

LIBOR 1990

Date	Date	1 Month	2 Months	3 Months	6 Months	12 Months
02-Jan-90	02-Jan-90	8,375		8,375	8,250	8,250
03-Jan-90	03-Jan-90	8,375		8,375	8,250	8,250
04-Jan-90	04-Jan-90	8,375		8,375	8,375	8,313
05-Jan-90	05-Jan-90	8,375		8,375	8,313	8,313
09-Jan-90	09-Jan-90	8,313		8,313	8,313	8,375
10-Jan-90	10-Jan-90	8,313		8,313	8,313	8,313
11-Jan-90	11-Jan-90	8,250		8,250	8,250	8,313
12-Jan-90	12-Jan-90	8,250		8,250	8,250	8,313
15-Jan-90	15-Jan-90	8,250		8,250	8,250	8,313
16-Jan-90	16-Jan-90	8,250		8,250	8,313	8,375
17-Jan-90	17-Jan-90	8,313		8,313	8,375	8,500
18-Jan-90	18-Jan-90	8,375		8,375	8,438	8,563
19-Jan-90	19-Jan-90	8,375		8,438	8,500	8,688
22-Jan-90	22-Jan-90	8,375		8,375	8,438	8,625
23-Jan-90	23-Jan-90	8,313		8,375	8,438	8,625
24-Jan-90	24-Jan-90	8,313		8,375	8,438	8,688
25-Jan-90	25-Jan-90	8,313		8,375	8,438	8,625
26-Jan-90	26-Jan-90	8,313		8,375	8,438	8,625
29-Jan-90	29-Jan-90	8,313		8,375	8,438	8,625
30-Jan-90	30-Jan-90	8,313		8,375	8,438	8,625
31-Jan-90	31-Jan-90	8,313		8,375	8,438	8,688
01-feb-90	01-feb-90	8,313		8,375	8,438	8,625
02-feb-90	02-feb-90	8,313		8,375	8,438	8,625
05-feb-90	05-feb-90	8,313		8,375	8,438	8,688
06-feb-90	06-feb-90	8,313		8,375	8,438	8,688
07-feb-90	07-feb-90	8,313		8,375	8,438	8,750
08-feb-90	08-feb-90	8,320		8,375	8,438	8,750
09-feb-90	09-feb-90	8,313		8,375	8,438	8,688
12-feb-90	12-feb-90	8,313		8,375	8,375	8,625
13-feb-90	13-feb-90	8,313		8,375	8,375	8,625
14-feb-90	14-feb-90	8,313		8,313	8,275	8,563
15-feb-90	15-feb-90	8,313		8,313	8,375	8,563
16-feb-90	16-feb-90	8,313		8,375	8,375	8,625
19-feb-90	19-feb-90	8,313		8,375	8,375	8,625
20-feb-90	20-feb-90	8,313		8,375	8,375	8,625
21-feb-90	21-feb-90	8,313		8,375	8,438	8,688
22-feb-90	22-feb-90	8,313		8,375	8,438	8,750
23-feb-90	23-feb-90	8,313		8,375	8,438	8,688
26-feb-90	26-feb-90	8,313		8,375	8,438	8,688
27-feb-90	27-feb-90	8,375		8,375	8,438	8,688
28-feb-90	28-feb-90	8,375		8,375	8,438	8,688
01-mar-90	01-mar-90	8,375		8,375	8,438	8,688
02-mar-90	02-mar-90	8,375		8,438	8,500	8,750
05-mar-90	05-mar-90	8,375		8,438	8,500	8,750
06-mar-90	06-mar-90	8,438		8,438	8,500	8,813
07-mar-90	07-mar-90	8,375		8,438	8,500	8,813
08-mar-90	08-mar-90	8,375		8,438	8,500	8,813
09-mar-90	09-mar-90	8,375		8,438	8,563	8,813
12-mar-90	12-mar-90	8,438		8,500	8,688	9,000
13-mar-90	13-mar-90	8,438		8,563	8,688	9,000
14-mar-90	14-mar-90	8,500		8,625	8,750	9,063
15-mar-90	15-mar-90	8,500		8,563	8,750	9,000
16-mar-90	16-mar-90	8,500		8,563	8,750	9,063

19-mar-90	19-mar-90	8,438		8,500	8,688	9,000
20-mar-90	20-mar-90	8,438		8,500	8,688	9,000
21-mar-90	21-mar-90	8,438		8,500	8,688	9,000
22-mar-90	22-mar-90	8,438		8,500	8,688	9,000
23-mar-90	23-mar-90	8,438		8,500	8,688	8,938
26-mar-90	26-mar-90	8,438		8,500	8,688	8,938
27-mar-90	27-mar-90	8,438		8,500	8,688	8,938
28-mar-90	28-mar-90	8,438		8,500	8,688	8,938
29-mar-90	29-mar-90	8,375		8,500	8,688	8,938
30-mar-90	30-mar-90	8,375		8,500	8,688	8,938
02-apr-90	02-apr-90	8,438		8,500	8,750	9,000
03-apr-90	03-apr-90	8,438		8,563	8,750	9,000
04-apr-90	04-apr-90	8,438		8,563	8,750	9,000
05-apr-90	05-apr-90	8,438		8,500	8,688	8,938
06-apr-90	06-apr-90	8,438		8,563	8,688	8,938
09-apr-90	09-apr-90	8,438		8,500	8,563	8,875
10-apr-90	10-apr-90	8,438		8,500	8,563	8,875
11-apr-90	11-apr-90	8,375		8,500	8,625	8,875
12-apr-90	12-apr-90	8,375		8,500	8,625	8,875
17-apr-90	17-apr-90	8,438		8,500	8,563	8,813
18-apr-90	18-apr-90	8,438		8,500	8,625	8,968
19-apr-90	19-apr-90	8,438		8,563	8,750	9,063
20-apr-90	20-apr-90	8,438		8,563	8,750	9,063
23-apr-90	23-apr-90	8,438		8,563	8,750	9,063
24-apr-90	24-apr-90	8,500		8,625	8,813	9,125
25-apr-90	25-apr-90	8,500		8,688	8,875	9,188
26-apr-90	26-apr-90	8,500		8,688	8,938	9,313
27-apr-90	27-apr-90	8,500		8,688	8,938	9,313
30-apr-90	30-apr-90	8,500		8,688	8,938	9,250
01-May-90	01-May-90	8,500		8,688	8,875	9,250
02-May-90	02-May-90	8,563		8,750	8,938	9,375
03-May-90	03-May-90	8,500		8,750	9,000	9,375
04-May-90	04-May-90	8,500		8,688	8,938	9,313
08-May-90	08-May-90	8,375		8,563	8,750	9,063
09-May-90	09-May-90	8,375		8,500	8,688	9,000
10-May-90	10-May-90	8,375		8,500	8,688	9,000
11-May-90	11-May-90	8,313		8,500	8,625	8,875
14-May-90	14-May-90	8,313		8,438	8,500	8,750
15-May-90	15-May-90	8,313		8,375	8,500	8,750
16-May-90	16-May-90	8,313		8,375	8,500	8,750
17-May-90	17-May-90	8,313		8,438	8,500	8,750
18-May-90	18-May-90	8,313		8,438	8,563	8,813
21-May-90	21-May-90	8,313		8,438	8,563	8,813
22-May-90	22-May-90	8,313		8,438	8,563	8,813
23-May-90	23-May-90	8,313		8,375	8,500	8,750
24-May-90	24-May-90	8,250		8,375	8,500	8,750
25-May-90	25-May-90	8,250		8,375	8,500	8,750
29-May-90	29-May-90	8,313		8,375	8,500	8,750
30-May-90	30-May-90	8,313		8,375	8,500	8,750
31-May-90	31-May-90	8,313	8,375	8,375	8,500	8,750
01-Jun-90	01-Jun-90	8,313	8,375	8,375	8,500	8,750
04-Jun-90	04-Jun-90	8,250	8,313	8,313	8,375	8,563
05-Jun-90	05-Jun-90	8,250	8,313	8,313	8,375	8,500
06-Jun-90	06-Jun-90	8,250	8,313	8,313	8,438	8,563
07-Jun-90	07-Jun-90	8,313	8,313	8,375	8,438	8,563
08-Jun-90	08-Jun-90	8,313	8,313	8,375	8,438	8,563

11-Jun-90	11-Jun-90	8,313	8,313	8,313	8,375	8,563
12-Jun-90	12-Jun-90	8,313	8,313	8,313	8,375	8,563
13-Jun-90	13-Jun-90	8,313	8,313	8,313	8,438	8,563
14-Jun-90	14-Jun-90	8,313	8,313	8,313	8,375	8,500
15-Jun-90	15-Jun-90	8,313	8,313	8,313	8,313	8,438
18-Jun-90	18-Jun-90	8,313	8,313	8,313	8,375	8,563
19-Jun-90	19-Jun-90	8,313	8,313	8,313	8,375	8,563
20-Jun-90	20-Jun-90	8,313	8,313	8,313	8,138	8,625
21-Jun-90	21-Jun-90	8,313	8,313	8,375	8,438	8,625
22-Jun-90	22-Jun-90	8,313	8,313	8,375	8,438	8,625
25-Jun-90	25-Jun-90	8,313	8,313	8,375	8,438	8,563
26-Jun-90	26-Jun-90	8,313	8,375	8,375	8,438	8,563
27-Jun-90	27-Jun-90	8,375	8,375	8,375	8,438	8,625
28-Jun-90	28-Jun-90	8,375	8,313	8,375	8,438	8,563
29-Jun-90	29-Jun-90	8,313	8,313	8,375	8,375	8,438
02-Jul-90	02-Jul-90	8,313	8,313	8,313	8,375	8,438
03-Jul-90	03-Jul-90	8,313	8,313	8,313	8,375	8,438
04-Jul-90	04-Jul-90	8,313	8,313	8,313	8,313	8,438
05-Jul-90	05-Jul-90	8,313	8,313	8,313	8,313	8,438
06-Jul-90	06-Jul-90	8,313	8,313	8,313	8,375	8,438
09-Jul-90	09-Jul-90	8,375	8,375	8,375	8,438	8,563
10-Jul-90	10-Jul-90	8,375	8,375	8,375	8,438	8,563
11-Jul-90	11-Jul-90	8,375	8,375	8,375	8,438	8,563
12-Jul-90	12-Jul-90	8,375	8,375	8,375	8,438	8,563
13-Jul-90	13-Jul-90	8,250	8,250	8,250	8,250	8,375
16-Jul-90	16-Jul-90	8,188	8,188	8,188	8,250	8,313
17-Jul-90	17-Jul-90	8,188	8,188	8,188	8,250	8,313
18-Jul-90	18-Jul-90	8,125	8,125	8,188	8,188	8,313
19-Jul-90	19-Jul-90	8,125	8,125	8,188	8,188	8,313
20-Jul-90	20-Jul-90	8,125	8,125	8,125	8,188	8,313
23-Jul-90	23-Jul-90	8,125	8,125	8,125	8,188	8,313
24-Jul-90	24-Jul-90	8,125	8,063	8,125	8,125	8,250
25-Jul-90	25-Jul-90	8,125	8,063	8,125	8,125	8,250
26-Jul-90	26-Jul-90	8,125	8,063	8,125	8,125	8,250
27-Jul-90	27-Jul-90	8,125	8,094	8,125	8,125	8,250
30-Jul-90	30-Jul-90	8,063	8,063	8,063	8,063	8,125
31-Jul-90	31-Jul-90	8,000	8,000	8,000	8,000	8,000
01-Aug-90	01-Aug-90	8,000	8,000	7,938	7,938	8,000
02-Aug-90	02-Aug-90	8,000	8,000	8,000	8,000	8,063
03-Aug-90	03-Aug-90	8,125	8,063	8,063	8,063	8,063
06-Aug-90	06-Aug-90	8,063	8,000	8,000	7,938	8,000
07-Aug-90	07-Aug-90	8,063	8,000	8,000	8,000	8,063
08-Aug-90	08-Aug-90	8,063	8,016	8,000	8,000	8,125
09-Aug-90	09-Aug-90	8,063	8,063	8,063	8,063	8,188
10-Aug-90	10-Aug-90	8,063	8,063	8,063	8,063	8,125
13-Aug-90	13-Aug-90	8,063	8,063	8,000	8,000	8,125
14-Aug-90	14-Aug-90	8,063	8,063	8,000	8,000	8,125
15-Aug-90	15-Aug-90	8,063	8,063	8,000	8,000	8,125
16-Aug-90	16-Aug-90	8,125	8,063	8,000	8,000	8,125
17-Aug-90	17-Aug-90	8,188	8,188	8,188	8,188	8,250
20-Aug-90	20-Aug-90	8,188	8,188	8,188	8,188	8,250
21-Aug-90	21-Aug-90	8,188	8,188	8,188	8,250	8,313
22-Aug-90	22-Aug-90	8,188	8,250	8,250	8,250	8,438
23-Aug-90	23-Aug-90	8,250	8,313	8,313	8,438	8,563
24-Aug-90	24-Aug-90	8,250	8,313	8,313	8,438	8,625
28-Aug-90	28-Aug-90	8,188	8,188	8,188	8,250	8,313

29-Aug-90	29-Aug-90	8,188	8,188	8,188	8,250	8,375
30-Aug-90	30-Aug-90	8,188	8,188	8,188	8,250	8,313
31-Aug-90	31-Aug-90	8,125	8,063	8,125	8,125	8,250
03-Sep-90	03-Sep-90	8,063	8,063	8,063	8,125	8,188
04-Sep-90	04-Sep-90	8,063	8,063	8,063	8,125	8,250
05-Sep-90	05-Sep-90	8,063	8,000	8,063	8,063	8,188
06-Sep-90	06-Sep-90	8,063	8,000	8,000	8,063	8,188
07-Sep-90	07-Sep-90	8,063	8,063	8,063	8,063	8,188
10-Sep-90	10-Sep-90	8,125	8,125	8,125	8,125	8,188
11-Sep-90	11-Sep-90	8,188	8,125	8,125	8,125	8,250
12-Sep-90	12-Sep-90	8,188	8,125	8,125	8,125	8,188
13-Sep-90	13-Sep-90	8,188	8,125	8,125	8,125	8,250
14-Sep-90	14-Sep-90	8,188	8,125	8,125	8,125	8,188
17-Sep-90	17-Sep-90	8,188	8,125	8,125	8,126	8,250
18-Sep-90	18-Sep-90	8,188	8,188	8,125	8,125	8,250
19-Sep-90	19-Sep-90	8,250	8,188	8,188	8,188	8,250
20-Sep-90	20-Sep-90	8,250	8,250	8,250	8,250	8,313
21-Sep-90	21-Sep-90	8,313	8,313	8,313	8,313	8,438
24-Sep-90	24-Sep-90	8,313	8,313	8,313	8,375	8,438
25-Sep-90	25-Sep-90	8,438	8,438	8,438	8,438	8,500
26-Sep-90	26-Sep-90	8,500	8,500	8,500	8,500	8,563
27-Sep-90	27-Sep-90	8,313	8,313	8,375	8,375	8,500
28-Sep-90	28-Sep-90	8,313	8,313	8,375	8,313	8,438
01-Oct-90	01-Oct-90	8,125	8,125	8,125	8,125	8,250
02-Oct-90	02-Oct-90	8,125	8,125	8,125	8,125	8,188
03-Oct-90	03-Oct-90	8,125	8,125	8,125	8,125	8,188
04-Oct-90	04-Oct-90	8,188	8,125	8,125	8,125	8,188
05-Oct-90	05-Oct-90	8,188	8,188	8,188	8,188	8,250
08-Oct-90	08-Oct-90	8,250	8,188	8,188	8,188	8,250
09-Oct-90	09-Oct-90	8,250	8,188	8,250	8,188	8,188
10-Oct-90	10-Oct-90	8,250	8,250	8,250	8,250	8,313
11-Oct-90	11-Oct-90	8,313	8,250	8,250	8,250	8,313
12-Oct-90	12-Oct-90	8,188	8,188	8,250	8,250	8,250
15-Oct-90	15-Oct-90	8,188	8,188	8,188	8,250	8,250
16-Oct-90	16-Oct-90	8,188	8,188	8,250	8,250	8,250
17-Oct-90	17-Oct-90	8,188	8,188	8,250	8,250	8,250
18-Oct-90	18-Oct-90	8,188	8,188	8,250	8,250	8,250
19-Oct-90	19-Oct-90	8,188	8,188	8,250	8,250	8,250
22-Oct-90	22-Oct-90	8,188	8,125	8,188	8,188	8,188
23-Oct-90	23-Oct-90	8,125	8,125	8,188	8,188	8,188
24-Oct-90	24-Oct-90	8,125	8,125	8,188	8,188	8,188
25-Oct-90	25-Oct-90	8,063	8,063	8,125	8,125	8,125
26-Oct-90	26-Oct-90	8,000	8,000	8,125	8,125	8,125
29-Oct-90	29-Oct-90	7,938	7,938	8,063	8,063	8,063
30-Oct-90	30-Oct-90	7,938	8,063	8,063	8,000	8,063
31-Oct-90	31-Oct-90	8,000	8,063	8,063	8,063	8,063
01-nov-90	01-nov-90	8,000	8,125	8,063	8,063	8,125
02-nov-90	02-nov-90	8,000	8,125	8,063	8,063	8,063
05-nov-90	05-nov-90	8,000	8,125	8,125	8,063	8,063
06-nov-90	06-nov-90	8,063	8,188	8,125	8,063	8,063
07-nov-90	07-nov-90	8,063	8,188	8,125	8,063	8,063
08-nov-90	08-nov-90	8,063	8,188	8,125	8,063	8,063
09-nov-90	09-nov-90	8,000	8,188	8,125	8,063	8,125
12-nov-90	12-nov-90	8,000	8,125	8,125	8,063	8,063
13-nov-90	13-nov-90	8,000	8,125	8,125	8,000	8,000
14-nov-90	14-nov-90	7,938	8,125	8,063	8,000	8,000

15-nov-90	15-nov-90	8,000	8,125	8,063	8,000	8,000
16-nov-90	16-nov-90	8,000	8,125	8,125	8,000	8,000
19-nov-90	19-nov-90	7,938	8,188	8,063	7,938	7,938
20-nov-90	20-nov-90	7,938	8,188	8,125	8,000	7,938
21-nov-90	21-nov-90	7,938	8,188	8,125	8,000	8,000
22-nov-90	22-nov-90	7,875	8,188	8,125	8,000	7,938
23-nov-90	23-nov-90	7,875	8,250	8,125	8,000	7,938
26-nov-90	26-nov-90	7,875	8,313	8,188	8,000	7,938
27-nov-90	27-nov-90	7,875	8,500	8,250	8,063	8,000
28-nov-90	28-nov-90	8,063	8,625	8,438	8,250	8,125
29-nov-90	29-nov-90	9,125	8,500	8,500	8,375	8,188
30-nov-90	30-nov-90	8,875	8,375	8,438	8,313	8,125
03-Dec-90	03-Dec-90	8,688	8,375	8,313	8,125	8,063
04-Dec-90	04-Dec-90	8,625	8,313	8,250	8,125	8,000
05-Dec-90	05-Dec-90	8,438	8,125	8,063	7,938	7,875
06-Dec-90	06-Dec-90	8,375	8,125	8,063	7,938	7,875
07-Dec-90	07-Dec-90	8,375	8,109	8,000	7,938	7,875
10-Dec-90	10-Dec-90	8,000	7,750	7,688	7,563	7,563
11-Dec-90	11-Dec-90	7,938	7,750	7,688	7,563	7,500
12-Dec-90	12-Dec-90	7,938	7,750	7,688	7,563	7,563
13-Dec-90	13-Dec-90	7,938	7,750	7,688	7,563	7,563
14-Dec-90	14-Dec-90	8,125	7,906	7,813	7,688	7,625
17-Dec-90	17-Dec-90	8,438	8,125	8,063	7,813	7,688
18-Dec-90	18-Dec-90	8,438	8,125	8,063	7,750	7,688
19-Dec-90	19-Dec-90	8,125	7,813	7,750	7,500	7,438
20-Dec-90	20-Dec-90	8,313	8,063	7,875	7,625	7,563
21-Dec-90	21-Dec-90	8,750	8,188	8,125	7,750	7,688
24-Dec-90	24-Dec-90	8,875		8,188	7,938	7,750
27-Dec-90	27-Dec-90	9,750	8,375	8,438	7,938	7,750
28-Dec-90	28-Dec-90	7,688	7,625	7,625	7,563	7,563
31-Dec-90	31-Dec-90	7,625	7,625	7,563	7,563	7,563