

Economic Commentary

ISSN 0428-1276

Thrifts, Extended Credit, and Monetary Policy

by John B. Carlson and K.J. Kowalewski

The thrift industry primarily serves as an intermediary between people who wish to save in relatively liquid deposits and people who wish to borrow mortgage funds.¹ When long-term interest rates on mortgages are greater than short-term interest rates on deposits, thrifts generally can depend on a relatively stable supply of deposits and earn profits, retaining some of them in capital or net-worth accounts that are used to support additional mortgage lending. However, when short-term interest rates are higher than long-term rates, as they have been in 1981, many depositors withdraw funds from their savings accounts to buy higher-yielding assets. If net deposit outflows are large enough, then some thrifts may exhaust their liquidity and be forced to sell mortgage assets at a loss; if the loss is large enough, some thrifts could be forced out of business.

According to statistics compiled by the Board of Governors of the Federal Reserve System, the thrift industry experienced an unprecedented \$27.2-billion net savings deposit outflow during the first eight months of 1981. The liquidity of many thrifts has been squeezed by this deposit loss, and

many have borrowed heavily from their regulatory agencies. Federally insured savings and loan associations, for example, borrowed an additional \$13 billion during the first eight months of 1981 from Federal Home Loan Banks (FHLBs).

Most institutions have been able to compensate for their savings deposit outflow by selling small-denomination time deposits, large-denomination time deposits, including negotiable certificates of deposit (CDs), and retail repurchase agreements (RPs). In fact, the thrift industry sold \$29.9 billion of these instruments from January through August 1981, more than compensating for the industry's savings deposit drain. However, the interest rates that thrifts must pay on these instruments, as well as on borrowing from both regulatory agencies and private sources, far exceed the maximum savings deposit rate that Regulation Q allows; in most cases the

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The views stated herein are those of the authors and not necessarily those of the Federal Reserve Bank of Cleveland or of the Board of Governors of the Federal Reserve System.

1. Thrift institutions include savings and loan associations, mutual savings banks, and credit unions.

NOTE: No *Economic Commentary* was published on August 24, 1981.

losses by selling large certificates of deposit to all other sectors—in this example, \$4 billion worth—limiting the net deposit loss to \$1 billion.⁶ To cover this net outflow, thrifts borrow \$1 billion at the discount window and thus need not sell mortgages at a loss.⁷

Loans to the thrifts take the form of newly created deposits at the Federal Reserve and show up as an increase in assets of all other sectors after MMMFs purchase short-term securities with the funds. To induce these sectors to trade the interest-bearing securities for the non-interest-bearing deposits, prices (interest rates) of the securities would have to rise (fall). Because deposits at the Federal Reserve are depository-institution reserves, the net increase in deposits would result in additional reserves of the same amount.

However, under the current operating procedure for monetary policy, the Federal Reserve controls the supply of reserves as the primary means of achieving targets for growth of money and credit. By adjusting the supply of reserves through the purchase and sale of short-term securities in the open market, the Federal Reserve limits growth of the monetary aggregates.⁸ Other things equal, a \$1-billion increase in deposits with

6. Although it has been assumed that all other sectors purchased the CDs, MMMFs could also purchase them without affecting the results discussed in this section.

7. For the week ended September 2, 1981, extended credit averaged \$191 million.

8. More precisely, the Federal Reserve chooses short-run target paths for both total and non-borrowed reserves that are believed to be consistent with the desired short-run money path. As noted above, when the Federal Reserve increases reserves by lending to the thrifts through the extended credit program, it simultaneously reduces the supply of reserves by selling government securities in the open market. In the context of the operating procedure, the Federal Reserve reduces its targeted level of nonborrowed reserves by the amount of the increase in reserves attributable to extended credit.

the Federal Reserve would represent an undesired expansion of bank reserves that the Federal Reserve would immediately offset. As shown below the dotted line in figure 2, the Federal Reserve offsets the \$1 billion of reserves created by extended credit by simultaneous open-market sales of short-term securities from its own portfolio. These sales increase all other sectors' holdings of short-term securities and reduce holdings of deposits at the Federal Reserve by \$1 billion. Thus, as demonstrated in this hypothetical T-account framework, undesired monetary-policy effects of extended credit can and would be sterilized by equal and offsetting open-market operations with no effect on interest rates or money growth.

Caveats

In actuality, relative interest rates could be affected. Different sectors may have different portfolio preferences. The securities that MMMFs want to purchase will not necessarily match the securities sold by the Federal Reserve. Specifically, the Federal Reserve trades primarily in obligations of the U.S. government, while MMMFs trade in the whole spectrum of short-term securities. Thus, if MMMFs buy negotiable CDs and commercial paper, for example, rates on these securities would tend to fall relative to those on government securities.

Another way of viewing the relative interest-rate impact of extended credit is to compare it with what would have happened in the absence of any program. Presumably, many thrifts would have been forced to sell mortgages at a loss, as shown in figure 1. To induce all other sectors to hold additional mortgages, mortgage yields must rise. Thus, the program helps stabilize mortgage markets, preventing mortgage rates from rising as much as they would have.

On a related point, the Federal Reserve cannot sterilize an unlimited amount of extended credit. At any point in time, it

has a limited stock of assets (dollar-denominated) that it can sell in the open market for this purpose. In June 1981, for example, the Federal Reserve Banks' portfolio included \$128.7 billion of such assets. However, roughly \$110.5 billion of these assets was pledged as collateral behind Federal Reserve notes, leaving \$18.2 billion available for open-market sales. Additional assets could have been available for open-market sales if the Federal Reserve had pledged its assets denominated in foreign currencies as collateral, making a total of \$24.6 billion available for open-market sales.

It is conceivable that some of the assets used to secure the extended credit could be pledged behind the notes. Thus, as the volume of extended credit grows, so could the Federal Reserve's ability to sterilize the reserve impact of extended credit with open-market sales. There is no guarantee, however, that distressed thrifts would, or even desire to, pledge assets that would qualify as collateral behind the notes. However, it seems unlikely that, with other

programs to aid the thrifts, the upper limit to a sterilization effort would be tested.

Conclusion

The thrift industry is currently under siege, and a number of programs have been developed to bolster the industry. Under the authority of the Monetary Control Act, the Federal Reserve stands ready to play an active part if needed as a lender of last resort, assuring the liquidity to solvent thrifts that is the cornerstone of their continued viability.

The extended credit program will not force any retreat from the disinflationary monetary-policy program of the Federal Reserve that eventually would allow interest rates to recede to pre-inflationary levels. Credit extended by the Federal Reserve increases the availability of reserves. But because the Federal Reserve focuses on controlling reserves to implement monetary policy, any undesired changes in reserves resulting from the program would be offset through open-market sales of government securities.

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