

1979: Usenet

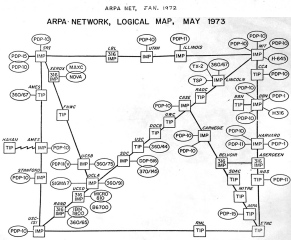
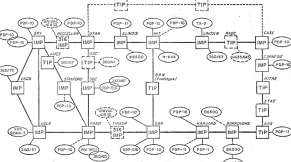
HoW1979 - 1

Figure 1 illustrates a complex signaling pathway involving the Rb protein and the p53 pathway. The diagram shows the following components and interactions:

- Top Row:** E2F-1, p53, MDM2, p107, p130, p16, p14, p15, p18, p19, p21, p27, p28, p30, p31, p32, p33, p34, p35, p36, p37, p38, p39, p40, p41, p42, p43, p44, p45, p46, p47, p48, p49, p50, p51, p52, p53, p54, p55, p56, p57, p58, p59, p60, p61, p62, p63, p64, p65, p66, p67, p68, p69, p70, p71, p72, p73, p74, p75, p76, p77, p78, p79, p80, p81, p82, p83, p84, p85, p86, p87, p88, p89, p90, p91, p92, p93, p94, p95, p96, p97, p98, p99, and p100.
- Left Column:** E2F-1, p53, MDM2, p107, p130, p16, p14, p15, p18, p19, p21, p27, p28, p30, p31, p32, p33, p34, p35, p36, p37, p38, p39, p40, p41, p42, p43, p44, p45, p46, p47, p48, p49, p50, p51, p52, p53, p54, p55, p56, p57, p58, p59, p60, p61, p62, p63, p64, p65, p66, p67, p68, p69, p70, p71, p72, p73, p74, p75, p76, p77, p78, p79, p80, p81, p82, p83, p84, p85, p86, p87, p88, p89, p90, p91, p92, p93, p94, p95, p96, p97, p98, p99, and p100.
- Right Column:** E2F-1, p53, MDM2, p107, p130, p16, p14, p15, p18, p19, p21, p27, p28, p30, p31, p32, p33, p34, p35, p36, p37, p38, p39, p40, p41, p42, p43, p44, p45, p46, p47, p48, p49, p50, p51, p52, p53, p54, p55, p56, p57, p58, p59, p60, p61, p62, p63, p64, p65, p66, p67, p68, p69, p70, p71, p72, p73, p74, p75, p76, p77, p78, p79, p80, p81, p82, p83, p84, p85, p86, p87, p88, p89, p90, p91, p92, p93, p94, p95, p96, p97, p98, p99, and p100.
- Bottom Row:** E2F-1, p53, MDM2, p107, p130, p16, p14, p15, p18, p19, p21, p27, p28, p30, p31, p32, p33, p34, p35, p36, p37, p38, p39, p40, p41, p42, p43, p44, p45, p46, p47, p48, p49, p50, p51, p52, p53, p54, p55, p56, p57, p58, p59, p60, p61, p62, p63, p64, p65, p66, p67, p68, p69, p70, p71, p72, p73, p74, p75, p76, p77, p78, p79, p80, p81, p82, p83, p84, p85, p86, p87, p88, p89, p90, p91, p92, p93, p94, p95, p96, p97, p98, p99, and p100.

The diagram shows the following interactions:

- E2F-1** is a transcription factor that is regulated by **p53** and **MDM2**.
- p53** is a tumor suppressor protein that is activated by DNA damage and other stressors.
- MDM2** is a protein that binds to **p53** and inhibits its activity.
- p107** and **p130** are proteins that bind to **E2F-1** and inhibit its activity.
- p16** and **p14** are proteins that bind to **p53** and inhibit its activity.
- p15** and **p18** are proteins that bind to **p53** and inhibit its activity.
- p19** and **p21** are proteins that bind to **p53** and inhibit its activity.
- p27** and **p28** are proteins that bind to **p53** and inhibit its activity.
- p30** and **p31** are proteins that bind to **p53** and inhibit its activity.
- p32** and **p33** are proteins that bind to **p53** and inhibit its activity.
- p34** and **p35** are proteins that bind to **p53** and inhibit its activity.
- p36** and **p37** are proteins that bind to **p53** and inhibit its activity.
- p38** and **p39** are proteins that bind to **p53** and inhibit its activity.
- p40** and **p41** are proteins that bind to **p53** and inhibit its activity.
- p42** and **p43** are proteins that bind to **p53** and inhibit its activity.
- p44** and **p45** are proteins that bind to **p53** and inhibit its activity.
- p46** and **p47** are proteins that bind to **p53** and inhibit its activity.
- p48** and **p49** are proteins that bind to **p53** and inhibit its activity.
- p50** and **p51** are proteins that bind to **p53** and inhibit its activity.
- p52** and **p53** are proteins that bind to **p53** and inhibit its activity.
- p54** and **p55** are proteins that bind to **p53** and inhibit its activity.
- p56** and **p57** are proteins that bind to **p53** and inhibit its activity.
- p58** and **p59** are proteins that bind to **p53** and inhibit its activity.
- p60** and **p61** are proteins that bind to **p53** and inhibit its activity.
- p62** and **p63** are proteins that bind to **p53** and inhibit its activity.
- p64** and **p65** are proteins that bind to **p53** and inhibit its activity.
- p66** and **p67** are proteins that bind to **p53** and inhibit its activity.
- p68** and **p69** are proteins that bind to **p53** and inhibit its activity.
- p70** and **p71** are proteins that bind to **p53** and inhibit its activity.
- p72** and **p73** are proteins that bind to **p53** and inhibit its activity.
- p74** and **p75** are proteins that bind to **p53** and inhibit its activity.
- p76** and **p77** are proteins that bind to **p53** and inhibit its activity.
- p78** and **p79** are proteins that bind to **p53** and inhibit its activity.
- p80** and **p81** are proteins that bind to **p53** and inhibit its activity.
- p82** and **p83** are proteins that bind to **p53** and inhibit its activity.
- p84** and **p85** are proteins that bind to **p53** and inhibit its activity.
- p86** and **p87** are proteins that bind to **p53** and inhibit its activity.
- p88** and **p89** are proteins that bind to **p53** and inhibit its activity.
- p90** and **p91** are proteins that bind to **p53** and inhibit its activity.
- p92** and **p93** are proteins that bind to **p53** and inhibit its activity.
- p94** and **p95** are proteins that bind to **p53** and inhibit its activity.
- p96** and **p97** are proteins that bind to **p53** and inhibit its activity.
- p98** and **p99** are proteins that bind to **p53** and inhibit its activity.
- p100** is a protein that binds to **p53** and inhibits its activity.



HoW1979 - 1

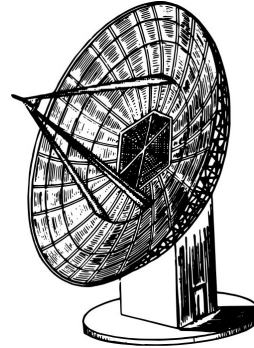
So I open the door
It's the 'friend' that
I'd left in the hallway
'Please sit down'
A candlelit shadow on a
wall near the bed

You know I hate to ask
But are 'friends'
electric?
Only mine's broke down
Andnow I've no-one to
love

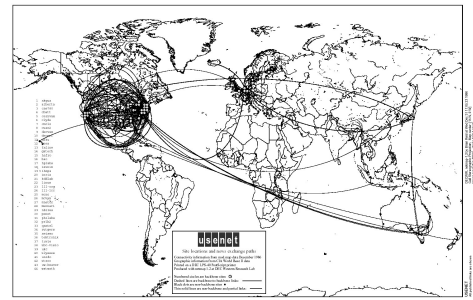
Tubeway Army / Are 'friends' electric? (1979)

HoW1979 - 2

Questo perché nel frattempo la rete Usenet si era notevolmente allargata, diventando di fatto una delle prime macro-comunità online.




HoW1979 - 3



HoW1979 - 4

Usenet

On air:
"Echo beach
(Martha and the Muffins)
"Are friends electric?
(Tubeway Army)



progettare una rete
sistemi operativi UNIX, che
consentisse agli utenti di
scambiare informazioni e
idee in maniera spontanea.
L'anno successivo, Usenet
veniva presentata al
mondo. Il nome deriva
dall'unione delle parole
"user" e "network". Usenet
è uno dei network di
computer più longevi, e fu
uno dei primi ad essere
concetto al di fuori
dell'apparato governativo
USA. I suoi autori, infatti, lo
descrivono come
"FARPANET del pover".



Hack (or) Wave

Note:

Questa ricerca è stata prodotta a marzo 2019
da Hack or Wave
sotto una licenza
CC-BY-NC-SA 4.0 internazionale
tutto: <https://creativecommons.org/licenses/by-nc-sa/4.0/deed.it>
non specificata altrimenti le immagini sono
motivi di studio e ricerca.

bibliografia:
 Abbate, J. (2000), *Inventing the Internet*, MIT press
 Gubitoso, C. (1999), *Italian gaduqdom: BBS amatoriali, volonari, telematici, censurati e sequestri nell'Italia degli anni'90*, Apogeo Editore.
 en.wikipedia.org: *Usenet*, *Internet protocol Suite*, *Bulletin Board System*, *FidoNet*, *ARPANET*

collezionaci tutte!
Da oggi con guide per rilegatura DIV incluse! Fai un buco in corrispondenza dei cerchi a lato pagina e poi assicurala le tue preziosissime fanzine con un cordino, un laccio, un nastro o il filo delle cuffie.

1977: il Personal Computer
1978: Informatica in Italia
...fino al 1989 (forse)

fine



Hack or Wave,
nelle puntate precedenti:

Nella di incriminatore venne trovato, ma ormai il danno era stato fatto e la diffusione del World Wide Web fu un ulteriore disincentivo per la ricostruzione della rete di BBS. Per quanto riguarda Usenet, il traffico è molto diminuito nel corso degli anni. Nel 2010 la Duke University, dove Usenet venne concepita e iniziata, ha chiuso il suo server. L'anno dopo un altro dei primi server Usenet, nella University of North Carolina, è stato chiuso. Ma questo non significa che ci siano stati nel tempo (e oggi) altri esperimenti di reti autogestite e decentralizzate: ne parleremo in un altro numero.

[illegible]

M 80, un'altra tecnologia importante fu quella delle BBS, cioè Bulletin Board Systems. Come per Usenet, era possibile accedere alla BBS attraverso la linea telefonica. Ma c'era una differenza fondamentale tra l'architettura di Usenet e quella delle BBS: Usenet è una rete di server distribuita, che funziona su un principio analogo a quello dei peer-to-peer. Le BBS invece sono un server centralizzato con i computer che vi si connettono. Dalla metà degli anni '80 le BBS iniziarono a organizzarsi attorno a un proprio network chiamato Fidonet. Anche tra Fidonet e Usenet era possibile scambiare informazioni, ma non attraverso canali comunicazionali.