                    SUMMARY OF SMALLBERG SURVEYS

This is a summary of the surveys of Telnet, FTP and Mail (SMTP)
servers conducted by David Smallberg in December 1982 and January
and February 1983 as reported in RFC 832-843, 845-846. This memo
extracts the number of hosts that accepted the connection to
their server for each of Telnet, FTP, and SMTP, and compares it
to the total host in the Internet (not counting TACs or ECHOS).

One would not expect the percentage to reach 100, since some
hosts will be down when the surveys are run, but many hosts are
for special purposes and don't offer these services. We estimate
that 37 hosts or 11 percent are in this catagory and the highest
percentage one could reasonably expect is 89.

                             TELNET

RFC	DATE	ACCEPT	TOTAL	PERCENT
832	7 Dec 82	83	315	26
833	14 Dec 82	103	314	33
834	22 Dec 82	102	314	32
835	28 Dec 82	95	314	30
836	4 Jan 83	151	315	48
837	11 Jan 83	171	323	53
838	18 Jan 83	172	323	53
839	25 Jan 83	182	323	56
842	1 Feb 83	183	382	48
843	8 Feb 83	187	329	57
845	15 Feb 83	176	329	53
846	22 Feb 83	190	325	56

                              FTP

RFC	DATE	ACCEPT	TOTAL	PERCENT
832	7 Dec 82	70	315	26
833	14 Dec 82	90	314	29
834	22 Dec 82	80	314	25
835	28 Dec 82	80	314	25
836	4 Jan 83	132	315	42
837	11 Jan 83	153	323	47
838	18 Jan 83	159	323	49
839	25 Jan 83	165	323	51
842	1 Feb 83	170	328	52
843	8 Feb 83	174	389	45
845	15 Feb 82	169	329	51
846	22 Feb 83	181	325	56

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                          SMTP

     RFC          DATE          ACCEPT        TOTAL         PERCENT
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     832       7 Dec 82           63           315            20
     833      14 Dec 82           82           314            26
     834      22 Dec 82           82           314            26
     835      28 Dec 82           72           314            23
     836       4 Jan 83          124           315            39
     837      11 Jan 83          145           323            45
     838      18 Jan 83          154           323            48
     839      25 Jan 83          159           323            49
     842       1 Feb 83          169           328            52
     843       8 Feb 83          170           329            52
     845      15 Feb 83          169           329            51
     846      22 Feb 83          178           325            55
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