Oartech minutes for August 13, 1997

Bill Mayhew opened the meeting at 10:10 am. The attendees introduced
themselves.

Meeting notes from the June 1997 meeting were unanomously approved.
Bill set up a web site for oartech info at homer.neoucom.edu/oartech (minutes,
etc)

10:15   Oarnet NIC Update. Kevin Earp

Kevin Earp noted the NIC is adding 3 new staff members. Chris Steele is
putting together a training program for the staff, help desk etc.
They will have monthly class update, and are working on video based training.
Spamming is still going strong, using mail gateways for relaying.
LCI is working on DS3 problems, slipping on trouble response.

Question from ? - can training materials be used for clients?
Kevin replied that could eventually be done.

10:30   SOMACS Update. Ruth Crites

Ruth Crites introduced Nancy, who will take over the administrative tasks
of SOMACS email: Nancy@oar.net
Ruth showed a list of the new schools connecting via SOMACS...
There is a SONIC video bridge available at DAS.

Question from ? - Who do we call for service problems not going through
or to OARnet? Ruth replied that these need to be resolved with SOMACS.

10:45   Oarnet Update (Internet II, gigathis, gigathat, etc.) Larry
        Buell/Gene Wallis

Larry Buell   OARnet update
As of July 1, the state budget funded subsidies to help build the backbone.
OARnet service base - Higher ed, Oplin, K-12, state of Ohio, businesses, etc.
Inernet II - Ohio has 4 member institutions, CWRU, OSU, OU, UC.Other schools
that may be added: WSU, KSU Toledo, Miami.
Larry is looking at a meeting on August 26 to organize member
schools for an   I2 committe under oarsteer. He is forming plan for
Board of Regents,for federal funding for I2
At the I2 general meeting in Washington,DC, OSC was working on application
demos - remote medicine, surgery applications.

Gene Wallis OARnet update
We need an ATM link to Washington DC for above proposed demo.
Gene and Larry went to meeting (I2) about future directions - all simulations
so far.
Gene putup a map of old OARnet ~2 years ago, new OARnet as of today,
and traffic stats this year ~3x last year's traffic. Gene expects leveling
off for the year i.e. increase, but not orders of magnatude.
The DS-3 between Toledo and Cleveland is now up. The Akron - SOT DS3 is
still in the works. Ther are now 2 OC-48 rings in Columbus for SOMACS, DAS, etc.
LCI is putting in another OC-48 ring in September, and OARnet is planning
a Toledo - Dayton DS3. Planning a DS-3 into Lexington.

FY97-98 plans - Ohiolink at KRC will have an OC3 connection.
(Ohiolink OSC disk farm sharing, etc)

OCARnet - SGI worksations at KRC are ATM conected via OC-12 to fore
switch,and an OC-12 to OSU-CIS Dr. Raj Jain's office. The T1's to UC, WSU
will be up soon.

CICnet is gone, disbanded portions bought by IAG in cleveland (bad group)

OARnet is now running 45-48 Mb across 2 DS-3's looking at adding a DS3 from
Cleveland to Nroyalton, and DS3 from Toledo to Chicago NAP. OARnet is
talking with LCI about circuit pricing, total link cost ~ $250K/year
Gene is projecting access cost to go up as bw is scarce in backbone,as
demand goes up - i.e. I2 will become more important, and will have schools,
govt, asociations they talk to connected.
Chicago is starting a starNAP - an international NAP
I2 has 110 schools, 25-35 business associates, 60 schools with vBNS grants.

 Question - Patty Vendt - Could we do what florida did - co-ordinated grant
requests for schools ?

OSU has vBNS grant, UC has grant request in, does Case?   vBNSbackbone is
by school, affiliated identity connection only (at this time)

Ruth asked about newreader service - Gene said adding capital budget $500K to
rebuild oarnet server base - 300Mhz sun ultrasparc IIUs (8) 700 GB disk,
to replace news servers (4) adding a news reader service will be at KRC
net management server,

11:15   Discussion of OhioLink Authentication requirements, access
        methods, etc. Validation of legitimate patrons from random IP
        address locations.

        Volunteers to assist TAC committee. Greg German / Anita Cook.

Greg German Ohiolink update
OHIOLink will shutdown all servers Fri morning, moving to KRC through Sunday.
New ip numbers will be published, and powerpages sever configuration will
need changed (LEAD IMPLEMENTOR)
Ovid machine will be upgraded for this fall to handle it's load.
A new ISI server will be moved to production.
There will be a distributed firewall document for ohiolink access.

Bill read letter from OTAC about remote authentication.
Bill mentioned skycorp again - i.e ext ISP reserving IP's
OTAC letter stated tac committe looked it over, but with 50+ database vendors
to support, and each one doing access differently, they want to keep access
IP based. They recommended a proxy server for remote access.
III is working on an API for authentication.
Usage?   paid for by ohiolink for all sites. IP works for local access, remote
access is what all the fuss is about. Ohio link does not want to maintain
database of all users - this is a local site issue.
They proposed a committee chaired by Greg German to establish a state-wide
authentication/access system.
Greg sees the best possible solution as user logs in to ohiolink site,
authenticates as user, but this breaks down using http - recommended a proxy
server mechanism for access. need to discuss security concerns, access issues.
Patrick Limpach volunteered for the committe, we need 2 more for committee
to be complete.

Pete Murray said that III is working on a proxy server, but it is expensive,
so it probably won't be purchased ($15-20K).

Gene mentioned watching traffic , seeing major traffic to/from AOL

11:45   Discussion of the OARTech/OSteer White Paper.
      A (current?) version is in ftp://ftp.onu.edu/pub/misc/oartech)

Bill started talking about white paper for OSTEER for provost level personel.
No one was prepared with a copy of the white paper.
Changes:
Introducions - no changes
User workstations - remeove vendor specificity, focus on performance specs
 Greg mentioned GIS info, web browser and adobe acrobat at the same time(pete)
 Bill said we should keep the workstation paragraph the same
 Greg said we should up te memory to 32M with reasons - applications, etc
 Bob said operating systems and multiple apps require 32M of RAM.
 Lee restated paragraph consisely - Bill has it and will post.
 Bill went over the basic system requirements, added network interface
Network recommendations - dropped slip
Cableplant item 7- cat5 or better?
Item 5 authentication - greg mentioned proxies, etc
Network recommendations - need adequate staffing levels
 Galen mentioned Gartner study with #'s of users per network staff
 and stated the network infrastructure is not self-sustaining or self repairing,
 and requires adequate staffing resources.
Section 10 add hardware, software, and staff.
Item 12 adequate numbers of skilled and trained staff should be maintained
 for design, support, maintenance, upgrade of network, support and training of
 users.
We will have further on-line discussions.

Lunch 12:20 sandwiches provided by OARnet.

1:20   Roundtable discussion of controlling and accounting for network
      access from dorms and home-nets.

    IP filtering and security...
        Copyright issues, etc.
        Methods, products.

    IP assignment and control...
        Avoiding address conflicts.
        Methods, products.

    Computer software configuration and control...
        Is it necessary?
        Course work, on-line exams and user authentication.
        Methods, products.

    Hardware discussion...

Washington U, Lexington VA - has dorms set up with students blocked from internal access and must go through their firewall to get to local campus services POP mail is a problem, looking at IMAP?

Ohio university - has open ports for students

KSU - separate subnet for assigning address via dhcp, have port in dorm room.

Rio Grand - classC block of DHCP for students.

DeVry - use external ISP for studnet access.

Wilmington - cost of studnt access offset by dropping labs.

Patty Vendt asked if people have hubs available for students to connect.

Bill Mayhew said needs for mobil ip are increasing - June IEEE communications magazine talked about mobile ip

Pete Murray talked about netware 411 sft servers for software library use sasafrass key access software for limiting access.
Patty Vendt talked about resnet.stanford.edu - lots of information for remote access, campus access, etc

Campuses with a technology charge:

Rio Grande: $7 per quarter

Xavier $30 per quarter
Shawnee $3 per credit hour
       $100 per quarter - voicemailphone/computer.etc

OU $30 per quarter

survey: internet access do you provide/charge? (numbers of sites)

none: 4-5
free in house 6-7
cost in house 5
external 2

Misc. Bugs - office 97, netscape communicator new version hits server for
each cell of animated gif.

2:35 Bill wrapped up the discussion, and called the meeting to a close.