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

FORM 13F-HR
FORM 13F COVER PAGE

13FCONP 8/13/04

CONFIDENTIAL

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MAY 24 2004
OFFICE OF THE SECRETARY

NON-PUBLIC

CONFIDENTIAL TREATMENT EXPIRED

Report for the Calendar Year or Quarter Ended: 03/31/04

Check here if Amendment [ ]; Amendment Number: ____
This Amendment (Check only one.): [ ] is a restatement.
[ ] adds new holdings entries.

Institutional Investment Manager Filing this Report:

Name: CIBC World Markets CORP
Address: 417 Fifth Avenue, Fourth Floor
New York, NY 10016

13F File Number: 028-06918

The institutional investment manager filing this report and the person by whom it is signed hereby represent that the person signing the report is authorized to submit it, that all information contained herein is true, correct and complete, and that it is understood that all required items, statements, schedules, lists, and tables, are considered integral parts of this form.

Person Signing this Report on Behalf of Reporting Manager:

Name: Vince Saponar
Title: Executive Director
Phone: 212-667-6239

Signature, Place, and Date of Signing:

[Signature]	NEW YORK, NY [City, State]	05/10/04 [Date]

PROCESSED
FEB 04 2005
THOMSON FINANCIAL

Report Type (Check only one):

[x] 13F HOLDINGS REPORT. (Check here if all holdings of this reporting manager are reported in this report.)

[ ] 13F NOTICE. (Check here if no holdings reported are in this report, and all holdings are reported by other reporting manager(s).)

[ ] 13F COMBINATION REPORT. (Check here if a portion of the holdings for this reporting manager are reported in this report and a portion are reported by other reporting manager(s).)

List of Other Managers Reporting for this Manager: NONE

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FORM 13F SUMMARY PAGE

CONFIDENTIAL TREATMENT REQUESTED

Report Summary:

Number of Other Included Managers: 0

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Form 13F Information Table Entry Total: ___95___

Form 13F Information Table Value Total: $___149,107__
(thousands)

List of Other Included Managers: NONE

<TABLE>

<C> <C> <C> <C>

PAGE: 1 FORM 13F NAME OF REPORTING MANAGER: CIBC WORLD MARKETS CORP. DATE MAR04

(ITEM 1)	(ITEM 2)	(ITEM 3)	(ITEM 4)	(ITEM 5)	(ITEM 6) INVESTMENT DISCRETION			(ITEM 7)	(ITEM 8) VOTING AUTHORITY (SHARES)		
NAME OF ISSUES	TITLE OF CLASS	CUSIP NO	FAIR MARKET VALUE	SHARES OR PRINCIPAL AMOUNT	SOLE (A)	SHARED DEFINED (B)	SHARED OTHER (C)	MGR	SOLE (A)	SHARED (B)	NONE (C)
BUNGE LIMITED	COM	G16962105	899,360	22,400	22,400				22,400		
ASML HLDG NV	N Y SH	N07059111	98,285	5,362	5,362				5,362		
KERZNER INTERNATIONAL LTD	SHS	P6065Y107	1,139,795	25,700	25,700				25,700		
FLEXTRONICS INTL LTD	ORD	Y2573F102	3,069,186	179,800	179,800				179,800		
ADVANCED ENERGY INDS	NOTE	007973AC4	6,497,970	6,284,000	6,284,000				6284,000		
AGILYSYS INC	COM	00847J105	103,312	8,800	8,800				8,800		
AMAZON COM INC	NOTE	023135AF3	4,048,632	3,979,000	3,979,000				3979,000		
AMERISOURCE HEALTH CORP	NOTE	03071PAD4	4,313,091	3,738,000	3,738,000				3738,000		
AMKOR TECHNOLOGY INC	NOTE	031652AH3	25,125	25,000	25,000				25,000		
AMKOR TECHNOLOGY INC	NOTE	031652AN0	60,000	60,000	60,000				60,000		
ANNTAYLOR STORES CORP	SDCV	036115AC7	39,184	50,000	50,000				50,000		
AON CORP	DBCV	037389AT0	29,144	21,000	21,000				21,000		
ARRIS GROUP INC	NOTE	04269QAB6	782,355	407,000	407,000				407,000		
ATMEL CORP	SDCV	049513AE4	28,112	65,000	65,000				65,000		
AVAYA INC	NOTE	053499AA7	1,476,710	2,239,000	2,239,000				2239,000		
AXCELIS TECHNOLOGIES INC	NOTE	054540AB5	5,996,280	6,000,000	6,000,000				6000,000		
BROCADE COMMUNICATIONS SYS I	NOTE	111621AB4	1,118,431	1,201,000	1,201,000				1201,000		
CSX CORP	DBCV	126408GA5	9,240	11,000	11,000				11,000		
COMMSCOPE INC	NOTE	203372AB3	1,083,254	1,065,000	1,065,000				1065,000		
COMMUNITY HEALTH SYS INC NEW	NOTE	203668AA6	304,741	275,000	275,000				275,000		
COMPUTER NETWORK TECHNOLOGY	NOTE	204925AC5	3,644,440	4,000,000	4,000,000				4000,000		
CROWN CASTLE INTL CORP	COM	228227104	37,560	3,000	3,000				3,000		
CUBIST PHARMACEUTICALS INC	NOTE	229678AB3	2,394,600	2,600,000	2,600,000				2600,000		
CYMER INC	NOTE	232572AE7	3,013,975	2,871,000	2,871,000				2871,000		
CYPRESS SEMICONDUCTOR CORP	NOTE	232806AH2	1,125,662	764,000	764,000				764,000		
DEVON ENERGY CORP NEW	DEB	25179MAA1	5,156	5,000	5,000				5,000		
ELECTRO SCIENTIFIC INDS	NOTE	285229AC4	514,435	500,000	500,000				500,000		
ELECTRONIC DATA SYS NEW	NOTE	285661AF1	2,470,040	2,510,000	2,510,000				2510,000		
ENZON PHARMACEUTICALS INC	NOTE	293904AB4	5,623,203	5,863,000	5,863,000				5863,000		
FEI CO	NOTE	30241LAB5	19,800	20,000	20,000				20,000		
FEI CO	COM	30241L109	1,314,387	60,100	60,100				60,100		
FLIR SYS INC	NOTE	302445AB7	235,444	205,000	205,000				205,000		
FAIRCHILD SEMICONDUCTOR INTL	COM	303726103	191,600	8,000	8,000				8,000		
FINISAR	NOTE	31787AAC5	735,475	730,000	730,000				730,000		
FISHER SCIENTIFIC INTL INC	COM NE	338032204	1,694,924	30,800	30,800				30,800		
FREEPORT-MCMORAN COPPER & GO	NOTE	35671DAK1	202,012	125,000	125,000				125,000		
FREEPORT-MCMORAN COPPER & GO	CL B	35671D857	1,249	32	32				32		
GAP INC DEL	NOTE	364760AJ7	155,824	107,000	107,000				107,000		
GENZYME CORP	COM GE	372917104	153,183	3,262	3,262				3,262		
GILEAD SCIENCES INC	NOTE	375558AD5	132,178	100,000	100,000				100,000		
HNC SOFTWARE INC	NOTE	40425PAC1	12,117,055	11,005,000	11,005,000				11005,000		
HANOVER COMPRESSOR CO	NOTE	410768AC9	93,402	100,000	100,000				100,000		
HARTFORD FINL SVCS GROUP INC	COM	416515104	31,820	500	500				500		

CONFIDENTIAL TREATMENT REQUESTED

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HEALTH MGMT ASSOC INC NEW	CL A	421933102	2,092,640	90,200	90,200					90,200		
HUMAN GENOME SCIENCES INC	NOTE	444903AF5	1,485,000	1,500,000	1,500,000					1500,000		
HUMAN GENOME SCIENCES INC	NOTE	444903AH1	3,083,175	3,195,000	3,195,000					3195,000		
HUTCHINSON TECHNOLOGY INC	NOTE	448407AE6	1,187,544	990,000	990,000					990,000		
ICN PHARMACEUTICALS INC NEW	NOTE	448924AM2	5,171,850	4,880,000	4,880,000					4880,000		
INHALE THERAPEUTIC SYS INC	NOTE	457191AH7	494,595	500,000	500,000					500,000		
INTERNATIONAL RECTIFIER CORP	NOTE	460254AE5	3,804,930	3,786,000	3,786,000					3786,000		
INTERNATIONAL RECTIFIER CORP	COM	460254105	121,387	2,640	2,640					2,640		
PAGE TOTAL			84,470,752									

PAGE: 2 FORM 13F NAME OF REPORTING MANAGER: CIBC WORLD MARKETS CORP. DATE MAR04

(ITEM 1)	(ITEM 2)	(ITEM 3)	(ITEM 4)	(ITEM 5)	(ITEM 6) INVESTMENT DISCRETION			(ITEM 7)	(ITEM 8) VOTING AUTHORITY		
NAME OF ISSUES	TITLE OF CLASS	CUSIP NO	FAIR MARKET VALUE	SHARES OR PRINCIPAL AMOUNT	SOLE (A)	SHARED DEFINED (B)	SHARED OTHER (C)	MGR	SOLE (A)	(SHARES) SHARED (B)	NONE (C)
INVITROGEN CORP	NOTE	46185RAD2	3,840,809	3,568,000	3,568,000				3568,000		
INVITROGEN CORP	NOTE	46185RAF7	463,732	365,000	365,000				365,000		
IVAX CORP	NOTE	465823AD4	4,769,655	4,642,000	4,642,000				4642,000		
IVAX CORP	NOTE	465823AG7	284,088	280,000	280,000				280,000		
IVAX CORP	COM	465823102	820,566	36,053	36,053				36,053		
JETBLUE AWYS CORP	NOTE	477143AB7	20,345	20,000	20,000				20,000		
JOHNSON & JOHNSON	COM	478160104	157,046	3,100	3,100				3,100		
JUNIPER NETWORKS INC	COM	48203R104	3,286,326	126,300	126,300				126,300		
KULICKE & SOFFA INDS INC	NOTE	501242AJ0	1,122,518	1,109,000	1,109,000				1109,000		
LSI LOGIC CORP	NOTE	502161AG7	1,215,890	1,222,000	1,222,000				1222,000		
LSI LOGIC CORP	COM	502161102	983,502	105,300	105,300				105,300		
LTX CORP	NOTE	502392AE3	1,032,291	1,038,000	1,038,000				1038,000		
LAM RESEARCH CORP	NOTE	512807AE8	6,855,880	6,788,000	6,788,000				6788,000		
LAM RESEARCH CORP	COM	512807108	49,612	1,975	1,975				1,975		
LATTICE SEMICONDUCTOR CORP	NOTE	518415AE4	475,080	500,000	500,000				500,000		
LEVEL 3 COMMUNICATIONS INC	NOTE	52729NAS9	320,015	500,000	500,000				500,000		
LUCENT TECHNOLOGIES INC	DBCV	549463AH0	2,359,755	1,500,000	1,500,000				1500,000		
MANOR CARE INC NEW	COM	564055101	91,624	2,600	2,600				2,600		
MANUGISTICS GROUP INC	NOTE	565011AB9	245,625	250,000	250,000				250,000		
MAVERICK TUBE CORP	COM	577914104	112,992	4,800	4,800				4,800		
MEDIMMUNE INC	COM	584699102	219,260	9,500	9,500				9,500		
MESA AIR GROUP INC	NOTE	590479AB7	478,530	1,000,000	1,000,000				1000,000		
NAVISTAR FINL CORP	NOTE	638902AM8	70,860	67,000	67,000				67,000		
PHELPS DODGE CORP	PFD A	717265508	1,106,142	6,200	6,200				6,200		
PRIDE INTL INC DEL	FRNT	74153QAB8	471,171	403,000	403,000				403,000		
PRIMUS TELECOMMUNICATIONS GR	SDCV	741929AL7	78,155	77,000	77,000				77,000		
PROTEIN DESIGN LABS INC	NOTE	74369LAD5	3,156,604	2,245,000	2,245,000				2245,000		
PROVINCE HEALTHCARE CO	NOTE	743977AC4	261,950	260,000	260,000				260,000		
RPM INTL INC	NOTE	749685AK9	2,000,339	3,624,000	3,624,000				3624,000		
RED HAT INC	COM	756577102	46,100	2,000	2,000				2,000		
REGENERON PHARMACEUTICALS	COM	75886F107	6,785	500	500				500		
ROGERS COMMUNICATIONS INC	DBCV	775109AE1	344,468	365,000	365,000				365,000		
SCI SYS INC	NOTE	783890AF3	2,305,370	2,414,000	2,414,000				2414,000		
SANMINA SCI CORP	COM	800907107	27,550	2,500	2,500				2,500		
SCOTTISH ANNUITY & LIFE HLDG	NOTE	81013RAC9	874,496	675,000	675,000				675,000		
SEPRACOR INC	SDCV	817315AL8	2,042,743	1,985,000	1,985,000				1985,000		
SYMANTEC CORP	NOTE	871503AB4	1,502,946	551,000	551,000				551,000		
UNIVERSAL HLTH SVCS INC	DBCV	913903AL4	71,379	118,000	118,000				118,000		
VALEANT PHARMACEUTICALS INTL	COM	91911X104	119,350	5,000	5,000				5,000		
VEECO INSTRS INC DEL	NOTE	922417AB6	7,627,389	7,350,000	7,350,000				7350,000		
VISHAY INTERTECHNOLOGY INC	NOTE	928298AD0	3,679,832	5,955,000	5,955,000				5955,000		
VISHAY INTERTECHNOLOGY INC	COM	928298108	343,413	16,100	16,100				16,100		
VITESSE SEMICONDUCTOR CORP	SDCV	928497AB2	75,620	76,000	76,000				76,000		
WMS INDS INC	NOTE	929297AE9	9,218,206	5,220,000	5,220,000				5220,000		
PAGE TOTAL			64,636,009								
GRAND TOTAL			149,106,761								

CONFIDENTIAL TREATMENT REQUESTED