



MUTUAL FUNDS

John Hancock Large Cap Equity Fund

QUARTERLY PORTFOLIO HOLDINGS

7.31.2009

John Hancock Large Cap Equity Fund

Securities owned by the Fund on

July 31, 2009 (Unaudited)

| | Rate | Maturity date | Par value | Value |
|---|--------|---------------|---------------|------------------------|
| Bonds 0.00% | | | | \$70,300 |
| (Cost \$286,174) | | | | |
| Airlines 0.00% | | | | 70,300 |
| Northwest Airlines, Inc., Conv Sr Note (H) (S) | 7.625% | 11/15/23 | 3,000,000 | 7,800 |
| Northwest Airlines, Inc., Gtd Conv Sr Note (H) | 6.625 | 05/15/23 | 25,000,000 | 62,500 |
| Issuer | | | Shares | Value |
| Common stocks 97.56% | | | | \$2,058,049,638 |
| (Cost \$2,134,722,149) | | | | |
| Aerospace & Defense 0.75% | | | | 15,851,205 |
| Lockheed Martin Corp. | | | 126,341 | 9,445,253 |
| Raytheon Co. | | | 136,442 | 6,405,952 |
| Agricultural Products 3.16% | | | | 66,599,965 |
| Archer-Daniels-Midland Co. | | | 1,565,221 | 47,144,457 |
| Bunge, Ltd. | | | 278,055 | 19,455,508 |
| Airlines 0.00% | | | | 17,048 |
| Delta Air Lines, Inc. (I) | | | 2,460 | 17,048 |
| Aluminum 0.06% | | | | 1,199,838 |
| Alcoa, Inc. | | | 102,027 | 1,199,838 |
| Asset Management & Custody Banks 0.90% | | | | 19,010,670 |
| Franklin Resources, Inc. | | | 141,702 | 12,566,133 |
| State Street Corp. | | | 128,122 | 6,444,537 |
| Automobile Manufacturers 0.62% | | | | 13,089,168 |
| Ford Motor Co. (I) | | | 1,636,146 | 13,089,168 |
| Biotechnology 3.19% | | | | 67,352,636 |
| Amgen, Inc. (I) | | | 296,417 | 18,469,744 |
| Cephalon, Inc. (I)(L) | | | 418,144 | 24,524,146 |
| Genzyme Corp. (I) | | | 73,022 | 3,789,112 |
| Gilead Sciences, Inc. (I) | | | 420,389 | 20,569,634 |
| Broadcasting & Cable TV 0.62% | | | | 13,138,758 |
| CBS Corp. (Class B) | | | 1,604,244 | 13,138,758 |
| Communications Equipment 3.55% | | | | 74,922,035 |
| Cisco Systems, Inc. (I) | | | 714,236 | 15,720,334 |
| Corning, Inc. | | | 3,482,453 | 59,201,701 |
| Computer & Electronics Retail 1.83% | | | | 38,669,467 |
| Best Buy Co., Inc. | | | 1,034,773 | 38,669,467 |
| Computer Hardware 5.23% | | | | 110,369,761 |
| Apple, Inc. (I) | | | 257,610 | 42,090,898 |
| Dell, Inc. (I) | | | 5,103,054 | 68,278,863 |
| Computer Storage & Peripherals 2.13% | | | | 45,020,153 |
| EMC Corp. (I) | | | 2,989,386 | 45,020,153 |

John Hancock Large Cap Equity Fund

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July 31, 2009 (Unaudited)

| | Shares | Value |
|--|-----------|-------------------|
| Data Processing & Outsourced Services 3.67% | | 77,308,045 |
| Companhia Brasileira De Meios De Pagamento | 964,569 | 9,254,072 |
| Fiserv, Inc. (I) | 1,435,435 | 68,053,973 |
| Diversified Banks 1.13% | | 23,801,072 |
| Wells Fargo & Co. (L) | 973,061 | 23,801,072 |
| Diversified Financial Services 2.56% | | 53,908,986 |
| Bank of America Corp. | 2,562,511 | 37,899,538 |
| JPMorgan Chase & Co. | 414,216 | 16,009,448 |
| Diversified Metals & Mining 0.86% | | 18,114,743 |
| Avalon Rare Metals, Inc. (I) | 997,920 | 1,926,826 |
| Freeport-McMoRan Copper & Gold, Inc. (Class B) | 267,373 | 16,122,592 |
| Titanium Resources Group Ltd. (I) | 948,050 | 65,325 |
| Drug Retail 2.40% | | 50,522,107 |
| Walgreen Co. | 1,627,121 | 50,522,107 |
| Electric Utilities 2.10% | | 44,238,519 |
| American Electric Power Co., Inc. | 1,173,616 | 36,335,151 |
| FPL Group, Inc. | 139,463 | 7,903,368 |
| Electrical Components & Equipment 0.30% | | 6,432,311 |
| Emerson Electric Co. | 176,809 | 6,432,311 |
| Environmental & Facilities Services 2.43% | | 51,270,569 |
| Republic Services, Inc. | 1,927,465 | 51,270,569 |
| Gas Utilities 0.94% | | 19,912,427 |
| EQT Corp. | 518,823 | 19,912,427 |
| Gold 3.41% | | 71,895,807 |
| Barrick Gold Corp. | 1,960,426 | 68,418,867 |
| Goldcorp, Inc. | 92,251 | 3,476,940 |
| Health Care Distributors 3.23% | | 68,179,468 |
| Cardinal Health, Inc. | 415,599 | 13,839,447 |
| McKesson Corp. | 1,062,366 | 54,340,021 |
| Health Care Services 1.98% | | 41,763,650 |
| Express Scripts, Inc. (I) | 310,191 | 21,725,778 |
| Laboratory Corp. of America Holdings (I) | 298,227 | 20,037,872 |
| Heavy Electrical Equipment 1.57% | | 33,122,208 |
| ABB, Ltd., SADR (I)(L) | 1,811,937 | 33,122,208 |
| Home Entertainment Software 0.16% | | 3,385,110 |
| Electronic Arts, Inc. (I) | 157,667 | 3,385,110 |
| Home Improvement Retail 1.24% | | 26,116,421 |
| Lowe's Cos., Inc. | 1,162,797 | 26,116,421 |
| Homebuilding 0.91% | | 19,144,283 |
| Pulte Homes, Inc. | 1,683,754 | 19,144,283 |
| Hypermarkets & Super Centers 0.68% | | 14,272,484 |
| Costco Wholesale Corp. | 288,333 | 14,272,484 |

John Hancock Large Cap Equity Fund

Securities owned by the Fund on

July 31, 2009 (Unaudited)

| | Shares | Value |
|---|-----------|--------------------|
| Industrial Gases 0.00% | | 5,000 |
| Brazil Ethanol, Inc. (I)(S) | 500,000 | 5,000 |
| Integrated Oil & Gas 4.08% | | 86,028,639 |
| Suncor Energy, Inc. (L) | 2,648,665 | 86,028,639 |
| Internet Software & Services 2.89% | | 60,995,400 |
| eBay, Inc. (I) | 2,095,274 | 44,524,573 |
| Google, Inc. (Class A) (I) | 37,176 | 16,470,827 |
| Investment Banking & Brokerage 5.40% | | 113,816,029 |
| Charles Schwab Corp. | 3,867,230 | 69,107,400 |
| Goldman Sachs Group, Inc. | 183,315 | 29,935,340 |
| Morgan Stanley | 518,361 | 14,773,289 |
| Life & Health Insurance 0.60% | | 12,737,701 |
| MetLife, Inc. | 338,662 | 11,497,575 |
| Principal Financial Group Inc. | 52,326 | 1,240,126 |
| Managed Health Care 0.24% | | 5,042,068 |
| Aetna, Inc. | 186,951 | 5,042,068 |
| Metal & Glass Containers 1.26% | | 26,627,932 |
| Owens-Illinois, Inc. (I) | 784,559 | 26,627,932 |
| Movies & Entertainment 1.57% | | 33,023,913 |
| Viacom, Inc. (Class B) (I) | 1,425,903 | 33,023,913 |
| Multi-Media 1.89% | | 39,912,578 |
| News Corp. (Class B)(L) | 3,320,514 | 39,912,578 |
| Multi-Utilities 0.45% | | 9,535,913 |
| CMS Energy Corp. (L) | 736,933 | 9,535,913 |
| Oil & Gas Equipment & Services 0.16% | | 3,356,427 |
| Weatherford International, Ltd. (I) | 178,914 | 3,356,427 |
| Oil & Gas Exploration & Production 5.32% | | 112,211,082 |
| Canadian Natural Resources, Ltd. | 300,817 | 18,166,339 |
| Denbury Resources, Inc. (I) | 1,886,044 | 31,308,330 |
| Southwestern Energy Co. (I) | 1,514,275 | 62,736,413 |
| Oil & Gas Storage & Transportation 2.43% | | 51,218,075 |
| Southern Union Co. | 740,032 | 14,341,820 |
| Williams Cos., Inc. | 2,209,482 | 36,876,255 |
| Pharmaceuticals 3.62% | | 76,363,844 |
| Abbott Laboratories | 194,602 | 8,755,144 |
| Merck & Co., Inc. | 103,418 | 3,103,574 |
| Pfizer, Inc. | 4,049,286 | 64,505,126 |
| Property & Casualty Insurance 3.69% | | 77,769,134 |
| ACE, Ltd. | 770,805 | 37,815,693 |
| Berkshire Hathaway, Inc.(Class B)(I) | 12,562 | 39,953,441 |
| Publishing 1.58% | | 33,430,866 |
| Washington Post Co. (Class B) | 74,044 | 33,430,866 |

John Hancock Large Cap Equity Fund

Securities owned by the Fund on

July 31, 2009 (Unaudited)

| | Shares | Value |
|--|-----------|--------------------|
| Railroads 0.38% | | 8,088,247 |
| Burlington Northern Santa Fe Corp. | 102,917 | 8,088,247 |
| Regional Banks 0.65% | | 13,612,688 |
| PNC Financial Services Group, Inc. | 339,254 | 12,437,052 |
| Regions Financial Corp. | 265,981 | 1,175,636 |
| Specialized Finance 0.49% | | 10,435,853 |
| NASDAQ OMX Group, Inc. (I) | 493,888 | 10,435,853 |
| Specialty Chemicals 2.55% | | 53,740,299 |
| Ecolab, Inc. | 1,294,635 | 53,740,299 |
| Steel 0.38% | | 8,076,264 |
| Arcelormittal | 90,684 | 3,268,251 |
| Cliffs Natural Resources, Inc. | 175,539 | 4,808,013 |
| Systems Software 5.47% | | 115,353,134 |
| Microsoft Corp. | 3,683,379 | 86,644,834 |
| Symantec Corp. (I) | 1,922,360 | 28,708,300 |
| Water Utilities 0.19% | | 4,042,048 |
| American Water Works Co., Inc. | 205,076 | 4,042,048 |
| Wireless Telecommunication Services 0.66% | | 13,997,590 |
| Vodafone Group PLC, SADR | 680,155 | 13,997,590 |

| | Rate | Maturity date | Par value | Value |
|--|------|---------------|-----------|--------------------|
| Collateralized Mortgage Obligations 0.36% | | | | \$7,535,760 |
| (Cost \$6,096,126) | | | | |

| | Rate | Maturity date | Par value | Value |
|---|--------|---------------|-------------|------------------|
| Collateralized Mortgage Obligations 0.36% | | | | 7,535,760 |
| American Home Mortgage Investment Trust, Mtg Pass thru Ctf Ser 2007-1 Class GIOP, IO | 2.078% | 05/25/47 | 70,814,302 | 2,865,770 |
| Harborview Mortgage Loan Trust, Ser 2005-10-X, IO | 3.106 | 11/19/35 | 145,545,934 | 2,547,054 |
| Residential Accredit Loans, Inc., Ser 2005-Q02 Class X, IO | 1.201 | 09/25/45 | 169,834,915 | 2,122,936 |

| | Rate | Maturity date | Par value | Value |
|-------------------------------------|------|---------------|-----------|----------------------|
| Short-term investments 9.79% | | | | \$206,457,981 |
| (Cost \$206,459,165) | | | | |

| | Rate | Shares | Value |
|--|-------------|------------|--------------------|
| Cash Equivalents 0.00% | | | 162,658,200 |
| John Hancock Collateral Investment Trust(T)(W) | 0.4185% (Y) | 16,247,947 | 162,658,200 |

| | Rate | Maturity date | Par value | Value |
|--|--------|---------------|------------|-------------------|
| U.S. Government Agency 2.08% | | | | 43,799,781 |
| Federal Home Loan Bank, Discount Note | 0.090% | 08/03/09 | 43,800,000 | 43,799,781 |

John Hancock Large Cap Equity Fund

Securities owned by the Fund on

July 31, 2009 (Unaudited)

| | |
|--|------------------------|
| Total investments (Cost \$2,347,563,614)† 107.71% | \$2,272,113,679 |
| Other assets and liabilities, net (7.71%) | (\$162,737,709) |
| Total net assets 100.00% | \$2,109,375,970 |

The percentage shown for each investment category is the total value of the category as a percentage of the net assets of the Fund.

IO Interest Only

SADR Sponsored American Depositary Receipts

(H) Non-income-producing issuer filed for protection under the Federal Bankruptcy Code or is in default of interest payment.

(I) Non-income producing security.

(L) All or a portion of this security is on loan as of July 31, 2009.

(S) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.

(T) Represents investment of securities lending collateral.

(W) Issuer is an affiliate of John Hancock Advisers, LLC (the Adviser).

(Y) The rate shown is the annualized seven-day yield as of July 31, 2009.

† At July 31, 2009, the aggregate cost of investment securities for federal income tax purposes was \$2,374,941,820. Net unrealized depreciation aggregated \$102,828,141, of which \$186,037,761 related to appreciated investment securities and \$288,865,902 related to depreciated investment securities.

Notes to the Schedule of Investments (Unaudited)

Security valuation

Security Valuation Investments are stated at value as of the close of the regular trading on the New York Stock Exchange (NYSE), normally at 4:00 P.M., Eastern Time. Equity securities held by the Fund are valued at the last sale price or official closing price (closing bid price or last evaluated price if no sale has occurred) as of the close of business on the principal securities exchange (domestic or foreign) on which they trade. Debt obligations are valued based on the evaluated prices provided by an independent pricing service, which utilizes both dealer-supplied and electronic data processing techniques, which take into account factors such as institutional-size trading in similar groups of securities, yield, quality, coupon rate, maturity, type of issue, trading characteristics and other market data. Foreign securities and currencies are valued in U.S. dollars, based on foreign currency exchange rates supplied by an independent quotation service. Securities traded only in the over-the-counter market are valued at the last bid price quoted by brokers making markets in the securities at the close of trading. Equity and debt obligations, for which there are no prices available from an independent pricing service, are value based on broker quotes or fair valued as described below. Certain short-term debt instruments are valued at amortized cost. John Hancock Collateral Investment Trust (JHCIT), an affiliated registered investment company managed by MFC Global Investment Management (U.S.), LLC, a subsidiary of Manulife Financial Corporation (MFC), is valued at its net asset value each business day. JHCIT is a floating rate fund investing in money market instruments.

Other portfolio securities and assets for which no such quotations are readily available are valued at fair value as determined in good faith by the Fund's Pricing Committee in accordance with procedures adopted by the Board of Trustees. Generally, trading in non-U.S. securities is substantially completed each day at various times prior to the close of trading on the NYSE. The values of such securities used in computing the net asset value of the Fund's shares are generally determined as of such times. Occasionally, significant events that affect the values of such securities may occur between the times at which such values are generally determined and the close of the NYSE. Upon such an occurrence, these securities will be valued at fair value as determined in good faith under consistently applied procedures established by and under the general supervision of the Board of Trustees.

Valuations change in response to many factors including the historical and prospective earnings of the issuer, the value of the issuer's assets, general economic conditions and market conditions, interest rates, investor perceptions and market liquidity.

Fair Value Measurements

The Fund uses a three-tier hierarchy to prioritize the assumptions, referred to as inputs, used in valuation techniques to measure fair value. The three-tier hierarchy of inputs and the valuation techniques used are summarized below:

- Level 1 — Exchange traded prices in active markets for identical securities. This technique is used for exchange-traded domestic common and preferred equities, certain foreign equities, warrants, rights, options and futures. In addition, investment companies, including mutual funds, are valued using this technique.
- Level 2 — Prices determined using significant observable inputs. Observable inputs may include quoted prices for similar securities, interest rates, prepayment speeds and credit risk. Prices for securities valued using these techniques are received from independent pricing vendors and are based on an evaluation of the inputs described. These techniques are used for certain domestic preferred equities, certain foreign equities, unlisted rights and warrants, and fixed income securities. Also, over-the-counter derivative contracts, including swaps, foreign forward currency contracts, and certain options use these techniques.

- Level 3 — Prices determined using significant unobservable inputs. In situations where quoted prices or observable inputs are unavailable, such as when there is little or no market activity for an investment, unobservable inputs may be used. Unobservable inputs reflect the Trust's Pricing Committee's own assumptions about the factors that market participants would use in pricing an investment and would be based on the best information available. Securities using this technique are generally thinly traded or privately placed, and may be valued using broker quotes, which may not only use observable or unobservable inputs but may also include the use of the brokers' own judgments about the assumptions that market participants would use.

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 Funds' investments as of July 31, 2009, by major security category or security type.

| Investments in Securities | Level 1 | Level 2 | Level 3 | Total |
|--|------------------------|---------------------|--------------------|------------------------|
| <i>Equity Securities</i> | | | | |
| Consumer Discretionary | \$216,525,454 | - | - | \$216,525,454 |
| Consumer staples | 131,394,556 | - | - | 131,394,556 |
| Energy | 252,814,223 | - | - | 252,814,223 |
| Financials | 325,092,133 | - | - | 325,092,133 |
| Health Care | 258,701,666 | - | - | 258,701,666 |
| Industrials | 114,781,588 | \$7,800 | \$5,000 | 114,794,388 |
| Information Technology | 487,353,638 | - | - | 487,353,638 |
| Materials | 179,589,558 | 65,325 | - | 179,654,883 |
| Telecommunication Services | 13,997,590 | - | - | 13,997,590 |
| Utilities | 77,728,907 | - | - | 77,728,907 |
| <i>Fixed Income Securities</i> | | | | |
| Collateralized Mortgage Obligations | - | - | 7,535,760 | 7,535,760 |
| Corporate Bonds | - | - | 62,500 | 62,500 |
| Short-term Investments | 162,658,200 | 43,799,781 | - | 206,457,981 |
| Total Investments in Securities | \$2,220,637,513 | \$43,872,906 | \$7,603,260 | \$2,272,113,679 |

The following is a reconciliation of Level 3 assets for which significant unobservable inputs were used to determine fair value:

| | Collateralized Mortgage Obligations | Corporate Bonds | Industrials | Materials | Totals |
|--|--|------------------------|--------------------|------------------|--------------------|
| Balance as of 10/31/08 | \$11,847,674 | \$62,500 | \$5,000,000 | \$109,853 | \$17,020,027 |
| Accrued discounts/premiums | - | - | - | - | - |
| Realized gain (loss) | - | - | - | - | - |
| Change in Unrealized appreciation (depreciation) | 212,513 | - | (4,995,000) | - | (4,782,487) |
| Net purchases (sales) | (4,524,427) | - | - | - | (4,524,427) |
| Transfers in and/or out of Level 3 | - | - | - | (109,853) | (109,853) |
| Balance as of 7/31/09 | \$7,535,760 | \$62,500 | \$5,000 | - | \$7,603,260 |

Securities lending

The Fund may lend portfolio securities from time to time in order to earn additional income. The Fund retains beneficial ownership of the securities it has loaned and continues to receive interest and dividends associated with securities and to participate in any changes in their value. On the settlement date of the loan, the Fund receives cash collateral against the loaned securities and maintains the cash collateral in an amount no less than the market value of the loaned securities.

The market value of the loaned securities is determined at the close of business of the Fund. Any additional required cash collateral is delivered to the Fund or excess collateral is returned to the borrower on the next business day. Cash collateral received is invested in JHCIT. JHCIT is not a stable value fund and thus the Fund receives the benefit of any gains and bears any losses generated by JHCIT.

The Fund may receive compensation for lending their securities either in the form of fees, and/or by retaining a portion of interest on the investment of any cash received as collateral. If the borrower defaults on its obligation to return the securities loaned because of insolvency or other reasons, the Fund could experience delays and costs in recovering the securities loaned or in gaining access to the collateral. The Fund bears the risk in the event that invested collateral is not sufficient to meet obligations due on loans.

Risk and uncertainties**Sector risk**

The Fund may focus its investments in a particular industry, sector of the economy or invest in a limited number of companies. The focus is closely tied to a single sector of the economy which may cause the Fund to underperform other sectors. Specifically, technology companies can be hurt by economic declines, regulatory, market and other factors. Accordingly, this may make the Fund's value more volatile and investment values may rise and fall more rapidly than a fund that is less focused.

More information

Trustees

Patti McGill Peterson, *Chairperson*
James R. Boyle†
James F. Carlin
William H. Cunningham
Deborah C. Jackson*
Charles L. Ladner
Stanley Martin*
Dr. John A. Moore
Steven R. Pruchansky*††
Gregory A. Russo
John G. Vrysent

Officers

Keith F. Hartstein
President and Chief Executive Officer

Andrew G. Arnott‡
Chief Operating Officer

Thomas M. Kinzler
Secretary and Chief Legal Officer

Francis V. Knox, Jr.
Chief Compliance Officer

Michael J. Leary
Treasurer

Charles A. Rizzo
Chief Financial Officer

*Member of the Audit Committee
††Member of the Audit Committee effective 9-1-09
†Non-Independent Trustee
‡Effective 9-1-09

Investment adviser

John Hancock Advisers, LLC
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Subadviser

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Principal distributor

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