

DATATRAK INTERNATIONAL INC  
 Form 4/A  
 August 14, 2008

**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 \*  
**BIRO TIMOTHY G**

2. Issuer Name and Ticker or Trading Symbol  
**DATATRAK INTERNATIONAL INC [DATA]**

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

(Last) (First) (Middle)  
 234 BERSHAM DR.  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 08/11/2008

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

HUDSON, OH 44236  
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)  
 08/13/2008

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) |
|----------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                  |                                      |  |                                | (A) or (D) Code V Amount (D) Price                                |   |  |                                   |
| Common Shares, without par value |                                      |  |                                |   | 17,470 <sup>(1)</sup>   | D  |                                   |
| Common Shares, without par value |                                      |  |                                |   | 300 <sup>(1)</sup>  | I  | By Wife                           |

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

**Persons who respond to the collection of information contained in this form are not**

SEC 1474 (9-02)

required to respond unless the form displays a currently valid OMB control number.

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

| 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) | 8. Amount or Number of Shares |                            |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|----------------------------|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable   | Expiration Date   | Title                         | Amount or Number of Shares |
| Director Stock Option (right to buy)       | \$ 2.92 <sup>(1)</sup>                                 |                                      |  |                                |   | 08/28/1998   | 02/28/2008  | Common Shares                 | 2,250 <sup>(2)</sup>       |
| Director Stock Option (right to buy)       | \$ 2.79 <sup>(1)</sup>                                 |                                      |  |                                |   | 04/20/1999   | 07/23/2008  | Common Shares                 | 15,000 <sup>(2)</sup>      |
| Director Stock Option (right to buy)       | \$ 2.5 <sup>(1)</sup>                                  |                                      |  |                                |   | 06/01/2000   | 09/22/2009  | Common Shares                 | 18,750 <sup>(2)</sup>      |
| Director Stock Option (right to buy)       | \$ 3.46 <sup>(1)</sup>                                 |                                      |  |                                |   | 06/01/2001   | 06/01/2010  | Common Shares                 | 18,750 <sup>(3)</sup>      |
| Director Stock Option (right to buy)       | \$ 1.97 <sup>(1)</sup>                                 |                                      |  |                                |   | 06/03/2003   | 06/14/2012  | Common Shares                 | 18,750 <sup>(3)</sup>      |
| Director Stock Option (right to buy)       | \$ 1.97 <sup>(1)</sup>                                 |                                      |  |                                |   | 06/03/2004   | 06/03/2013  | Common Shares                 | 18,750 <sup>(3)</sup>      |

|  |                        |            |  |   |            |            |                  |                     |
|--|------------------------|------------|--|---|------------|------------|------------------|---------------------|
| Director<br>Stock<br>Option<br>(right to<br>buy) | \$ 7.56 <sup>(1)</sup> |            |  |   | 06/02/2005 | 06/02/2014 | Common<br>Shares | 9,375<br><u>(3)</u> |
| Director<br>Stock<br>Option<br>(right to<br>buy) | \$ 7.56 <sup>(1)</sup> |            |  |   | 06/02/2005 | 06/02/2014 | Common<br>Shares | 1,500<br><u>(3)</u> |
| Director<br>Stock<br>Option<br>(right to<br>buy) | \$ 2.2 <sup>(1)</sup>  |            |  |   | 11/13/2007 | 11/13/2017 | Common<br>Shares | 7,587<br><u>(4)</u> |
| Director<br>Stock<br>Option<br>(right to<br>buy) | \$ 1.79 <sup>(1)</sup> |            |  |   | 02/29/2008 | 02/28/2018 | Common<br>Shares | 7,754<br><u>(4)</u> |
| Director<br>Stock<br>Option<br>(right to<br>buy) | \$ 0.69 <sup>(1)</sup> |            |  |   | 05/13/2008 | 05/13/2018 | Common<br>Shares | 8,043<br><u>(4)</u> |
| Director<br>Stock<br>Option<br>(right to<br>buy) | \$ 0.37                | 08/11/2008 |  | A |            |            |                  | 9,484<br><u>(4)</u> |
|  |                        |            |  |   | 08/11/2008 | 08/11/2018 | Common<br>Shares | 9,484               |

## Reporting Owners

| Reporting Owner Name / Address                        | Relationships |           |         |       |
|---|---------------|-----------|---------|-------|
|   | Director      | 10% Owner | Officer | Other |
| BIRO TIMOTHY G<br>234 BERSHAM DR.<br>HUDSON, OH 44236 | X             |           |         |       |

## Signatures

/s/ Timothy G. Biro, by Arthur C. Hall III, his attorney-in-fact, pursuant to Power of Attorney, dated October 28, 2005, on file with the Commission.

08/14/2008

\_\_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) Beneficial ownership of these securities was reported on a previously filed Form 3, Form 4 or Form 5.
- (2) Options were granted under the Company's Amended and Restated 1996 Outside Directors Stock Option Plan in reliance upon the exemption provided by Rule 16b-3.
- (3) Options were granted under the Company's Amended and Restated Outside Directors Stock Option Plan in reliance upon the exemption provided by Rule 16b-3.
- (4) Options were granted under the Company's 2005 Omnibus Equity Plan in reliance upon the exemption provided by Rule 16b-3. The options are fully vested and immediately exercisable.

### Remarks:

THIS AMENDMENT CORRECTS INFORMATION REPORTED INCORRECTLY IN THE REPORTING PERSON'S ORIGINAL REPORT.

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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