Antal James Form 4 June 10, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

Number: 3235-0287

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0.5

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Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

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

1(b).

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * Antal James			2. Issuer Name and Ticker or Trading Symbol CLEVELAND BIOLABS INC [CBLI]					5. Relationship of Reporting Person(s) to Issuer		
								(Check all applicable)		
(Last)	(First) (M		3. Date of Earliest Transaction (Month/Day/Year)				_X_ Director Officer (giv	e titleOth	Owner er (specify	
73 HIGH STREET			06/08/2010					below)	below)	
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)			6. Individual or Joint/Group Filing(Check Applicable Line)				
BUFFALO, I	NY 14203							_X_ Form filed by Form filed by Person	One Reporting Po	
(City)	(State) (Z	Zip)	Table	I - Non-D	erivative S	ecuri	ties Ac	quired, Disposed (of, or Beneficial	lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)			3. 4. Securities TransactionAcquired (A) or Code Disposed of (D)				5. Amount of Securities Beneficially	6. Ownership Form: Direct (D) or	7. Nature of Indirect Beneficial
		(Month/Da	ny/Year)	(Instr. 8)	(Instr. 3,			Owned Following Reported	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
				Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common	06/08/2010			A	8,389	A	\$0	15,656	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)	e 3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. Number of iorDerivative 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)	
				Code V	7 (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options (Right to Buy)	\$ 6					07/20/2006	07/19/2016	Common Stock	15,000
Stock Options (Right to Buy)	\$ 9.4					06/12/2007	06/11/2017	Common Stock	35,000
Stock Options (Right to Buy)	\$ 5.88					04/29/2008	04/28/2018	Common Stock	35,000
Stock Options (Right to Buy)	\$ 3.33					06/25/2009	06/24/2019	Common Stock	35,000
Stock Options (Right to Buy)	\$ 2.98	06/08/2010		A	35,000	06/08/2010	06/07/2020	Common Stock	35,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Antal James 73 HIGH STREET BUFFALO, NY 14203	X						

Signatures

/s/ John A. Marhofer, Jr., Attorney-in-fact for James
Antal

**Signature of Reporting Person

Date

Reporting Owners 2

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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).

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.