shared variables:

```c
chan sourceReady[n](int);     // source ready
chan destReady[n]();          // destination ready
chan transmit[n](byte msg[*]); // data transmission
```

Synchronous send executed by source process S:

```
gather expressions into a message buffer b;
send sourceReady[D](S);      // tell D that I am ready
receive destReady[S]();      // wait for D to be ready
send transmit[D](b);         // send the message
```

Synchronous receive executed by destination process D:

```
int source; byte buffer[BUFSIZE];
receive sourceReady[D](source); // wait for any sender
send destReady[source]() ;      // tell source I’m ready
receive transmit[D](buffer);   // get the message
unpack the buffer into the variables;
```

**Figure 10.5** Synchronous communication using asynchronous messages.