

OARnet Technical Committee (OarTech) Minutes

10:13 AM 4/14/99

Bill Mayhew called meeting to order

Around the table introductions made - 24 attendees

Minutes were accepted by unanimous consent

Doug Gale - OARnet

1. Changes to the OARnet Mission Statement

Added - To provide value added services
and serve as a test bed for emerging
technologies

2. Abilene Test and Evaluation Proposal (Handout)

Testing Abilene technology
Act as backup for Abilene NOC
Evaluate emerging technologies

Waiting on a final proposal if approved from Abilene

Benefits: Opportunities for external funding from NSF

Opportunities for learning

Opportunities for Computer Science Depts

3. Anticipating continued growth within OARnet from the current 325MB to over 600MB soon.

4. Initial agreement for Internet2 schools has been developed

Trying to keep Internet2 structure separated from current connectivity

Connectivity won't be cheap! Finance Committee will meet again on 5/19

Current T1 lines are under-priced and Ameritech is trying to
make up for "loss ground"

5. Facts:

Buying larger connections does not make the price go down

The prices of Internet connectivity are increasing all the time

6. Within the next couple weeks, members will receive survey/questionnaires about

additional services that are available from OARnet.

10:42 AM 4/14/99

OARnet Staff Updates:

Ruth Crites -

Mailing list confusion still exists: Ruth has handouts for subscribing proc.

Everyone should be on "updates" and "OarTech" lists.

Finance Committee will meet again on 5/19/99
Osteer Committee next meeting on 5/25/99 (Holiday Inn - Lane Ave)
SOMACS Schedule Handout

Fred Crowner - Systems Group
Increased use of connectivity monitoring software
Support center can supply password for account holders
Newer version of monitoring software will be installed over the summer.
Trend-SNMP (Desktop Software publishes the package)
A freeware MRTG software is also available for immediate monitoring
OARnet currently runs 30 to 40 servers
Looking at "Distance Learning" software (BlackBoard) for purchase to make it available to schools.

Gene Wallis - Assoc Dir. Operations/Networking/Engineering

Introduced: Brenda Lesko - Business Manager

Handout of OARnet current structure (Spring 99)

- Just added fourth UUNet-DS3 (360MB total)

- Yesterday's stats: (270MB of 360MB running)

Gene Bassin should be contacting schools about local
router replacements (upgrades) before June '99

Dealing with attacks from outside to member schools

- OARnet monitors speeds and can tell when attacks start

- Difficult to trace and identify

- Can be blocked with filters

- Usually resolved within 10 to 15 minutes

Discussion of Email virus attacks last week (Melissa)

Discussion of News Service (Net News)

- Continues to grow at an extremely fast rate

- Hundreds of Gigabits per day

- Currently upgrading INN version to 2.2

Minimum Requirements for local news servers:

- 300MHz PC or UNIX

- 512M Memory

- Multiple Spindle Disk Drives (5 - 9Gig spindles)

- Lots of "baby sitting" time required

12:01 PM 4/14/99

LUNCH Break

1:07 PM 4/14/99

Call for 1999-2000 Nominations for OarTech

Secretarial/Vice-Chairman

Duties: Mainly Minutes and Email publishing

Pat Vendt (Bob Beer)

Chairperson

Normally assumed by previous Vice-Chairman

Duties: Interface to OhioLINK TAC

Interface to Osteer Meetings

No nominations

1:09 PM 4/14/99

Anita Cook - Ohio Link Report

1. Handout - Campus Firewall Requirements

Copies can be found at - <http://www.ohiolink.edu>

2. Doubling available PDF files to 2600 journal articles

3. Digital Media Center

Images and streaming video with audio in future plans

4. Gopher Service is disappearing (primary VT100 access) on June 1, 1999

5. Video Conferencing (VTel System) should be arriving and installed by May

6. Remote Authentication has been in place for a couple months and working well.

1:17 PM 4/14/99

Network Security Issues (discussion)

Smurf Attacks (ICMP messages from fake addresses requesting replies)

Melissa (Email virus filling mail queues)

Enforcement and prosecution of attackers

Approval of enforcement policy should be in place

Evaluate - What are the security risks and responses?

"Round Table" Discussion of past experiences from member schools

<http://www.gte.com/> - Link to service agreement - use as model?

Another good example can be found at Ball State University web site

In all cases, you must "state the obvious" to the users to make the policies legally enforceable.

Physical attributes of security - server access, workstation access, etc.

Locked physical access to equipment

"MindTerm" - Linuxburg via TUCOWS - Allows management via web browser

Security problems with printers (HP's can be telnetted into)

<http://www.samspace.org> - provides tracing information, tracing, etc.

<http://www.rootshell.com> - topics of security

<http://www.insecure.org/nmap> - topics about NMAP

"Practical Unix Security" - O'Reilly & Assoc. <http://www.ora.com/>

Various mailing lists about security available

<http://www.copyrightcontrol.com/> ? Enforcement of copyright issues

June Meeting - Security (Columbus Security Group) Presentation

Pat is arranging them to attend

Problems with student employees having access to data?

Background checks for student employees?

Make sure you have lots of backups!!! Backup policy
and disaster recovery statement should be in place.

Discussion of publishing student addresses and other information.

OLD BUSINESS: None

NEW BUSINESS: None

Next meeting June 9th, 1999

Motion to adjourn 2:29 PM 4/14/99

Seconded

Respectfully submitted,

<signed>

David J Leitch

Vice-Chairperson, OarTec