shared variables:

```
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.