AUTOMATIC DATA PROCESSING INC

Form 5

August 10, 2007

FORM 5

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

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

Form 3 Holdings Reported

Form 4 Transactions Reported

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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. Name and Address of Reporting Person * MARTONE S MICHAEL	2. Issuer Name **and** Ticker or Trading Symbol **AUTOMATIC DATA PROCESSING INC [ADP]**	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) _____ Director _____ 10% Owner __X__ Officer (give title _____ Other (specify below) below) Corporate Vice President
(Last) (First) (Middle)	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 06/30/2007	
ONE ADP BOULEVARD	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Reporting (check applicable line)
(Street)		
ROSELAND, NJ 07068		_X_ Form Filed by One Reporting Person ___ Form 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)	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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				Amount	(A) or (D)	Price			
Common Stock	06/30/2007	Â	I	7.84	A	$ 0	126,676.8	D	Â
Common Stock	06/30/2007	Â	J(1)	51	A	$ 0	126,727.8	D	Â
Common Stock	06/30/2007	Â	A	2	A	$ 0	126,729.8	D	Â

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

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 control number.

SEC 2270 (9-02)

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. of D Se B O Er Is Fi (I
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MARTONE S MICHAEL ONE ADP BOULEVARD ROSELAND,Â NJÂ 07068	Â	Â	Â Corporate Vice President	Â

Signatures

By: James B. Benson (POA on file)	08/10/2007
**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) The number of shares were adjusted by the Adjustment Fraction (i.e, 1.0975), as calculated pursuant to ADP's March 30, 2007 tax-free spin-off of Broadridge Financial Solutions, Inc. to its stockholders.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.