

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

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person* FLASCHEN DAVID J S			2. Issuer Name and Ticker or Trading Symbol PAYCHEX INC [PAYX]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 07/07/2010					
911 PANORAMA TRAIL S.								
(Street)			4. If Amendment, Date Original Filed(Month/Day/Year)			6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person		
ROCHESTER, NY 14625								
(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)	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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	05/31/2010		J	V	539	A	\$ 0	7,407 (1)	D	
Common Stock	07/07/2010		A		1,922 (2)	A	\$ 0	9,329	D	
Common Stock - Family Trust								12,250	D	

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)	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. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Stock Option	\$ 26.02	07/07/2010		A		7,686		07/07/2011	07/06/2020	Common Stock	7,686	\$ 26.02	7,686	D	
Stock Option	\$ 49.563							10/10/2002	10/10/2010	Common Stock	10,000		10,000	D	
Stock Option	\$ 28.14							07/11/2004	07/11/2012	Common Stock	5,000		5,000	D	
Stock Option	\$ 29.55							07/10/2005	07/10/2013	Common Stock	10,000		10,000	D	
Stock Option	\$ 31.79							07/08/2006	07/08/2014	Common Stock	10,000		10,000	D	
Stock Option	\$ 33.68							07/07/2006	07/07/2015	Common Stock	10,000		10,000	D	
Stock Option	\$ 36.87							07/13/2007	07/13/2016	Common Stock	6,000		6,000	D	
Stock Option	\$ 43.91							07/17/2008	07/17/2017	Common Stock	6,000		6,000	D	
Stock Option	\$ 31.95							07/10/2009	07/09/2018	Common Stock	6,250		6,250	D	
Stock Option	\$ 24.21							07/09/2010	07/08/2019	Common Stock	6,250		6,250	D	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
FLASCHEN DAVID J S 911 PANORAMA TRAIL S. ROCHESTER, NY 14625	X			

Signatures

Stephanie L. Schaeffer, Attorney-in-fact		07/09/2010
<small>**Signature of Reporting Person</small>		<small>Date</small>

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) Updated balance reflects 539 shares acquired through Dividend Reinvestment Program.
 - (2) 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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