Instruction 1(b)

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to	STATEM
Section 16. Form 4 or Form 5	· · · · · · · · · · · · · · · · · · ·
obligations may continue. See	

ENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Arbuckle Stuart A</u>					RI	2. Issuer Name and Ticker or Trading Symbol RHYTHM PHARMACEUTICALS, INC. [RYTM]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) 222 BER	`	irst) FREET, 12TH F	(Middle)		3. [3. Date of Earliest Transaction (Month/Day/Year) 07/30/2019							Officer below)	r (give title)		Other (s below)	specify		
(Street) BOSTOI			02116 (Zip)		4. 1	4. If Amendment, Date of Original Filed (Month/Day/Year)								e) X Form f Form f	ividual or Joint/Group Filing (Check Applicable 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. Transa Date (Month/D						Execution Date,			Code (Instr. 5)			ed (A) or tr. 3, 4 and	Benefici	es Fo ally (D) Following (I)		: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code V	A	mount	(A) or (D)	Price	Transaci (Instr. 3	ction(s)			(50. 4)	
	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)	perivative Conversion Date Execution Date, lecurity or Exercise (Month/Day/Year) if any			ate, T		ransaction of ode (Instr. Secul Acqu (A) or Dispo			5. Number of Expiration Date (Month/Day/Yea Acquired A) or Disposed of (D) (Instr. 3, 4 and 5)			7. Title and of Securiti Underlying Derivative (Instr. 3 and	ies g Security	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code		v	(A)	(D)	Date Exercisable	Expi Date	iration	Title	Amount or Number of Shares						
Stock Option (right to buy)	\$19.05	07/30/2019			A		30,000		(1)	07/2	9/2029	Common Stock	30,000	\$0	30,00	0	D		

Explanation of Responses:

1. One-third of the options will vest on each one-year anniversary of the grant date, with the first one-third vesting on July 30, 2020.

/s/ Hunter Smith, attorney-in-

** Signature of Reporting Person

08/01/2019

Date

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

- * 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.