

PRIMECAP Odyssey Aggressive Growth Fund

Portfolio Holdings

December 31, 2016 (Unaudited)

Common Stock

<u>Sectors</u>	<u>CUSIP</u>	<u>Description</u>	<u>Shares</u>	<u>Market Value</u>
Information Technology - 29.8%	00724F101	ADOBE SYSTEMS, INC.	1,053,000	\$ 108,406,350
	01609W102	ALIBABA GROUP HOLDING LTD. - ADR	908,850	79,806,118
	02079K305	ALPHABET, INC. - CLASS A	103,370	81,915,557
	02079K107	ALPHABET, INC. - CLASS C	103,653	80,001,458
	038222105	APPLIED MATERIALS, INC.	35,000	1,129,450
	N07059210	ASML HOLDING N.V.	144,400	16,201,680
	054540208	AXCELIS TECHNOLOGIES, INC.	2,896,793	42,148,338
	068323104	BARRACUDA NETWORKS, INC.	725,000	15,536,750
	09228F103	BLACKBERRY LTD.	23,123,918	159,323,795
	111621306	BROCADE COMMUNICATIONS SYSTEMS, INC.	334,747	4,180,990
	20564W105	COMSCORE, INC.	4,723,160	149,157,393
	225223304	CRAY, INC.	163,000	3,374,100
	225447101	CREE, INC.	1,675,300	44,211,167
	24703L103	DELL TECHNOLOGIES INC - CLASS V	255,730	14,057,478
	25381B101	DIGIMARC CORP.	333,000	9,990,000
	278642103	EBAY, INC.	206,900	6,142,861
	285512109	ELECTRONIC ARTS, INC.	130,000	10,238,800
	28849P100	ELLIE MAE, INC.	2,488,900	208,271,152
	311642102	FARO TECHNOLOGIES, INC.	1,530,322	55,091,592
	Y2573F102	FLEXTRONICS INTERNATIONAL LTD.	8,501,900	122,172,303
	346375108	FORMFACTOR, INC.	1,173,600	13,144,320
	401692108	GUIDANCE SOFTWARE, INC.	3,080,415	21,809,338
	42824C109	HEWLETT PACKARD ENTERPRISE CO.	438,000	10,135,320
	40434L105	HP, INC.	525,000	7,791,000
	443573100	HUBSPOT, INC.	507,800	23,866,600
	461202103	INTUIT, INC.	224,500	25,729,945
	466313103	JABIL CIRCUIT, INC.	765,000	18,107,550
	49338L103	KEYSIGHT TECHNOLOGIES, INC.	270,000	9,873,900
	482480100	KLA-TENCOR CORP.	882,800	69,458,704
	49926D109	KNOWLES CORP.	594	9,926
	57776J100	MAXLINEAR, INC. - CLASS A	225,000	4,905,000
	595112103	MICRON TECHNOLOGY, INC.	6,786,500	148,760,080
	60255W105	MINDBODY, INC. - CLASS A	528,377	11,254,430
	64110D104	NETAPP, INC.	2,157,467	76,093,861
	64126X201	NEUSTAR, INC. - CLASS A	1,414,086	47,230,472
	65440R101	NIMBLE STORAGE, INC.	430,000	3,405,600
	67020Y100	NUANCE COMMUNICATIONS, INC.	2,972,406	44,288,849
	67066G104	NVIDIA CORP.	1,115,755	119,095,689
	671044105	OSI SYSTEMS, INC.	316,300	24,076,756
	747525103	QUALCOMM, INC.	676,300	44,094,760
	750917106	RAMBUS, INC.	197,200	2,715,444
	78112V102	RUBICON PROJECT, INC. (THE)	2,601,128	19,300,370
	81763U100	SERVICESOURCE INTERNATIONAL, INC.	8,546,150	48,542,132
	M85548101	STRATASYS LTD.	2,080,000	34,403,200
	896239100	TRIMBLE NAVIGATION LTD.	700,000	21,105,000
	91347P105	UNIVERSAL DISPLAY CORP.	450,000	25,335,000
	928563402	VMWARE, INC. - CLASS A	335,000	26,374,550
	958102105	WESTERN DIGITAL CORP.	75,906	5,157,813
	984332106	YAHOO!, INC.	142,580	5,513,569
				2,122,936,510

Health Care - 28.2%

002567105	ABAXIS, INC.	2,115,300	111,624,381
002824100	ABBOTT LABORATORIES	1,503,300	57,741,753
003654100	ABIOMED, INC.	2,089,273	235,419,282
004397105	ACCURAY, INC.	1,650,600	7,592,760
00773U108	ADVERUM BIOTECHNOLOGIES, INC.	387,300	1,123,170
G01767105	ALKERMES PLC	2,807,622	156,047,631
03879J100	ARBUTUS BIOPHARMA CORP.	3,935,000	9,640,750
G0750W104	AXOVANT SCIENCES LTD.	344,800	4,282,416
09062X103	BIOGEN, INC.	284,500	80,678,510
09061G101	BIOMARIN PHARMACEUTICAL, INC.	978,384	81,049,331
101137107	BOSTON SCIENTIFIC CORP.	142,000	3,071,460
157085101	CERUS CORP.	7,800,000	33,930,000
159864107	CHARLES RIVER LABORATORIES INTERNATIONAL, INC.	372,000	28,342,680
252366109	DEXTERA SURGICAL, INC.	530,650	509,424
532457108	ELI LILLY & CO.	1,833,800	134,875,990
29428V104	EPIZYME, INC.	3,560,784	43,085,486
30063P105	EXACT SCIENCES CORP.	3,775,000	50,434,000
33938A105	FLEX PHARMA, INC.	741,900	3,917,232
34385P108	FLUIDIGM CORP.	2,892,532	21,057,633
452327109	ILLUMINA, INC.	113,000	14,468,520
45253H101	IMMUNOGEN, INC.	661,500	1,349,460
45784P101	INSULET CORP.	2,069,956	77,995,942
60877T100	MOMENTA PHARMACEUTICALS, INC.	1,792,583	26,978,374
640268108	NEKTAR THERAPEUTICS	12,715,830	156,023,234
66987G102	NOVADAQ TECHNOLOGIES, INC.	5,643,449	40,012,054
670704105	NUVASIVE, INC.	490,000	33,006,400
68234X102	ONCOMED PHARMACEUTICALS, INC.	1,754,800	13,529,508
68554V108	ORASURE TECHNOLOGIES, INC.	938,000	8,235,640
70975L107	PENUMBRA, INC.	11,600	740,080
717071104	PFENEX, INC.	2,297,100	20,834,697
N72482107	QIAGEN N.V.	4,966,114	139,150,514
CH0012032048	ROCHE HOLDING AG - CHF	422,450	96,495,993
812578102	SEATTLE GENETICS, INC.	3,774,900	199,201,473
98401F105	XENCOR, INC.	4,428,304	116,552,961
			<u>2,008,998,739</u>

Industrials - 16.2%

00766T100	AECOM	540,000	19,634,400
011659109	ALASKA AIR GROUP, INC.	746,100	66,201,453
01748X102	ALLEGIANT TRAVEL CO.	3,500	582,400
02376R102	AMERICAN AIRLINES GROUP, INC.	5,314,300	248,124,667
17273K109	CIRCOR INTERNATIONAL, INC.	191,000	12,392,080
21240E105	CONTROLADORA VUELA COMPANIA DE AVIACION, S.A.B. DE C.V. - ADR	21,000	315,840
231561101	CURTISS-WRIGHT CORP.	163,400	16,072,024
247361702	DELTA AIR LINES, INC.	3,654,300	179,755,017
297425100	ESTERLINE TECHNOLOGIES CORP.	47,700	4,254,840
31428X106	FEDEX CORP.	3,900	726,180
419879101	HAWAIIAN HOLDINGS, INC.	641,300	36,554,100
42704L104	HERC HOLDINGS, INC.	111,633	4,483,181
42806J106	HERTZ GLOBAL HOLDINGS, INC.	224,900	4,848,844
469814107	JACOBS ENGINEERING GROUP, INC.	977,600	55,723,200
477143101	JETBLUE AIRWAYS CORP.	6,592,125	147,795,443
628852204	NCI BUILDING SYSTEMS, INC.	605,000	9,468,250
629337106	NN, INC.	1,230,000	23,431,500
767744105	RITCHIE BROS. AUCTIONEERS, INC.	565,372	19,222,648
844741108	SOUTHWEST AIRLINES CO.	909,000	45,304,560
848577102	SPIRIT AIRLINES, INC.	460,700	26,656,102
87651B104	TASER INTERNATIONAL, INC.	260,000	6,302,400
893641100	TRANSDIGM GROUP, INC.	900	224,064
910047109	UNITED CONTINENTAL HOLDINGS, INC.	3,160,650	230,348,172
			<u>1,158,421,365</u>

Consumer Discretionary - 15.3%

002535300	AARON'S, INC.	29,000	927,710
04351G101	ASCENA RETAIL GROUP, INC.	2,283,600	14,135,484
099406100	BOOT BARN HOLDINGS, INC.	1,770,000	22,160,400
143130102	CARMAX, INC.	2,031,100	130,782,529
163092109	CHEGG, INC.	8,622,900	63,637,002
CA2524066081	DHX MEDIA LTD. - CLASS A - CAD	1,400,400	7,363,665
CA2524067071	DHX MEDIA LTD. - CLASS B - CAD	1,420,000	7,456,150
351793104	FRANCESCA'S HOLDINGS CORP.	20,300	366,009
375916103	GILDAN ACTIVEWEAR, INC.	313,500	7,953,495
45245E109	IMAX CORP.	1,617,213	50,780,488
462726100	IROBOT CORP.	105,000	6,137,250
535919401	LIONS GATE ENTERTAINMENT CORP. - CLASS A	1,862,500	50,101,250
535919500	LIONS GATE ENTERTAINMENT CORP. - CLASS B	1,862,500	45,705,750
G66721104	NORWEGIAN CRUISE LINE HOLDINGS LTD.	600,000	25,518,000
681116109	OLLIE'S BARGAIN OUTLET HOLDINGS, INC.	17,700	503,565
V7780T103	ROYAL CARIBBEAN CRUISES LTD.	2,038,701	167,255,030
82568P304	SHUTTERFLY, INC.	2,902,400	145,642,432
830566105	SKECHERS U.S.A., INC. - CLASS A	15,000	368,700
835699307	SONY CORP. - ADR	7,524,100	210,900,523
88160R101	TESLA MOTORS, INC.	260,740	55,717,531
896047503	TRIBUNE MEDIA CO. - CLASS A	1,378,500	48,219,930
89703P107	TRONC, INC.	1,388,451	19,257,815
899035505	TUESDAY MORNING CORP.	1,611,000	8,699,400
			<u>1,089,590,108</u>

Financials - 3.5%	12572Q105	CME GROUP, INC.	243,600	28,099,260
	254709108	DISCOVER FINANCIAL SERVICES	308,200	22,218,138
	269246401	E*TRADE FINANCIAL CORP.	1,901,000	65,869,650
	57060D108	MARKETAXESS HOLDINGS, INC.	862,120	126,662,671
	743315103	PROGRESSIVE CORP. (THE)	130,000	4,615,000
				<u>247,464,719</u>
Telecom Services - 2.7%	85207U105	SPRINT CORP.	23,105,000	194,544,100
Materials - 0.6%	57165B106	MARRONE BIO INNOVATIONS, INC.	2,325,000	4,975,500
	61166W101	MONSANTO CO.	284,300	29,911,203
	88105A106	TERRAVIA HOLDINGS, INC.	8,355,000	9,608,250
				<u>44,494,953</u>
Energy - 0.5%	127097103	CABOT OIL & GAS CORP.	545,400	12,740,544
	26875P101	EOG RESOURCES, INC.	40,000	4,044,000
	637071101	NATIONAL OILWELL VARCO, INC.	85,800	3,212,352
	75281A109	RANGE RESOURCES CORP.	7,000	240,520
	761565100	REX ENERGY CORP.	2,700,000	1,272,240
	806857108	SCHLUMBERGER LTD	3,866	324,551
	H8817H100	TRANSOCEAN LTD.	1,100,382	16,219,630
				<u>38,053,837</u>
Consumer Staples - 0.0%	737446104	POST HOLDINGS, INC.	11,000	884,290
Total Common Stocks - 96.8%				<u>\$ 6,905,388,621</u>
Rights				
Health Care -0.1%	267CVR991	DYAX CORP. CONTINGENT VALUE RIGHTS	7,639,720	8,480,089
Total Rights - 0.1%				<u>8,480,089</u>
Short Term Investments - 3.1%	261941108	DREYFUS TREASURY SECURITIES CASH MANAGEMENT FUND	218,489,167	218,489,167
Total Portfolio - 100%				<u>\$ 7,132,357,877</u>

ADR American Depository Receipt
CAD Canadian Dollars
CHF Swiss Francs

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