## ROYCE MICRO CAP TRUST INC /MD/

Form N-Q

November 21, 2008

**UNITED STATES** 

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED

MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number: 811-08030

Name of Fund: Royce Micro-Cap Trust, Inc. Fund Address: 1414 Avenue of the Americas

New York, NY 10019

Name and address of agent for service:

John E. Denneen, Esq. Royce & Associates, LLC 1414 Avenue of the Americas New York, NY 10019

Registrant s telephone number, including area code: (212) 486-1445

Date of fiscal year end: 12/31/2008

Date of reporting period: 9/30/2008

Item 1 - Schedule of Investments

SCHEDULE OF INVESTMENTS ROYCE MICRO-CAP TRUST

SEPTEMBER 30, 2008 (UNAUDITED)

COMMON STOCKS [] 120.6%	SHARES	VALUE
Consumer Products [] 8.4%  Apparel, Shoes and Accessories - 2.4%  Cherokee  Crocs a.b  Frederick[s of Hollywood Group b Hartmarx Corporation b Kleinert[s b.c Lazare Kaplan International b Steven Madden b True Religion Apparel a.b Weyco Group Yamato International	7,300 20,000 121,804 70,000 14,200 151,700 17,232 5,000 120,000 40,000	\$ 160,454 71,600 65,774 130,900 0 1,168,090 427,009 129,250 4,016,400 181,985
		6,351,462
Collectibles - 0.1% Leapfrog Enterprises Cl. A a.b	13,000	137,280
Consumer Electronics - 0.1% DTS a.b TiVo a.b	7,000 20,000	194,810 146,400

		341,210
Food/Beverage/Tobacco - 2.0% Green Mountain Coffee Roasters a,b Lifeway Foods a,b Seneca Foods Cl. A b Seneca Foods Cl. B a,b	76,800 20,000 62,500 42,500	3,021,312 234,000 1,186,875 848,300
		5,290,487
Health, Beauty and Nutrition - 0.2%		
Nutraceutical International <u>b</u> NutriSystem	15,000 24,700	165,750 437,684
		603,434
Home Furnishing and Appliances - 2.7% American Woodmark	100,000	2,245,000
Cobra Electronics		
	10,000	23,600
Flexsteel Industries	213,500	2,207,590
Helen of Troy a,b	20,000	455,400
Lifetime Brands	42,054 409,800	410,027
Natuzzi ADR <u>b</u> Universal Electronics <u>a,b</u>	13,500	1,323,654 337,230
		7,002,501
Household Products/Wares - 0.3%		
A.T. Cross Company Cl. A <u>a.b</u>	100,000	673,000
Sports and Recreation - 0.6%		
Cybex International a,b	61,700	185,717
Monaco Coach	314,950	614,152
Steinway Musical Instruments <u>b</u> Sturm, Ruger & Company <u>a,b</u>	10,000 80,000	283,200 555,200
		1,638,269
Total		22,037,643
Consumer Services [] 5.2%		
Leisure and Entertainment - 0.3%	22.000	250.020
Ambassadors Group Ambassadors International a.b	22,000 6,100	350,020 12,139
FortuNet a,b	5,000	29,500
IMAX Corporation b	25,000	148,000
Premier Exhibitions ab	79,800	143,640
		683,299
Media and Broadcasting - 0.1% Ballantyne of Omaha <u>a,b</u>	100,000	196,000
Online Commerce - 1.1%		
Alloy b	58,302	450,675
CryptoLogic	97,200	532,656

Knot (The) a.b Lumber Liquidators a.b PC Connection a.b PC Mall a.b Stamps.com b	25,200 75,700 17,100 26,000 34,100	210,420 950,792 114,399 177,580 397,947
Restaurants and Lodgings - 0.1% Benihana Cl. A a.b. Cosi b. Jamba b.	39,700 43,800 53,000	182,620 86,286 47,700
		316,606
Retail Stores - 3.4%  A.C. Moore Arts & Crafts b  America[s Car-Mart b  Build-A-Bear Workshop a.b  Cache b  Casual Male Retail Group b  Cato Corporation (The) Cl. A  Cost Plus b  Dover Saddlery a.b  DSW Cl. A a.b  Eddie Bauer Holdings b  EZCORP Cl. A b  New York & Company a.b  Stein Mart a.b  West Marine a.b  West Marine a.b	59,000 150,000 119,400 19,200 2,000 68,100 116,500 20,228 27,200 25,000 6,000 9,200 223,291 274,000	369,930 2,788,500 869,232 131,904 7,860 1,195,155 227,175 48,142 372,640 133,750 112,800 87,768 873,068 1,633,040
Other Consumer Services - 0.2% Collectors Universe First Cash Financial Services a,b Shutterfly a,b	33,200 9,200 20,000	308,760 138,000 192,200 638,960
Total		13,520,298
Diversified Investment Companies [] 1.7% Closed-End Funds - 1.7% ASA Central Fund of Canada Cl. A	48,900 157,000	2,722,752 1,698,740
Total		4,421,492
Financial Intermediaries [] 12.2%  Banking - 5.4%  Alliance Bancorp, Inc. of Pennsylvania  B of I Holding b  Bancorp (The) b  BB Holdings b  CFS Bancorp  Chemung Financial  CNB Financial  Commercial National Financial	50,420 100,000 50,000 390,000 65,000 40,000 30,000 20,000	428,570 577,000 250,000 1,488,983 601,250 910,000 328,800 288,000

Fauquier Bankshares Financial Institutions First Bancorp Franklin Bank a.b. HopFed Bancorp Lakeland Financial LCNB Corporation Meta Financial Group Peapack-Gladstone Financial Quest Capital Sterling Bancorp W Holding Company Wilber Corporation (The) WSB Financial Group a.b.	160,800 36,000 40,200 29,500 53,000 45,000 30,000 44,800 29,000 30,000 32,869 300,000 114,150 114,200	2,379,840 720,360 787,920 14,455 595,720 988,200 285,000 761,600 971,500 41,156 475,286 162,000 901,785 89,076
Insurance - 1.9% American Physicians Service Group American Safety Insurance Holdings a,b CRM Holdings b First Acceptance b Independence Holding Navigators Group a,b NYMAGIC	10,000 20,000 124,000 258,405 95,800 200 85,400	211,700 302,200 334,800 878,577 1,106,490 11,600 2,156,350 5,001,717
Real Estate Investment Trusts - 0.1% Vestin Realty Mortgage II <u>a</u>	74,230	288,755
Securities Brokers - 4.4%  Broadpoint Securities Group a,b Cowen Group D Diamond Hill Investment Group a,b Evercore Partners Cl. A FBR Capital Markets a,b International Assets Holding a,b Sanders Morris Harris Group Stifel Financial a,b Thomas Weisel Partners Group a,b TradeStation Group a,b	95,000 123,600 5,000 36,500 350,600 22,550 199,000 53,899 187,000 30,000	275,500 1,056,780 449,600 656,270 2,271,888 543,680 1,721,350 2,689,560 1,576,410 280,500
Securities Exchanges - 0.4%	122 700	11,521,538
MarketAxess Holdings <u>b</u>	123,700	998,259
Financial Services [] 8.4%  Diversified Financial Services - 1.4%  Advanta Corporation Cl. B  Encore Capital Group a.b  FCStone Group a.b  World Acceptance a.b	21,400 98,000 22,100 47,951	176,122 1,342,600 397,579 1,726,236
		3,642,537

Insurance Brokers - 0.3% Crawford & Company Cl. A a.b Western Financial Group	50,000 148,000	503,000 429,711
		932,711
Investment Management - 4.5% BKF Capital Group Endeavour Financial Epoch Holding Corporation Hennessy Advisors JZ Capital Partners MVC Capital Queen City Investments Sceptre Investment Counsel Westwood Holdings Group	387,000 340,900 211,500 24,750 70,000 226,200 948 78,000 38,280	425,700 1,979,574 2,231,325 124,987 133,699 3,449,550 1,052,280 600,987 1,814,472
		11,812,574
Special Purpose Acquisition Corporation - 1.7% Alternative Asset Management Acquisition (Units) b Cockleshell CP Prospect Acquisition (Units) Shellshock Shermen WSC Acquisition Shermen WSC Acquisition CP Shermen WSC Acquisition Shermen Sh	250,000 465,300 50,000 47,200 220,000	2,250,000 442,570 450,000 52,027 1,262,800
		4,457,397
Specialty Finance - 0.5% ASTA Funding MRU Holdings b NGP Capital Resources	22,800 180,800 68,080	159,828 57,856 991,926 1,209,610
Total		22,054,829
Health [] 14.3%  Commercial Services - 1.0%  PAREXEL International a.b  PDI a.b	76,500 66,800	2,192,490 530,392 2,722,882
Drugs and Biotech - 3.0%  Acadia Pharmaceuticals a,b  Allos Therapeutics a,b  Anadys Pharmaceuticals a,b  BioCryst Pharmaceuticals a,b  Cambrex Corporation b  Caraco Pharmaceutical Laboratories a,b  Cardiome Pharma a,b  Cell Genesys a,b  Durect Corporation a,b  DUSA Pharmaceuticals a,b  Dyax Corporation b  Emisphere Technologies a,b  Favrille a,b	33,500 53,600 420,000 200,000 16,000 20,050 21,000 78,000 44,100 92,600 47,300 163,200 101,000	89,780 397,176 1,113,000 628,000 98,400 250,825 159,600 46,020 246,960 106,490 208,120 323,136 1,515

Genitope Corporation b Genoptix a,b GenVec a,b ImmunoGen a,b Lexicon Pharmaceuticals a,b MannKind Corporation a,b Momenta Pharmaceuticals a,b Neuralstem b Oncolytics Biotech a,b Orchid Cellmark a,b RTI Biologics a,b Sangamo BioSciences a,b Seattle Genetics a,b Senomyx a,b Sinovac Biotech a,b Strategic Diagnostics a,b Tapestry Pharmaceuticals a,b Theragenics Corporation a,b Trimeris	1,000 10,000 140,000 24,000 80,000 10,000 62,500 40,000 36,000 78,000 24,400 10,000 57,000 57,000 71,200 523,000 145,800 81,000	13 326,700 169,400 117,840 142,400 38,600 819,375 54,800 53,640 230,100 228,140 77,000 609,900 258,210 187,500 115,344 4,184 454,896 317,520
		7,874,584
Health Services - 4.3%  Air Methods a.b. Albany Molecular Research b. Bio-Imaging Technologies b. BML  Computer Programs and Systems  CorVel Corporation a.b. eResearch Technology b. Gentiva Health Services b. HMS Holdings a.b. Hooper Holmes a.b. MedCath Corporation a.b. On Assignment a.b. PharmaNet Development Group a.b. PharMerica Corporation a.b. RehabCare Group b. Sun Healthcare Group a.b. U.S. Physical Therapy a.b.	33,200 15,000 19,100 30,000 12,800 40,125 165,000 23,000 28,900 67,600 18,000 73,700 25,000 100,000 22,000 41,000	939,892 271,350 147,452 516,982 370,560 1,147,976 1,965,150 619,620 692,444 87,880 322,560 580,756 180,500 2,249,000 398,200 601,060 173,600
Medical Products and Devices - 6.0%  ABIOMED a.b. Allied Healthcare Products b. AngioDynamics a.b. Anika Therapeutics b. Atrion Corporation Caliper Life Sciences b. Cardiac Science a.b. CAS Medical Systems a.b. Celsion Corporation b. Cerus Corporation b. Conmed Corporation b. Cutera a.b. Cynosure Cl. A a.b. Del Global Technologies b. EPIX Pharmaceuticals a.b. Exactech b. HealthTronics a.b.	15,000 246,998 14,000 17,000 4,000 50,000 26,243 72,600 20,212 109,600 3,900 42,800 16,500 461,301 24,666 110,000 51,700	266,250 1,410,359 221,200 122,910 412,120 140,000 271,877 290,400 62,859 452,648 124,800 454,108 296,010 507,431 25,406 2,446,400 150,964

Kensey Nash b Medical Action Industries a,b Merit Medical Systems b Neurometrix a,b Neurometrix a,b Neurometrix a,b NMT Medical a,b Orthofix International a,b OrthoLogic Corporation b Palomar Medical Technologies a,b PLC Systems b SenoRx a,b SenoRx a,b Shamir Optical Industry Syneron Medical a,b Synovis Life Technologies a,b Thermage b Utah Medical Products Vital Images a,b Young Innovations	23,650 125,250 5,900 21,500 27,000 28,000 65,000 18,000 105,200 40,100 17,500 80,400 20,000 56,100 42,300 16,300 61,450	744,029 1,644,533 110,743 20,425 84,240 521,640 57,200 242,280 8,416 198,094 108,500 1,145,700 376,400 192,423 1,165,365 244,500 1,240,061
Total		37,622,739
Industrial Products [] 18.8%  Automotive - 0.9%  ATC Technology a,b Commerical Vehicle Group a,b International Textile Group b SORL Auto Parts a,b Spartan Motors Strattec Security US Auto Parts Network a,b Wescast Industries Cl. A b Wonder Auto Technology a,b Wonder Systems and Components - 1.3%	8,800 12,400 7,222 75,000 6,300 28,300 261,000 12,900 55,900	208,912 88,164 2,167 265,500 20,034 747,686 550,710 48,606 358,319 2,290,098
AAON Bunka Shutter LSI Industries	109,500 90,000 138,563	1,991,805 283,781 1,145,916
LSI muustries	130,303	3,421,502
Construction Materials - 3.0% Ash Grove Cement Monarch Cement Trex Company a,b	8,000 50,410 250,000	1,880,000 1,361,070 4,527,500 7,768,570
Industrial Components - 1.6%  C&D Technologies a,b  Deswell Industries  Gerber Scientific a,b  Orion Energy Systems a,b  Planar Systems a,b  Powell Industries b  Tech/Ops Sevcon  Zygo Corporation a,b	53,000 105,300 50,500 24,236 142,000 26,800 76,200 97,500	301,040 364,338 461,570 135,964 360,680 1,093,708 327,660 1,226,550

		4,271,510
Machinery - 3.9%		
Active Power b	187,500	110,625
Alamo Group	38,600	658,130
Astec Industries b	200	6,166
Burnham Holdings Cl. A	95,000	997,500
Columbus McKinnon a,b	11,300	266,341
Eastern Company (The)	39,750	536,625
Flow International a,b	25,000	127,000
FreightCar America	9,300	272,211
Gehl Company <u>b</u>	20,000	588,600
Gorman-Rupp Company	5,272	198,860
Hurco Companies <sup>a,b</sup>	26,500	783,605
Kadant <u>b</u>	16,600	377,982
K-Tron International b	1,500	193,245
Mueller (Paul) Company	9,650	443,900
StockerYale <u>b</u>	290,000	127,600
Sun Hydraulics	58,425	1,521,387
Tennant Company	88,200	3,021,732
Termant Company	80,200	3,021,732
		10,231,509
Metal Fabrication and Distribution - 1.5%		
Central Steel & Wire	1,088	696,320
Dynamic Materials	3,200	74,272
Encore Wire	15,000	271,650
Fushi Copperweld a,b	60,000	581,400
Insteel Industries	400	5,436
Ladish Company <u>b</u>	10,000	202,500
Metalico a,b	21,000	123,900
NN	114,300	1,468,755
Olympic Steel	10,000	294,900
Universal Stainless & Alloy Products <u>b</u>	7,700	196,735
		3,915,868
Miscellaneous Manufacturing - 3.1%		
PMFG a,b	168,800	2,445,912
Quixote Corporation	245,400	2,012,280
Raven Industries	73,000	2,872,550
Synalloy Corporation	58,200	788,610
		8,119,352
Paper and Packaging - 0.2%		
MOD-PAC Corporation <u>b</u>	23,200	77,720
Wausau Paper	50,000	506,500
waasaa raper	30,000	
		584,220
Pumps, Valves and Bearings - 0.5%		
CIRCOR International	28,000	1,216,040
Specialty Chemicals and Materials - 2.6%		
Aceto Corporation	284,419	2,727,578
American Vanguard	19,333	291,542
Balchem Corporation	33,750	900,112
·	,	,

Hawkins Metabolix a.b Park Electrochemical Symyx Technologies b	118,167 6,000 25,900 19,000	2,070,286 65,280 627,816 188,290
		6,870,904
Textiles - 0.2% Unifi <u>b</u>	100,000	484,000
Total		49,173,573
Industrial Services [] 15.6% Advertising and Publishing - 0.2%		
DG FastChannel <u>a.b</u> Voyager Learning <u>b</u>	6,000 125,000	131,520 450,000
		581,520
Commercial Services - 6.9%  Acacia Research-Acacia Technologies a.b  Animal Health International a.b  Canadian Solar a.b  Carlisle Group b  CBIZ a.b  CDI Corporation  ClearPoint Business Resources b  Diamond Management & Technology Consultants eTelecare Global Solutions ADR a.b  Exponent b  Forrester Research b  Geo Group (The) a.b  Heritage-Crystal Clean a.b  Hudson Highland Group b  Kforce b  Landauer  Lincoln Educational Services a.b  PeopleSupport b  Rentrak Corporation a.b  Spherion Corporation a.b  Spherion Corporation a.b  TravelCenters of America a.b  Volt Information Sciences a.b  Westaff b  Willdan Group a.b  Willdan Group a.b	124,450 90,000 25,000 188,800 87,000 9,000 120,000 138,100 53,500 117,600 101,500 68,300 15,000 21,300 19,152 43,300 179,500 13,300 31,300 31,300 100,000 75,700 52,834 362,500 40,100	375,839 741,600 488,250 159,401 735,150 200,970 18,000 647,689 442,980 3,891,384 2,975,980 1,380,343 202,500 105,640 561,550 1,549,575 253,381 506,177 312,330 183,939 95,465 487,000 356,250 679,786 391,500 130,500 110,275
Engineering and Construction - 2.5% Cavco Industries b Hanfeng Evergreen b Hill International a,b HLS Systems International a,b Insituform Technologies CI. A a,b Integrated Electrical Services a,b Nobility Homes Skyline Corporation	9,400 27,900 20,000 216,677 56,400 132,000 13,800 32,100	339,810 168,042 277,000 920,877 843,744 2,317,920 223,560 848,403

Sterling Construction a,b	43,300	701,460
		6,640,816
Food, Tobacco and Agriculture - 1.5% Cal-Maine Foods Farmer Bros. Galaxy Nutritional Foods b Imperial Sugar ML Macadamia Orchards L.P. b Origin Agritech a.b	45,000 42,400 4,700 20,120 120,200 191,488	1,234,800 1,054,488 846 272,425 408,680 1,024,461
Industrial Distribution - 1.0% Houston Wire & Cable Lawson Products Toshin Group	40,375 59,800 20,000	693,239 1,653,470 310,096
		2,656,805
Printing - 1.2% Bowne & Co. Champion Industries Courier Corporation Ennis Multi-Color Corporation Schawk	66,500 23,500 30,450 7,200 25,400 57,700	768,075 84,130 619,962 111,312 606,806 872,424
		3,062,709
Transportation and Logistics - 2.3% Air Transport Services Group a.b Euroseas Forward Air Frozen Food Express Industries Marten Transport b Patriot Transportation Holding a.b Universal Truckload Services b	100,000 38,000 50,700 92,000 17,450 3,000 134,200	74,000 302,860 1,380,561 497,720 340,449 237,000 3,269,112
Total		41,022,706
Natural Resources [] 10.1%  Energy Services - 4.3%  Boots & Coots International Well Control a,b  Bronco Drilling b  CE Franklin a,b  Dawson Geophysical a,b  Dril-Quip a,b  Environmental Power a,b  Foraco International  Gulf Island Fabrication  GulfMark Offshore a,b  ION Geophysical a,b  OYO Geospace a,b  Particle Drilling Technologies a,b  Pason Systems	200,000 25,200 43,600 2,613 45,000 115,000 40,000 3,416 55,400 43,500 12,630 1,512 209,200	386,000 257,544 293,428 122,001 1,952,550 253,000 56,378 117,749 2,486,352 617,265 496,106 317 2,575,072

Pioneer Drilling b T-3 Energy Services a,b Willbros Group b World Energy Solutions b	7,500 1,640 39,100 875,300	99,750 60,877 1,036,150 386,555 ——————————————————————————————————
Oil and Gas - 1.5%  Approach Resources b  Bonavista Energy Trust  Cano Petroleum ab  GeoMet ab  Gran Tierra Energy ab  Harvest Natural Resources ab  Kodiak Oil & Gas ab  Nuvista Energy ab  PetroCorp bc	12,000 40,100 26,000 75,000 80,200 45,000 80,000 121,000 104,200	173,520 990,584 60,060 408,000 297,542 455,400 120,000 1,421,189 0
Precious Metals and Mining - 2.3%  Allied Nevada Gold b Aquiline Resources b Aurizon Mines a.b Brush Engineered Materials a.b Chesapeake Gold b Duluth Metals b Endeavour Silver b Entree Gold b Etruscan Resources b Exeter Resource a.b Gammon Gold b Gateway Gold b Golden Star Resources b Horsehead Holding a.b Liberty Mines b Mercator Minerals b Minefinders Corporation b New Gold b Northgate Minerals b Quaterra Resources b Seabridge Gold a.b Uranium Resources a.b US Silver b Vista Gold a.b	136,050 33,900 197,000 15,500 20,000 87,500 50,000 177,900 20,000 210,000 83,836 400,000 168,100 13,500 11,900 13,800 182,900 9,400 372,500 36,000 186,200 270,000 40,000 5,000 18,565 79,700 50,000	3,926,295  778,206 132,829 512,200 287,835 101,292 71,529 105,000 240,165 13,155 426,300 620,386 48,861 255,512 27,653 15,990 81,420 32,653 38,863 385,013 271,800 921,690 356,400 67,653 85,000 31,375 13,854 113,500
Real Estate - 2.0% Avatar Holdings a.b HomeFed Corporation b Kennedy-Wilson a.b PICO Holdings b Pope Resources L.P.	35,949 11,352 21,500 45,700 33,000	1,186,317 493,585 838,500 1,641,087 938,850 5,098,339

Other Natural Resources - 0.0% Neo Material Technologies <u>b</u>	61,500	106,906
Total		26,364,768
Technology [] 22.8%  Aerospace and Defense - 2.6%  Aerovironment b  American Science & Engineering  Astronics Corporation b  Ducommun  HEICO Corporation  HEICO Corporation Cl. A  Integral Systems b  SIFCO Industries a,b  SIFCO Industries a,b	5,800 2,400 26,400 72,100 41,600 24,160 81,020 45,800	185,310 143,352 595,320 1,721,748 1,365,312 677,930 1,682,785 366,400
Components and Systems - 2.9% Aladdin Knowledge Systems b CSP a.b Evans & Sutherland Computer b Giga-tronics a.b InFocus Corporation b Keithley Instruments Maxwell Technologies b Measurement Specialties a.b MOCON MTS Systems Newport Corporation a.b OPTEX Company Richardson Electronics Rimage Corporation b SCM Microsystems a.b Spectrum Control a.b Super Micro Computer a.b TransAct Technologies b TransAct Technologies b	43,200 122,581 96,272 3,200 318,100 14,000 28,600 20,000 15,600 10,000 55,900 35,000 20,000 305,000 46,300 24,900 78,600	577,152 647,228 108,787 2,592 467,607 117,180 381,524 348,800 163,020 421,000 602,602 324,398 1,891,000 279,200 71,100 345,861 224,349 625,656
Distribution - 0.5%  Agilysys  Alliance Distributors Holding b  China 3C Group b  Nu Horizons Electronics a,b  Internet Software and Services - 0.7%  ActivIdentity Corporation a,b  Descartes Systems Group (The) b  iPass a,b  Jupitermedia Corporation a,b  NIC	90,000 343,400 181,300 40,000 20,000 49,200 190,000 355,800 26,800	7,599,056  908,100 103,020 246,568 160,000  1,417,688  45,400 180,564 410,400 412,728 184,920
United Online Website Pros <u>a,b</u>	22,478 58,450	211,518 315,630 1,761,160

IT Services - 4.5%	102.662	1 276 007
CIBER a,b	182,662	1,276,807
Computer Task Group <u>b</u> iGATE Corporation <u>a.b</u>	481,100	3,127,150
Rainmaker Systems <u>b</u>	273,400	2,370,378 4,500
Sapient Corporation b	2,000 500,000	3,715,000
Syntel	54,300	1,330,350
Yucheng Technologies <sup>a,b</sup>	4,500	45,675
racheng reciniologies	4,500	45,075
		11,869,860
		11,009,000
Semiconductors and Equipment - 4.0%		
Actions Semiconductor ADR <u>b</u>	44,450	109,347
ANADIGICS a,b	68,000	191,080
Cascade Microtech b	43,037	182,047
Catalyst Semiconductor a,b	269,800	1,211,402
CEVA b	47,534	394,532
Cohu	17,900	283,178
Eagle Test Systems <u>b</u>	17,423	266,746
Electroglas a,b	281,700	321,138
Exar Corporation b	121,208	928,453
GSI Technology b	41,300	147,441
Ikanos Communications a,b	102,600	203,148
Intevac a,b	40,550	431,452
JDS Uniphase a,b	54,283	459,234
Jinpan International	14,300	337,051
LeCroy Corporation <u>b</u>	2,000	15,380
Mattson Technology a,b	44,900	212,377
Melco Holdings	30,000	552,567
Nanometrics <u>b</u>	37,000	78,070
PDF Solutions a,b	85,000	442,000
Photronics <u>b</u>	29,750	55,930
Rudolph Technologies <u>a,b</u>	24,500	205,310
Semitool a,b	36,100	295,298
Sigma Designs <u>a,b</u>	7,400	105,228
SiRF Technology Holdings a,b	20,600	30,694
Trident Microsystems b	71,300	171,120
TTM Technologies b	159,500	1,582,240
Ultra Clean Holdings a,b	52,300	263,592
Virage Logic b	180,000	1,062,000
Zarlink Semiconductor <u>a,b</u>	160,600	69,058
		10.607.112
		10,607,113
Software - 5.1%		
ACI Worldwide b	97,600	1,709,952
American Software Cl. A	62,300	339,535
Bottomline Technologies a,b	20,000	208,000
Convera Corporation Cl. A <sup>a,b</sup>	170,000	181,900
DivX b	23,200	150,104
Fundtech <u>b</u>	51,000	706,860
ILOG ADR a,b	35,000	476,000
JDA Software Group a,b	59,500	904,995
OpenTV Cl. A a,b	108,400	152,844
PAR Technology a,b	88,900	636,524
Pegasystems	337,900	4,362,289
Phase Forward a,b	43,000	899,130
Phoenix Technologies a,b	32,310	258,157
PLATO Learning b	160,000	454,400
Renaissance Learning	2,365	30,721
SeaChange International a,b	20,000	193,200

SPSS a,b TeleCommunication Systems Cl. A a,b Unica Corporation a,b	41,800 10,000 35,000	1,227,248 69,100 274,400
·		13,235,359
Telecommunications - 2.5%  Anaren a.b. Atlantic Tele-Network Captaris b. Ceragon Networks a.b. Cogent Communications Group a.b. Communications Systems Diguang International Development b. GeoEye a.b. Global Telecom & Technology a.b. Globecomm Systems b. NETGEAR a.b. NMS Communications b. Novatel Wireless b. Novatel Wireless b. PC-Tel Performance Technologies b.	79,000 4,100 43,300 15,700 24,800 10,700 300,000 13,400 68,500 41,330 30,000 630,000 60,600 42,900 44,100 41,250	801,850 114,800 199,613 116,023 191,456 113,848 168,000 296,542 28,085 361,224 450,000 308,700 367,236 174,603 411,012 180,675
REMEC Sierra Wireless a.b Symmetricom a.b ViaSat b Westell Technologies Cl. A b Zhone Technologies b	143,387 14,700 61,982 66,612 100,000 1,031,600	91,768 146,559 308,051 1,570,711 71,000 196,004
		6,667,760
Total		59,896,153
Miscellaneous <u>d</u> [] 3.1% Total		8,188,817
TOTAL COMMON STOCKS (Cost \$275,454,882)		316,159,788
PREFERRED STOCK [] 0.5% Seneca Foods Conv. b (Cost \$943,607)	75,409	1,304,425
REPURCHASE AGREEMENT [] 0.8% State Street Bank & Trust Company, 0.20% dated 9/30/08, due 10/1/08, maturity value \$1,972,011 (collateralized by obligations of various U.S. Government Agencies, valued at \$2,026,344) (Cost \$1,972,000)		1,972,000
COLLATERAL RECEIVED FOR SECURITIES LOANED [] 13.6% Money Market Funds State Street Navigator Securities Lending Prime Portfolio (7 day yield-2.7654%)		
(Cost \$35,662,378)		35,662,378
TOTAL INVESTMENTS - 125 FO/		

 (Cost \$314,032,867)
 355,098,591

 LIABILITIES LESS CASH AND OTHER ASSETS [ (12.6)%
 (32,994,636)

 PREFERRED STOCK [ (22.9)%
 (60,000,000)

 NET ASSETS APPLICABLE TO COMMON STOCKHOLDERS [ 100.0%
 \$ 262,103,955

- <sup>a</sup> All or a portion of these securities were on loan at September 30, 2008. Total market value of loaned securities at September 30, 2008 was \$34,856,462.
- <sup>b</sup> Non-income producing.
- <sup>c</sup> Securities for which market quotations are not readily available represent 0.0% of net assets. These securities have been valued at their fair value under procedures established by the Fund so Board of Directors.
- d Includes securities first acquired in 2008 and less than 1% of net assets applicable to Common Stockholders. At September 30, 2008, the Fund owned 5% or more of the Company outstanding voting securities thereby making the Company an Affiliated Company as that term is defined in the Investment Company Act of 1940. The Fund effected the following transactions in shares of such companies during the period ended September 30, 2008:

Affiliated Company	Marke SharesValue 12/31/ <b>02</b> /31/	e Cost of	Cost of Sales	Realized Gain (Loss)	Dividend Income	Shares 9/30/08	Market Value
BKF Capital Group* Tapestry Pharmaceuticals*	4\$06, <b>950020</b> ,430 815, <b>264040</b> ,680	- \$13,272	\$ 73,854 267,621	\$ (32,865) (264,706)			
	\$1,147,110			\$ (297,571)	\$387,000		

<sup>\*</sup> Not an Affiliated Company at September 30, 2008.

**TAX INFORMATION:** The cost of total investments for Federal income tax purposes was \$315,076,131. At September 30, 2008, net unrealized appreciation for all securities was \$40,022,460, consisting of aggregate gross unrealized appreciation of \$99,974,467 and aggregate gross unrealized depreciation of \$59,952,007. The primary difference between book and tax basis cost is the timing of the recognition of losses on securities sold.

## Valuation of Investments:

Investment transactions are accounted for on the trade date. Securities are valued as of the close of trading on the New York Stock Exchange (NYSE) (generally 4:00 p.m. Eastern time) on the valuation date. Securities that trade on an exchange, and securities traded on Nasdaq\( \sigma \) Electronic Bulletin Board, are valued at their last reported sales price or Nasdaq official closing price taken from the primary market in which each security trades or, if no sale is reported for such day, at their bid price. Other over-the-counter securities for which market quotations are readily available are valued at their highest bid price. Securities for which market quotations are not readily available are valued at their fair value under procedures established by the Board of Directors. In addition, if, between the time trading ends on a particular security and the close of the customary trading session on the NYSE, events occur that are significant and may make the closing price unreliable, the Fund may fair value the security. The Fund uses an independent pricing service to provide fair value estimates for relevant non-U.S. equity securities on days when the U.S. market volatility exceeds a certain threshold. This pricing service uses proprietary correlations it has developed between the movement of prices of non-U.S. equity securities and indices of U.S.-traded securities, futures contracts and other indications to estimate the fair value of relevant non-U.S. securities. When fair value pricing is employed, the prices of securities used by the Fund may differ from quoted or published prices for the same security. Bonds and other fixed income securities may be valued by reference to other securities with comparable ratings, interest rates and maturities, using established independent pricing services. Investments in money market funds are valued at net asset value per share.

Various inputs are used in determining the value of the Fund\( \) investments. These inputs are summarized in the three broad levels below:

Level 1 [] quoted prices in active markets for identical securities

Level 2  $\square$  other significant observable inputs (including quoted prices for similar securities, foreign securities that may be fair valued and repurchase agreements)

Level 3  $\square$  significant observable inputs (including the Fund $\square$ s own assumptions in determining the fair value of investments)

The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

The following is a summary of the inputs used to value the Fund\(\partial\) investments as of September 30, 2008:

Level 1	Level 2	Level 3	Total
\$295,767,279	\$59,331,312	\$0	\$355,098,591

### **Repurchase Agreements:**

The Fund may enter into repurchase agreements with institutions that the Fund sinvestment adviser has determined are creditworthy. The Fund restricts repurchase agreements to maturities of no more than seven days. Securities pledged as collateral for repurchase agreements, which are held until maturity of the repurchase agreements, are marked-to-market daily and maintained at a value at least equal to the principal amount of the repurchase agreement (including accrued interest). Repurchase agreements could involve certain risks in the event of default or insolvency of the counter-party, including possible delays or restrictions upon the ability of the Fund to dispose of its underlying securities.

## **Securities Lending:**

The Fund loans securities to qualified institutional investors for the purpose of realizing additional income. Collateral on all securities loaned for the Fund is accepted in cash and cash equivalents and invested temporarily by the custodian. The collateral is equal to at least 100% of the current market value of the loaned securities. The market value of the loaned securities is determined at the close of business of the Fund and any additional required collateral is delivered to the Fund on the next business day.

Other information regarding the Fund is available in the Fund s most recent Prospectus and Report to Stockholders. This information is available through The Royce Funds (www.roycefunds.com) and on the Securities and Exchange Commission website (www.sec.gov).

### Item 2 - Controls and Procedures

- (a) The Registrant s principal executive and principal financial officers have concluded, based on their evaluation of the Registrant s disclosure controls and procedures as of a date within 90 days of the filing date of this report (as required by Rule 30a-3(b) under the Investment Company Act of 1940 (the Act )), that the Registrant s disclosure controls and procedures (as defined by Rule 30a-3(c) under the Act) are reasonably designed to ensure that information required to be disclosed by the Registrant on Form N-Q is recorded, processed, summarized and reported within the required time periods and that information required to be disclosed by the Registrant in the reports that it files or submits on Form N-Q is accumulated and communicated to the Registrant s management, including its principal executive and principal financial officers, as appropriate to allow timely decisions regarding required disclosure.
- (b) There were no changes in the Registrant s internal control over financial reporting (as defined in Rule 30a-3(d) under the Act) during the Registrant s last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the internal control over financial reporting.

#### Item 3 - Exhibits

Certifications pursuant to Rule 30a-2(a) under the Act are attached hereto.

### **SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Royce Micro-Cap Trust, Inc.

By:

### /s/ Charles M. Royce

Charles M. Royce

President, Royce Micro-Cap Trust, Inc.

Date: November 21, 2008

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

By:

### /s/ Charles M. Royce

Charles M. Royce

President, Royce Micro-Cap Trust, Inc.

Date: November 21, 2008

By:

### /s/ John D. Diederich

John D. Diederich

Treasurer, Royce Micro-Cap Trust, Inc.

Date: November 21, 2008