## OCC BANK DERIVATIVES REPORT FOURTH QUARTER 1998

## GENERAL

The OCC quarterly report on bank derivatives activities and trading revenues is based on quarterly call report information provided by U.S. commercial banks.

The notional amount of derivatives in insured commercial bank portfolios increased by $\$ 358$ billion in the fourth quarter, to $\$ 33.0$ trillion. Generally, changes in notional volumes are reasonable reflections of business activity but do not provide useful measures of risk. During the fourth quarter, the notional amount of interest rate contracts rose by $\$ 946$ billion, to $\$ 24.8$ trillion. Foreign exchange contracts decreased by $\$ 569$ billion, to $\$ 7.4$ trillion. This figure excludes spot foreign exchange contracts, which decreased by $\$ 433$ billion to, $\$ 375$ billion. Equity, commodity and other contracts fell by $\$ 1$ billion, to $\$ 684$ billion. Credit derivatives decreased by $\$ 18$ billion, to $\$ 144$ billion. The number of commercial banks holding derivatives decreased by 18, to 447. [See Tables $\underline{1}, \underline{2}$, and $\underline{3}$, Graphs $\underline{1}$ and $\underline{3}$.]

Seventy five percent of the notional amount of derivative positions was comprised of interest rate contracts with foreign exchange accounting for an additional 22 percent. Equity, commodity and other contracts accounted for only 2 percent of the total notional amount.
[See Table 3 and Graph 3.]
Holdings of off-balance sheet derivatives continue to be concentrated in the largest banks. Seven commercial banks account for 94 percent of the total notional amount of derivatives in the commercial banking system, with approximately 99 percent held by the top 25 banks. [See Tables $\underline{3}, \underline{5}$ and Graph 4.]

Over-the-counter (OTC) and exchange-traded contracts comprised 87 percent and 13 percent, respectively, of the notional holdings as of fourth quarter of 1998. [See Table 3.] OTC contracts tend to be more popular with banks and bank customers because they can be tailored to meet firm-specific risk management needs. However, OTC contracts expose participants to greater credit risk and tend to be less liquid than exchange-traded contracts, which are standardized and fungible.

The notional amounts of short-term contracts (i.e., with remaining maturities of less than one year) increased by $\$ 245$ billion from the third quarter of 1998 , to $\$ 12.8$ trillion. Contracts with remaining maturities of one to five years rose by $\$ 706$ billion, to $\$ 8.2$ trillion, and long-term (i.e.,
with maturities of five or more years) contracts increased by $\$ 488$ billion, to $\$ 3.6$ trillion. [See Tables $\underline{10}, \underline{11}$ and $\underline{12}$, Graphs $\underline{7}, \underline{8}$ and 9.]

## RISK

The notional amount is a reference amount from which contractual payments will be derived, but it is generally not an amount at risk. The risk in a derivative contract is a function of a number of variables, such as whether counterparties exchange notional principal, the volatility of the currencies or interest rates used as the basis for determining contract payments, and the credit worthiness of the counterparties in the transaction. Further, the degree of increase or reduction in risk taking must be considered in the context of a bank's aggregate trading positions as well as its asset and liability structure. Data describing fair values and credit risk exposures are more useful for analyzing point-in-time risk exposure, while data on trading revenues and contractual maturities provide more meaningful information on trends in risk exposure.

Table 4 contains summary data on counterparty credit exposures. The credit exposures shown are measured using the parameters contained in the risk-based capital guidelines of the U.S. banking agencies. There was a $\$ 1.9$ billion increase in the fourth quarter in total credit exposure from off-balance sheet contracts, to $\$ 402.8$ billion. Relative torisk-based capital, total credit exposures for the top seven banks increased to 324 percent of aggregated risk based capital in the fourth quarter of 1998 from 318 percent in the third quarter of 1998. The increase in the dollar amount of total credit exposure is largely due to the increased volume of activity during the quarter. Credit exposure would have been significantly higher without the benefit of bilateral netting agreements. The extent of the benefit can be seen by comparing gross positive fair values from Table 6 to the bilaterally-netted current exposures shown in Table 4. [See Tables $\underline{4}$ and $\underline{6}$, Graphs $\underline{5 \mathrm{a}}$ and $\underline{5 \mathrm{~b}}$.]

Past-due derivative contracts remained at nominal levels. For all banks, the book value of contracts past due 30 days or more aggregated only $\$ 66.8$ million, or .016 percent of total credit exposure from derivatives contracts. A more complete assessment of the magnitude of troubled derivative exposures would include derivative contracts accounted for on a non-accrual basis as well as past due contracts. Call Report instructions, however, currently do not require banks to report totals for derivative contracts accounted for on a non-accrual basis. Therefore, use of past-due information alone may not provide a complete picture of the extent of troubled derivative exposures.

During the fourth quarter of 1998 banks charged off $\$ 107$ million due to credit losses from offbalance sheet derivatives, or .03 percent of the total credit exposure from derivative contracts. For comparison purposes, net loan charge-offs relative to total loans for the quarter were . 64 percent. [See Graph 5c.]

The loss figures reported during the fourth quarter, as well as those that have been reported over the six quarters since June of 1997, reflect the volatile economic environments in Asia, Eastern

Europe and Latin America which have negatively affected the ability of some counterparties to perform. The generally high credit quality of counterparties and end-users with whom banks presently engage in derivatives transactions, the benefits from bilateral netting and the increasing use of collateral precluded higher losses than otherwise might have occurred during these extreme times.

The Call Report data reflect the significant differences in business strategies among the banks. The preponderance of trading activities, including both customer transactions and proprietary positions, is confined to the very largest banks. The banks with the 25 largest derivatives portfolios hold almost 97 percent of their contracts for trading purposes, primarily customer service transactions, while the remaining 3 percent are held for their own risk management needs. The trading contracts of these banks represent over 95 percent of all notional amounts in the commercial banking system. Smaller banks tend to limit their use of derivatives to risk management purposes. [See Table 5.]

The gross positive and gross negative fair values of derivatives portfolios are relatively balanced; that is, the value of positions in which the bank has a gain is not significantly different from the value of those positions with a loss. In fact, for derivative contracts held for trading purposes, the seven largest banks have $\$ 491$ billion in gross positive fair values and $\$ 487$ billion in gross negative fair values. Note that while gross fair value data is more useful than notional amounts in depicting meaningful market risk exposure, users must be cautioned that these figures do not include the results of cash positions in trading portfolios. Similarly, the data are reported on a legal entity basis and consequently do not reflect the effects of positions in portfolios of affiliates. [See Table 6.]

End-user positions, or derivatives held for risk management purposes, have aggregate gross positive fair values of $\$ 17.4$ billion, while the gross negative fair value of these contracts aggregated to $\$ 9.3$ billion. Readers should recognize that these figures are only useful in the context of a more complete analysis of each bank's asset/liability structure and risk management process. For example, these figures do not reflect the impact of off-setting positions on the balance sheet. [See Table 6.]

The notional amount of credit derivatives reported by insured commercial banks decreased by 11 percent from third quarter levels, or $\$ 18$ billion, to $\$ 144$ billion. Notional amounts for the fifteen commercially insured institutions that sold credit protection (i.e., assumed credit risk) to other parties was $\$ 61.1$ billion, a decrease of $\$ 5.3$ billion from third quarter levels. The notional amount for the fourteen commercial banks reporting credit derivatives that bought credit protection (i.e., hedged credit risk) from other parties was $\$ 82.9$ billion, a $\$ 12$ billion decrease from the third quarter. [See Tables $\underline{1}, \underline{3}$ and Graphs $\underline{2}, \underline{3}$ and 4.]

## REVENUES

The Call Report data include revenue information regarding trading activities involving cash instruments and off-balance sheet derivative instruments. The data also show the impact on net interest income and non-interest income from derivatives used in non-trading activities. Note that the revenue data reported in Table $\underline{7}$, Graphs $\underline{6 a}$ and $\underline{6 b}$ reflect figures for the fourth quarter alone, and are not annualized.

Relative to the third quarter of 1998, there was an increase in trading revenues from cash instruments and derivatives activities of $\$ 1.4$ billion, to $\$ 2.03$ billion in the fourth quarter. The top seven banks accounted for more than 75 percent of total trading revenue, compared to 35 percent in the third quarter. In the fourth quarter, revenues from interest rate positions increased by $\$ 953$ million, to $\$ 669$ million, while revenues from foreign exchange positions increased by $\$ 20$ million, to $\$ 1.2$ billion. Banks reported trading revenue of $\$ 156$ million from equity, commodity and other (e.g. emerging market debt) trading positions in the fourth quarter. [See Table 7, Graphs 6a and 6b.]

Derivatives held for purposes other than trading did not have a significant impact on either net interest income or non-interest income in the fourth quarter. Non-traded derivatives contributed $\$ 689$ million, or .69 percent to the gross revenues of banks with derivative contracts in the fourth quarter. These figures reflect an increase of $\$ 343$ million from the third quarter. These results are only useful in the context of a more complete analysis of each bank's asset/liability structure and risk management process.

## HIGH-RISK MORTGAGE SECURITIES AND STRUCTURED NOTES

The number of banks reporting either structured notes or high-risk mortgage securities remain largely confined to banks with total assets less than $\$ 10$ billion. The number of banks reporting high-risk mortgage securities increased by 32 to 466, in the fourth quarter. The fourth quarter aggregated numbers indicate that fair values exceeded book values by approximately $\$ 18$ million for high risk mortgage securities, a $\$ 35$ million deterioration from third quarter levels. The average book value of holdings for these banks relative to total assets for the fourth quarter of 1998 remained the same as third quarter levels, at 1.0 percent. Average appreciation to riskbased capital was .03 percent.

The number of banks reporting structured notes on their books decreased in the fourth quarter by 308 to 1,565 . Book values exceeded fair values by $\$ 23.5$ million for structured notes, a $\$ 44$ million dollar deterioration from the third quarter. For banks with structured notes, the average book value of holdings relative to total assets was .3 percent. The average amount of depreciation to risk-based capital was .02 percent. [See Table $\underline{8}$ and Table $\underline{9}$, Graphs $\underline{10}$ and 11.]

## Derivatives, Notionals by Type of User

$$
\text { Insured Commercial Banks } \quad \$ \text { Trillions }
$$



Note: Dotted line indicates that beginning in 1Q95, spot foreign exchange was not included in the definition of total derivatives.
Note: Categories do not include credit derivatives

## Derivative Contracts by Product

All Commercial Banks, Fourth Quarter 1998 Data Are Preliminary


Derivative Contracts by Product (\$ Billions)*

|  | $\frac{91 \text { Q4 }}{\$}$ | $\frac{92 \text { Q4 }}{\$}$ | $\frac{93 \text { Q4 }}{\Phi}$ | $\frac{94 \text { Q4 }}{\Phi}$ | $\frac{95 \text { Q4 }}{\$}$ | $\frac{96 \text { Q4 }}{\$}$ | $\frac{97 Q 4}{\$}$ | $\frac{98 \mathrm{Q} 1}{\Phi}$ | $\frac{98 Q 2}{\$}$ | $\frac{98 Q 3}{\$}$ | $\frac{98 Q 4}{\$}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Futures \& Fwrds | 3,876 | 4,780 | 6,229 | 8,109 | 7,399 | 8,041 | 9,550 | 9,379 | 10,003 | 11,644 | 10,918 |
| Swaps | 2,071 | 2,417 | 3,260 | 4,823 | 5,945 | 7,601 | 9,705 | 10,060 | 10,846 | 12,369 | 14,345 |
| Options | 1,393 | 1,568 | 2,384 | 2,841 | 3,516 | 4,393 | 5,754 | 6,518 | 7,197 | 8,467 | 7,592 |
| Credit Derivatives |  |  |  |  |  |  | 55 | 91 | 129 | 162 | 144 |
| TOTAL | 7,339 | 8,764 | 11,873 | 15,774 | 16,861 | 20,035 | 25,064 | 26,049 | 28,176 | 32,641 | 32,999 |

[^0]
## Derivatives Contracts by Type

All Commercial Banks, Fourth Quarter 1998 Data Are Preliminary


Derivative Contracts by Type (\$ Billions)*

|  | $\frac{91 \text { Q4 }}{(\$)}$ | $\frac{92 \text { Q4 }}{(\$)}$ | $\frac{93 \mathrm{Q} 4}{(\$)}$ | $\frac{94 \text { Q4 }}{(\$)}$ | $\frac{95 \text { Q4 }}{(\$)}$ | $\frac{96 \text { Q4 }}{(\$)}$ | $\frac{97 \text { Q4 }}{(\$)}$ | $\frac{98 \text { Q1 }}{(\$)}$ | $\frac{98 \text { Q2 }}{(\$)}$ | $\frac{98 \text { Q3 }}{(\$)}$ | $\frac{98 \text { Q4 }}{(\$)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Interest Rate | 3,837 | 4,872 | 7,210 | 9,926 | 11,095 | 13,427 | 17,085 | 18,361 | 20,053 | 23,839 | 24,785 |
| Foreign Exchange | 3,394 | 3,789 | 4,484 | 5,605 | 5,387 | 6,241 | 7,430 | 7,068 | 7,389 | 7,955 | 7,386 |
| Other Derivatives | 109 | 102 | 179 | 243 | 378 | 367 | 494 | 529 | 605 | 685 | 684 |
| Credit Derivatives |  |  |  |  |  |  | 55 | 91 | 129 | 162 | 144 |
| TOTAL | 7,340 | 8,763 | 11,873 | 15,774 | 16,861 | 20,035 | 25,064 | 26,049 | 28,176 | 32,641 | 32,999 |

*in billions of dollars; notional amount of futures, total exchange traded options, total over the counter options, total forwards, and total swaps. Note that data after 1994 do not include spot $\mathbf{f x}$ in the total notional amount of derivatives

Credit derivatives were reported for the first time in the first quarter of 1997. Currently, the Call Report does not differentiate credit derivatives by contract type, which have therefore been added as a separate category. As of the first quarter of 1997, credit derivatives have been included in the sum of total derivatives.

Note: numbers may not add due to rounding.
Data Source: Call Reports

## Seven Banks With Most Derivatives Dominate

All Commercial Banks, Fourth Quarter 1998 Data Are Preliminary \$ Billions


Concentration of Derivative Contracts, 98 Q4 (\$ Billions)*

|  | $\begin{gathered} \$ \\ \text { Top } 7 \text { Bks } \end{gathered}$ | $\text { Tot } \%$ | $\text { Rest }{ }_{4}^{\$}$ | $\text { ot } \frac{\%}{D e}$ | $\begin{gathered} \$ \\ 447 \\ \hline 1 \end{gathered}$ | $\text { 「ot } \frac{\%}{\text { Derivs }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Futures \& Fwrds | 10,281 | 31.2 | 636 | 1.9 | 10,918 | 33.1 |
| Swaps | 13,691 | 41.5 | 655 | 2.0 | 14,345 | 43.5 |
| Options | 6,950 | 21.1 | 643 | 1.9 | 7,592 | 23.0 |
| Credit Derivatives | 135 | 0.4 | 9 | 0 | 144 | 0.4 |
| TOTAL | 31,057 | 94.1 | 1,943 | 5.9 | 32,999 | 100.0 |

[^1]
## Percentage of Credit Exposure to Risk Based Capital

Top 7 Commercial Banks with Derivatives, Fourth Quarter 1998 Data Are Preliminary


Percentage of Credit Exposure to Risk Based Capital (top banks 98Q4) (\%)*

|  | $\underline{96 Q 1}$ | $\underline{96 Q 2}$ | $\underline{96 Q 3}$ | $\underline{96 Q 4}$ | $\underline{97 Q} 1$ | $\underline{97 Q 2}$ | $\underline{97 Q 3}$ | $\underline{97 Q 4}$ | $\underline{98 Q 1}$ | $\underline{98 Q 2}$ | $\underline{98 Q 3}$ | $\underline{98 Q 4}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Chase Man. Bk (CMB) | 175.8 | 262.5 | 255.9 | 265.8 | 280.6 | 288.3 | 308.2 | 329.5 | 325.7 | 334.3 | 367.5 | 380.3 |
| Chemical (CHL) | 278.7 | 264.8 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| Morgan Grnty (JPM) | 502.5 | 493.9 | 512.7 | 507.7 | 507.1 | 639.6 | 737.0 | 806.4 | 810.2 | 727.6 | 834.3 | 820.3 |
| Citibank (CCI) | 147.7 | 145.3 | 147.4 | 162.1 | 165.4 | 165.0 | 184.3 | 204.9 | 196.1 | 193.7 | 213.1 | 202.5 |
| NationsBank (NB) | 124.3 | 145.9 | 140.3 | 120.1 | 118.4 | 64.2 | 61.8 | 68.2 | 66.5 | 60.9 | 89.7 | 80.8 |
| Bankers Trust (BT) | 393.9 | 406.1 | 394.2 | 374.6 | 394.5 | 371.8 | 400.1 | 464.4 | 417.9 | 372.5 | 430.4 | 472.7 |
| Bk of America (BAC) | 114.2 | 118.5 | 114.2 | 112.0 | 92.8 | 93.9 | 83.5 | 92.2 | 83.6 | 77.4 | 93.5 | 90.3 |
| First Chicago (FCN) | 244.0 | 239.7 | 214.6 | 215.5 | 211.7 | 177.7 | 192.9 | 206.5 | 173.4 | 172.1 | 196.1 | 219.5 |

*Note: The third quarter 1996 Call Report reflected the merger between Chase and Chemical banks. Prior quarters are not merger-adjusted and may not be comparable.
Data Source: Call Report


## Quarterly Charge-Offs (Credit Losses) From Derivatives

All Commercial Banks with Derivatives, Fourth Quarter 1998 Data Are Preliminary


Quarterly Charge-Offs (Credit Losses) From Derivatives (\$ Millions)

| 96 Q1 | 96 Q2 | 96 Q3 | 96 Q4 | 97 Q1 | 97Q2 | 97Q3 | 97Q4 | 98Q1 | 98 Q2 | 98Q3 | 98Q4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2.0 | 16.9 | 18.0 | . 02 | . 05 | 2.2 | 57.0 | 95.9 | 135.5 | 93.7 | 445.4 | 107.2 |

## Quarterly Trading Revenue

Cash \& Off-Balance Sheet Positions
All Commercial Banks, Fourth Quarter 1998 Data Are Preliminary
\$ Millions


Cash \& Off-Balance Sheet Revenue (\$ Millions)*

95Q1 95Q2 95Q3 95Q4 96Q1 96Q2 96Q3 96Q4 97Q1 97Q2 $\underline{97 \mathrm{Q} 3} \underline{97 \mathrm{Q} 4} \underline{98 \mathrm{Q} 1} \underline{98 \mathrm{Q} 2} \underline{98 \mathrm{Q} 3} \underline{98 \mathrm{Q} 4}$


Foreign Exchange $\quad$| 616 | 520 | 761 | 592 | 628 | 732 | 514 | 767 | 690 | 908 | $1,0701,2811,3631,4141,1851,205$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

| Equity | 95 | 143 | 211 | 71 | 131 | 138 | 93 | 27 | 246 | 1 | 103 | -305 | 148 | 114 | -65 | 92 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

$\begin{array}{lllllllllllllllllllllll}\text { Comdty \& Other } & 41 & 45 & 7 & 24 & 60 & 95 & 137 & 82 & 97 & 115 & 125 & -320 & 124 & 98 & -222 & 64\end{array}$

Tot Trading Rev* 997 1,6311,9431,5661,9781,9171,7341,8662,3831,9622,4711,1902,7032,556 6142,030

Quarterly Trading Revenue as a Percentage of Gross Revenue Cash \& Off-Balance Sheet Positions
Top Commercial Banks with Derivatives, Fourth Quarter 1998 Data are Preliminary
\% of Gross Revenue


Trading Revenue as a Percentage of Gross Revenue (top banks, 98 Q4 ranking, ratios in \%)*

|  | $\underline{95}$ | $\underline{\mathrm{Q} 2}$ | $\underline{\mathrm{Q} 3}$ | $\underline{\mathrm{Q} 4}$ | $\underline{96}$ | $\underline{\mathrm{Q} 2}$ | $\underline{\mathrm{Q} 3}$ | $\underline{\mathrm{Q} 4}$ | $\underline{97}$ | $\underline{\mathrm{Q} 2}$ | $\underline{\mathrm{Q} 3}$ | $\underline{\mathrm{Q} 4}$ | $\underline{98}$ | $\underline{\mathrm{Q} 2}$ | $\underline{\mathrm{Q} 3}$ | $\underline{\mathrm{Q} 4}$ |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | $\underline{\mathrm{Q} 1}$ |  |  |  | $\underline{\mathrm{Q} 1}$ |  |  |  | $\underline{\mathrm{Q} 1}$ |  |  |  |  | $\underline{\mathrm{Q}}$ |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chase Man. Bk (CMB) | 1.8 | 6.1 | 6.5 | 5.2 | 5.0 | 5.9 | 5.5 | 5.0 | 7.2 | 8.6 | 7.8 | -0.7 | 7.5 | 5.7 | 2.3 | 7.9 |  |  |
| J.P. Morgan (JPM) | 11.7 | 13.2 | 15.6 | 13.3 | 24.1 | 24.2 | 17.7 | 15.7 | 19.4 | 12.6 | 17.7 | 9.1 | 23.0 | 22.7 | 4.0 | 14.3 |  |  |
| Citibank (CCI) | 5.8 | 7.9 | 6.9 | 6.1 | 4.7 | 5.2 | 6.9 | 5.5 | 8.9 | 3.5 | 8.9 | 6.0 | 7.9 | 7.6 | 4.3 | 5.3 |  |  |
| NationsBank (NB) | 5.1 | 3.9 | 4.2 | 2.2 | 3.5 | 3.4 | 0.9 | 3.6 | 4.6 | 1.4 | 2.1 | 1.4 | 1.5 | 2.1 | -0.2 | 0.9 |  |  |
| Bankers Trust (BT) | -12.4 | 8.1 | 15.1 | 5.8 | 12.3 | 9.0 | 9.6 | 10.8 | 13.7 | 9.7 | 10.1 | -1.5 | 8.0 | 5.2 | -5.3 | 5.6 |  |  |
| Bank America (BAC) | 3.5 | 1.3 | 4.8 | 5.3 | 3.6 | 3.6 | 3.4 | 3.8 | 3.2 | 3.9 | 3.5 | 0.7 | 4.5 | 2.5 | -5.7 | 2.4 |  |  |
| First Chicago (FCN) | 4.9 | 2.3 | 8.4 | 0.9 | 6.3 | 1.7 | -2.7 | -0.7 | 1.5 | 2.0 | 1.5 | -2.1 | 2.7 | 3.5 | 2.2 | -0.4 |  |  |
| Total \% (Top Banks) | 4.0 | 6.7 | 7.8 | 6.3 | 7.7 | 7.6 | 6.6 | 6.4 | 8.6 | 5.9 | 7.7 | 2.5 | 7.9 | 6.9 | 0.8 | 5.1 |  |  |
| Total \% (All Banks) | 1.4 | 2.3 | 2.6 | 2.0 | 2.6 | 2.5 | 2.3 | 2.4 | 3.0 | 2.4 | 2.8 | 1.3 | 3.0 | 2.7 | 0.7 | 2.1 |  |  |

* Note: Trading revenue figures above are for cash and off balance sheet activities. Revenue figures are for each quarter alone, not year-to-date.
* Note: The third quarter 1996 Call Report reflected the merger between Chase and Chemical. Prior quarters include the sum of Chase and Chemical Banks' trading figures for comparison purposes.

Data Source: Call Report

Notional Amounts for Interest Rate and Foreign Exchange Contracts by Maturity
All Commercial Banks, Fourth Quarter 1998 Data Are Preliminary
\$ Billions


Notional Amounts: Interest Rate and Foreign Exchange Contracts by Maturity (\$ Billions)*

95Q1 95Q2 95Q3 95Q4 96Q1 96Q2 96Q3 96Q4 97Q1 97Q2 97Q3 97Q4 98Q1 98Q2 98Q3 98Q4
$\mathrm{IR}:<1 \mathrm{yr} \quad 4,1174,2554,1753,9424,1764,3493,6084,3393,6504,6845,2114,9745,4015,7446,3846,923$

IR: 1-5 yr $\quad 2,9253,1073,1473,2153,5253,6873,9543,2233,3854,6915,1335,2305,2655,6736,9167,594$

| IR: > 5 yrs | 630 | 683 | 723 | 775 | 887 | 986 | 1,095 | 1,214 | 1,302 | 1,565 | 1,735 | 2,029 | 2,174 | 2,439 | 2,924 | 3,376 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FX: $<1 \mathrm{yr}$ | 4,833 | 4,465 | 4,802 | 4,206 | 4,445 | 4,771 | 4,902 | 4,826 | 5,144 | 5,347 | 5,483 | 5,639 | 5,213 | 5,390 | 5,959 | 5,666 |
| FX: 1-5 yr | 302 | 337 | 341 | 324 | 350 | 366 | 383 | 402 | 475 | 485 | 516 | 516 | 492 | 441 | 453 | 473 |
| FX: > 5 yrs | 82 | 76 | 84 | 87 | 92 | 100 | 104 | 113 | 116 | 133 | 143 | 151 | 167 | 158 | 167 | 193 |

*Note: Figures above exclude foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, basis swaps, and any other contracts not subject to risk-based capital requirements.
*Note: Currently, the Call Report does not include maturity breakouts for credit derivatives. Credit derivatives have been excluded here.

Data Source: Call Report

All Commercial Banks, Fourth Quarter 1998 Data Are Preliminary \$ Billions


Notional Amounts: Gold and Precious Metals Contracts by Maturity (\$ Billions)*

|  | 95Q1 | 95Q2 | 950 |  |  |  |  |  |  |  |  |  |  |  |  | 98Q4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Gold: < 1 yr | 20.4 | 22.8 | 28.4 | 35.9 | 38.8 | 36.5 | 46.8 | 39.4 | 34.2 | 35.0 | 44.1 | 42.6 | 39.7 | 37.0 | 40.6 | 36.0 |
| Gold: 1-5 yr | 9.4 | 9.5 | 10.6 | 16.1 | 16.4 | 15.6 | 15.6 | 17.4 | 22.9 | 14.3 | 13.6 | 15.4 | 17.7 | 23.5 | 24.3 | 23.2 |
| Gold: > 5 yrs | 1.2 | 1.4 | 1.3 | 1.9 | 2.4 | 1.7 | 1.7 | 2.0 | 2.4 | 2.9 | 3.1 | 4.2 | 4.9 | 9.1 | 9.2 | 9.2 |
| Prec Met: < 1 yr | 2.7 | 3.2 | 4.4 | 5.0 | 5.1 | 4.8 | 4.5 | 2.6 | 2.6 | 4.0 | 4.7 | 5.7 | 7.1 | 5.1 | 4.7 | 4.6 |
| Prec Met: 1-5 yr | 0.4 | 0.5 | 0.6 | 1.3 | 0.5 | 0.7 | 0.4 | 0.4 | 0.5 | 0.4 | 0.6 | 0.9 | 1.1 | 0.9 | 0.9 | 0.6 |
| Prec Met: > 5 yrs | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 |

[^2]Notional Amounts for Commodity and Equity Contracts by Maturity
All Commercial Banks, Fourth Quarter 1998 Data Are Preliminary
\$ Billions


| Notional Amounts: Commodity and Equity Contracts by Maturity (\$ Billions)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 95Q1 95Q2 95Q3 95Q4 96Q1 96Q2 96Q3 96Q4 97Q1 97Q2 97Q3 97Q4 98Q1 98Q2 98Q3 98Q4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Oth Comm: < 1 yi | 36.6 | 33.5 | 29.5 | 22.3 | 34.8 | 40.8 | 33.8 | 39.6 | 32.2 | 35.5 | 29.8 | 29.3 | 30.3 | 28.8 | 27.4 | 29.8 |
| Oth Comm: 1-5 yr | 13.2 | 18.3 | 15.3 | 9.1 | 12.9 | 12.7 | 11.9 | 11.4 | 11.0 | 9.3 | 10.6 | 12.5 | 14.7 | 19.4 | 20.8 | 18.3 |
| Oth Comm: > 5 yrs | 0.6 | 0.6 | 1.0 | 0.4 | 0.4 | 0.3 | 4.4 | 0.9 | 0.9 | 1.8 | 1.6 | 2.1 | 2.2 | 4.1 | 3.2 | 3.6 |
| Equity: < 1 yr | 62.2 | 63.8 | 62.9 | 61.8 | 63.1 | 69.2 | 55.4 | 54.2 | 61.4 | 68.7 | 77.1 | 84.0 | 99.2 | 109.3 | 119.91 | 121.8 |
| Equity: 1-5 yr | 26.5 | 25.1 | 20.2 | 22.8 | 22.9 | 24.3 | 23.3 | 27.2 | 35.7 | 31.7 | 39.1 | 47.4 | 50.9 | 58.2 | 79.2 | 90.3 |
| Equity: > 5 yrs | 0.7 | 1.4 | 4.1 | 11.1 | 5.7 | 2.8 | 2.0 | 6.1 | 3.2 | 8.9 | 2.6 | 13.4 | 12.0 | 9.2 | 16.0 | 26.3 |

[^3]
## Percent of Depreciation or Appreciation in High Risk Mortgage Securities to Risk Based Capital

All Commercial Banks by Asset Size ,Fourth Quarter 1998 Data Are Preliminary


Percent of (Depreciation) or Appreciation in High Risk Mortgage Securities to Risk Based Capital (\%)

95Q1 95Q2 95Q3 95Q4 96Q1 96Q2 96Q3 96Q4 97Q1 97Q2 97Q3 97Q4 98Q1 98Q2 98Q3 98Q4


\$500MM-\$1B $\quad-0.77-0.38-0.27-0.19-0.23-0.44-0.37-0.13-0.22-0.18-0.04-0.01 \quad 0.00-0.08-0.02-0.23$
$\begin{array}{lllllllllllllllllllllllllllllllllll}\text { \$1B- } \$ 10 \mathrm{~B} & -0.66 & -0.93 & -0.11 & 0.20 & -0.02 & -0.20 & -0.14 & -0.01 & -0.08 & -0.03 & 0.00 & 0.08 & 0.08 & 0.02 & 0.28 & 0.07\end{array}$

Avg All Bks (\%) $\quad-0.39-0.26-0.07-0.10-0.02-0.15-0.08-0.04-0.11-0.06$
to Risk Based Capital
All Commercial Banks by Asset Size, Fourth Quarter 1998 Data Are Preliminary
\% RBC


Percent of (Depreciation) or Appreciation in Structured Notes to Risk Based Capital (\%)


[^4]NOTIONAL AMOUNT OF OFF BALANCE SHEET DERIVATIVES CONTRACTS OF THE 25

## COMMERCIAL BANKS AND TRUST COMPANIES WITH THE MOST OFF BALANCE DERIVATIVE CONTRACTS

## DECEMBER 31, 1998, \$ MILLIONS

NOTE: DATA ARE PRELIMINARY


Note: Currently, the Call Report does not differentiate credit derivatives by contract type. Credit derivatives have been included in the sum of total derivatives here.
Note: Before the first quarter of 1995 total derivatives included spot foreign exchange. Beginning in the first quarter, 1995, spot foreign exchange was reported separately
Data source: Call Report, schedule RC-L

NOTIONAL AMOUNT OF OFF BALANCE SHEET DERIVATIVE CONTRACTS OF THE 25 HOLDING COMPANIES WITH THE MOST OFF BALANCE SHEET DERIVATIVES CONTRACTS

| RANK | HOLDING COMPANY STATE | $\begin{array}{r} \text { TOTAL } \\ \text { ASSETS } \\ \hline \end{array}$ | $\begin{array}{r} \text { TOTAL } \\ \text { DERIVATIVES } \\ \hline \end{array}$ | $\begin{gathered} \text { FUTURES } \\ \text { (EXCH TR) } \end{gathered}$ | $\begin{array}{r} \text { OPTIONS } \\ \text { (EXCH TR) } \\ \hline \end{array}$ | $\begin{array}{r} \text { FORWARDS } \\ (\mathrm{OTC}) \\ \hline \end{array}$ | $\begin{array}{r} \text { SWAPS } \\ (\text { OTC }) \\ \hline \end{array}$ | OPTIONS (OTC) | $\begin{array}{r} \hline \text { CREDIT } \\ \text { DERIVATIVES } \\ \text { (OTC) } \\ \hline \end{array}$ | $\begin{array}{r} \mathrm{SPOT} \\ \mathrm{FX} \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | CHASE MANHATTAN CORPORATION NY | \$365,875 | \$10,338,630 | \$531,066 | \$175,436 | \$3,219,030 | \$5,174,492 | \$1,214,307 | \$24,299 | \$14,412 |
| 2 | JP MORGAN \& CO, INCORPORATED NY | \$261,067 | \$8,709,397 | \$1,115,836 | \$665,379 | \$847,579 | \$3,846,426 | \$2,170,613 | \$63,563 | \$151,371 |
| 3 | CITIGROUP INC. NY | \$668,641 | \$7,884,191 | \$1,013,594 | \$176,563 | \$2,249,194 | \$3,325,441 | \$1,090,698 | \$28,701 | \$102,700 |
| 4 | BANKAMERICA CORPORATION NC | \$617,679 | \$4,406,922 | \$536,306 | \$645,458 | \$882,252 | \$1,663,304 | \$662,199 | \$17,403 | \$31,357 |
| 5 | BANKERS TRUST CORPORATION NY | \$133,115 | \$2,522,759 | \$116,134 | \$56,912 | \$699,104 | \$1,255,800 | \$385,076 | \$9,733 | \$39,785 |
| 6 | BANK ONE CORPORATION IL | \$261,496 | \$1,452,229 | \$74,931 | \$987 | \$364,508 | \$714,187 | \$297,556 | \$60 | \$19,903 |
| 7 | FIRST UNION CORPORATION NC | \$237,363 | \$274,245 | \$57,786 | \$31,903 | \$37,307 | \$99,681 | \$46,830 | \$738 | \$1,624 |
| 8 | BANK OF NEW YORK COMPANY NY | \$63,503 | \$268,228 | \$13,020 | \$17,850 | \$39,316 | \$43,057 | \$154,986 | \$0 | \$1,695 |
| 9 | WELLS FARGO \& COMPANY CA | \$202,475 | \$219,572 | \$70,789 | \$14,492 | \$45,605 | \$32,301 | \$56,360 | \$25 | \$220 |
| 10 | REPUBLIC NEW YORK CORPORATION NY | \$50,424 | \$194,597 | \$21,067 | \$996 | \$80,026 | \$37,418 | \$54,562 | \$528 | \$3,194 |
| 11 | BANKBOSTON CORPORATION MA | \$73,513 | \$147,200 | \$5,388 | \$43,311 | \$43,939 | \$32,010 | \$22,018 | \$535 | \$3,362 |
| 12 | STATE STREET CORPORATION MA | \$47,082 | \$139,162 | \$1,130 | \$0 | \$135,019 | \$1,661 | \$1,352 | \$0 | \$1,780 |
| 13 | FLEET FINANCIAL GROUP MA | \$104,554 | \$105,349 | \$24 | \$3,883 | \$8,614 | \$34,315 | \$58,513 | \$0 | \$601 |
| 14 | MELLON BANK CORPORATION PA | \$51,018 | \$73,426 | \$8,145 | \$0 | \$35,857 | \$16,341 | \$13,083 | \$0 | \$1,252 |
| 15 | KEYCORP OH | \$79,966 | \$66,313 | \$18,464 | \$3,948 | \$2,569 | \$31,413 | \$9,920 | \$0 | \$549 |
| 16 | NATIONAL CITY CORPORATION OH | \$88,246 | \$47,320 | \$3,401 | \$712 | \$6,245 | \$26,624 | \$10,246 | \$92 | \$31 |
| 17 | PNC BANK CORP PA | \$77,232 | \$46,146 | \$327 | \$0 | \$6,187 | \$21,312 | \$14,066 | \$4,255 | \$239 |
| 18 | ABN AMRO NORTH AMERICA, INC IL | \$61,308 | \$35,828 | \$11,417 | \$0 | \$424 | \$17,942 | \$6,045 | \$0 | \$11 |
| 19 | FIRST TENESSEE NATIONAL CORPORATIOI TN | \$18,735 | \$34,483 | \$0 | \$150 | \$8,909 | \$582 | \$24,842 | \$0 | \$0 |
| 20 | SUNTRUST BANKS, INC. GA | \$93,170 | \$34,224 | \$1 | \$0 | \$4,680 | \$21,585 | \$7,959 | \$0 | \$104 |
| 21 | WACHOVIA CORPORATION NC | \$64,123 | \$27,415 | \$152 | \$0 | \$3,029 | \$16,723 | \$5,218 | \$2,292 | \$406 |
| 22 | NORTHERN TRUST CORPORATION IL | \$27,870 | \$16,374 | \$201 | \$0 | \$13,582 | \$2,383 | \$209 | \$0 | \$545 |
| 23 | HSBC AMERICAS, INC. NY | \$33,944 | \$12,823 | \$2,815 | \$0 | \$1,742 | \$5,671 | \$2,595 | \$0 | \$17 |
| 24 | U.S. BANCORP MN | \$76,438 | \$10,605 | \$10 | \$0 | \$1,396 | \$7,979 | \$1,220 | \$0 | \$222 |
| 25 | UNIONBANCAL CORPORATION CA | \$32,301 | \$10,403 | \$0 | \$0 | \$1,498 | \$2,762 | \$6,142 | \$0 | \$166 |
| TOTALS FOR THE | P 25 HOLDING COMPANIES WITH DERIVATIVES | \$3,791,138 | \$37,077,841 | \$3,602,004 | \$1,837,980 | \$8,737,611 | \$16,431,410 | \$6,316,615 | \$152,224 | \$375,546 |

Note: In previous quarters, total derivatives included spot foreign exchange. Beginning in the first quarter, 1995, spot foreign exchange is reported separately
Data source: Consolidated Financial Statements for Bank Holding Companies, FR Y- 9, schedule HC-F

# DISTRIBUTION OF OFF BALANCE SHEET DERIVATIVES CONTRACTS OF THE 25 

COMMERCIAL BANKS AND TRUST COMPANIES WITH THE MOST OFF BALANCE SHEET DERIVATIVE CONTRACTS
DECEMBER 31, 1998, \$ MILLIONS, RATIOS IN PERCENT
NOTE: DATA ARE PRELIMINARY

| RANK | BANK NAME | STATE | $\begin{gathered} \text { TOTAL } \\ \text { ASSETS } \end{gathered}$ | $\begin{array}{r} \text { TOTAL } \\ \text { DERIVATIVES } \\ \hline \end{array}$ | PERCENT <br> EXCH TRADED <br> CONTRACTS | PERCENT OTC CONTRACTS | PERCENT INT RATE CONTRACTS | $\begin{array}{r} \text { PERCENT } \\ \text { FOREIGN EXCH } \\ \text { CONTRACTS } \end{array}$ | PERCENT OTHER CONTRACTS | PERCENT CREDIT DERIVATIVES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | (\%) | (\%) | (\%) | (\%) | (\%) | (\%) |
| 1 | CHASE MANHATTAN BANK | NY | \$296,717 | \$10,261,493 | 6.5 | 93.5 | 78.9 | 19.7 | 1.1 | 0.2 |
| 2 | MORGAN GUARANTY TR CO OF NY | NY | \$175,827 | \$8,653,584 | 20.2 | 79.8 | 82.9 | 13.1 | 3.3 | 0.7 |
| 3 | CITIBANK N A | NY | \$300,895 | \$3,625,333 | 5.0 | 95.0 | 43.1 | 53.7 | 2.5 | 0.7 |
| 4 | NATIONSBANK NATIONAL ASSN | NC | \$317,127 | \$2,700,901 | 36.0 | 64.0 | 94.9 | 3.0 | 1.5 | 0.6 |
| 5 | BANKERS TRUST CO | NY | \$104,558 | \$2,524,133 | 6.5 | 93.5 | 66.2 | 30.2 | 3.5 | 0.2 |
| 6 | BANK OF AMERICA NT\&SA | CA | \$257,479 | \$1,870,245 | 10.9 | 89.1 | 62.3 | 36.6 | 1.0 | 0.1 |
| 7 | FIRST NB OF CHICAGO | IL | \$74,201 | \$1,421,251 | 5.3 | 94.7 | 82.8 | 16.5 | 0.7 | 0.0 |
| 8 | BANK OF NEW YORK | NY | \$60,078 | \$274,292 | 11.3 | 88.8 | 52.5 | 47.5 | 0.0 | 0.0 |
| 9 | FIRST UNION NATIONAL BANK | NC | \$222,483 | \$268,892 | 31.5 | 68.5 | 95.3 | 4.4 | 0.1 | 0.3 |
| 10 | REPUBLIC NB OF NEW YORK | NY | \$46,460 | \$194,948 | 10.5 | 89.5 | 36.9 | 51.2 | 11.7 | 0.3 |
| 11 | BANKBOSTON NATIONAL ASSN | MA | \$69,547 | \$147,950 | 32.9 | 67.1 | 62.2 | 35.5 | 1.9 | 0.4 |
| 12 | STATE STREET BANK\&TRUST CO | MA | \$43,185 | \$139,162 | 0.8 | 99.2 | 2.2 | 97.8 | 0.0 | 0.0 |
| 13 | FLEET NATIONAL BANK | RI | \$75,601 | \$108,215 | 3.6 | 96.4 | 97.5 | 2.2 | 0.2 | 0.0 |
| 14 | MELLON BANK NATIONAL ASSN | PA | \$42,235 | \$76,060 | 10.7 | 89.3 | 53.2 | 46.3 | 0.4 | 0.0 |
| 15 | WELLS FARGO BANK NA | CA | \$87,262 | \$69,602 | 20.8 | 79.2 | 96.0 | 4.0 | 0.0 | 0.0 |
| 16 | KEYBANK NATIONAL ASSN | OH | \$73,862 | \$63,722 | 35.2 | 64.8 | 94.4 | 5.6 | 0.0 | 0.0 |
| 17 | PNC BANK NATIONAL ASSN | PA | \$71,230 | \$46,780 | 0.7 | 99.3 | 86.8 | 4.0 | 0.1 | 9.1 |
| 18 | NATIONAL CITY BANK | OH | \$31,049 | \$36,424 | 9.3 | 90.7 | 98.1 | 1.7 | 0.0 | 0.3 |
| 19 | FIRST TENNESSEE BANK NA | TN | \$17,786 | \$34,483 | 0.4 | 99.6 | 100.0 | 0.0 | 0.0 | 0.0 |
| 20 | BANK ONE NATIONAL ASSN | OH | \$30,413 | \$33,329 | 0.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| 21 | CHASE MANHATTAN BANK USA NA | DE | \$32,988 | \$26,831 | 0.0 | 100.0 | 99.2 | 0.1 | 0.7 | 0.0 |
| 22 | WACHOVIA BANK NATIONAL ASSN | NC | \$62,006 | \$27,833 | 0.0 | 100.0 | 80.7 | 11.1 | 0.0 | 8.2 |
| 23 | CHASE BANK OF TEXAS NA | TX | \$24,488 | \$22,657 | 11.5 | 88.5 | 85.1 | 5.4 | 9.5 | 0.0 |
| 24 | SUNTRUST BANK ATLANTA | GA | \$19,635 | \$22,592 | 0.0 | 100.0 | 92.3 | 4.2 | 3.5 | 0.0 |
| 25 | NORTHERN TRUST CO | IL | \$23,304 | \$17,519 | 1.1 | 98.9 | 22.6 | 77.4 | 0.0 | 0.0 |
| TOP 25 COMMERCI | L BANKS \& TCs WITH DERIVATIVES |  | \$2,560,417 | \$32,668,230 | \$4,251,086 | \$28,417,144 | \$24,479,646 | \$7,362,224 | \$682,621 | \$143,738 |
| OTHER 422 COMM | RCIAL BANKS \& TCs WITH DERIVATIV |  | \$1,676,891 | \$331,260 | \$33,647 | \$297,613 | \$305,190 | \$24,202 | \$1,600 | \$268 |
| TOTAL AMOUNTS | OR ALL 447 BKS \& TCs WITH DERIVAT |  | \$4,237,309 | \$32,999,490 | \$4,284,733 | \$28,714,757 | \$24,784,836 | \$7,386,426 | \$684,221 | \$144,006 |
| TOP 25 COMMERCI | L BANKS \& TC: \% OF ALL 447 BKS \&T | DERIVATI |  | 99.0 | 12.9 | 86.1 | 74.2 | 22.3 | 2.1 | 0.4 |
| OTHER 422 COMME | CCIAL BANKS \& TCS: \% OF ALL 447 BK | ITH DERI |  | 1.0 | 0.1 | 0.9 | 0.9 | 0.1 | 0.0 | 0.0 |
| TOTAL AMOUNTS | OR ALL 447 BKS \& TCS: \% OF ALL 447 B | WITH DE |  | 100.0 | 13.0 | 87.0 | 75.1 | 22.4 | 2.1 | 0.4 |

Note: Currently, the Call Report does not differentiate credit derivatives by over the counter or exchange traded. Credit derivatives have been included in the "over the counter" category as well as in the sum of total derivatives here.
Note: "Foreign Exchange" does not include spot fx.
Note: "Other" is defined as the sum of commodity and equity contracts.
Note: Before the first quarter of 1995 total derivatives included spot foreign exchange. Beginning in the first quarter, 1995, spot foreign exchange was reported separately.
Note: Numbers may not add due to rounding
Data source: Call Report, schedule RC-L

| RANK | BANK NAME | STATE | TOTAL ASSETS | $\begin{array}{r} \text { TOTAL } \\ \text { DERIVATIVES } \end{array}$ | BILATERALLY NETTED CURRENT EXPOSURE | FUTURE EXPOSURE (NEW RBC ADD ON) | TOTAL CREDIT EXPOSURE FROM ALL CONTRACTS | TOTAL CREDIT EXPOSURE TO CAPITAL RATIO |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  | (\%) |
| 1 | CHASE MANHATTAN BANK | NY | \$296,717 | \$10,261,493 | \$38,504 | \$61,042 | \$99,546 | 380.3 |
| 2 | MORGAN GUARANTY TR CO OF NY | NY | \$175,827 | \$8,653,584 | \$62,644 | \$55,868 | \$118,512 | 820.3 |
| 3 | CITIBANK N A | NY | \$300,895 | \$3,625,333 | \$31,184 | \$27,350 | \$58,534 | 202.5 |
| 4 | NATIONSBANK NATIONAL ASSN | NC | \$317,127 | \$2,700,901 | \$7,768 | \$13,005 | \$20,773 | 80.8 |
| 5 | BANKERS TRUST CO | NY | \$104,558 | \$2,524,133 | \$20,735 | \$20,074 | \$40,809 | 472.7 |
| 6 | BANK OF AMERICA NT\&SA | CA | \$257,479 | \$1,870,245 | \$9,530 | \$12,016 | \$21,546 | 90.3 |
| 7 | FIRST NB OF CHICAGO | IL | \$74,201 | \$1,421,251 | \$6,186 | \$9,425 | \$15,611 | 219.5 |
| 8 | BANK OF NEW YORK | NY | \$60,078 | \$274,292 | \$397 | \$372 | \$769 | 12.3 |
| 9 | FIRST UNION NATIONAL BANK | NC | \$222,483 | \$268,892 | \$2,476 | \$1,037 | \$3,513 | 17.5 |
| 10 | REPUBLIC NB OF NEW YORK | NY | \$46,460 | \$194,948 | \$1,763 | \$1,778 | \$3,541 | 81.8 |
| 11 | BANKBOSTON NATIONAL ASSN | MA | \$69,547 | \$147,950 | \$1,299 | \$845 | \$2,144 | 29.9 |
| 12 | STATE STREET BANK\&TRUST CO | MA | \$43,185 | \$139,162 | \$1,652 | \$1,358 | \$3,010 | 118.6 |
| 13 | FLEET NATIONAL BANK | RI | \$75,601 | \$108,215 | \$656 | \$459 | \$1,115 | 13.7 |
| 14 | MELLON BANK NATIONAL ASSN | PA | \$42,235 | \$76,060 | \$669 | \$471 | \$1,140 | 25.2 |
| 15 | WELLS FARGO BANK NA | CA | \$87,262 | \$69,602 | \$735 | \$249 | \$984 | 12.5 |
| 16 | KEYBANK NATIONAL ASSN | OH | \$73,862 | \$63,722 | \$686 | \$267 | \$954 | 12.3 |
| 17 | PNC BANK NATIONAL ASSN | PA | \$71,230 | \$46,780 | \$682 | \$176 | \$859 | 12.2 |
| 18 | NATIONAL CITY BANK | OH | \$31,049 | \$36,424 | \$425 | \$200 | \$625 | 22.8 |
| 19 | FIRST TENNESSEE BANK NA | TN | \$17,786 | \$34,483 | \$123 | \$91 | \$214 | 15.1 |
| 20 | BANK ONE NATIONAL ASSN | OH | \$30,413 | \$33,329 | \$577 | \$185 | \$761 | 27.4 |
| 21 | CHASE MANHATTAN BANK USA NA | DE | \$32,988 | \$26,831 | \$389 | \$106 | \$495 | 12.0 |
| 22 | WACHOVIA BANK NATIONAL ASSN | NC | \$62,006 | \$27,833 | \$327 | \$193 | \$521 | 6.7 |
| 23 | CHASE BANK OF TEXAS NA | TX | \$24,488 | \$22,657 | \$113 | \$147 | \$260 | 12.7 |
| $24$ | SUNTRUST BANK ATLANTA | GA | $\$ 19,635$ | \$22,592 | \$330 | \$185 | \$515 | 20.9 |
| 25 | NORTHERN TRUST CO | IL | $\$ 23,304$ | \$17,519 | \$185 | \$131 | \$316 | 16.3 |
|  |  |  |  |  |  |  |  |  |
| TOP 25 COMMERCIAL BANKS \& TCs WITH DERIVATIVES |  |  | \$2,560,417 | \$32,668,230 | \$190,035 | \$207,027 | \$397,062 | 109.5 |
| OTHER 422 COMMERCIAL BANKS \& TCs WITH DERIVATIVES |  |  | \$1,676,891 | \$331,260 | \$3,986 | \$1,801 | \$5,787 | N/A |
| TOTAL AMOUNTS FOR ALL 447 BKS \& TCs WITH DERIVATIVES |  |  | \$4,237,309 | \$32,999,490 | \$194,021 | \$208,829 | \$402,849 | 7.7 |

Commercial banks also hold on-balance sheet assets in volumes that are multiples of bank capital. For example:

| EXPOSURES FROM OTHER ASSETS | EXPOSURE TO RISK <br> BASED CAPITAL: <br> ALL BANKS |
| :--- | ---: |
| ALL COMMERCIAL BANKS | $148 \%$ |
| 1-4 FAMILY MORTGAGES | $174 \%$ |
| C\&I LOANS | $190 \%$ |

ote: The numbers reported above for future credit exposures reflect gross add-ons.
Note: The total credit exposure to capital ratio is calculated using risk based capital (tier one plus tier two capital),
Note: Currently, the Call Report does not differentiate credit derivatives by contract type. Credit derivatives have been included in the sum of total derivatives here
ote: Before the first quarter of 1995 total derivatives included spot foreign exchange. Beginning in the first quarter, 1995, spot foreign exchange was reported separately,
ource: Call Report Schedule RC-R

NOTIONAL AMOUNTS OF OFF BALANCE SHEET DERIVATIVES CONTRACTS HELD FOR TRADING OF THE 7 COMMERCIAL BANKS AND TRUST COMPANIES WITH THE MOST OFF BALANCE SHEET DERIVATIVES CONTRACTS DECEMBER 31, 1998, \$ MILLIONS, RATIOS IN PERCENT

NOTE: DATA ARE PRELIMINARY

| RANK | BANK NAME | STATE | $\begin{array}{r} \text { TOTAL } \\ \text { ASSETS } \end{array}$ | $\begin{array}{r} \text { TOTAL } \\ \text { DERIVATIVES } \\ \hline \end{array}$ | TOTAL HELD FOR TRADING \& MTM | HELD FOR <br> TRADING \& MTM | TOTAL NOT TRADED MTM \& NOT MTM | $\%$ NOT TRADED MTM \& NOT MTM |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | CHASE MANHATTAN BANK | NY | \$296,717 | \$10,237,194 | \$9,952,715 | 97.2 | \$284,479 | 2.8 |
| 2 | MORGAN GUARANTY TR CO OF NY | NY | \$175,827 | \$8,590,021 | \$8,500,218 | 99.0 | \$89,803 | 1.0 |
| 3 | CITIBANK NA | NY | \$300,895 | \$3,599,455 | \$3,450,753 | 95.9 | \$148,445 | 4.1 |
| 4 | NATIONSBANK NATIONAL ASSN | NC | \$317,127 | \$2,684,750 | \$2,615,359 | 97.4 | \$69,391 | 2.6 |
| 5 | BANKERS TRUST CO | NY | \$104,558 | \$2,520,057 | \$2,466,833 | 97.9 | \$53,224 | 2.1 |
| 6 | BANK OF AMERICA NT\&SA | CA | \$257,479 | \$1,868,943 | \$1,792,465 | 95.9 | \$76,478 | 4.1 |
| 7 | FIRST NB OF CHICAGO | IL | \$74,201 | \$1,421,231 | \$1,415,186 | 99.6 | \$6,045 | 0.4 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

Note: Currently, the Call Report does not differentiate between traded and non-traded credit derivatives. Credit derivatives have been excluded from the sum of total derivatives here.
Note: In previous quarters, total derivatives included spot foreign exchange. Beginning in the first quarter, 1995, spot foreign exchange is reported separately.
Data source: Call Report, schedule RC-L

GROSS FAIR VALUES OF OFF BALANCE SHEET DERIVATIVE CONTRACTS OF THE 7
COMMERCIAL BANKS AND TRUST COMPANIES WITH THE MOST OFF BALANCE SHEET DERIVATIVE CONTRACTS DECEMBER 31, 1998, \$ MILLIONS NOTE: DATA ARE PRELIMINARY

| RANK | BANK NAME | STATE | TOTAL ASSETS | $\begin{array}{r} \text { TOTAL } \\ \text { DERIVATIVES } \\ \hline \end{array}$ | TRADED : (MTM) GROSS POSITIVE FAIR VALUE* | TRADED : (MTM) GROSS NEGATIVE FAIR VALUE** | NOT TRADED : (MTM \& NOT MTM) GROSS POSITIVE FAIR VALUE* | NOT TRADED : (MTM \& NOT MTM) GROSS NEGATIVE FAIR VALUE** |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | CHASE MANHATTAN BANK | NY | \$296,717 | \$10,237,194 | \$141,628 | \$142,730 | \$2,291 | \$2,165 |
| 2 | MORGAN GUARANTY TR CO OF NY | NY | \$175,827 | \$8,590,021 | \$156,996 | \$153,889 | \$873 | \$388 |
| 3 | CITIBANK NA | NY | \$300,895 | \$3,599,455 | \$57,506 | \$57,644 | \$1,144 | \$660 |
| 4 | NATIONSBANK NATIONAL ASSN | NC | \$317,127 | \$2,684,750 | \$26,305 | \$26,919 | \$1,011 | \$124 |
| 5 | BANKERS TRUST CO | NY | \$104,558 | \$2,520,057 | \$55,707 | \$53,997 | \$585 | \$400 |
| 6 | BANK OF AMERICA NT\&SA | CA | \$257,479 | \$1,868,943 | \$28,826 | \$28,194 | \$1,527 | \$1,140 |
| 7 | FIRST NB OF CHICAGO | IL | \$74,201 | \$1,421,231 | \$23,711 | \$23,962 | \$104 | \$48 |
| TOP 7 COMMERCIAL BANKS \& TCs WITH DERIVATIVES |  |  | \$1,526,804 | \$30,921,651 | \$490,679 | \$487,335 | \$7,535 | \$4,925 |
| OTHER 440 COMMERCIAL BANKS \& TCs WITH DERIVATIVES |  |  | \$2,710,505 | \$1,933,833 | \$13,971 | \$13,540 | \$9,903 | \$4,340 |
| TOTAL AMOUNTS FOR ALL 447 BKS \& TCs WITH DERIVATIVES |  |  | \$4,237,309 | \$32,855,484 | \$504,649 | \$500,874 | \$17,437 | \$9,265 |

Note: Currently, the Call Report does not differentiate credit derivatives by gross negative and positive fair values. Credit derivatives have been excluded from the sum of total derivatives here
Note: Before the first quarter of 1995 total derivatives included spot foreign exchange. Beginning in the first quarter, 1995, spot foreign exchange was reported separately,
*Market value of contracts that have a positive fair value as of the end of the fourth quarter, 1998.
**Market value of contracts that have a negative fair value as of the end of the fourth quarter, 1998.
Note: Numbers may not sum due to rounding.
Data source: Call Report, schedule RC-L

TRADING REVENUE FROM CASH INSTRUMENTS AND OFF BALANCE SHEET DERIVATIVES OF THE 7
COMMERCIAL BANKS AND TRUST COMPANIES WITH THE MOST OFF BALANCE SHEET DERIVATIVE CONTRACTS
DECEMBER 31, 1998, \$ MILLIONS
NOTE: DATA ARE PRELIMINARY
NOTE: REVENUE FIGURES ARE FOR FOURTH QUARTER (NOT YEAR-TO-DATE)

| RANK | BANK NAME | STATE | TOTAL ASSETS | $\begin{array}{r} \text { TOTAL } \\ \text { DERIVATIVES } \\ \hline \end{array}$ | TOTAL TRADING REV FROM CASH \& OFF BAL SHEET POSITIONS | TRADING REV FROM INT RATE POSITIONS | TRADING REV FROM FOREIGN EXCH POSITIONS | TRADING REV FROM EQUITY POSITIONS | TRADING REV FROM COMMOD \& OTH POSITIONS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | CHASE MANHATTAN BANK | NY | \$296,717 | \$10,237,194 | \$458 | \$226 | \$144 | (\$4) | \$92 |
| 2 | MORGAN GUARANTY TR CO OF NY | NY | \$175,827 | \$8,590,021 | \$381 | \$124 | \$183 | \$92 | (\$18) |
| 3 | CITIBANK NA | NY | \$300,895 | \$3,599,455 | \$416 | \$21 | \$312 | \$83 | \$0 |
| 4 | NATIONSBANK NATIONAL ASSN | NC | \$317,127 | \$2,684,750 | \$50 | \$37 | \$5 | \$8 | \$1 |
| 5 | BANKERS TRUST CO | NY | \$104,558 | \$2,520,057 | \$108 | \$83 | \$95 | (\$71) | \$1 |
| 6 | BANK OF AMERICA NT\&SA | CA | \$257,479 | \$1,868,943 | \$119 | (\$1) | \$139 | \$0 | (\$19) |
| 7 | FIRST NB OF CHICAGO | IL | \$74,201 | \$1,421,231 | (\$4) | (\$12) | \$20 | (\$13) | \$1 |
| TOP 7 COMMERCI | BANKS \& TCs WITH DERIVATIVES |  | \$1,526,804 | \$30,921,651 | \$1,529 | \$478 | \$898 | \$95 | \$58 |
| OTHER 440 COMM | CIAL BANKS \& TCs WITH DERIVATIV |  | \$2,710,505 | \$1,933,833 | \$501 | \$191 | \$307 | (\$3) | \$6 |
| TOTAL AMOUNTS | OR ALL 447 BKS \& TCs WITH DERIVAT |  | \$4,237,309 | \$32,855,484 | \$2,030 | \$669 | \$1,205 | \$92 | \$64 |

Note: Currently, the Call Report does not include trading revenues from credit derivatives. Credit derivatives have been excluded from the sum of total derivatives here
Note: Trading revenue is defined here as "trading revenue from cash instruments and off balance sheet derivative instruments."
Note: Before the first quarter of 1995 total derivatives included spot foreign exchange. Beginning in the first quarter, 1995, spot foreign exchange was reported separately
Note: Numbers may not sum due to rounding.
Data source: Call Report, schedule RC-I

HIGH RISK MORTGAGE SECURITIES
FOR ALL COMMERCIAL BANKS REPORTING HIGH RISK MORTGAGE SECURITIES
DECEMBER 31, 1998, \$ MILLIONS, RATIOS IN PERCENT
NOTE: DATA ARE PRELIMINARY

FOR UNIVERSE OF BANKS WITH HIGH RISK MORTGAGE SECURITIES


STRUCTURED NOTES
FOR ALL COMMERCIAL BANKS REPORTING STRUCTURED NOTES
DECEMBER 31, 1998, \$ MILLIONS, RATIOS IN PERCENT NOTE: DATA ARE PRELIMINARY

FOR UNIVERSE OF BANKS WITH STRUCTURED NOTES


NOTIONAL AMOUNT OF OFF BALANCE SHEET DERIVATIVES CONTRACTS BY CONTRACT TYPE \& MATURITY FOR THE 7 COMMERCIAL BANKS AND TRUST COMPANES WITH THE MOST OFF BALANCE DERIVATIVE CONTRACTS DECEMBER 31, 1998, \$ MILLIONS
OTE: DATA ARE PRELIMINAR


Note: Currently, the Call Report does not include maturity breakouts for credit derivatives. Credit derivatives have been excluded from the sum of total derivatives here.
Note: Before the first quarter of 1995 total derivatives included spot foreign exchange. Beginning in the first quarter, 1995 , spot foreign exchange was reported separately.
Note: Figures above exclude foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, basis swaps, and any contracts not subject to risk-based capital requirements.
Data source: Call Report, schedule RC-R

NOTIONAL AMOUNT OF OFF BALANCE SHEET DERIVATIVES CONTRACTS BY CONTRACT TYPE \& MATURITY FOR THE 7
COMMERCIAL BANKS AND TRUST COMPANIES WITH THE MOST OFF BALANCE DERIVATIVE CONTRACTS
LIONS NOTE: DATA ARE PRELIMINARY

| RANK | BANK NAME | STATE | $\begin{array}{r} \text { TOTAL } \\ \text { ASSETS } \end{array}$ | $\begin{array}{r} \text { TOTAL } \\ \text { DERIVATIVES } \\ \hline \end{array}$ | $\begin{array}{r} \hline \text { GOLD } \\ \text { MATURITY } \\ <1 \text { YR } \\ \hline \end{array}$ | $\begin{array}{r} \text { GOLD } \\ \text { MATURITY } \\ 1-5 \text { YRS } \end{array}$ | $\begin{array}{r} \text { GOLD } \\ \text { MATURITY } \\ >5 \text { YRS } \\ \hline \end{array}$ | GOLD ALL MATURITIES | PREC METALS MATURITY $<1$ YR | PREC METALS MATURITY <br> 1-5 YRS | PREC METALS MATURITY $>5$ YRS | PREC METALS MATURITIES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | CHASE MANHATTAN BANK | NY | \$296,717 | \$10,237,194 | \$7,542 | \$11,237 | \$5,316 | \$24,095 | \$209 | \$40 | \$0 | \$249 |
| 2 | MORGAN GUARANTY TR CO OF NY | NY | \$175,827 | \$8,590,021 | \$10,404 | \$5,273 | \$1,084 | \$16,762 | \$781 | \$163 | \$0 | \$944 |
| 3 | CItibank n A | NY | \$300,895 | \$3,599,455 | \$2,757 | \$1,900 | \$2,000 | \$6,657 | \$64 | \$95 | \$0 | \$159 |
| 4 | NATIONSBANK NATIONAL ASSN | NC | \$317,127 | \$2,684,750 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 5 | BANKERS TRUST CO | NY | \$104,558 | \$2,520,057 | \$3,381 | \$1,682 | \$670 | \$5,733 | \$39 | \$1 | \$0 | \$40 |
| 6 | BANK OF AMERICA NT\&SA | CA | \$257,479 | \$1,868,943 | \$1 | \$0 | \$0 | \$1 | \$406 | \$0 | \$0 | \$406 |
| 7 | FIRST NB OF CHICAGO | IL | \$74,201 | \$1,421,231 | \$67 | \$0 | \$0 | \$67 | \$0 | \$0 | \$0 | \$0 |
| TOP 7 COMMERCIAL BANKS \& TCs WITH DERIVATIVES OTHER 440 COMMERCIAL BANKS \& TCs WITH DERIVATIVES TOTAL AMOUNTS FOR ALL 447 BKS \& TCs WITH DERIVATIVES |  |  | \$1,526,804 | \$30,921,651 | \$24,153 | \$20,092 | \$9,070 | \$53,316 | \$1,499 | \$299 | \$0 | \$1,798 |
|  |  |  | \$2,710,505 | \$1,933,833 | \$11,864 | \$3,066 | \$101 | \$15,031 | \$3,082 | \$325 | \$0 | \$3,406 |
|  |  |  | \$4,237,309 | \$32,855,484 | \$36,016 | \$23,159 | \$9,171 | \$68,346 | \$4,581 | \$624 | \$0 | \$5,204 |

NOTIONAL AMOUNT OF OFF BALANCE SHEET DERIVATIVES CONTRACTS BY CONTRACT TYPE \& MATURITY FOR THE 7 COMMERCIAL BANKS AND TRUST COMPANIES WITH THE MOST OFF BALANCE DERIVATIVE CONTRACTS

DECEMBER 31, 1998, \$ MILLIONS

## NOTE. DAT A ARE PRELIMINARY

| RANK | BANK NAME | STATE | TOTAL ASSETS | TOTAL DERIVATIVES | OTHER COMM MATURITY $<1$ YR | OTHER COMM <br> MATURITY <br> 1-5 YRS | OTHER COMM <br> MATURITY <br> $>5$ YRS | OTHER COMM ALL MATURITIES | $\begin{aligned} & \text { EQUITY } \\ & \text { MATURITY } \\ & \text { <1 YR } \end{aligned}$ | EQUITY <br> MATURITY <br> 1-5 YRS | EQUITY <br> MATURITY <br> $>5$ YRS | $\begin{aligned} & \hline \text { EQUITY } \\ & \text { ALL } \\ & \text { MATURITIES } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | CHASE MANHATTAN BANK | NY | \$296,717 | \$10,237,194 | \$9,321 | \$8,993 | \$147 | \$18,461 | \$11,264 | \$12,867 | \$1,445 | \$25,576 |
| 2 | MORGAN GUARANTY TR CO OF NY | NY | \$175,827 | \$8,590,021 | \$8,094 | \$4,669 | \$859 | \$13,622 | \$52,977 | \$36,036 | \$12,597 | \$101,610 |
| 3 | CItibank n a | NY | \$300,895 | \$3,599,455 | \$1,251 | \$563 | \$99 | \$1,913 | \$15,737 | \$11,785 | \$2,125 | \$29,647 |
| 4 | NATIONSBANK NATIONAL ASSN | NC | \$317,127 | \$2,684,750 | \$5,929 | \$958 | \$186 | \$7,073 | \$13,493 | \$7,169 | \$7,670 | \$28,332 |
| 5 | BANKERS TRUST CO | NY | \$104,558 | \$2,520,057 | \$2,251 | \$467 | \$1 | \$2,719 | \$21,475 | \$18,106 | \$2,308 | \$41,889 |
| 6 | BANK OF AMERICA NT\&SA | CA | \$257,479 | \$1,868,943 | \$1,859 | \$1,992 | \$2,063 | \$5,914 | \$545 | \$1,358 | \$0 | \$1,903 |
| 7 | FIRST NB OF CHICAGO | IL | \$74,201 | \$1,421,231 | \$454 | \$206 | \$219 | \$880 | \$3,673 | \$1,741 | \$0 | \$5,414 |
| TOP 7 C | MMERCIAL BANKS \& TCs WITH DERIV |  | \$1,526,804 | \$30,921,651 | \$29,159 | \$17,848 | \$3,574 | \$50,581 | \$119,165 | \$89,061 | \$26,145 | \$234,371 |
| OTHER | 0 COMMERCIAL BANKS \& TCs WITH D |  | \$2,710,505 | \$1,933,833 | \$638 | \$414 | \$61 | \$1,112 | \$2,685 | \$1,228 | \$136 | \$4,049 |
| TOTAL | MOUNTS FOR ALL 447 BKS \& TCs WITH | IVES | \$4,237,309 | \$32,855,484 | \$29,797 | \$18,262 | \$3,635 | \$51,693 | \$121,850 | \$90,290 | \$26,281 | \$238,420 |

## GLOSSARY OF TERMS

Bilateral Netting: A legally enforceable arrangement between a bank and a counterparty that creates a single legal obligation covering all included individual contracts. This means that a bank's obligation, in the event of the default or insolvency of one of the parties, would be the net sum of all positive and negative fair values of contracts included in the bilateral netting arrangement.

Derivative: A financial contract whose value is derived from the performance of assets, interest rates, currency exchange rates, or indexes. Derivative transactions include a wide assortment of financial contracts including structured debt obligations and deposits, swaps, futures, options, caps, floors, collars, forwards and various combinations thereof.

Exchange-Traded Derivative Contracts: Standardized derivative contracts transacted on an organized exchange and which usually have margin requirements.

Gross Negative Fair Value: The sum total of the fair values of contracts where the bank owes money to its counterparties, without taking into account netting. This represents the maximum losses the bank's counterparties would incur if the bank defaults and there is no netting of contracts, and no bank collateral was held by the counterparties.

Gross Positive Fair Value: The sum total of the fair values of contracts where the bank is owed money by its counterparties, without taking into account netting. This represents the maximum losses a bank could incur if all its counterparties default and there is no netting of contracts, and the bank holds no counterparty collateral.

High-Risk Mortgage Securities: Securities where the price or expected average life is highly sensitive to interest rate changes, as determined by the FFIEC policy statement on high-risk mortgage securities. See also OCC Banking Circular 228 (rev.)

Off-Balance Sheet Derivative Contracts: Derivative contracts that generally do not involve booking assets or liabilities (i.e., swaps, futures, forwards, and options).

Over-the-Counter Derivative Contracts: Privately negotiated derivative contracts that are transacted off organized exchanges.

Structured Notes: Non-mortgage-backed debt securities, whose cash flow characteristics depend on one or more indices and/or have embedded forwards or options.

Total Risk-Based Capital: The sum of tier 1 plus tier 2 capital. Tier 1 capital consists of common shareholders equity, perpetual preferred shareholders equity with noncumulative dividends, retained earnings, and minority interests in the equity accounts of consolidated subsidiaries. Tier 2 capital consists of subordinated debt, intermediate-term preferred stock, cumulative and long-term preferred stock, and a portion of a bank's allowance for loan and lease losses.


[^0]:    *in billions of dollars; notional amount of futures, total exchange traded options, total over the counter options, total forwards, and total swaps. Note that data after $\mathbf{1 9 9 4}$ do not include spot $\mathbf{f x}$ in the total notional amount of derivatives.

    Credit derivatives were reported for the first time in the first quarter of 1997. Currently, the Call Report does not differentiate credit derivatives by product, which have therefore been added as a separate category. As of 1997, credit derivatives have been included in the sum of total derivatives in this chart.

    Note: numbers may not add due to rounding.
    Data Source: Call Reports

[^1]:    *In billions of dollars; notional amount of futures, total exchange traded options, total over the counter options, total forwards, and total swaps. Note that fourth quarter 1998 data do not include spot $\mathbf{f x}$ in the total notional amount of derivatives.

    Credit derivatives were reported for the first time in the first quarter of 1997. Currently, the Call Report does not differentiate credit derivatives by contract type, which have therefore been added as a separate category. Credit derivatives have been included in the sum of total derivatives here

    Data Source: Call Reports

[^2]:    *Note: Figures above exclude foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, basis swaps, and any other contracts not subject to risk-based capital requirements.
    *Note: Currently, the Call Report does not include maturity breakouts for credit derivatives. Credit derivatives have been excluded here.

[^3]:    *Note: Figures above exclude foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, basis swaps, and any other contracts not subject to risk-based capital requirements.
    *Note: Currently, the Call Report does not include maturity breakouts for credit derivatives. Credit derivatives have been excluded here.

[^4]:    Data Source: Call Report

