

December 10, 1997

Oartech minutes for December 10, 1997

Bill Mahew opened the meeting at 10:00. The attendees introduced themselves.

10:10 Meeting notes from the October 8 meeting were unanomously accepted
Bill asked for old business - none.

10:15 OARnet update

Larry Buell - 3rd year with Larry and Gene, Oarnet in good financial shape, good backbone shape, full employment

Ruth Crites - SOMACS the same - lines go in on schedule, but don't work
got SOMACS pricing estimator - getting requests for DS3, OC-3c pricing

OARnet is expanding, 4000 sq feet of new office space to accomodate new staff
OARnet is adding a training room.

Jodi Santini - support center supervisor - Kevin Earp is focusing on special projects. Trying to maintain 3 people on phones during the day to allow for adequate coverage

Gary Steele - now one of hostmasters at OARnet - talked about reverse DNS entries for DNS - example a local news feed is locally authenticated, OARNet news server uses reverse DNS for authentication
should use a primary, two secondaries (1 on campus, 1 off)
DNS and BIND - O'reilly book OARnet running version 4.9? of bind.

Gene Wallis
OARnet backbone passed out maps, adding OC-3 to vBNS, UUNET 1/98 working on DS3 into Chicago NAP propose DS3 to Detroit, establish a POP there
propose DS3, POP in /indianapolis
Lexington pop, DS3 is complete, looking for customers

Will begin peering with Time Warner between OSU(KRC), OEB, TW
Time Warner is offering road runner service, portions of traffic go to oarnet,
part of reason for peering. possible future peering with TW up to Akron.

Larry talked about expansion into Detroit, Indianapolis -- Business must support
out-of state pops CWRU to Detroit, K-12 organization in Michigan interested,.
Indianapolis U is interested in I2 connection to Oarnet
Kentucky is also going through Oarnet
Big changes may happen when NSF monies run out.
No Ohio money will be used for out of state pops - no board of regents, ohio
college fees, etc.

10:40 OARnet web group

Jonathon Doklovic - wants to get away from static web sites
using cold fusion to integrate databases into web pages - doing dynamic page generations
no static HTML to do. example - Ohio State OSHA safety tests, etc.
Databases make changes to web pages easier, automated across pages.
hazcom example - takes questions at random from database
using cold fusion requires use of sequel sybase, or oracle DB
cold fusion - \$1000 - similar to perl can encrypt pages
runs on NT, solaris
microspft ?ASP is free - links visual basic to html?

11:00 Fred Crowner - OARnet stats program

set up alias stats@oar.net to check stats, ask fred questions
can also call support center - login ID is customer number , password related
to site
currently has 1 graph - maximum %usage of line thru day, per day for 1 week
(15 min peak) 3DV makes router monitor software - bought by network general?

Fred demoed web site for stats - stats.oar.net
graphics show by report, router, port, line speed.
uses deskwalk package to create stats web interface called trendweb
Gene commented on usage stats - how to determine when additional access is needed.
ideal line utilization - 25-50% usage above 75%, maxing out, (spikes hit max)

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Kingsley Meyers (Rio Grande) asked about OARnet providing News server for sites
- must have reverse DNS maps done, will be \$100 per class c

several sites mentioned news server set-ups, disk usage, etc.

RAid performance is poor - raids optimized for 16-20 K files, not typical 3k news article.

11:45 Ohio Link update - Greg German

Electronic journal Elsevere titles will be available on line sometime in January - 1300 journals, most of 1997 loaded, 1995-1996 backfiles in progress academic press journals will be next. 4100 Dec Alpha, 2 CPU's 1 GB Memory, 1.2TB disk enough for 3 years of journals are converting from vendor supplied databases to in-house developed with dataware no update on Authentication API from III Dataware development will allow more flexibility in future.

Elliot (Oberlin) mentioned spamming problems PMDF? stops mail relaying, causes problems with dial-in users, they can't send mail to off-campus (blocked becaus mail server won't rely) asked if anyone had a good solution Gene Wallis mentioned that Loki will stop being a mail relay at the end of the month. keeping dial-up.oar.net, blocking access from spam sites.

Elliot looking at IMAP for entire campus asked if anyone was running LDAP or X.500

Wright state? uses LDAP, NEOUCOM looked at it.

NEOUCOM looig at SAMBA as a universal directory space for users

12:00 Break for lunch

1:00 review of white paper

Bill reviewed changes from last time- TAC's changes implemented, raised a few requirements

Elliot Joleschmotioned to accept, Kingsley Meyer seconded, unanimously accepted by a yea vote.

1:15 network tools forum

Bill Mayhew

Red Hat Linux - now supported on pentium, alpha, sparc supports samba -

windows SMB server message block suport, web server apache 4.3?

Ransel (Kent) There is also caldera version of linux, free to edu users
gated from cornell - can run routing softare

Bill Mayhew showed a TP transceiver (powered by a 9v battery) he uses for
trouble shooting, a cable continuity tester (Weidmueller), TP cable tester -
transmitter and receiver.

Bill recommended buying a good crimper - don't mess with a cheap tool.
ditto for phone punch-down tools, etc.

Bill showed some TP spliced test cable for emergency pc hook-ups.

Bill talked about a toshiba libretto a pentium -75, or 120 based palm-top
(windows-ce?)

Bill showed tools on his web site - homer.neoucom.edu/oartech/download
misc. tools

He demonstrated Drawbridge tool. - much less picky than karlbridge
set up filters for a bridge.

fluke switch wizard - another tool

ghostsoft.com - good for labs, pc rollouts, copies Hd's etc - back-up?

goldenhawk - cd-rom writing utilities

Tom Gruber - Bowlinggreen - talked about revardist - verifies versions on
volumes - to restore labs pc disks ...

Dennison University - loking at ATM, talked to Cisco, will have 3com in, asked about
other infrastructure.

Elliot Jolesch - talked about Oberlins's conversion - shared enet/routers to
flat switched net, ATM backbone.

looked at 9 vendors, asked for rfp, didn't specify ATM, chose CAbletron

Patrick Limpach spoke of CWRU's experience - looked at Cisco, Cabletron,
Newbridge, IBM, Digital, Hughes, Lightstream, and Fore - chose Fore.

Patrick gave a brief description of our set-up, elans,conversion process etc.

2:30 new business

2:31 meeting officaly adjourned