                        Socket Number List

The czar of socket numbers [Jon Postel] has established the
following assignments for socket numbers used for public
functions. Note that a socket number is a 40 bit quantity, the
first 8 bits being the host specification, the next 24 bits being
site specific, and the last 8 bits being user specified - these
last 8 bits are called the AEN [it stands for, cleverly enough,
Another Eightbit Number].

For the assignments here the value in the host field ranges
across all hosts (unless otherwise specified), the value in the
24 bit field is zero, and the AEN is indicated here.

General Assignments:

        Sockets   Assignment

        0 - 63   Network Wide Standard Functions
        64 - 127   Host Specific Functions
        128 - 239   Reserved for Future Use
        240 - 255   Any Experimental Function

Particular Assignments:

        Socket   Assignment

        1   Telnet
        3   File Transfer
        5   Remote Job Entry
        7   Echo
        9   Discard
        19   Character Generator [e.g. TTYTST]

        65   Speech Data Base @ ll-tx-2 (74)
        67   Datacomputer @ cca (31)

        241   NCP Measurement
        243   Survey Measurement
        245   LINK

The specifications for the assigned functions can be found in the
documents listed here:

```
                   Telnet                RFC 318
                   File Transfer         RFC 354 & RFC 385
                   Remote Job Entry      RFC 407
                   Echo                  RFC 347
                   Discard               RFC 348
                   Character Generator   RFC 429
                   Speech Data Base      SUR 37
                   Datacomputer          [Murray @ CCA]
                   NCP Measurment        RFC 388
                   Survey Data           [Kampe @ NMC]
                   LINK                  [Bressler @ BBN]
```

It has come to our attention that there are several hosts
performing useful public services on sockets which conflict with
the above scheme. We hope we can resolve this problem with a
minimum of disruption.

The following is a tabulation of socket numbers together with the
services offered. This listing is presented as an aid to network
users. If you know of a socket/function which has been left out
or an entry which should be corrected or deleted please contact:

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                   Computer Science Department
                   University of California
                   Los Angeles, CA. 90024

                   Phone: (213) 825-2368

                   NIC Ident = JBP

                         or

                   Nancy Neigus
                   Bolt Beranek and Newman
                   50 Moulton Street
                   Cambridge, Mass. 02139

                   Phone: (617) 661-0100

                   NIC Ident = NJN

We will be pleased to include socket/function information for
other than "offical" sockets [e.g Tip News].

```
   1   UCLA-NMC
      1   Telnet
      241 NCP Measurement
      243 Survey Data
   2   SRI-ARC
      1    Telnet
      3    File Transfer
      5    Echo
      7    CPYNET
      9    SYSTAT
      13   DATE-TIME
   3   UCSB
      1    Telnet
      5    UCSB RJS [not ARPANET standard]
      7    Echo
      9    Discard
   4   UTAH
      1    Telnet
      3    File Transfer
      5    Echo
      7    CPYNET
      9    SYSTAT
      13   DATE-TIME
   5   NCC
   6   MIT-Multics
      1    Telnet
   9   Harvard
      1    Telnet
      3    Sorry File Transfer
   10  LL-67
      1    Telnet
   11  SAIL
      1    Telnet
      3    File Transfer
   12  ILL-ANTS
   13  CASE
      1    Telnet
      3    File Transfer
      5    Echo
      7    CPYNET
      9    SYSTAT
      13   DATE-TIME
   14  CMU
      1    Telnet
      3    File Transfer
   15  ILLIAC-TENEX
      1    Telnet
      3    File Transfer
```

```
   5     Echo
   7     CPYNET
   9     SYSTAT
   13    DATE-TIME
16   NASA-AMES
   1     Telnet
   3     File Transfer
   5     Sorry Remote Job Entry
   7     Echo
   9     Discard
   241 NCP Measurement
23   USC-44
31   CCA-TENEX
   1     Telnet
   3     File Transfer
   5     Echo
   9     SYSTAT
   11    NETSTAT
35   UCSD
   1     Telnet
65   UCLA-CCN
   1     Telnet
   7     Echo
   9     Discard
   11    NETPJS [EBCDIC]
   13    NETRJS [ASCII]
   15    NETRJS [TTY]
66   SRI-AI
   1     Telnet
   3     DATE-TIME
   5     Echo
   7     CPYNET
   9     SYSTAT
   11    Sorry NETSTAT
69   BBN-TENEX (a)
   1     Telnet
   3     File Transfer
   5     Echo
   7     CPYNET
   9     SYSTAT
   13    DATE-TIME
   15    NETSTAT
   17    Oneliners
   3604505 = x'370019' = o'15600031'   TIP News
70   MIT-DMCG
   1     Telnet
   3     File Transfer
   7     Network Status
   9     Discard
74   LL-TX-2
   1     Telnet
```

```
   78   CMU-alt
      1      Telnet
      3      File Transfer
   86   ISI-TENEX
      1      Telnet
      3      File Transfer
      5      Echo
      7      CPYNET
      9      SYSTAT
     13      DATE-TIME
  133   BBN-TENEXB
      1      Telnet
      3      File Transfer
      5      Echo
      7      CPYNET
      9      SYSTAT
     13      DATE-TIME
     15      NETSTAT
     17      Oneliners
  134   MIT-AI
      1      Telnet
      3      File Transfer
  198   MIT-Mathlab
      1      Telnet
      3      File Transfer
```

Following hosts not tested

```
      7      RAND
      8      SDC-ADEPT
     19      NBS-ANTS
    138      LL-TSP
```

     [This RFC was put into machine readable form for entry]
      [into the online RFC archives by James Carlson 11/98]