

NOVEMBER, 1974, SURVEY OF NEW-PROTOCOL TELNET SERVERS

TWO MONTHS HAVE ELAPSED SINCE OUR LAST SURVEY, AND THE APPEARANCE OF ADDITIONAL NEW-PROTOCOL SERVERS HAS PROGRESSED AT THE USUAL SNAIL'S PACE. THE CHANGES IN THIS LIST ARE (WITH HOST NUMBERS IN OCTAL):

SRI-AI (102) NOW HAS A NEW-PROTOCOL SERVER;  
SDC-LAB (10) IS BACK ON THE NET AND THE LIST;  
SDC-CC (110) IS COMING ON THE NET BUT STATUS IS AS YET UNKNOWN;  
USC-ISI (126) AND USC-ISJB (226) (FORMERLY ISI-DEVTENEX) NOW HAVE NEW-PROTOCOL SERVERS;  
SDAC-44 (32) HAS BEEN REMOVED--NO LONGER CLASSED AS A SERVER HOST;  
HAWAII-500 (314) IS COMING ON THE NET, STATUS PRESENTLY UNKNOWN;  
LONDON (52) HAS BEEN ADDED;  
BBN-TENEXD IS NOW HOST 162 (FORMERLY 205).

WHAT FOLLOWS IS AN UPDATE OF THE SUMMARY AND TABULATION THAT APPEARED IN RFC #702.\* IS THERE LIGHT AT THE END OF THE TUNNEL?

|   |    |      |
|---|----|------|
| TOTAL SERVER HOSTS                            | 37 | 100% |
| NO NEW-PROT SERVER                            | 19 | 51%  |
| UNKNOWN STATUS (NEW HOSTS)                    | 2  | 6%   |
| TOTAL NEW-PROT IMPLEM.                        | 16 | 43%  |
| NEW-PROT ON SOCKET 27,<br>OLD ON SOCKET 1 (2) | 9  | 24%  |
| NEW-PROT ON 1 AND 27 (3)                      | 6  | 16%  |
| NEW-PROT ON 1 ONLY (3)                        | 1  | 3%   |

NOTES:

- \* ALL DATA IN THIS REPORT WERE GATHERED VIA A SURVEYING PROGRAM RUN AT VARIOUS TIMES, PLUS A FEW MANUAL CHECKS TO FILL OUT THE DATA. WHAT IS REPORTED HERE IS THE WAY THE VARIOUS SERVERS WORK AS SEEN BY THE NEW-PROTOCOL USER TELNET AT BBNA, AS OF 4 DEC. 1974.
- (2) THESE ARE THE SITES WHOSE OPERATION IS 100% CORRECT ACCORDING TO ALL PROTOCOLS AND CONVENTIONS, AS I UNDERSTAND THEM.
- (3) WE REALIZE THAT SOME OF THE SERVERS THAT APPEAR HERE AS NEW-PROTOCOL SERVERS ON SOCKET 1 ARE ACTUALLY SERVERS WHICH ATTEMPT TO COMMUNICATE WITH BOTH OLD- AND NEW-PROTOCOL USER TELNETS ACCORDING TO WHAT CONTROL SEQUENCES ARE RECEIVED.

TABULATION OF SERVER STATUS FOR ALL SERVER SITES:

| HOST NO. | HOST NAME   | SOCKET 1 | SOCKET 27 | NEW-PROT. OPTIONS IMPLEMENTED (IF ANY) |
|----------|-------------|----------|-----------|--|
| 101      | UCLA-CCN    | OLD      | X         |  |
| 201      | UCLA-CCBS   | OLD      | X         |  |
| 2        | SRI-ARC     | OLD      | X         |  |
| 102      | SRI-AI      | OLD      | NEW       | 11,3,6; 03                             |
| 3        | UCSB-MOD75  | OLD      | X         |  |
| 4        | UTAH-10     | OLD      | X         |  |
| 105      | BBN-TENEX   | OLD      | NEW       | 11,3,6; 03                             |
| 305      | BBN-TENEXA  | OLD      | NEW       | 11,3,6; 03                             |
| 106      | MIT-DMS     | NEW      | NEW       | 11,3; 03                               |
| 206      | MIT-AI      | OLD      | X         |  |
| 306      | MIT-ML      | OLD      | X         |  |
| 7        | RAND-RCC    | OLD      | X         |  |
| 10       | SDC-LAB     | OLD      | X         |  |
| 110      | SDC-CC      | ?        | ?         |  |
| 11       | HARV-10     | NEW      | X         | 11,3; 03                               |
| 12       | LL-67       | OLD*     | X         |  |
| 112      | LL-TX-2     | OLD      | X         |  |
| 13       | SU-AI       | NEW*     | NEW*      | 11,3                                   |
| 15       | CASE-10     | OLD      | X         |  |
| 16       | CMU-105     | NEW      | NEW       | 11,3; 03                               |
| 116      | CMU-10A     | NEW      | NEW       | 11,3; 03                               |
| 17       | 14-TENEX    | OLD      | X         |  |
| 217      | KILB-TENEX  | OLD      | X         |  |
| 20       | AMES-67     | NEW      | NEW       | NONE                                   |
| 126      | USC-ISI     | OLD      | NEW       | 11,3,6; 03                             |
| 226      | USC-ISIS    | OLD      | NEW       | 11,3,6; 03                             |
| 27       | USC-14      | OLD      | X         |  |
| 327      | USC-ECL     | OLD      | X         |  |
| 37       | CCA-TENEX   | OLD      | X         |  |
| 10       | PARC-MAXC   | OLD      | NEW       | 11,3,6; 03                             |
| 43       | UCSD-CC     | OLD      | NEW       | 10(1),3; 00,3                          |
| 344      | HAWAII-500  | ?        | ?         |  |
| 52       | LONDON      | OLD*     | X         |  |
| 53       | OFFICE-1    | OLD      | X         |  |
| 54       | MIT-MULTICS | NEW      | NEW       | NONE                                   |
| 61       | BBN-TENEXB  | OLD      | NEW       | 11,3,6; 03                             |
| 162      | BBN-TENEXD  | OLD      | NEW       | 11,3,6; 03                             |

KEY:

X NO SERVER AT THIS SOCKET  
 ? STATUS NOT ASCERTAINED--UNABLE TO CONNECT TO HOST  
 I# OPTION # IMPLEMENTED INCOMING TO USER  
 (SERVER SAYS "WILL #")  
 O# OPTION # IMPLEMENTED OUTGOING FROM USER  
 (SERVER SAYS "DO #")  
 (# IS OPTION NUMBER IN NEW PROTOCOL. ALL OPTIONS  
 IMPLEMENTED BY ANYONE ARE:  
 0 TRANSMIT-BINARY  
 1 ECHO  
 3 SUPPRESS-GO-AHEAD  
 6 TIMING-MARK )

NOTE: \* THESE SERVERS RETURN IMPROPER RESPONSES TO SOME TELNET OPTION REQUESTS.