

UUCP Mapping

...{seismo,decvax,philabs,kremvax}!mcvax!jaap
...!decvax!mcvax!jaap
...!research!mcvax!jaap
jaap%mcvax.UUCP@UCB.ARPA
jaap@mouton.arpa

Apologies

- There is way too much history
- Just a random sample of factoids
- All errors are mine

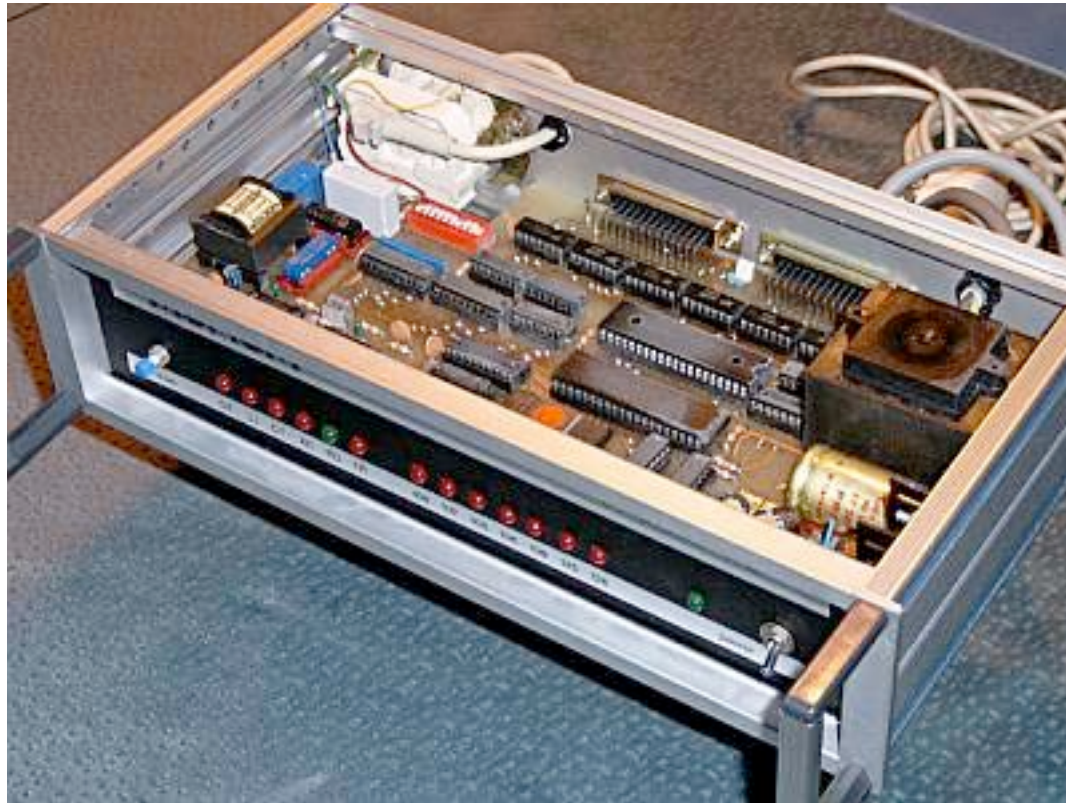
UUCP Networking

- Unix to Unix CP
 - UUCICO
 - UUXQT
- System maintenance
- No special hardware needed
- Complete anarchy

UUCP Addressing

- Store and Forward network
- Form of source routing
 - Specifications of intermediate hosts
 - Static
- ...!mcvac!jaap
- ...{seismo,decvax,philabs,kgbvax}!mcvax!jaap

Auto Dialer



Other Networks

- EARN/BITNET
 - Built in routing map, host file
- Janet
 - label order reversed
- Berknet
- Decnet

Gateways

- Address reversal
- Specifying gateways
- Various priorities
- Birth of sendmail rewriting engine
 - RFC 976, uucp mapping

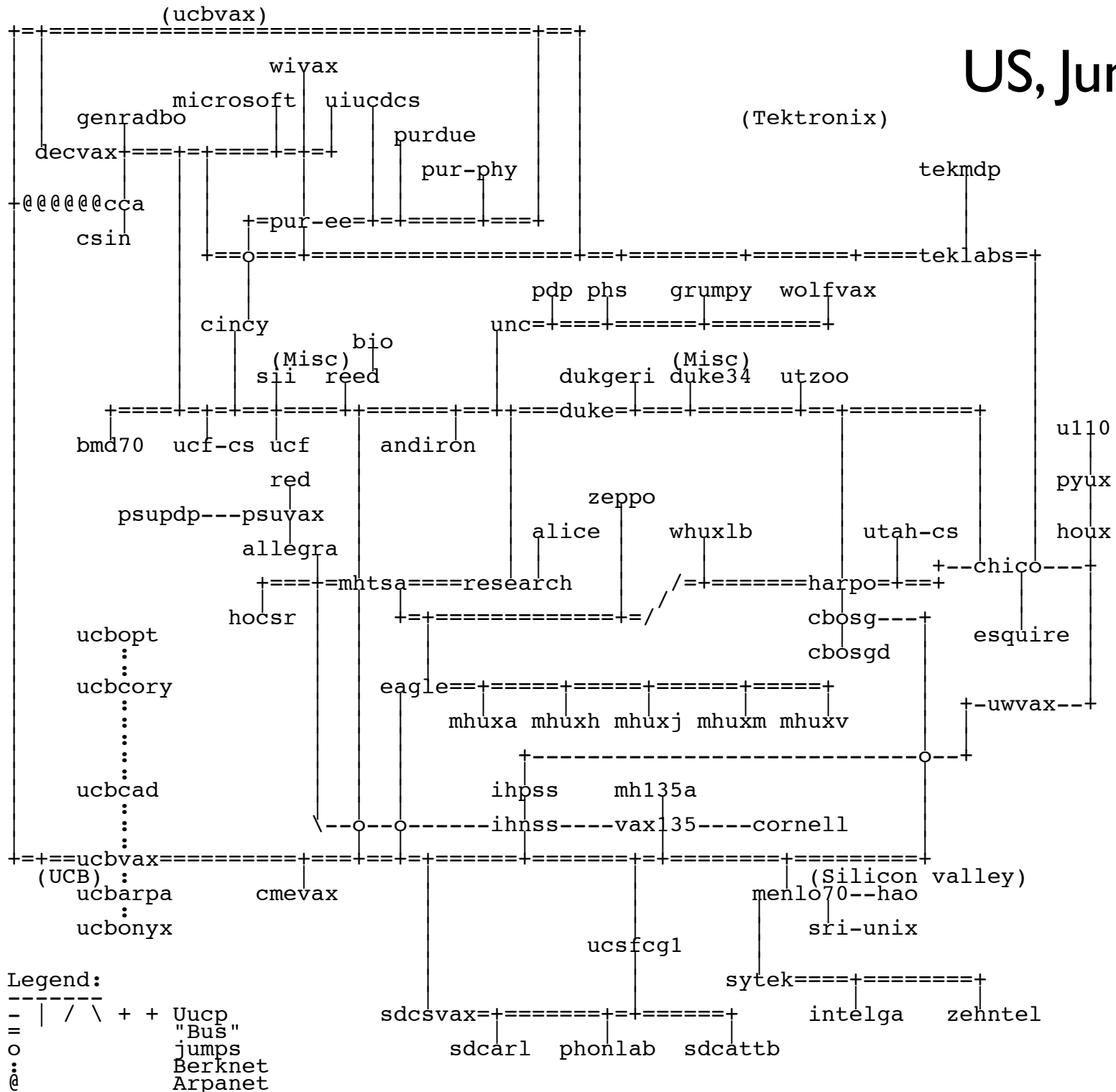
!%@::

A Directory of Electronic Mail Addressing & Networks

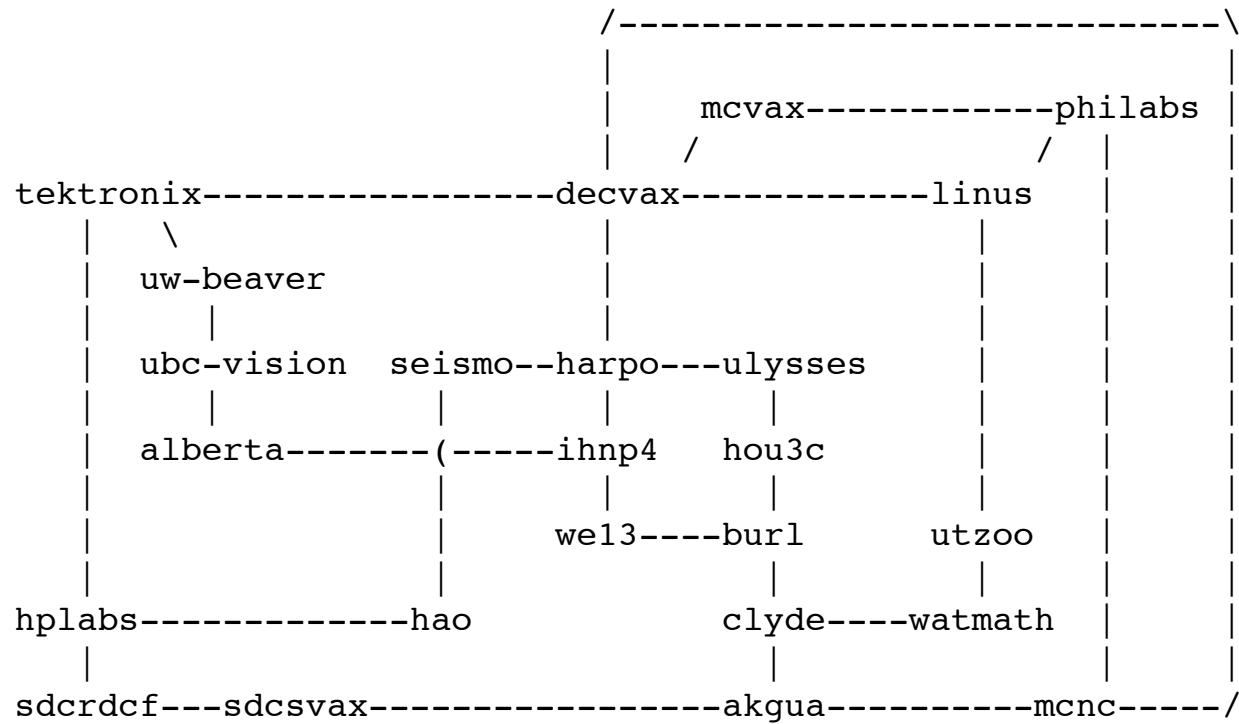
Donnilyn Frey, Rick Adams

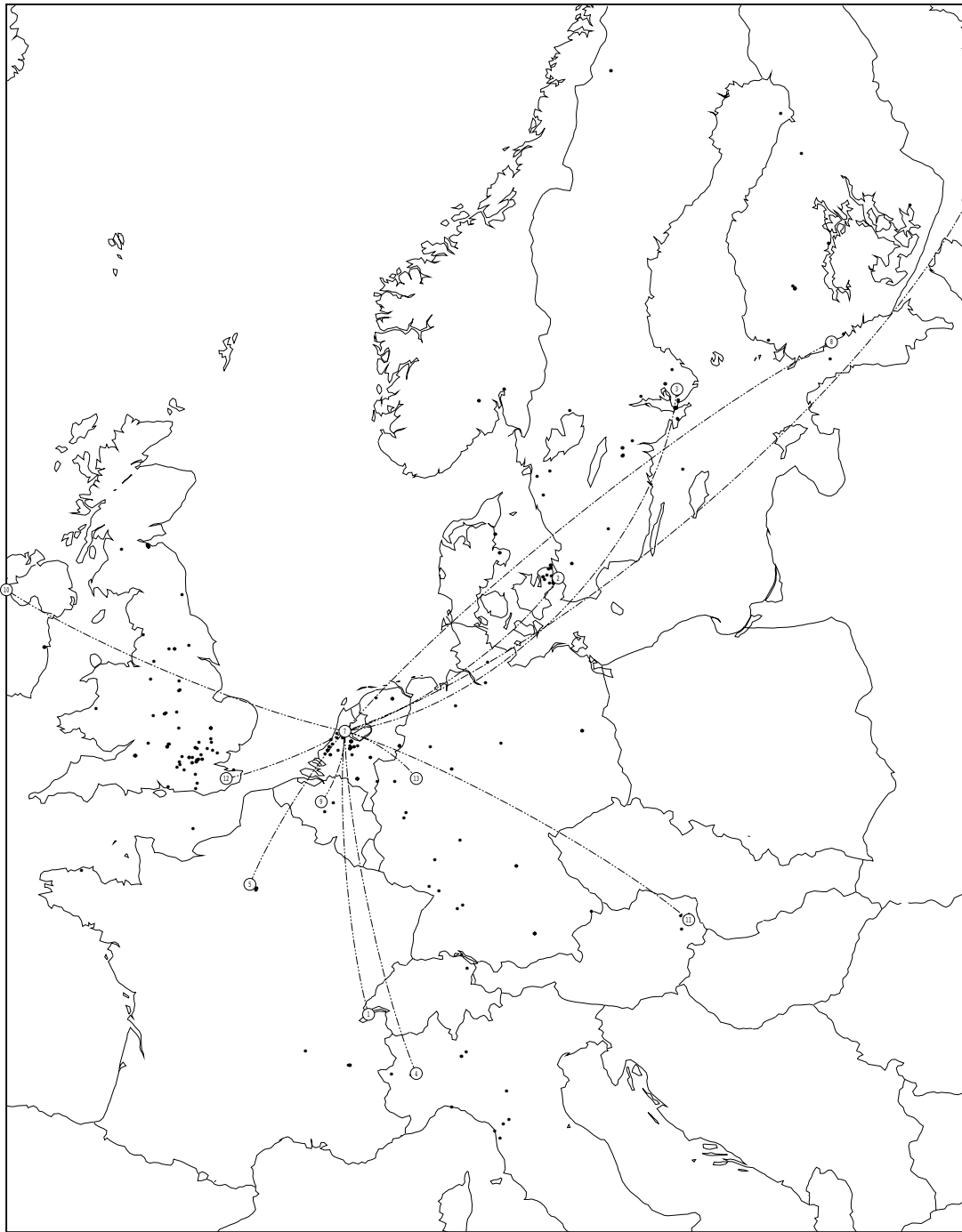


US, June 1981



Europe, 1984

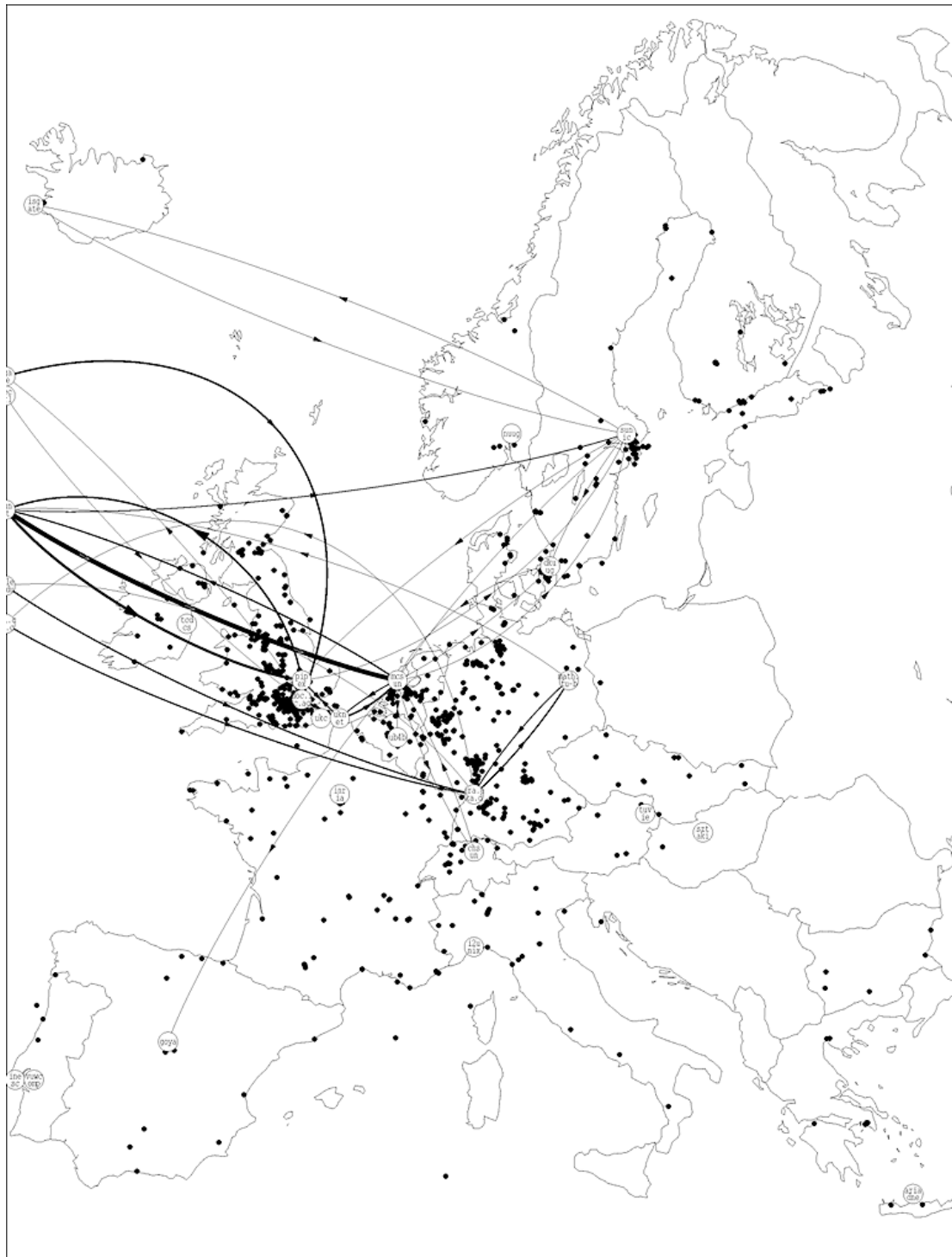




- 1 cernvax
- 2 diku
- 3 enea
- 4 i2unix
- 5 inria
- 6 kddlab
- 7 mcvax
- 8 penet
- 9 prlb2
- 10 seismo
- 11 tuvie
- 12 ukc
- 13 unido

USENET Sites in Europe
 Numbered circles are backbone sites

DECWRL netmap-1.2 at Mon Nov 24 21:53:16 1986
 Lambert Conformal Projection [55°N,45°N], Map center: [55°N, 10°E]
 Image resolution 300/in., stroke limit 5 pixels



Backbone news flows, Europe
Line width proportional to directional effective flow volume

DECWRL netmap-2.1 by Brian Reid at Thu May 13 12:04:09 1993
Lambert Conformal Projection [55°N, 45°N]. Map center: [54°N, 9°E]

From: r...@uunet.UU.NET (Rick Adams)
Newsgroups: news.config
Subject: mcvox connection down
Message-ID: <41182@uunet.UU.NET>
Date: 12 Dec 88 20:02:26 GMT
Organization: UUNET Communications Services, Arlington, VA
Lines: 12

The Dutch PTT has disconnected the Amsterdam section of the leased line between uunet and mcvox.

This was not supposed to happen and we are trying to have it reconnected.

However, most mail to and from Europe will be seriously delayed.

No estimate on down time is available, but it will be at least 24 hours.

---rick



Complete aggregate news flow, worldwide
Line width proportional to directional effective flow volume

DECWRL netmap-2.1 by Brian Reid at Thu May 13 13:49:34 1993
Gall Stereographic Projection, Map center: [15°N, 88°W]

UUCP Mapping

- Domain addressing on top of UUCP Route
- “National entry points”
- Dynamic routing
- Path Shortening

UUCP Map Entry

```
#N sun4nl, .nluug.nl, nluug.nl, sun4nl.nluug.nl, netherlands.eu.net,  
.nl.net, nl.net, sun4nl.nl.net  
#S #O NLnet  
#C Martijn Roos Lindgreen  
#E postmaster@NL.net  
#T +31 20 6639366  
#P Kruislaan 419, NL-1098 VA Amsterdam, Netherlands  
#L 4 54 E / 52 22 N city  
#R Dutch backbone site  
#U  
#W piet@cwi.nl 911114, arjan@NL.net 960405  
#  
sun4nl .nluug.nl, nluug.nl  
sun4nl .nl.net, nl.net  
sun4nl = sun4nl.nl.net  
# National uucp links  
sun4nl 2ainfo(DEMAND), 2ekamer(DEMAND), 4unl(DEMAND), a2000nl(DEMAND),  
aac(DEMAND), aasup00(DEMAND), abab(DEMAND), acal(DEMAND), .....  
# National smtp links still having uucp sites/aliases  
sun4nl gouldnl.encore.nl(DEMAND), wn1.sci.kun.nl(DEMAND),  
igate.nufficcs.nl(DEMAND), htasa.htsa.hva.nl(DEMAND),  
nikhefk.nikhef.nl(DEMAND), phcoms.seri.philips.nl(DEMAND),
```


UUCP Mapping

- Stimulated ccTLD creation
- Addressing decoupled from transport
- Lived much longer than anybody thinks

From: jen...@diku.dk (J|rgen Jensen)
Newsgroups: comp.mail.misc
Subject: Re: Host @mcvax
Message-ID: <1991May5.215326.28148@odin.diku.dk>
Date: 5 May 91 21:53:26 GMT
References: <1991May5.053334.6893@cse.uta.edu>
Sender: jen...@rimfaxe.diku.dk
Organization: Department of Computer Science, U of Copenhagen
Lines: 26

b912d...@utarlg.uta.edu (DOUG WITMER) writes:

>Does anyone out there know how to address e-mail to this address:
>user@mcvax!prlb2!kulet ? This address should be in Belgium.
>Thanks!
>

"kulet" is a registered uucp-name. Thus you should use your favorite manner of addressing such sites.

E.g. one of these:

u...@site.uucp
uunet!site!user
relay.eu.net!site!user # as we know it's in Europe
site!u...@relay.eu.net # only from SMTP-host

There is no need to know the exact path that will be used; and besides "mcvax" have been on a pension for quite some time now.-)

--

. j e n s e n
(jen...@diku.dk)

Opinions? -- These are rock-solid facts!

Questions??