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The Conference Board®
Australia Business Cycle IndicatorsSM

THE CONFERENCE BOARD LEADING ECONOMIC INDEX $^{\text{\tiny TM}}$ (LEI) FOR AUSTRALIA

AND RELATED COMPOSITE ECONOMIC INDEXES FOR DECEMBER 2008

The Conference Board Leading Economic IndexTM (LEI) for Australia declined 0.9 percent and The Conference Board Coincident Economic IndexTM (CEI) for Australia increased 0.7 percent in December.

- TCB's LEI for Australia fell sharply again in December, the fourth consecutive decline in the index. Index levels were revised lower from September through November as a result of downward data revisions to real money supply, building approvals, and rural goods exports. The six-month change in the index has continued to decline -- to -2.3 percent (a -4.6 percent annual rate) in the period through December 2008, down from 1.4 percent (a 2.8 percent annual rate) for the first half of 2008. However, the strengths among the components have been slightly more widespread than the weaknesses over the past six months.
- TCB's CEI for Australia rose sharply in December, due primarily to a large jump in retail sales spurred by the economic stimulus package. The six-month growth rate in the index has increased to 1.5 percent (a 3.1 percent annual rate) in the period through December, up from 0.4 percent (about a 0.7 percent annual rate) for the first half of 2008, with the strengths among its components remaining widespread. Meanwhile, real GDP growth slowed to a 0.3 percent annual rate in the third quarter of 2008, down from the 1.9 percent average annual rate growth for the first half of the year.
- TCB's LEI for Australia began to decline in September 2008, and this decline has accelerated sharply in recent months. The fall in this index over the past six months is the largest since early 2001. Meanwhile, TCB's CEI for Australia, a measure of current economic conditions, has continued to increase during this period, but its growth has been well below the very rapid growth in the first half of 2007. The continued deterioration in TCB's LEI for Australia suggests that the economy will remain weak in the near term.

<u>LEADING INDICATORS.</u> Two of the seven components in The Conference Board Leading Economic IndexTM (LEI) for Australia increased in December. The positive contributors to the index —from the larger positive contributor to the smaller — are gross operating surplus* and the sales to inventories ratio*. Building approvals*, yield spread, money supply* and share prices declined, while rural goods exports* remained unchanged in December.

With the 0.9 percent decrease in December, TCB's LEI for Australia now stands at 112.8 (2004=100). Based on revised data, this index declined 1.1 percent in November and declined 0.3 percent in October. During the six-month period through December, the leading economic index decreased 2.3 percent, and four of the seven components increased (diffusion index, six-month span equals 57.1 percent).

<u>COINCIDENT INDICATORS.</u> Three of the four components in The Conference Board Coincident Economic IndexTM (CEI) for Australia increased in December. The increases - in order from the largest positive contributor to the smallest – occurred in retail trade, household gross disposable income*, and industrial production*. Employed persons held steady in December.

With the increase of 0.7 percent in December, the TCB's CEI for Australia now stands at 112.0 (2004=100). Based on revised data, this index remained unchanged in November and increased 0.2 percent in October. During the six-month period through December, this index increased 1.5 percent, with all four components in the series making positive contributions (diffusion index, six-month span equals 100.0 percent).

FOR TABLES AND CHARTS, SEE BELOW

<u>DATA AVAILABILITY</u>. The data series used by The Conference Board to compute The Conference Board Leading Economic IndexTM (LEI) for Australia and The Conference Board Coincident Economic IndexTM (CEI) for Australia reported in this release are those available "as of" 10 A.M. ET on February 24, 2009. Some series are estimated as noted below.

NOTES: Series in TCB's LEI for Australia that are based on The Conference Board estimates are sales to inventory ratio and gross operating surplus for private non-financial corporations, the implicit price index used to deflate rural goods exports and building approvals, and the CPI used to deflate money supply M3. Series in TCB's CEI for Australia that are based on The Conference Board estimates are industrial production and household disposable income. CPI was used to deflate retail trade.

Effective with this release, the seasonally adjusted retail trade data replaces the trend estimated series, the publication of which has been suspended by the Australia Bureau of Statistics.

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THE CYCLICAL INDICATOR APPROACH. The composite economic indexes are the key elements in an analytic system designed to signal peaks and troughs in the business cycle. The leading and coincident economic indexes are essentially composite averages of several individual leading or coincident indicators. (See page 3 for details.) They are constructed to summarize and reveal common turning point patterns in economic data in a clearer and more convincing manner than any individual component—primarily because they smooth out some of the volatility of individual components.

Historically, the cyclical turning points in the Leading Economic Index have occurred before those in aggregate economic activity, while the cyclical turning points in the Coincident Economic Index have occurred at about the same time as those in aggregate economic activity.

Further explanations of the cyclical indicator approach and the composite economic index methodology appear in The Conference Board's *Business Cycle Indicators* report and Web site: http://www.conference-board.org/economics/bci/.

^{*} See notes under data availability.

Australia Composite Economic Indexes: Components and Standardization Factors

Lea	ding Economic Index	<u>Factor</u>
1.	Yield Spread, 10 year minus Policy Rate	.1202
2.	Share Prices, All Ordinaries	.0437
3.	Money Supply, M3	.2540
4.	Rural Goods Exports	.0284
5.	Sales to Inventory Ratio	.3633
6.	Gross Operating Surplus, Private Non-Financial Corporations	.1336
7.	Building Approvals	.0567
Coi	ncident Economic Index	
1.	Retail Trade	.3459
2.	Industrial Production	.0953
3.	Employed Persons	.3761
4.	Household Disposable Income	.1827

Notes

The component factors are inversely related to the standard deviation of the month-to-month changes in each component. They are used to equalize the volatility of the contribution from each component and are "normalized" to sum to 1.

These factors were revised effective with the January 2009 release, and all historical values for the two composite economic indexes have been revised at the time to reflect the changes. (Under normal circumstances, updates to the leading and coincident economic indexes only incorporate revisions to data over the past six months.) The factors above were calculated using 1979 to 2007 as the sample period for measuring volatility for the Leading Economic Index, and 1982 to 2007 as the sample period for the Coincident Economic Index. There are additional sample periods as the result of different starting dates for the component data. When one or more components are missing, the other factors are adjusted proportionately to ensure that the total continues to sum to 1. For additional information on the standardization factors and the index methodology visit our Web site: http://www.conference-board.org/economics/bci/.

The trend adjustment factor for the leading economic index is -0.0595 calculated from 1960-1973, and -0.1527 calculated over the sample period 1974-2007.

To address the problem of lags in available data, those leading and coincident indicators that are not available at the time of publication are estimated using statistical imputation. An autoregressive model is used to estimate each component. The resulting indexes are constructed using real and estimated data, and will be revised as the data unavailable at the time of publication become available. Such revisions are part of the monthly data revisions, now a regular part of the U.S. Business Cycle Indicators program. The main advantage of this procedure is to utilize in the leading economic index the data, such as stock prices, that are available sooner than other data on "real" aspects of the economy, such as new orders and changes in inventory. Empirical research by The Conference Board suggests there are real gains in adopting this procedure to make all the indicator series as up-to-date as possible.

NOTICES

The schedule for 2009 for the "The Conference Board Leading Economic Index™ (LEI) for Australia" news release is:

Wednesday, March 25, 2009 January 2009 Data February 2009 Data Wednesday, April 29, 2009 March 2009 Data Wednesday, May 27, 2009 Wednesday, June 24, 2009 April 2009 Data Monday, July 27, 2009 May 2009 Data June 2009 Data Wednesday, August 26, 2009 July 2009 Data Tuesday, September 29, 2009 Wednesday, October 28, 2009 August 2009 Data September 2009 Data Monday, November 23, 2009 October 2009 Data Monday, December 21, 2009

All releases are at 8:00 PM EST (10:00 A M AEDST the next day).

About The Conference Board

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Australia Business Cycle Indicators Internet Subscription not currently available

(Includes monthly release, data, charts and commentary)

Individual Data Series not currently available

Monthly BCI Report \$ 275 per year

(Sample available at http://www.conference-board.org/publications/describeBCI.cfm)

BCI Handbook (published 2001) \$ 20

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The Conference Board Australia Business Cycle Indicators

Table 1.--Summary of Australia Composite Economic Indexes

		2008											
	Jun.	Jul.		Aug.		Sep.		Oct.		Nov.		Dec.	
Leading index	115.5	115.6	r	116.0	r	115.4	р	115.1	р	113.8	p	112.8	р
Percent change	0.0		r	0.3		-0.5	-	-0.3	•	-1.1	•	-0.9	р
Diffusion index	71.4	50.0		85.7		35.7	г	50.0	r	42.9	r	50.0	г
Coincident index	110.3	110.6	r	110.9	r	111.0	р	111.2	р	111.2	р	112.0	р
Percent change	0.2	0.3	r	0.3	r	0.1	р	0.2	р	0.0	p	0.7	р
Diffusion index	62.5	87.5		87.5		62.5		75.0		50.0		87.5	
	Dec to	Jan to		Feb to		Mar to		Apr to		May to		Jun to	
	Jun	Jul		Aug		Sep		Oct		Nov		Dec	
Leading index													
Percent change	1.4	1.8		2.3		1.4		0.4		-1.5		-2.3	
Diffusion index	57.1	42.9		64.3		42.9		57.1		42.9		57.1	
Coincident index													
Percent change	0.4	0.5		0.8		0.9		0.9		1.0		1.5	
Diffusion index	75.0	75.0		75.0		75.0		75.0		75.0		100.0	

p Preliminary. r Revised (noted only for index levels and one-month percent changes).

CALCULATION NOTE: The diffusion indexes measure the proportion of the components that are rising. Components that rise more than 0.05 percent are given a value of 1.0, components that change less than 0.05 percent are given a value of 0.5, and components that fall more than 0.05 percent are given a value of 0.0.

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The Conference Board Australia Business Cycle Indicators

Table 2.--Data and Net Contributions for Components of the Australia Leading Economic Index

	2008										
Component	Jun.		Jul.		Aug.		Sep.	Oct.	Nov.	Dec.	
	Australia Leading Economic Index component data										
Yield Spread (10 Year - Policy Rate, 3 month moving average)	-0.88		-0.81		-0.60		-0.91	-1.22	-1.48	-1.29	
Share Prices, All Ordinaries (Index 1995=100)	162.7		155.3		160.3		143.6	125.4	116.8	116.1	
Money Supply, M3 (Mill. Constant A\$, SA)	628158	r	639624	r	645372	r	655962 r	664785 r	672718 r	669895 ##	
Building Approvals, (Thous. '96-'97 A\$, SA, 3 month moving average)	6788515	r	6695660	r	6533572	r	6275283 r	5741019 r	5033647 r	4485100 #	
Rural Goods Exports, (Mill. Constant A\$, SA)	2126.1	r	2085.9	r	2199.0	r	2074.4 r	2505.5 r	2369.7 r	2371.8	
Sales to Inventories Ratio, SA (Q)	1.540		1.540		1.550		1.550 **	1.550 **	1.560 **	1.560 **	
Gross Operating Surplus, Private Non-Financial Corp. (Mill. '96-'97 A\$, SA, Q)	59919		60 57 4		61224		61777 **	62277 **	62749 **	63210 **	
LEADING INDEX (2004=100) Percent change from preceding month	115.5 0.0		115.6 0.1		116.0 0.3	r	115.4 p -0.5 p	115.1 p -0.3 p	113.8 p -1.1 p	112.8 p -0.9 p	
	Australia Leading Economic Index net contributions										
Yield Spread (10 Year - Policy Rate, 3 month moving average)			-0.10		-0.07		-0.11	-0.15	-0.18	-0.16	
Share Prices, All Ordinaries (Index 1995=100)			-0.20		0.14		-0.48	-0.59	-0.31	-0.03	
Money Supply, M3 (Mill. Constant A\$, SA)			0.46	r	0.23	r	0.41 r	0.34 r	0.30 r	-0.11	
Building Approvals, (Thous. '96-'97 A\$, SA, 3 month moving average)			-0.08		-0.14	r	-0.23 r	-0.50 r	-0.74 r	-0.65	
Rural Goods Exports, (Mill. Constant A\$, SA)			-0.05	r	0.15	r	-0.17	0.53	-0.16 r	0.00	
Sales to Inventories Ratio, SA (Q)			0.09		0.09		0.08 **	0.08 **	0.08 **	0.07 **	
Gross Operating Surplus, Private Non-Financial Corp. (Mill. '96-'97 A\$, SA, Q)			0.15		0.14		0.12 **	0.11 **	0.10 **	0.10 **	

p Preliminary. r Revised. - * Inverted series; a negative change in this component makes a positive contribution.

Data Sources: Australian Bureau of Statistics, Reserve Bank of Australia, Thomson Financial

CALCULATION NOTE--The percent change in the index does not always equal the sum of the net contributions

of the individual components (because of rounding effects and base value differences).

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[#] Estimates of the quarterly deflator (implicit price index) are used to deflate these series

^{##} Estimates of the quarterly deflator (CPI) are used to deflate money supply.

Money Supply (M3) level from April 2002 and on are derived from growth rates reported by the Reserve Bank of Australia
** Statistical Imputation (See page 2 for more details). Or Questartive active the

Statistical Imputation (See page 2 for more details) -- Q: Quarterly series; these series are converted to monthly through a linear interpolation

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The Conference Board Australia Business Cycle Indicators

Table 3.--Data and Net Contributions for Components of the Australia Coincident Economic Index

	2008												
Component	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.						
	Australia Coincident Economic Index component data												
Retail Trade (Mill. Constant A\$, SA, 3-month moving average)	11044.5 r	11063 r	11072.4 r	11072.0 r	11048.6 r	11036.1 r	11223.0						
Industrial Production (Index 1997-98=100, SA, Q)	104.5	104.5	104.6	104.7 **	104.7 **	104.8 **	104.9 **						
Employed Persons (Thousands of Persons, SA)	10708.3 r	10722.2	10733.4 r	10725.6 r	10758.3 r	10740.9 r	10740.9						
Household Gross Disposable Income, (Mill. Constant A\$, SA. Q)	109725.3 r	110690.6 r	111648.7 r	112653.1 **	113472.7 **	114185.9 **	114797.4 **						
COINCIDENT INDEX (2004=100) Percent change from preceding month	110.3 0.2	110.6 r		111.0 p 0.1 p	111.2 p 0.2 p	111.2 p 0.0 p	112.0 p 0.7 p						
	Australia Coincident Economic Index net contributions												
Retail Trade (Mill. Constant A\$, SA, 3-month moving average)		0.06 r	0.03 r	0.00 r	-0.07 r	-0.04 r	0.58						
Industrial Production (Index 1997-98=100, SA, Q)		0.00 r	0.00 r	0.01 **	0.01 **	0.01 **	0.01 **						
Employed Persons (Thousands of Persons, SA)		0.05 r	0.04 r	-0.03 r	0.11	-0.06 r	0.00						
Household Gross Disposable Income, (Mill. Constant A\$, SA. Q)		0.16 r	0.16 r	0.16 **	0.13 **	0.11 **	0.10 **						

^{*} Inverted Series, a negative change in this component makes a positive contribution

Data Sources: Australian Bureau of Statistics, Reserve Bank of Australia, Thomson Financial

CALCULATION NOTE--The percent change in the index does not always equal the sum of the net contributions

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^{**} Statistical Imputation (See page 2 for more details)

^{##} Estimates of the quarterly deflator (CPI) are used to deflate retail trade

Q Quarterly series; these series are converted to monthly through a linear interpolation.

