

```
1 public boolean compareAndSet(T expectedReference,  
2                               T newReference,  
3                               int expectedStamp,  
4                               int newStamp);  
5 public T get(int[] stampHolder);  
6 public T getReference();  
7 public int getStamp();  
8 public void set(T newReference, int newStamp);
```

**FIGURE 10.16** The AtomicStampedReference<T> class: the compareAndSet() and get() methods. The compareAndSet() method tests and updates both the stamp and reference fields; the get() method returns the encapsulated reference and stores the stamp at position 0 in the argument array; the getReference() and getStamp() methods return the reference and stamp, respectively; and the put() method updates the encapsulated reference and the stamp.