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

### SCHEDULE 13G

Under the Securities Exchange Act of 1934  $$(\mbox{Amendment No. 1})$^{\star}$$ 

NAME OF ISSUER	PAYCHEX, INC.				
TITLE OF CLASS OF SECURITIES	Common				
CUSIP NUMBER	704326107				
Check the following box if a statement.	fee is being paid with this	(			
previous statement on file rep than five percent of the class and (2) has filed no amendment	f the filing person: (1) has a porting beneficial ownership of more s of securities described in Item 1; t subsequent thereto reporting percent or less of such class.) (See				
reporting person's initial fill the subject class of securities	page shall be filled out for a ling on this form with respect to es, and for any subsequent amendment would alter the disclosures provided				
shall not be deemed to be "fill of the Securities Exchange Act subject to the liabilities of	ne remainder of this cover page led" for the purpose of Section 18 t of 1934 ("Act") or otherwise that section of the Act but shall sions of the Act (however, see the				
Pa	age 1 of 10 Pages				
CUSIP No. 704326107	13G Page 2 of 10	Pages			
1. Name of reporting person S.S. or I.R.S. identification	ation no. of above person				
Marsh & McLennan Companie 36-2668272					
2 Check the appropriate hos	z if a member of a group*				
2. Check the appropriate box if a member of a group* (					
. SEC use only					
4. Citizenship or place of organization					
Delaware					
	5. Sole Voting Power				
Number of	NONE				
shares	6. Shared Voting Power				
beneficially owned by	NONE				
each Reporting	7. Sole Dispositive Power				
person with	NONE				

9. Aggregate amount beneficially owned by each reporting person

8. Shared Dispositive Power

NONE

	NONE			
10.	Check box if the accertain shares*	ggregate amount in row (9) includes		
 11.	Percent of class re	epresented by amount in row 9		
 12.	Type of Reporting p	person*		
	HC			
CUSI	P No. 704326107	13G Page 3 of 1	0 Pages	
1.	Name of reporting page 1.8.5. iden	person ntification no. of above person		
	Putnam Investments, 04-2539558	Inc.		
 2.	Check the appropria	ate box if a member of a group*	(a) ( (b) (	)
3.	SEC use only			
4.	Citizenship or plac	ce of organization		
	Massachusett			
		5. Sole Voting Power		
		NONE		
	Number of shares	6. Shared Voting Power		
	neficially owned by	129,493		
	each Reporting	7. Sole Dispositive Power		
	person with	NONE		
	W101	8. Shared Dispositive Power		
		3,399,362		
9.	Aggregate amount be person	eneficially owned by each reporting		
	3,399,362			
10.	Check box if the accertain shares*	ggregate amount in row (9) includes		
11.	Percent of class re	epresented by amount in row 9		
	7.5%			
12.	Type of Reporting p	person*		
	HC	13G		
CUSI	P No. 704326107	Page 4 of 1	0 Pages	
1.	Name of reporting p			
	Putnam Investment N 04-2471937	Management, Inc.		
 2.	Check the appropria	ate box if a member of a group*	(a) ( (b) (	)
 3.	SEC use only			

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4.	Citizenship or p	lace of or	ganız	ition	
	Massachus	etts			
		5.	Sole	Voting Power	
	_			NONE	
Number of shares		6.		ed Voting Power	
	icially ed by			NONE	
	ach orting	7.		Dispositive Power	
pe	rson ith	•		NONE	
W	ICII				
		8.	Snare	ed Dispositive Power	
				3,181,373 	
٠.	Aggregate amount person	beneficia	lly o	wned by each reporting	
	3,181,373				
10.	Check box if the certain shares*	aggregate	amou	nt in row (9) includes	
11.	Percent of class			amount in row 9	-
	7%  Type of Reportin				-
	IA				
CUSTP N	o. 704326107		13G	Page 5 of	10 Pages
 L.	Name of reportin				
±.•	_		ion n	o. of above person	
	The Putnam Advis	ory Compan	y, In		
 2.	Check the approp			nember of a group*	(a) (
					(b) (
3.	SEC use only				
 4.		lace of or	ganiz	 ation	-
-	Massachus		,		
	Massacnus			Well's a Research	-
		5.	sole	Voting Power	
Num	ber of			NONE	
	ares icially	6.	Share	ed Voting Power	
own	ed by ach			129,493	
Rep	orting			Dispositive Power	
_	rson ith			NONE	
		8.		ed Dispositive Power	
				217,989	
 9.				· ·	-
•	person	, benericia.	ттй О,	wned by each reporting	
	217,989 				
10.	Check box if the certain shares*	aggregate	amou	nt in row (9) includes	
					_

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Type of Reporting person\*

ΙA

### SECURITIES AND EXCHANGE COMMISSION Washington, D. C. 20549

#### SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)

Check the following (box) if a fee is being paid with this statement

Name of Issuer: PAYCHEX, INC. Item 1(a)

Item 1(b) Address of Issuer's Principal Executive Offices:

911 Panorama Trail South, Rochester, NY 14625

Item 2(a) Item 2(b)

Name of Person Filing: Address or Principal Office or,

if none, Residence:

( )

One Post Office Square Putnam Investments, Inc.

("PI") Boston, Massachusetts 02109

on behalf of itself and:

\*Marsh & McLennan Companies, Inc. 1166 Avenue of the Americas New York, NY 10036 ("MMC")

Putnam Investment Management, Inc. One Post Office Square Boston, Massachusetts 02109 ("PIM")

The Putnam Advisory Company, Inc. One Post Office Square ("PAC") Boston, Massachusetts 02109

Item 2(c) Citizenship: PI, PIM and PAC are corporations organized under Massachusetts law. The citizenship of other persons identified in Item 2(a) is designated as follows:

- Corporation Delaware law
- Voluntary association known as Massachusetts business trust - Massachusetts law
- Item 2(d) Title of Class of Securities: Common
- Item 2(e) Cusip Number: 704326107

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- If this statement is filed pursuant to Rules 13d-1(b), or Ttem 3. 13d-2(b), check whether the person filing is a:
- (a) ( ) Broker or Dealer registered under Section 15 of the Act
- (b)( ) Bank as defined in Section 3(a)(6) of the Act
- (c) ( ) Insurance Company as defined in Section 3(a)(19) of the
- (d)( ) Investment Company registered under Section 8 of the Investment Company Act
- (e)(X) Investment Adviser registered under Section 203 of the Investment Advisers Act of 1940
- (f)( ) Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see (Section 240.13d-1(b)(1)(ii)(F)
- (g)(X) Parent Holding Company, in accordance with Section 240.13d-1(b)(ii)(G)
- (h)( ) Group, in accordance with Section 240.13d-1(b)(1)(ii)(H)

<TABLE>

Item 4.
Ownership.

	1	M&MC	PI	PIM	PAC
<c></c>	<c></c>	<c></c>	<c></c>	<c></c>	<c></c>
(a)	Amount Beneficially Owned:	none	3,399,362	3,181,373	217,989
(b)	Percent of Class:	none	7.5%	7%	0.5%
(c)	Number of shares as to which such person has	3:			
(1)	<pre>sole power to vote or to direct the vote; (but see Item 7)</pre>	none	none	none	none
(2)	shared power to vote or to direct the vote; (but see Item 7)	none	129,493	none	129,493
(3)	<pre>sole power to dispose or to direct the disposition of; (but see Item 7)</pre>	none	none	none	none
(4)	shared power to dispose or to direct the disposition of; (but see Item 7)	none	all	all	all

## </TABLE>

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Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date thereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following ( ).

Item 6. Ownership of More than Five/Ten Percent on Behalf of Another Person:

No persons other than the persons filing this Schedule 13G have an economic interest in the securities reported on which relates to more than five percent of the class of securities. Securities reported on this Schedule 13G as being beneficially owned by M&MC and PI consist of securities beneficially owned by subsidiaries of PI which are registered investment advisers, which in turn include securities beneficially owned by clients of such investment advisers, which clients may include investment companies registered under the Investment Company Act and/or employee benefit plans, pension funds, endowment funds or other institutional clients.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company.

PI, which is a wholly-owned subsidiary of M&MC, wholly owns two registered investment advisers: Putnam Investment Management, Inc. and The Putnam Advisory Company, Inc. Pursuant to Rule 13d-4, M&MC and PI declare that the filing of this Schedule 13G shall not be deemed an admission by either or both of them that they are, for the purposes of Section 13(d) or 13(g) the beneficial owner of any securities covered by this Section 13G, and further state that neither of them have any power to vote or dispose of, or direct the voting or disposition of, any of the securities covered by this Schedule 13G.

Item 8. Identification and Classification of Members of the Group:

Not applicable.

Item 9. Notice of Dissolution of Group:

Not applicable.

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business, were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

PUTNAM INVESTMENTS, INC.

BY: -----

Signature

Name/Title: Frederick S. Marius

Assistant Vice President and Associate Counsel

Date: January 15, 1996

For this and all future filings, reference is made to Power of Attorney dated November 9, 1992, with respect to duly authorized signatures on behalf of Marsh & McLennan Companies, Inc., Putnam Investments, Inc., Putnam Investment, Inc., The Putnam Advisory Company, Inc. and any Putnam Fund wherever applicable.

For this and all future filings, reference is made to an Agreement dated June 28, 1990, with respect to one filing of Schedule 13G on behalf of said entitites, pursuant to Rule 13d-1(f)(1).

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