The amortization of bond premium is best achieved through the effective interest method. (If the amount of bond premium is not significant, the simpler straight-line method of amortization is acceptable. See **Form D8**.) With either method of amortization, a bond's book value is always moving to the bond's face or maturity amount. The reason is that the balance in the account Bond Premium is being reduced to zero over the life of the bond.

The advantage of the effective interest method is that the amount of each accounting period's interest expense is directly related to the bond's book value at the start of each accounting period.

Our form assumes that the bond's interest expense and amortization of the bond discount will be recorded on the dates of the interest payments.

The example below assumes that a bond with a stated interest rate of 9% and a face value of \$100,000 is issued on January 1, 2023. The bond pays interest on each June 30 and December 31 and matures in 5 years. The market interest rate at the time of issuance was 8%, which resulted in the bond selling for \$104,055.45 on its issue date.

				_		
Α	В	С	D	E	F	G
	Interest	Interest	Amortization	Balance in	Balance in	Book Value
<u>Date</u>	<u>Payment</u>	<u>Expense</u>	of Premium	Bond Premium	<u>Bonds Payable</u>	of Bonds
Amounts at Issue Date:						
Jan 1, 2023				\$ 4,055.45	\$ 100,000.00	\$ 104,055.45
Amounts at Semiannual Interest Dates:						
Jun 30, 2023	\$ 4,500.00	\$ 4,162.22	\$ 337.78	\$ 3,717.67	\$ 100,000.00	\$ 103,717.67
Dec 31, 2023	4,500.00	4,148.71	351.29	3,366.37	100,000.00	103,366.37
Jun 30, 2024	4,500.00	4,134.65	365.35	3,001.03	100,000.00	103,001.03
Dec 31, 2024	4,500.00	4,120.04	379.96	2,621.07	100,000.00	102,621.07
Jun 30, 2025	4,500.00	4,104.84	395.16	2,225.91	100,000.00	102,225.91
Dec 31, 2025	4,500.00	4,089.04	410.96	1,814.95	100,000.00	101,814.95
Jun 30, 2026	4,500.00	4,072.60	427.40	1,387.55	100,000.00	101,387.55
Dec 31, 2026	4,500.00	4,055.50	444.50	943.05	100,000.00	100,943.05
Jun 30, 2027	4,500.00	4,037.72	462.28	480.77	100,000.00	100,480.77
Dec 31, 2027	4,500.00	4,019.23	480.77	-	100,000.00	100,000.00
Totals	\$ 45,000.00	\$ 40,944.55	\$ 4,055.45			
Calculation of Amounts at Semiannual Interest Dates:						
	Bond's stated	Effective/market	Column B	Previous credit		The credit balance
	interest rate	interest rate	minus	balance in Bond		in Column F plus
	x face amount	x book value	Column C	Premium in		the credit balance
	x 1/2 year	of bonds at the		Column E minus		in Column E
		beginning of the		the debit amount		
		period x 1/2 year		in Column D		
Jun 30, 2023	9%x100000x1/2	8%x104055.45x1/2	4500.00-4162.22	4055.45-337.78		100000.00+3717.67
Dec 31, 2023	9%x100000x1/2	8%x103717.67x1/2	4500.00-4148.71	3717.67-351.29		100000.00+3366.37
Jun 30, 2024	9%x100000x1/2	8%x103366.37x1/2	4500.00-4134.65	3366.37-365.35		100000.00+3001.03
Journal entry a	at June 30, 202	<u>3:</u>				
Interest expen						

Interest expense 4,162.22 Bond Premium 337.78

Cash 4,500.00

For a blank form see Form D7.

Learn more about bonds payable at www.AccountingCoach.com.