FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)												
1. Name and Address of Re MUCCI MARTIN	F	2. Issuer Name and Ticker or Trading Symbol PAYCHEX INC [PAYX]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner				
911 PANORAMA TR	(First) AIL S.		3. Date of Earliest Transaction (Month/Day/Year) 10/12/2010						X_ Officer (give title below) Other (specify below) CEO & President			
ROCHESTER, NY 14	4	4. If Amendment, Date Original Filed(Month/Day/Year)						6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting PersonForm filed by More than One Reporting Person				
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									
1.Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Year)	Execution Date, if any	(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)	6. Ownership Form:	Beneficial	
			(Month/Day/Year)	Code	V	Amount	(A) or (D)	Price	(Instr. 3 and 4)	Direct (D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)	
Common Stock		10/12/2010		A		8,580 (1)	A	\$ 0	45,398	D		
Common Stock									2,678	I	401(k)	

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

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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)	Conversion	3. Transaction Date (Month/Day/Year)	Code)	n Derivative		Expiration Date (Month/Day/Year)		of Underlying		Derivative Security (Instr. 5)	Derivative Securities Beneficially Owned Following Reported Transaction(s)	Form of Derivative Security: Direct (D) or Indirect (I)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)	(Instr. 4)	
Stock Option	\$ 27.28	10/12/2010	A		154,591		10/13/2011	10/12/2020	Common Stock	154,591	\$ 27.28	154,591	D	
Stock Option	\$ 28.14						07/11/2004	07/11/2012	Common Stock	15,000		15,000	D	
Stock Option	\$ 29.55						07/10/2005	07/10/2013	Common Stock	25,000		25,000	D	
Stock Option	\$ 31.79						07/08/2006	07/08/2014	Common Stock	30,000		30,000	D	
Stock Option	\$ 33.68						07/07/2006	07/07/2015	Common Stock	50,000		50,000	D	
Stock Option	\$ 36.87						07/13/2007	07/13/2016	Common Stock	30,000		30,000	D	
Stock Option	\$ 43.91						07/17/2008	07/17/2017	Common Stock	30,000		30,000	D	
Stock Option	\$ 31.95						07/10/2009	07/09/2018	Common Stock	40,000		40,000	D	
Stock Option	\$ 31.95						07/10/2009	07/09/2018	Common Stock	12,675		12,675	D	
Stock Option	\$ 24.21						07/09/2010	07/08/2019	Common Stock	63,290		63,290	D	
Stock Option	\$ 26.02						07/07/2011	07/06/2020	Common Stock	29,786		29,786	D	

Reporting Owners

D 41 0 N 4	Relationships							
Reporting Owner Name / Address	Director	or 10% Owner Officer		Other				
MUCCI MARTIN 911 PANORAMA TRAIL S. ROCHESTER, NY 14625	X		CEO & President					

Signatures

Stephanie L. Schaeffer, Attorney-in-fact	10/14/2010
**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) Award of restricted stock, subject to vesting, pursuant to the Amended and Restated 2002 Stock Incentive Plan.

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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