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

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): March 8, 2007

AeroVironment, Inc.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation)

001-33261

(Commission File Number)

95-2705790

(I.R.S. Employer Identification Number)

181 W. Huntington Drive, Suite 202 Monrovia, CA

(Address of principal executive offices)

91016

(Zip Code)

(626) 357-9983

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (*see* General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02 Results of Operations and Financial Condition.

On March 8, 2007, AeroVironment, Inc. (the "Company") issued a press release announcing the Company's financial results for the third fiscal quarter ended January 27, 2007. A copy of the press release is attached hereto as Exhibit 99.1 and is incorporated by reference herein.

The information contained in this Current Report, including the exhibit referenced herein, is being furnished and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section. Such information shall not be incorporated by reference into any filing of the Company, whether made before or after the date hereof, regardless of any general incorporation language in such filing.

Item 9.01. Financial Statements and Exhibits.

(d) The following exhibit is filed herewith:

Exhibit Number		Description of Exhibit
99.1	Press release issued by AeroVironment, Inc. on March 8, 2007.	

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: March 8, 2007

AEROVIRONMENT, INC.

By: /s/ Stephen C. Wright

Name: Stephen C. Wright
Title: Vice President of Finance, Chief Financial Officer

and Secretary

AeroVironment, Inc. Announces Fiscal 2007 Third Quarter Financial Results

MONROVIA, CA, March 8, 2007 — AeroVironment, Inc. (AV) (NASDAQ: AVAV) today reported financial results for the fiscal 2007 third quarter and ninemonth period ended January 27, 2007. Results for both periods showed significant growth in revenue and income from operations. Highlights of the third quarter of fiscal 2007 relative to the same quarter a year ago were as follows:

- n Total revenue up 30% to \$46.3 million
- n Income from operations up 111% to \$13.2 million
- n Net income up 102% to \$8.9 million, or up \$0.28 per diluted share to \$0.57

"Our third quarter results reflect successful execution of our plans, with growth in our UAS and PosiCharge fast charge systems segments compared to the same period in fiscal 2006," said Tim Conver, chief executive officer and president of AV. "This growth indicates the increasing adoption of our solutions by our customers to help improve their productivity, safety and efficiency. Our new partnership with our shareholders will help us to pursue the opportunities that we believe will contribute to continued growth."

FISCAL 2007 THIRD QUARTER RESULTS

Revenue for the third quarter of fiscal 2007 was \$46.3 million, an increase of 30% over third quarter fiscal 2006 revenue of \$35.5 million. The increase in revenue was caused by higher sales in our Unmanned Aircraft Systems (UAS) segment of \$10.1 million (or 35%) and in our PosiCharge segment of \$0.9 million (or 22%), partially offset by lower revenue from our Energy Technology Center segment of \$0.3 million (or 12%).

Income from operations for the third quarter of fiscal 2007 was \$13.2 million, up 111% from third quarter fiscal 2006 income from operations of \$6.2 million. The growth in income from operations was caused by increased gross margin of \$4.1 million, lower selling, general and administrative (SG&A) expense of \$1.6 million, and lower research and development expense of \$1.3 million. The decrease in SG&A expense reflected the reversal of our supplemental executive retirement plan, which improved profitability by \$2.2 million.

Net income for the third quarter of fiscal 2007 was \$8.9 million, an increase of 102% over third quarter fiscal 2006 net income of \$4.4 million.

YEAR TO DATE RESULTS

Revenue for the nine-month period ended January 27, 2007 was \$123.0 million, an increase of 13% over our revenue of \$108.8 million for the nine-month period ended January 28, 2006. The increase in revenue was caused by higher sales in our UAS segment of \$15.1 million (or 17%) and in our Energy Technology Center segment of \$0.4 million (or 6%), partially offset by lower sales in our PosiCharge segment of \$1.2 million (or 8%).

Income from operations for the nine-month period ended January 27, 2007 was \$23.0 million, up 38% from our income from operations of \$16.7 million for the nine-month period ended January 28, 2006. The growth in income from operations was caused by increased gross margin of \$5.0 million and lower R&D expense of \$1.3 million.

Net income for the nine-month period ended January 27, 2007 was \$15.1 million, an increase of 29%, over our net income of \$11.7 million for the nine-month period ended January 28, 2006.

Our cash and cash equivalents increased by \$92.8 million to \$108.2 million at January 27, 2007 from \$15.4 million at April 30, 2006. The increase was primarily due to the net proceeds of \$80.5 million from our initial public offering of our common stock in January 2007.

BACKLOG

As of January 27, 2007, we reported funded backlog (unfilled firm orders for which funding is currently appropriated to us under a customer contract) of \$43.2 million, compared to \$79.7 million as of April 30, 2006, and \$48.2 million as of January 28, 2006.

FISCAL 2007 — OUTLOOK FOR THE FULL YEAR

AV currently expects to achieve total fiscal year 2007 revenue growth of between 20% and 25% from fiscal year 2006 levels, with an operating income margin between 15% and 16%. The foregoing estimates are forward-looking and reflect management's view of current and future market conditions, including certain assumptions with respect to our ability to obtain and retain government contracts, changes in the demand for our products and services, activities of competitors and changes in the regulatory environment. Investors are reminded that actual results may differ materially from these estimates.

CONFERENCE CALL

In conjunction with this release, AeroVironment, Inc. will host a conference call today, Thursday, March 8, 2007, at 4:30 PM ET that will be broadcast live over the Internet. Tim Conver, president and chief executive officer, Steve Wright, vice president and chief financial officer, and Steven Gitlin, director of investor relations, will host the call.

4:30 PM ET

3:30 PM CT

2:30 PM MT

1:30 PM PT

Investors may access the conference call live over the Internet at the Investor Relations section of the AeroVironment, Inc. website, http://investor.avinc.com. Investors without Internet access may dial into the call in listen-only mode at (800) 322-2803 (U.S.) or (617) 614-4925 (international). The passcode for the call is 33723939. Please allow five to ten minutes prior to the call to download and install any necessary audio software. The archived version of the call may be accessed at either the AV website or by dialing (888) 286-8010 (U.S.) or (617) 801-6888 (international), and by entering passcode 74527972. This archive will be available beginning at 9:00 PM Pacific Time on March 8, 2007 for a period of 30 days.

About AeroVironment, Inc. (AV)

Building on a history of technological innovation, AV designs, develops, produces, and supports an advanced portfolio of Unmanned Aircraft Systems (UAS) and efficient electric energy systems. The company's small UAS are used extensively by agencies of the U.S. Department of Defense and increasingly by allied military forces to deliver real-time reconnaissance, surveillance, and target acquisition to tactical operating units. AV's PosiCharge® fast charge systems eliminate battery changing for electric industrial vehicles in factories, airports, and distribution centers. For more information about AV, please visit www.avinc.com.

FORWARD-LOOKING STATEMENTS

This press release contains "forward-looking statements" as that term is defined in the Private Securities Litigation Reform Act of 1995. Forward-looking statements include, without limitation, any statement that may predict, forecast, indicate or imply future results, performance or achievements, and may contain words such as "believe," "anticipate," "expect," "estimate," "intend," "project," "plan," or words or phrases with similar meaning. Forward-looking statements are based on current expectations, forecasts and assumptions that involve risks and uncertainties, including, but not limited to, economic, competitive, governmental and technological factors outside of our control, that may cause our business, strategy or actual results to differ materially from the forward-looking statements.

Factors that could cause actual results to differ materially from the forward-looking statements include, but are not limited to, reliance on sales to the U.S. government; changes in the supply and/or demand and/or prices for our products; the activities of competitors; failure of the markets in which we operate to grow; failure to expand into new markets; changes in significant operating expenses, including components and raw materials; failure to develop new products; changes in the regulatory environment; and general economic and business conditions in the United States and elsewhere in the world. For a further list and description of such risks and uncertainties, see the reports we file with the Securities and Exchange Commission. We do not intend, and undertake no obligation, to update any forward-looking statements, whether as a result of new information, future events or otherwise.

- Financial Tables Follow -

AeroVironment, Inc.

Condensed Consolidated Statements of Income (Unaudited) (In thousands except share and per share data)

		Three months ended		Nine months ended				
	Ja	nuary 27, 2007		uary 28, 2006		nuary 27, 2007	Ja	nuary 28, 2006
Revenue:								
Product sales	\$	32,614	\$	22,440	\$	87,426	\$	83,113
Contract services		13,661		13,028		35,595		25,656
		46,275		35,468		123,021		108,769
Cost of sales:								
Product sales		17,677		10,768		50,226		46,621
Contract services		8,962		9,172		23,403		17,803
		26,639		19,940		73,629		64,424
Gross margin		19,636		15,528		49,392		44,345
Research and development		2,240		3,523		9,261		10,603
Selling, general and administrative		4,224		5,776		17,091		17,026
Income from operations		13,172		6,229		23,040		16,716
Other income (expense)								
Interest income		173		78		526		141
Interest expense		_		(35)		(6)		(94)
Income before income taxes		13,345		6,272		23,560		16,763
Provision for income taxes		4,456		1,879		8,412		5,023
Net income	\$	8,889	\$	4,393	\$	15,148	\$	11,740
Earnings per share data:								
Net income								
Basic	\$.34	\$	1.11	\$.91
Diluted	\$.57	\$.29	\$.98	\$.79
Weighted average shares outstanding:								
Basic		3,679,665		,981,568		,602,975		2,952,422
Diluted	15	5,691,256	14	,960,084	15	,528,493	14	1,851,952
Earnings per share data: Net income Basic Diluted Weighted average shares outstanding: Basic	\$ \$ 13	.65 .57 3,679,665	\$ \$.34 .29	\$ \$	1.11 .98 ,602,975	\$ \$.9 .7 2,952,42

All share information has been adjusted to reflect a 7.0378-for-one stock split which was effective January 18, 2007.

Selected Consolidated Balance Sheet Information (Dollars in thousands)

Selected Consolidated Balance Sheet Information

	January 27, 2007	April 30, 2006	
	(Unaudited)		
Cash and cash equivalents	\$ 108,207	\$ 15,388	
Accounts receivable, net	20,767	21,582	
Inventory, net	9,994	11,453	
Total assets	157,196	64,950	
Stockholders' equity	130,446	34,303	
Shares issued and outstanding	18,875,957	13,283,770	

Reportable segment results are as follows (in thousands):

	For the Three Months Ended		For the Nine Months Ended		
	January 27, 2007	January 28, 2006	January 27, 2007	January 28, 2006	
Revenue					
UAS	\$ 38,763	\$ 28,644	\$ 101,621	\$ 86,511	
PosiCharge	5,431	4,457	14,889	16,121	
Energy Technology Center	2,081	2,367	6,511	6,137	
Total	46,275	35,468	123,021	108,769	
Gross margin					
UAS	16,695	12,531	40,482	34,916	
PosiCharge	1,918	1,892	5,679	6,541	
Energy Technology Center	1,023	1,105	3,231	2,888	
Total	\$ 19,636	\$ 15,528	\$ 49,392	\$ 44,345	

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Contact:

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CCG Investor Relations and Strategic Communication

For AeroVironment, Inc. $\,$

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