

SEPTEMBER, 1974, SURVEY OF NEW-PROTOCOL TELNET SERVERS

LAST MONTH'S SURVEY PRODUCED A GRATIFYING AMOUNT OF FEEDBACK CLARIFYING THE STATUS OF SEVERAL SITES; HOWEVER THERE HAVE BEEN VERY FEW CHANGES IN THE STATUS OF HOST SERVERS. THE CHANGES IN THIS MONTH'S LIST, IN NUMERICAL ORDER (HOST NUMBER THROUGHOUT ARE OCTAL):

UCLA-NMC IS NO LONGER A SERVER;
HOST 205 IS NOW BBN-TENEXD, A NEW SYSTEM (BBNB) IS NOW HOST 61;
RAND-RCC WAS ACCIDENTALLY OMITTED FROM THE PREVIOUS LIST;
SDC-LAB HAS BEEN TEMPORARILY ELIMINATED FROM THE LIST UNTIL IT RETURNS TO THE NET;
I4-TENEXA (117) IS NOT A SERVER--KI4B-TENEX (217) IS, AND HAS BEEN ADDED TO THE LIST;
AMES-67 FIXED A BUG, REVEALING TO THE WORLD THE NEW-PROTOCOL SERVER (NO OPTIONS) THAT WAS THERE ALL ALONG;
ISI-DEVTENEX (226) AND USC-ECL (327) HAVE BEEN ADDED.

WHAT FOLLOWS IS AN UPDATE OF THE SUMMARY AND TABULATION THAT APPEARED LAST MONTH.* THERE IS STILL A LONG WAY TO GO TO 100% NEW-PROTOCOL IMPLEMENTATION.

| | | |
|--------------------------|----|------|
| TOTAL SERVER HOSTS | 34 | 100% |
| NO NEW-PROT SERVER | 21 | 62% |
| TOTAL NEW-PROT IMPLM. | 13 | 38% |
| NEW-PROT ON SOCKET 27, | | |
| OLD ON SOCKET 1 (2) | 6 | 18% |
| NEW-PROT ON 1 AND 27 (3) | 6 | 18% |
| NEW-PROT ON 1 ONLY | 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 23 SEPT. 1974.
- (2) THESE ARE THE SITES WHOSE OPERATION IS 100% CORRECT ACCORDING TO ALL PROTOCOL 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 IMPLETMENTED(IF ANY) |
|-------------|--------------|-------------|--------------|---|
| 101 | UCLA-CCN | OLD | X | |
| 201 | UCLA-CCBS | OLD | X | |
| 2 | SRI-ARC | OLD | X | |
| 102 | SRI-AI | OLD | X | |
| 3 | UCSB-MOD75 | OLD | X | |
| 4 | UTAH-10 | OLD | X | |
| 105 | BBN-TENEX | OLD | NEW | I1, 3, 6; O3 |
| 205 | BBN TENEXD | OLD | NEW | I1, 3, 6; O3 |
| 305 | BBN-TENEXA | OLD | NEW | I1, 3, 6; O3 |
| 106 | MIT-DMS | NEW | NEW | I1, 3; O3 |
| 206 | MIT-AI | OLD | X | |
| 306 | MIT-ML | OLD | X | |
| 7 | RAND-RCC | OLD | X | |
| 11 | HARV-10 | NEW | X | I1, 3; O3 |
| 12 | LL-67 | OLD | X | |
| 112 | LL-TX-2 | OLD | X | |
| 13 | SU-AI | NEW* | NEW* | I1, 3 |
| 15 | CASE-10 | OLD | X | |
| 16 | CMU-10B | NEW | NEW | I1, 3; O3 |
| 116 | CMU-10A | NEW | NEW | I1, 3; O3 |
| 17 | I4-TENEX | OLD | X | |
| 217 | KI4B-TENEX | OLD | X | |
| 20 | AMES-67 | NEW | NEW | NONE |
| 126 | USC-ISI | OLD | X | |
| 226 | ISI-DEVTENEX | OLD | X | |
| 27 | USC-44 | OLD | X | |
| 327 | USC-ECL | OLD | X | |
| 32 | SDAC-44 | OLD | X | |
| 37 | CCA-TENEX | OLD | X | |
| 40 | PARC-MAXC | OLD | NEW | I1,3,6; O3 |
| 43 | UCSD-CC | OLD | NEW | I0(!), 3; O0, 3 |
| 53 | OFFICE-1 | OLD | X | |
| 54 | MIT-MULTICS | NEW | NEW | NONE |
| 61 | BBN-TENEXB | OLD | NEW | I1, 3, 6; O3 |

KEY TO SERVER STATUS TABLE:

X NO SERVER AT THIS SOCKET

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: * THERE APPEARS TO BE A MINOR BUG IN SU-AI'S SERVER: IT SEEMS TO
 SEND AN IMPROPER RESPONSE TO A REQUEST FOR OPTION 0.

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