

## Erratum for “TCP/IP Application Layer Protocols for Embedded Systems”

### Chapter 7 -- Embedded HTTP Server

The `buildfs` tool within the `/software/ch7/emhttp/tools` subdirectory must be provided a trailing `'/'` on the directory path. For example, if the `http` content subdirectory is `/home/user/emhttp/content`, then the `buildfs` tool must be executed as follows:

```
./buildfs -s /home/user/emhttp/content/
```

### Chapter 8 -- Embedded SNMP Agent

The SNMP agent supports only OIDs that can be represented in 8 bits. An example invalid OID for the Embedded SNMP agent is illustrated below:

```
1.3.6.1.3.999
```

(999 requires 16 bits for representation). To avoid this deficiency, avoid using OID that require more than 8 bits for representation (0-255).

### Chapter 11 -- Embedded NNTP Client

The `nntpPeek` function of the embedded NNTP client did not satisfactorily handle TCP's repacketization on fast links. In some cases, the status and data are contained within the same TCP segment, leading to lost data at the NNTP client. To fix this problem, the code segment within `nntpPeek` that reads:

```
if (result < 0) return -1;

state = stop = 0;
```

should have the following code segment added between:

```
/* Skip the +OK response string and grab any data */
len = strlen( buffer );
for ( i = 0 ; i < len-1 ; i++ ) {
    if ( (buffer[i] == 0x0d) && (buffer[i+1] == 0x0a) ) {
        len -= i-2;
        memmove( news->msg, &buffer[i+2], len );
        bufIdx = len;
        break;
    }
}
```

If you believe you have found an error, or would like to discuss the book or this erratum, please contact the author at [mtj@mtjones.com](mailto:mtj@mtjones.com).