                        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
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                    Cambridge, Mass. 02139

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                    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]