

EA Tech - November 3 -
1995 - Dec 30 1995



7530002866952

7530 - 00 - 286 - 6952
FEDERAL SUPPLY SERVICE
50% RECYCLED PAPER

Trust Fund Mtg 10-3-95

Threshold Question

What does it look like?
What does it cost?

Discretionary Budget

USG 6755
#3726

Summary

- If K-12 market becomes strong,
prices will $\downarrow$ rapidly. Also "dumb terminals"
and other cheaper technologies.

- Wiring to the internet - no Education \$

- NSF Trust Fund, private sector \$
- Snow - Rockefeller disavowed

- Computers

6 million
computers

grades 4-12
\$1600 - \$1500 range per machine
1 per 4 students

\$7.5 billion for machines $\approx$ over 5 yrs
\$1 billion " " printers

- Training

\$1000 per Teacher

\$400 of which comes from manufacturer ~~explan~~
sources

so \$600 per teacher

2.25 million teacher

\$1.5 billion over 5 yrs

~~Content~~ Content

\$500 million for new ideas, over 50%
challenge grants, star schools
(\$500 per machine - \$3 billion)

\$13.5 billion

Side-by-side of us, Rand, Milken, McKusick

Fed Rde already: NSF, already spending

Early Reconnect - NII Advisory Council

Thurs or Friday next week in NY

2. - 2.5 billion over 50%

Alicie - Differential Match per income of district

Connectivity Simon

no one way to do it

EC-EC -- in Jan, UP announce EC ~~announced~~
by ~~year 2000~~ beginning of next school yr

Questions

- How do we integrate existing school conditions with new models to hook up schools
- Must survey classrooms & schools

Teaching Technology

must successfully integrate into teaching

George Mason

Christopher Columbus
Middle School

- focus on universities who can deliver instruction & training
- Lynn Silber - Apple - classroom of the future

Teachers info network

Am on-line

Kick in
resources

1000 Teachers Trained 2 yr ago

- at first, lots of cynicism
- focused on curriculum integration
- 2nd year, attitudes ↑ on this
- Sun - with Gaze

Tech Corps offer
not challenge K-6
challenge every teacher to
submit lesson plan that
incorporates tech

- Award's best plans -- create
thousands of lesson plans that
can be used

Content

Silicon Graphics - NIT advisory Council - success stories
of using content

Sun - need to know what is getting
taught

Shaw - How technology is integrated into
curriculum

Need to publicize successful public-private projects that have worked

Computers

- Refurbish?
- What would help market evolve?
preparing consortia?

NCT - need to encourage teachers to have computers at home

- tax incentives for ^{teachers} purchasing for home

Cerrell

Thursday May

What's the College?
What's and talk the

WG Mtg 11-6-95

Ready in Early Dec

- Kick start report
- Technology Plan
- Fed Actions
- Corporate outreach (?)

Saleet Proposal

↳ Mid Dec Roll out of

- Kick Start
- Technology Plan
- Fed Actions
- any Corporate Actions

Outreach

ASK FOR

- ① endorsement of Principles by CEOs
- ② Corp efforts

Exhibit 3

↳ Designate a national Day that this is going on

- Kids do demos - Student groups
- Teachers
- Corporations making efforts

Trust Fund

- Connections - not an obligation - US State by
- Computers - 1-4 kids 12.5 billion
- Software
- Teacher Training - \$600 per \$1.5 billion

\$12.5 - \$15 billion over 5 yrs

\$500 million of fed \$ - 5-1 match

options for EdLNT

- ① Rec 10 everything but Trust Fund
- ② Rec Low Key - Kick-start Jan - go big w fed & private

options Paper

All Day Things & to day Friday - Have w/ ~~Truman~~ ^{center}

Planning doc for overall ^{at tech} Campaign
↓ what do we have & need

Friday ~ outside Mtg
State -

- ↓ Chief State School officers
- NGA

Educators

Tasks

→ SOA Sta/85

Parents

Pump to me for
spread sheet

- ① Follow up casalt
- ② Pack round info
- ③ Camping info
- ④ Tech Corps update (Julie)
- ⑤ Net-day update

Midway
Delaware
Utah
Texas

Tasks Sallet Follow-up 11-7-95

- Jonathan - Decision Memo on Event
- Jonathan - TY to people on CEO phone calls to Division

- What are we going to give CEOs on 16th - ~~Book~~

- Tech Corps, Honor society, Net-day

- Mike & Julie put together

- slides
~~State~~

- Mike - Kate car Grid

- Kate - Informal Mtg on Friday

- Kate - agenda for 16-17 mtg

- Mike - state's piece

- Kate invites 16th & 17th

- Jonathan - Thank-you Tyson

- Julie - Messages

- Ed - Linda, Paul, Stevenson

- Sallet wing

- what are we going to ~~work on~~ ^{change} ask from private sect

- next wed - no call - talk thru

Actions only

- Every principle has its context by family

	1	2	3	4	5
AT	250				

Bd Outreach Mtg 11-2-95

Presidents vision overview
Birman

What are you doing

Jim Kelly - Nat Board

↳ standards for Advanced Teaching Certification

↳ Technology woven through

↳ Assessments → Integrate technology
→ working with HighTech companies to develop / simulate and other interactive assessment software

↳ can be developed into self-paced learning

Shanken

↳ program to allow members to buy computers

↳ chat lines & exchanges on AOL

↳ AFL - First Technology Conference

↳ wants to develop tool to allow teachers to certify their basic level of mastery of using tech

↳ work with NEA, other orgs

→ need to simultaneously develop standards
if not, will be a danger of turning technology

into electronic babysitter.

→ How many teachers have computers at home
AET survey to find out

NSBA - Sharp Williams

Transfer of Tech to Ed

- 360 school districts in 46 states
- pay NSBA to produce tech-related information

- originally aimed at SB, but most of audience is local administrators & technology coordinators

- Do annual Technology Learning Conference with AET & NEA

- Hard time getting through to primary audience - sched hard members

 - ↳ Tech Team packages

 - ↳ They demand data before spending \$ on tech -- benchmarks, standards of success

NCATE - line

27 member groups (NEA - AET)

Accrediting Agency - set accrediting standards for teacher prep

- recently revised standards - Oct 1 in effect, have raised up technology expectation
 - pulled ~~colleges~~ ^{schools} of Ed on use of tech in use of tech
- all over the map

- At least now we have expectation

perhaps working groups can be set up on state level to do what he did in CA

↳ NCATE setting up state groups can mirror this group at state level to reach diff to corporations

↳ link ideas of Ed with local K-12 schools to make sure tech is used

int society of Tech in Ed would love to participate

State personnel should be engaged to help in this effort

^{Tam} ~~for~~ ^{for States} notion of creating licensure standards is good one

- using distance learning to build on standards - setting process - also to engage school of Ed faculty

NEA Geyer

- 2 mt conf on tech over last 2 yrs - good but expensive
- working with school boards
 - lessons learned

① Best learning takes place for teachers when teachers give presentations on using tech - not by techies

② Will send teachers & Admin ^{& mod member} to conf in teams

- center for ed tech

- Demand - Tech Corps

→ Hook NEA, AFT others into tech corps - make sure tech corps volunteers "buddy" up with teachers who are technology

schd boards also
Make sure we link up

NEA & US West - 4000 teachers - will train 4 others

③ Henry - as tech surges ahead, how do teachers keep up?

- once teachers get comfortable, they will share & learn - need to plan

Legislation

- Save TIAA & Challenge Grants
- Sighe Rockefeller
- Moseley Braun provision to build infrastructure

Frank Wilhoop — Chief State School Officers

- 1981 - Technology Policy
- Same report that says we have to think about not just computers but whole wide world of digital communications
- Fighting for equity

that California initiative - complaints that teachers & principals not in planning loop

Tech Camps is great idea, but must make sure that volunteers are teaching, not preaching & criticizing

Make Sure March 9 is not just show, but true partnership

Paul Houston School Administrators

- members are behind the curve, but catching up fast
- Engage members to become more involved
- Guide to buying technology for SA

No one is looking at technology planning
- ASA will take this up
too much is vendor-driven

- also gap between admin & teachers in
buying tech

not enough emphasis on tech as tool

^{2 issues}
① lots of talk about comp per student
any stats on age of computers
- many old

② Infrastructure is problem - - schools
falling apart

John Hamilton - state and Grant colleges

→ Presidents from 180 Land Grant colleges

→ Many Land Grant colleges are doing
out reach to K-12 schools

→ American Library Assn should be
at table

→ School Boards (again)

- Snow Rockefeller is in CMC
hope that this is bottom line issue
for Patas

→ Mosley Braun sets up Tech Funding Piece
like Fanny Mae

College Board

IBM Partner

Working on Digital Portfolio Project - student puts assessments & projects on WEB - evaluation by expert teachers

"what students should know & be able to do" standards being developed in tech area

Admin role - how can Admin help funding to get technology to schools

Am Assoc Com colleges

- ↳ try and make sure colleges can talk to each other about technology
- ↳ occupational programs are fully high-tech - high degree of tech transfer
- adult Americans can cd to stay current

→ because of Tech-Prep program in SC - Partnership bet com college & K-12 teacher training

↳ Com colleges can be great resource to K-12 teachers

set-up
Buddy networks between com colleges
and NEA

Strategies?

- Need strong public education campaign to garner public support
 - media specials, news specials, etc
 - won't happen without \$

K Nelson | @HR.house.gov

Sallet Daily 11-895

- SMF Call 9:45 CED

- outline of Book

↳ ~~Prof~~ Prof

↳ concern about mty

↳ who can do analysis of ~~Flame~~ ~~Jonas~~

↳

Job Training 11-8-85

→ Make sure that women's programs

Displaced Homemakers
Single mothers

→ welfare reform



House Act is better Bill in terms
of women's issues

- Civil Rights Protections not included
in either version

Does Title 7 apply?

Something in report language ensuring
existing civil rights protections under these new
activities

Kennedy, Simon, Kleen,
Wellstone

Gooding, Williams, Fiske
Mink, Wadsworth

Reframing is good way to get at this

Liberal Senate Republicans

→ Kasselbaum
signature

Funding, Account, Gov

Some where in letter, words supporting
Programs for women in Voc Ed &
Training is very important

Jetsy Meyers

~~ed tech of~~
~~Conf Call - 11-8-75~~

~~Rate Case - links out~~

~~Informal Mtg - set up~~

~~Meeting Reminder~~

~~A~~

Geiger
Shankler?

↳ Tech Caps → Julie
~~Kate~~



1 LTD

surf

{
- Geiger
- Shanker
- Kelly
- Shannon
- Stewart

Camp connect Train Content

112232

Julie follow-up 11-9.

- NCC T&T - call with context again,

Back

- Tech caps
- Honor Society
- NCT - Day

SPA

Conference Call 11-10-95

~~CA County~~ diverting \$10 million in Ed Funds
to upgrade computers in prison system

Davidson
Behman
Lichtspan

McDaniels - Skills
Ayer
Melinda Griffith

- How to measure success in content pillar

CCC

- Simon & Shuster

↳

industry
Eager to step up investment but
fear is lack of infrastructure
& lack of computers to run software they are producing

→ Ed cuts (Title I specifically)
worry industry -- under threat

→ Can start with 386 as standard ^{minimum}

~~Behman~~ only 1 million in schools also need CD drive -

↳ industry considers CD as the
platform

Rosenthal

Lichtspan builds to full motion video
standard (MPEG)

- obsolescence of computers is big
issue

Davidson

→ Plenty of Private industry capital for development -- if market is there, it will be produced

→ if Demand is there, R & D will flow

→ Demand Elements

- adequate hardware
- Trained Teachers
- adequate local Resources

Traditional Text book Publishers will also jump in market if demand is there.

→ So much of limited Technology goes into hardware

How can these markets be?

→ See federal Programs in this area not cut

→ encourage schools to review budgets for Management & Admin - - way too much \$

→ only 1% of limited funds in this area go to ~~the~~ software

Possible Metric : ^{Success} % of Schals' instructional Budget that goes to software purchase

now
1-1

2000
5-1

Need to figure out what this # is so we can all agree.

- Need to ↑ efficiency of Educational System, like Rebo, to ~~free~~ free up new \$

This is in Management & Admin -- currently, Public Schools spend way more than private schools on Man & Admin.

(5) ~~schools~~ Teachers agree

-
- No structural market problem perceived.
 - Fragmentation problem is in platform, not in structure of market

Skills Bank

need consensus & clarity of what schools want. Schools must make clear what they want to teach.

Goals & Standards must be clear for Education

Title I

any way to make it more effective in this area?
- '94 changes were ^{very} helpful.

→ Title I is major source for ed tech funding
Admin must make the case that these dollars
are & can be used to implement new ways of
learning for kids. It is the backbone of
giving schools ability to obtain tools to reach
acceptable levels of achievement.

→ Equity piece also is here

→ what Can chapter I schools do to ↑ their buying power?

Some states are requiring technology plans
from school districts -- this helps

→ UGA, Chief State Schools, etc, should be
working to educate states on this

→ Feds should be ~~encouraging~~ publicizing success
stories

→ State Technology Coordinators Mtg in Atlanta
(Chief State School officers)

Home vs School Market

many companies developing software for
both markets -- overlap in some cases.

but also expanding core curriculum software
specifically for the classroom

What about increased conversation between teachers
org and content providers?

↳ Would welcome more communication like this,
would support President encouraging this communication

⊗ R&D

↳ difficulty to estimate amount of R&D in
educational market - - hard to separate
school R&D to home R&D

School-based curriculum R&D → \$150-200 million estimate
Home piece - 5-6 times school piece

Estimate that \$450-500 million in sales to schools
(maybe more) for instructional software

~~\$1.5 billion in R&D~~

Year 2000

What level of software expenditures needed in
year 2000 if every 4 kids had access to computer?

↳ If 5 computers per classroom, could be \$1200 per
machine (includes training #) if you get truly
comprehensive package

FLA TX, North Carolina all demanding
Tech Plans

Gallet 11-13-85

Tuesday Nov 28 - rescheduled

Galil

6-6223

→ Biggest Industry event
complex

- comp

Penneb Robotics

EdTech W6 11-13-15

- Will have to Cancel & reschedule

✓ Tuesday 28 - 28th or 30

out reach - UP video

✓ Pres Message →

Ed
Tech added?

Schools @ DOE.GOV

check

Jody

UP's Home page
has Ed Tech page

→ Middle Ring - - Draft letter
to send to Ed Addresses
✓ E-mail address

Tech Plan

DAVID-STEVENSON@ED.GOV

Letter - - Set Common Mtg
+ me

inventory of
what's going on

- set wed Mtg

Carfaxendine? ELGD

Ed Tech weekly 10-20-85

- Reset Trust Fund Mtg

- set 10:00 Ed Tech Mtg
Ed Plan

- TCC II issue - Diamond
talk to April

- Finch invite to next outreach mtg

- Diamond - AIDS schools Talking Points - keybds
- Kelly insight

- Riley asked Rubin for \$100 million for TCC
for 86.

✓ Smith senior at outreach

- email on status of follow-up
calls

- state conf next wk

- Western Gov Assn Mtg - Gov. Utah

← conf call w Governor's folks

- Gov contact list

Tuesday

1. who is
2. fax list

A-2

Diamond Brief 11-20-85

Missing 21st Century Schools - SK. 11c

↓ Part I - letter from POTAS
- 5 page

Part II - Tech Appendix

- DODS Schools call to Tyson

↳ Skills Standards Board → standards for employers to use

↳ Jamie Houghton → article

Student Standards - Mike Cohen

Bob Schwartz - PEW chart like this?

ACT - Iowa (also ~~do~~ do GED)

(215) 575 4840

NAS - ?

Bob Jones - NAB

Port Bilio

→ Champions 1st day ? even

→ Brander 2nd day

Rel 66

Lawrence Peters & Freeman

10-30

Math & Science Software

~~HND~~

Houlihan
HND 7/5 3535

Call w/ Hart, Caperton on
gov approach

B Mail - Champions

↳ Kalil, Simon, Fell, Carr
Sally

Roman Annual 2 - changed
tasks - what's outstanding

- wed
- Mon - 3-5
- Tues

Ed tech w/ 11-21-95

Jeth Arel

- 366-6524

6th & 7th - Melton Auditorium

complete overview

200-300 total
100 at mtg

How do we organize this

Outline

① Starts ~~12/6~~ 16 (Breakfast or Dinner)

② Overview 1 hr - 1-2 pm
w/ graphics

③

~~12-6~~ starts - 16 - Dinner night before

12-7 8:00 - 9:30 overview

9:45 - 11:15 Content

11:30 - 1:00 Training

1 - 2 Lunch

2 - 3:30 Computers & Connect

4-5 Wrap-up - Summarize

- How do we make
this a national
priority - How do
we organize

5-6 Big Meeting w/ Presentation From Each

Groups

- A Sallet / Schmidt E
- B Dimand / Kohlenberger E
- C Roberts / Kilil E
- D Kelly / Simon E

- ~~Chambers~~
- (?) (X) ~~ATT~~
- (?) (X) ~~IBM~~
- (?) (X) Silicon Graphics
- (?) (X) Disney
- (?) (X) ~~Bell Atlantic~~
- (?) (X) ~~Am on Line~~
- (?) (X) ~~MCI~~
- (?) (X) ~~Time Warner~~
- (?) (X) ~~Apple~~
- (?) (X) ~~SPH~~ (Paul Beyer)
- (?) (X) ~~Shannon~~
- (?) (X) ~~Geiger~~
- (?) (X) ~~Ambych~~
- (?) (X) ~~Williams S~~
- (?) (X) ~~Lucas~~
- (?) (X) ~~Microsoft~~
- (?) (X) ~~Davidson~~
- (?) (X) ~~Shaw~~
- (?) (X) ~~Reich~~
- (?) (X) ~~Turner~~

UEA
HFT
Kimbach
School Band

~~Hot~~ Names needed
Bill Kamela

Net Ed Plan

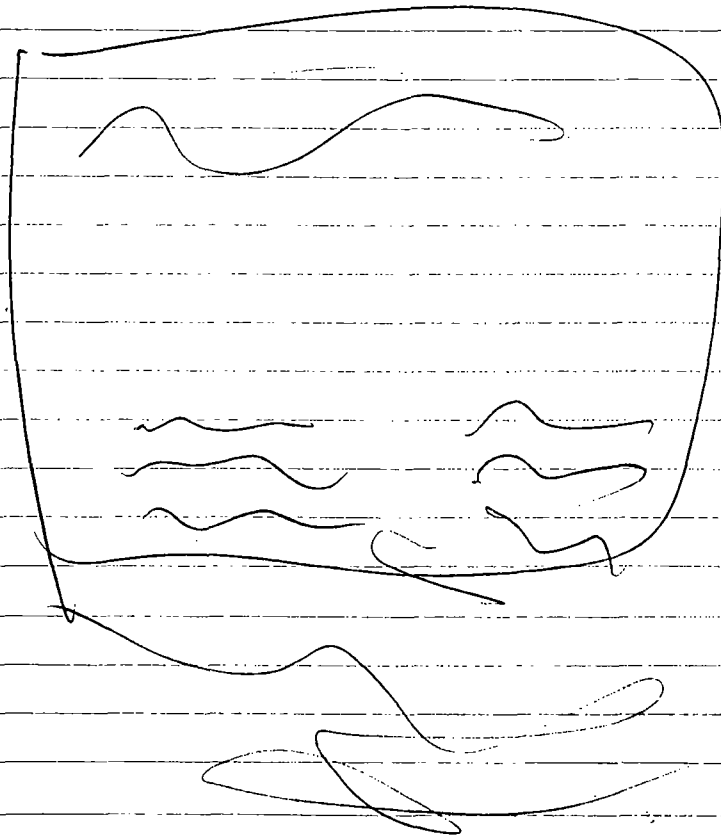
Re parts

- ① spare glassy - call to action
- ② longer doc

Capstone

6.78.71

- ① Do we have a capstone measure?
- ② Do we tie to Goals?
- ③ Do we tie Trust Fund to
climate, standards



Tasking Memo

- Moby Monday
- TASKS

Cap	- Conn	- Sal	Dim
T+		Pi	Kob
Ent		Kell	Me
Connott		Simon	(Kohl)
Comp		Kali	
Wt Pay			

~> patent / private act - operator
breakout

SWISS @ GStp. eap. gov

Split - Smith
April or Perry
-11-2
Litan

Kohlenberg
Carroll
2211

S-3120

y

11:30



after y

4-16

39

Litan

Diane

5:00



6:30



White

April

S-11844

5-6150

5:45



Tuesday or wed
same time

Smith - Vicki

5:00 - 6:30

Tuesday

Gordon

Teach Litan
Standard Report

Ed Tech WG Mtg 11-27-95

Jim K -- ILTO
-- CTHS

Outreach

① Communications

- EL-EC Feb 17

- need Materials for Briefing Book for Participants & for WH Staff

- when will OOC Ed Tech Homepage be up?

- Blank comment sheets for folders

- concern over WH talking to private industry ~~under~~ about price discounts

- highlight ^{existing} Private Sector Actions

→ distribute electronically?

- after y ^{prof} wed

→ Have Table of Contents
trt books

→ Kate take as thru logistic

Content

→ Primary to-do
→ Secondary to-do

What can I do?

→ TLC
→ PBS
→ Smithsonian

- ① if i'm a content producer, what do i do
- ② if i'm a non-content, what do i do
- ③ no demand -- how do i do

- we do have widespread agreement on Knowledge & Skills among states -- consensus is developing
need to take credit for books 2000 success

This is a richer market than textbook markets
ever dreamed of

- we've created demand

→ background on Home Market

Why don't we have software prism in each
session lead off discussion

Linda Mc

NE

John
Kate
Smith
Diamond
Lil

CA
State

Sup

~~Hand~~
Carpenter
Doug
Amrich

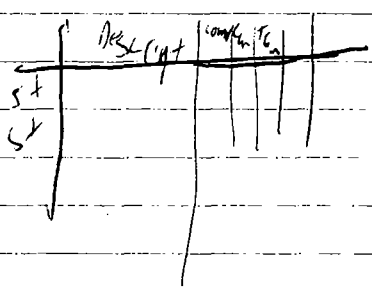
Kanlan 3

Delaware Sch of Study

VT
KY

Conf call

Before 7th



TX
Bipartisan Blon Dev
stout

~~Kelly~~

invitees

Scott
Steve Hump
Bill Nye

out reach

- 1 Commit to vision
- 2 Here's what we're going to do
- 3 Who is interested in forming consensus

~~Tasker~~

- Follow up
- Speakers
- Mr. Brooks
- who's paying for dinner

Trust Fund Mtg 11-28-95

Kick Start^{mtg} Dec 12-13

\$ 1000 Teacher Training # is just for getting teachers comfortable with technology. Vast majority of \$ for training will come from ongoing professional development

"Fun Computer Run" 1168

✓ we will make judgements about leverage points where federal \$ makes the most difference in speeding up

- Federal Govt acts as a catalyst

connections

✓ we ought to take position that this should be done thru regulatory change.

Trust Fund

match - 4 or 5 to 1
or variable match

- no "have not" thing

Ed Tech Plan 11-29-95

Content

- = What is Baseline?
- any incremental ↑ asked for
- are they gonna do it (invest) to education, or with education?

→ What are you going to do to support the President's vision

- What's the measurement -
Kids - raising kids skills

↓ What are the obstacles to providing high quality content to schools?

Shaping?

needs assessment ~~the~~ approach

- Access to Content a problem for teacher
- Certain Subjects difficult to teach -- if only tools available to help students learn difficult subjects

Teacher Training

What are you doing
what planning on doing

Needs analysis

- willing to create Teacher Tech Corps
- Regional Technology Consortium
- Summit on Teachers & Technology - next yr

⇒ Explicit outcome: Teacher Corps

⇒ Plugged in

⇒ talk to Beech -- outreach ready, proposal ready

Connections

let day models

E2-EC

Plants

- TIAAP Program identified

Friday AFTERNOON

① one-pager

② What else in briefing packet?

③ who are champions

Message Support

3:30

work plan

→ E mail address.

① who answers this

② who maintains?

COT?

EA Tech WB Outreach 12-1

Questions

- when is announcement?
- what is it called?
- how will this be used

Communications

- ask each to bring in 3 more people
- going out over the net

Home page

- on-track
- put up questions we want answers
- get kids involved

Content

Think Quest being Announced by Al Weiss
\$1 million for kids to do content

→ Partnerships between the ^{subject} Teachers Assns & content providers

- get 'Baseline Data' on content investments
- "How can we foster 3d Party Evaluation of software

Add Federal Actions to Each
one paper

"content & applications"

- not just Software & CD Rom's
- Distance Learning
- authoring tools

In Briefing Book

- E2 EC Piece
out

one of our reports should be highlighting
corporate contributions to EFT-2011

Jonathan Mann May 12-4

welcom let
list participant
with note and
copy of Days Agenda

Y Commit sheet by
mailing address

CDH

Ed Tech WG Mtg 12-9-85

- Wednesday Dinner

- Occidental or N Press Club

- BYO check

20-24 There

Probably around 80 at mtg

Recorders
needed

- Thanks for coming

- Here's how day unfolds

14th st - PoC
photo ID

- Agenda

- Wrap-up

- Dialogue --

Cast.
- contact
TI
Couch
Couch
Couch
Couch

- Come prepared to discuss what you're doing
on pillars or what you want to do

Trade takers

Salie

Toby

GWM

Unxman

Sent out

Workplan

Set mtg wed

with

research

WB Mtg 12-6-95
- Occidental / - willad the \$55
3.00

Koh (Anderson) 8.6 epts
Karl - Rimond
Kelly - Simon
Schmidt - Sallet

see on 8.45

- on-line summary

Outreach Mtg Follow-up 12-12-45
(Missed 1st Hbn)

Kaili (orb Tarrack)

Mtg Thrus set Morning

Champions (at call)

Linda e-mail stak

Cutman - lists
Private security
Salva
Bullard

Nadja

Disturbed
e-mail addresses for
participants

10:00

Agenda

I - Communications wrap-up review

II - ID Champions

- Assignment of Tasks

- Outreach

III - What Next?

- event planning

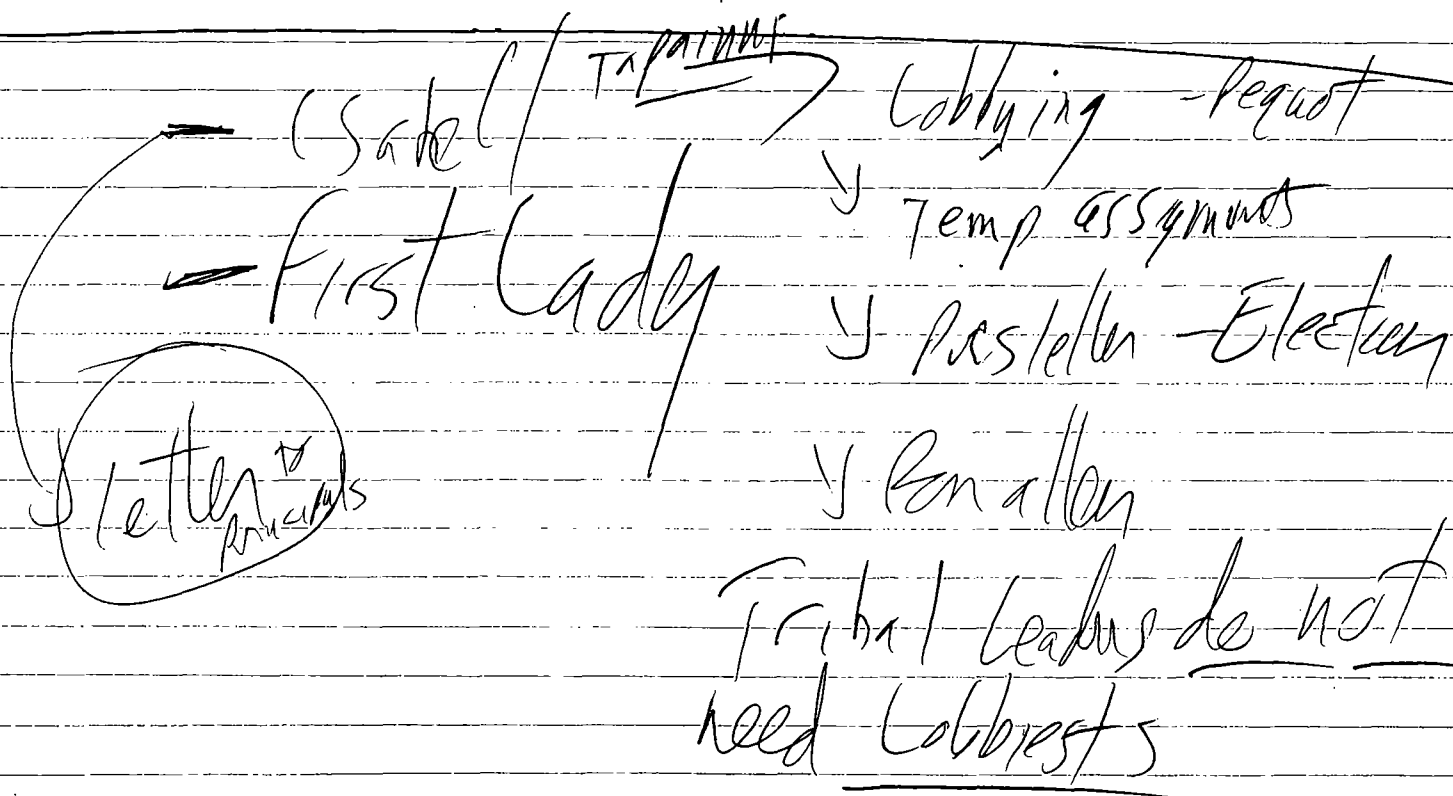
- Jan 30 event

- scheduling request
SOTU.

- what else to seek?

- ~~letter~~ statement of Principles

IV - Review of Work plan



ed Tech WB 12-19-93

Communications

- Make Tech Literacy a real concept
- vision statement - Define Tech Lit
- Jan 11 - ^{Extraneous} ~~Challenge~~ of WP's

Champions List & Assignments

- ^{also} - vision statement
 - write
 - distribute
- Nat plan -
 - copy sent
 - distribute

Aq - closing chao district ~~office~~
+ equipment
to schools

- 241-3093

Prashw-Conference 2-15

~~Herz~~ ~~Prashw~~ ~~sent out today~~

CMB

DVR

Pol

→ Labor
Jack Giddens
Capra
VP
Hr
rel about Anna

UFC
Ed Tech Trust Fund 12-20-95

→ Must emphasize end result → Kids
Achievement

→ Right now, Full use CBS estimates of
Spectrum ~~reduction~~ all of it will go to
Broadcast & Analog

USF — — — CBS scores incorporated /
under Telecomm Bill as
\$7.4 billion
we could use some
of this for
Ed Tech

Early Feb - NCA Science & Tech Policy Mtg

Smithsonian 150th

- Jan. 6th -
intel

PBS ready to announce by Jan 30

