Ohio Internet2 Consortium
May 23, 2001

In attendance:

I2 Member Schools: Dell Klingensmith, Case Western Reserve University; Paul Hernandez, Wright State University; John Hirschbaum, University of Akron; Mike Donnelly, University of Akron; Patty Vendt, Wright State University; Mark Faulkner, University of Cincinnati; Joe Landwehr, University of Cincinnati, Chuck Morrow-Jones, Ohio State University.

OARnet Staff: Linda Roos, Doug Gale, Brenda Lesko, Pankaj Shah, Gene Wallis, Fred Crowner, Scott Weaver, Julie Wilson, Troy Dillon, Christopher Cook, Ruth Crites, Dan Downing.

Others: David Barber, Ohio Board of Regents; Peter Philips, Cleveland State University; Bill Baker, University of Findlay; Dorinda Giles, Xavier University; Bill Schmoekel, Owens Community College; Harold Weibe, Ohio Wesleyan University; Jane Evans, Ohio Domincan; Teresa Beamer, Denison University; Joe Fleming, Denison University; Scott Powell, Wittenberg University; Greg Flanik, Baldwin Wallace University; Dave Rotman, Cedarville University; Dave Pleva, NASA Glenn; Mary Ann Bents, NASA Glenn.

Internet2 Sub Committee Meeting:
The committee meeting was opened by Chairman Chuck Morrow-Jones

Approval of minutes from last meeting:

Paul Hernandez motioned to approve minutes second by Dell Klingensmith

Infrastructure Technical Issues:
Presented by Doug Gale

There was a technical problem this month. The University of Cincinnati was having an I2 day. The two strands of fiber that were being used were defective. The fiber had been working for a number of years under normal traffic. The increased utilization caused problems. There are four possible solutions:

1. Run I2 traffic through Dayton and Toledo. This is being done now as a temporary fix.
2. Reinstall a OSC-3 from Time Warner this will cost $50,000 and will be for only a year.

3. Purchase high gain fiber cards and just try to blast through the defective fiber. The cares are $1,500 each. These cards will include a 90 day trial period. They can be returned if they do not work or another option is found.
4. OSU is scheduled to replace the defective fiber this summer.

If "Purchase High Gain Cards" (#3) was used, the funds would come from the I2 budget.

Chuck Morrow-Jones recommended that we drop "High Gain Cards" (#3) from list and keep (#2) "Reinstall OC-3" on hold for now and count on Ohio State replacing the fiber this summer.

Doug recommended that they would like to test the cards for 90 days from Cisco. If they cards work, then the existing fiber can be used. If the cards do not work they will be returned. Testing the cards will also give OARnet some experience with the High-Gain lasers.

A question: What can be done with the single point of failure on OSU campus? The fiber replacement this summer will eliminate this problem.

SEGP Update:
Presented by: Linda Roos

The application for the SEGP has been submitted. Reports for admission must be submitted within the next year. Ohio is one of 9 states with SEGP's. Three other states are pending. A couple of institutions are very interested. Any schools that are interested in the SEGP can be approved as soon as they submit an application and their route is checked. This afternoon she will make a presentation about becoming a SEGP school and what is required. There is a series of reports that must be filed regarding activity.

K-12 Update:
Presented by Doug Gale

Some states have lumbped K-12 and Higher Ed. OARnet did not do this because there is a separate network for higher education and K-12. SEGP is available to K-12. The Dept. of Administrative Services is applying for their own address space. Currently they are using OARnet address space. There are 45,000 K-12 that computers would have to be readdressed. This is going to be a big job DAS are now trying dual homing. This is going to be a technical problem. One alternative is to continue to use OARnet's address space under a memo of understanding.

There was a question about if the separate address space is because of budget issues? No, its budget is not an issue. K-12 wants their own operation.

Sponsorship of not-for-profit Organizations:
Presented by Linda Roos

Linda distributed a handout with the cost of Internet2 connectivity for regular I2 membership, SEGP membership cost for K-12 membership and Not-for-profit costs.

The options for K12 are:
K12 (per year)
Option 1 (Each DA site treated individually)
      Cost per DA site, $15,000 per year per 6 Mbps bandwidth increment
Option 2 (Aggregation of DA sites)
      Cost (23 sites)-$185,000 per year for 42 Mbps
      Cost for each additional 6 Mbps bandwidth increment

The options for Not-For-Profit (per year):
Option 1 (Uniform membership fee)
      Membership fee of $5,000 + $15,000 per year per 6 Mbps bandwidth increment
Option 2 (Tiered membership fee based on entity income)
      Membership fee of [$5,000 of organization annual income<$100 million or
      $10,000 if >=$100 million]
      + $15,000 per year per 6 Mbps bandwidth increment

A couple of not for profits are interested in I2 access. Linda asked for comments OCLC and MIMES are the two groups also Chemical Abstracts and the Eisenhower Education Center. Most OCLC connections to campus are through I1. MiMES provides course content to K-12, Eisenhower Education Center distributes course content nationally.

A question was asked if there is any way to predict the traffic that these groups will put on the I2 network. Doug things the proposed fees will cover an increase in traffic.

Paul Hernandez thought Option 2 was best for the not-for-profits. Chuck Morrow-Jones motioned that Option 2 be adopted second by Paul Hernandez. Motion passed.

Organization of Consortium:
Presented by Chuck Morrow-Jones

Is an hour meeting before the OSTEER meeting adequate for the I2 meeting?
After some discussion it was agreed that the length of the meetings should be regulated by the agenda.

Bill Baker stated that at the OSTEER Executive Committee meeting it was recommended that I2 be a standing committee of OSTEER. If OSTEER makes I2 a standing committee, this will provide the ability to develop the committee as the group sees fit.

A question was asked. Should the I2 Consortium continue to focus on only I2 members or open up to other schools?

The 7 schools are the only voting members not OARnet or any SEGP schools. If OSTEER votes to make the I2 a standing committee, then it will be up to the 7 member schools to elect a chairperson and define the organization of the committee. They will most likely have to report back to OSTEER in the Fall.

Internet2 Initiatives:
Presented by Linda Roos

A handout of the Internet2 Working Groups was distributed.

Linda is interested in what involvement Ohio has in the I2 working groups. If the Ohio schools are not involved in these groups Linda would like to encourage involvement. If anyone knows people on their campuses that should be involved in these groups, Linda would like to help recruit their involvement.

The first set of groups on the handout are the engineering groups. This set of groups would be of interest to persons involved in networking.

Information on the different Working Groups is on the I2 web site.

Middleware is a very active group.

One of the new additions to the Applications Working Group is the Geo-Specula.

Peer to Peer is not an official Internet2 working group at this time but is very active. This group is trying to be proactive vs. reactive. Ana Preston and Linda have done several presentations at Internet2 meetings. One of the topics that the Peer to Peer group is working with are the problems that Naptser and other peer to peer sites present. There are also some initiatives in how peer to peer concepts can be used in instruction.

Linda would like to bring together persons at the different Internet2 campuses in Ohio to work together with the Internet2 Working Groups.

Question:
Would it be possible to bring some of these chairs to Ohio and bring people from with in the state to talk about these topics? This will generate a lot of interest for people interested in these topics. Pankaj Shah stated that ITEC has been discussing the same possibilities.

Doug Gale would like to bring Ken Klingenstein in to discuss Middleware. Possibly, he could address OSTEER.

Another initiative the End to End performance of the Internet. Researchers are finding that the regulating the performance level of the Internet2 is far more difficult than just putting the pieces together. It is important that the Internet2 Consortium has someone working with this initiative.

Linda Roos stated that there is a meeting in Atlanta on May 30 and 31. They are asking technical people to attend to discuss End to End issues. The Internet2 technical meetings are being increased to twice a year.

Cheryle Munn-Freeman has just been elected to head of the Internet2 performance initiative.

Chuck Morrow-Jones feels that OSTEER can be a clearinghouse for different research that is being done on I2. Bill Baker asked if thee could be a meeting to bring all the researchers together. Several schools are doing I2 days. This might prevent a lot of work. It was recommended that OARnet should set up this meeting.

New Business:

David Barber, Internet2 has asked for a tested for single sign-on. To participate, a campus must be using LDAP and edu-person running. David would like to propose that if there are any interested schools that OhioLink be included. Bill Baker suggested that David talk with the OARtech Chair and find out who is working on an LDAP database.

Chuck Morrow-Jones motion to adjourn at 9:57AM second by Dell Klingensmith.