## UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

#### SCHEDULE 13G

### UNDER THE SECURITIES EXCHANGE ACT OF 1934

(AMENDMENT NO. 3)\*

Mercury Computer Systems Inc				
(Name of Issuer)				
Common				
(Title of Class of Securities) 589378108				
(CUSIP Number)				
December 31, 1999				

(Date of Event Which Requires Filing of This Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

[X] Rule 13d-1(b)

[ ] Rule 13d-1(c)

[ ] Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 (Act) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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CUSIP No.	589378108 13G				
1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON				
	Massachusetts Mutual Life Insurance Company 04-1590850				
2.	CHECK THE APPROPRIATE BOX IF MEMBER OF A GROUP (A) (B)x				
3.	SEC USE ONLY				
4.	CITIZENSHIP OF PLACE OF ORGANIZATION				
	Commonwealth of Massachusetts				

		5.	SOLE VOTING POWER		
NUMBER OF SHARES			53,044		
BENEFICIAL	LLY	6.	SHARED VOTING POWER		
EACH			not applicable		
REPORTING	-	7.	SOLE DISPOSITIVE POW	ΞR	
PERSON WITH			53,044		
		8.	SHARED DISPOSITIVE PO	OWER	
			not applicable		
9.	AGGREGATE PERSON	TE AMOUNT	BENEFICIALLY OWNED BY	EACH REPORTING	
	53,044				
10. CHECK BOX IF THE AGGREGATE A				DW (9) EXCLUDES	
		No	t applicable		
11.	PERCENT	OF CLASS	REPRESENTED BY AMOUNT	IN ROW 9	
			0.2%		
12.	TYPE OF	REPORTING	PERSON (See instruct:	ions)	
	IC (in:	surance co	mpany)		
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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON				
	MassMutual Corporate Investors 04-2483041				
2.	CHECK THE APPROPRIATE BOX IF MEMBER OF A GROUP (A)				
			(B)x		
3.	SEC USE	ONLY			
4.	CITIZENSHIP OF PLACE OF ORGANIZATION				
(	Commonwea	alth of Ma	assachusetts		
		5.	SOLE VOTING POWER		
NUMBER OF SHARES			72,088		
BENEFICIA	LLY	6.	SHARED VOTING POWER		
OWNED BY EACH			not applicable		
REPORTING PERSON		7.	SOLE DISPOSITIVE POWER		
WITH			72,088		
		8.	SHARED DISPOSITIVE POWER		
			not applicable		
9.		ΓΕ AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING		
	PERSON 72,088				
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES * not applicable				
11.	PERCENT	OF CLASS	REPRESENTED BY AMOUNT IN ROW 9		
		6	0.3%		
12.	TYPE OF	REPORTING	G PERSON *		
:	IV (inves	stment con	npany)		

ITEM 1(a). Name of Issuer: Mercury Computer Systems Inc

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

199 Riverneck Road Chelmsford, MA 01824-2820

ITEM 2(a). Name of Person Filing:

This statement is filed on behalf of Massachusetts Mutual Life Insurance Company and MassMutual Corporate Investors, which together may be regarded as a group for the purpose of this statement. This statement is signed on behalf of both the aforementioned parties, and therefore it does not include a separate agreement providing for a joint filing.

ITEM 2(b). Address of Principal Business Office:

MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY 1295 State Street Springfield, Massachusetts 01111

MASSMUTUAL CORPORATE INVESTORS 1295 State Street Springfield, Massachusetts 01111

ITEM 2(c). Citizenship

MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY is organized under the laws of the Commonwealth of Massachusetts
MASSMUTUAL CORPORATE INVESTORS is organized under the laws of the Commonwealth of Massachusetts

ITEM 2(d). Title of Class of Securities: Common Stock

ITEM 2(e). CUSIP NUMBER: 589378108

ITEM 3. This statement is filed pursuant to Rule 13d-1(b) by
Massachusetts Mutual Life Insurance Company,
an insurance company as defined in Section 3(a)(19),
MassMutual Corporate Investors, an investment
company registered under Section 8 of the Investment
Company Act of 1940 which together may be
regarded as a group pursuant to Rule
13d-1(b) (ii) (H).

ITEM 4. Ownership:

This statement if filed to report information as of December 31,1999:

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## (a) Amount Beneficially Owned:

Massachusetts Mutual Life Insurance Company and MassMutual Corporate Investors own respectively 53,044 and 72,088 shares of common stock.

Total shares of common stock owned directly and indirectly: 125,132

The filing of this statement shall not be construed as an admission that Massachusetts Mutual Life Insurance Company and MassMutual Corporate Investors are for the purposes of sections 13(d) and 13(g) of the Securities Exchange Act of 1934, the beneficial owners of any common stock of the issuer.

# (b) Percent of Class:

Percentage of ownership is calculated as follows:

125,132(shares held) / 20,840,000 (shares outstanding) = 0.6%

# (c) Powers:

Massachusetts Mutual Life Insurance Company and MassMutual Corporate Investors each have sole power to vote or dispose of respectively 53,044 and 72,088 shares of common stock.

### 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 hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [x]

ITEM 6. Ownership of More Than Five Percent on Behalf of Another Person:

Not applicable

ITEM 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company:

Not applicable

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

Not applicable

ITEM 9. Notice of Dissolution of the Group:

Not applicable

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#### ITEM 10. Certification:

By signing below, MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY, MASSMUTUAL CORPORATE INVESTORS certify to the best of their knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with 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 purpose or effect.

After reasonable inquiry and to the best of our knowledge and belief, MASSACHUSETTS MUTUTAL LIFE INSURANCE COMPANY and MASSMUTUAL CORPORATE INVESTORS certify that the information set forth in this statement is true, complete and correct.

February 3, 2000 (Date)

February 3, 2000 (Date)

MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY MASSMUTUAL CORPORATE

INVESTORS

By: /signature/

By: /signature/

Charles McCobb Managing Director Charles McCobb Managing Director

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