

Connected Broadband Media Centers and Their New Services Panel

outline of prepared remarks - John Hauser, Manager, Special Projects, Access Humboldt

Access Humboldt's Broadband Situation

3Mbs/3Mbps symmetric connection via Suddenlink Communications - \$500/month

used for

- providing AH office internet access
- providing internet access for 4 public computers in CMC
- providing free public wifi at the Eureka branch of the Public Library for the past 3 years

Contribute to Community Media Archive

- automatic upload of every local show ok'd for web distribution to Community Media Archive

Reuse MPEG2 Video

- automatic download of new episodes of 8 series from pegmedia.org
- semi-automatic download of 3 series, 61 episodes, 37 hours of video from archive.org

traded tower rights to a local fixed wireless provider in exchange for a 4Mbs/4Mbps symmetric wireless connection to AH office

dropped 3Mbs Suddenlink connection – saved \$500/month

agreement with College of the Redwoods to use their CENIC bandwidth to upload video to the Internet Archive (also a CENIC member)

CENIC = Corporation for Education Network Initiatives in California

Community Media Archive on the Internet Archive

http://www.archive.org/details/community_media

History of the Community Media Archive

http://accesshumboldt.net/wiki/index.php/Community_media_archive

Community Media Archive and related collections on the Internet Archive – achieving “critical mass” after 3 years

- 8,200 items uploaded
- 7 TB of video uploaded
- 5,900 hours of video uploaded
- 335,000 downloads through Internet Archive

Barriers to contributing to the Community Media Archive

- knowledge
- absence of metadata for videos
- upload bandwidth

Importance of Upload Broadband Speed

How much broadband do you have?

How much do you need? - slide showing various upload speeds

What's your upload speed? - demo Speedtest (Jay's version?)

How much of it are you using? - demo MRTG Network Traffic Graph

What upload speed is needed to upload an hour of SD MPEG2 video in an hour?

About 5Mbps

Access Humboldt's alternative for your upload Broadband needs

Sneaker Net, "Snail Mail", "No Cat", "Physical Bicycle" with 16GB SDHC cards

low weight/low postage

- copy your locally produced MPEG2 format video to SD card
- create index of files with filename, title, description, categories/keywords/tags, runtime
- copy index file to the SD card
- mail SD card to a center with high bandwidth that already uploads to the Community Media Archive (Access Humboldt)
- we'll create identifier and duration fields for each file
- we'll upload your video files to your collection on the Internet Archive
- we need to know who it came from and what archive.org credentials should be used to upload

not timely, but it's an alternative for many centers without the IT resources or upload bandwidth to do it themselves

the process is useful for transferring a large video backlog as well as ongoing production

use a USB hard drive

the higher shipping costs (Fedex) acceptable given the volume of video and the infrequent nature of task

What's the bandwidth of a postage stamp?

16GB card = 8 hours of SD MPEG2 video

- for example: 10 half hour shows + 3 one hour long shows

projected annual costs

- \$340 media for 10-15 16GB cards + 2 USB-SD readers (if needed)
- \$160 postage for 3 times a week
- \$600 fees pilot rate

\$1,100 a year vs. \$6000+/ year for high upload broadband capability

we're looking for 3 – 5 partners during the pilot phase

contact john@accesshumboldt.net if interested

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