

INITIAL STATEMENT OF 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)

| | | | | | |
|--|---|--|--|---|--|
| <p>1. Name and Address of Reporting Person *</p> <p>^ Myszkowski Kenneth Allen</p> <p>(Last) (First) (Middle)</p> <p>ARROWHEAD RESEARCH CORPORATION, ^ 201 S. LAKE AVE., SUITE 703</p> <p>(Street)</p> <p>PASADENA, ^ CA ^ 91101</p> <p>(City) (State) (Zip)</p> | <p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>11/16/2009</p> | <p>3. Issuer Name and Ticker or Trading Symbol</p> <p>ARROWHEAD RESEARCH CORP [ARWR]</p> | <p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner</p> <p><input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other</p> <p>(give title below) (specify below)</p> <p>CFO</p> | <p>5. If Amendment, Date Original Filed(Month/Day/Year)</p> | <p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person</p> <p><input type="checkbox"/> Form filed by More than One Reporting Person</p> |
|--|---|--|--|---|--|

Table I - Non-Derivative Securities Beneficially Owned

| | | | |
|--|--|---|--|
| <p>1. Title of Security (Instr. 4)</p> | <p>2. Amount of Securities Beneficially Owned (Instr. 4)</p> | <p>3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)</p> | <p>4. Nature of Indirect Beneficial Ownership (Instr. 5)</p> |
|--|--|---|--|

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

SEC 1473 (7-02)

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

| | | | | | |
|---|---|---|---|---|--|
| <p>1. Title of Derivative Security (Instr. 4)</p> | <p>2. Date Exercisable and Expiration Date (Month/Day/Year)</p> <p>Date Exercisable Expiration Date</p> | <p>3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)</p> <p>Title Amount or Number of</p> | <p>4. Conversion or Exercise Price of Derivative Security</p> | <p>5. Ownership Form of Derivative Security: Direct (D)</p> | <p>6. Nature of Indirect Beneficial Ownership (Instr. 5)</p> |
|---|---|---|---|---|--|

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| | | | | Shares | | or Indirect (I) (Instr. 5) | |
|--------------|---------------------------|------------|-----------------|---------|---------|----------------------------------|---|
| Stock Option | 05/16/2010 ⁽¹⁾ | 11/16/2019 | Common Stock | 250,000 | \$ 0.7 | D | Â |
| Stock Option | 04/01/2010 ⁽²⁾ | 03/04/2020 | Common Stock | 80,000 | \$ 0.52 | D | Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Myszkowski Kenneth Allen ARROWHEAD RESEARCH CORPORATION 201 S. LAKE AVE., SUITE 703 PASADENA, CA 91101 | Â | Â | Â CFO | Â |

Signatures

Kenneth Allen
Myszkowski

04/12/2010

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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).
- Vesting of 125,000 shares begins on May 16, 2010, at which time 15,632 shares vest; the balance vests on the first of each month
- (1) thereafter in equal monthly installments of 2,604 shares. Vesting of the remaining 125,000 shares begins on August 1, 2010, at which time 15,632 shares vest; the balance vests on the first of each month thereafter in equal monthly installments of 2,604 shares.
 - (2) Vesting in 24 equal monthly installments beginning on 4/01/10.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.