

T.P. for The Info Age
Book 1994
manipoly to competition.

AT&T → decentralized regulatory body
credits this with innovation
(compared to best used systems)

18th century Blackstone v. Bentham - philosophy of 20th century
↓
slow distribution of power } concentration of power
↓
allocative efficiency.

1930's Cardozo vs 1970's Stigler

Speaker
expansion of Fed regulation.
Securities Act, Securities Exchange Act, ~~PSA~~
Public Utilities Holding Act 1935
administrative agencies → industry students
public interest theory

anti-regulatory bodies...

"capture theory"

Information Economics...

Complexities of optimal structure of regulatory policies and institutions under conditions of incomplete information and opportunism.

Complex contracts →

Preferences and Principles

Conclusions

optimal policy process

vs.

~~creation~~

collective evolution
policy

vs.

replacing old with
new through
explicit reasoning

Position of the book →
rather assumes observed institutions or ignorance
then all together —

o AB

Separation of powers ..

decentralization is centralized control of policy

Philosophies
of Dworkin,

Diffusion of power,
Agents, Agencies --
Contracts, Rules, data,
markets

as they was the
"state of the world"

* Models of decision making
"limited information and bounded rationality"

Chapter 4

34 ACT - quasi programs

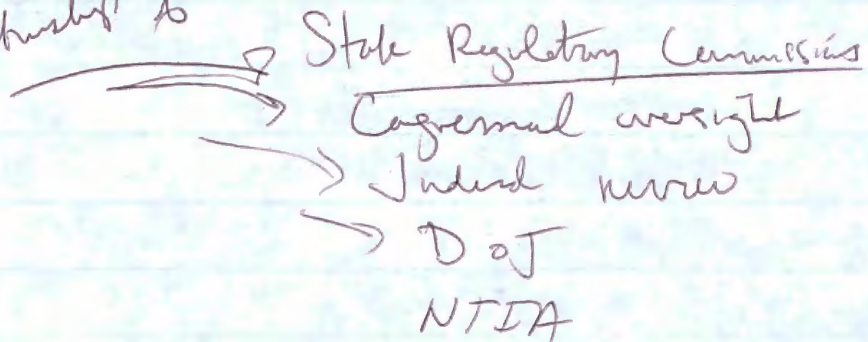
(APA) Administrative Procedures Act
1946

FCC structure

Communications Bureau (1949)

Office of Plans and Policy (1973)

Power 2
Relationship to



Chapter 5

historical economics of telephone
management
policy
technology

- ① network extensibility → value of interaction.
- ② revenue sharing key in rate structures
availability
- ③ vertical integration

~~SID Morgan~~

Cites Vail Morgan connection with no footnotes?
The Vail Morgan efforts to restore monopoly
caused the independents to seek antitrust relief
from DOT. — leading to Kingsbury.

James Sichter, "Profit, Politics and Capital Formation,
The Economics of the Traditional Telephone
Howard Company,"
1987 part 8

economics of Regulation / Toll sharing. —

Smith vs. Illinois Bell 1930

set precedent for
separations —
(local shares cost burden)

Ch 5 continued

Safford
Pomeroy

1957 Carter plan - shifted burden
ORACLE

key in setting rate structure

Polyzos

key moment cancel decrease of 1976

network externality, historical pricing patterns,
unified managed central → (costed components)
as competition was
introduced

PCA Prochiro Connery Arrangement

Under Romney - center, PCA

Debutts → (NARMC) push change

Computer II was the first explicit deregulation in
telecommunications.

CT 7

George Washington
Gelman
2029946558

links longlines monopoly of Vail to
establishment of world monopoly
generous was the union...

Communications
Business Award

198 - present
3rd floor.

4 The evolution of open to long guided
by

- ① no discrimination between person or company
- ② ind or companies should have right to meet special needs
- ③ interconnection is desirable
- ④ local costs should be subsidized by long d

Above 840 - reasoning behind

CH8

Interconnections

private line
foreign exchange

in relation to rates/cost
allocation

net.

ENTIA - Exchanges Network Facility Interstate Access

technicalities of MCT, lower
cost vs PCC

The change from monopoly to competition
was not the result of a partial personal
change in the network - nor can they be
explained

Strasbourg - allow comp or 2 operators?

All needed entry of new comp by
prev changes and interconnect bundles

Ch 9

examine the efforts to
craft global telecom
policy - congress
ambitions

Telecom → 1974 upheld
federal preemption
of state terminal equipment
policies

Re Bell Bill →

Consumer Communications Reform Act of 1974
competition, duplication contrary to public interest

(Van Dine Bill) → supra competition

Anti-trust → result of Naras

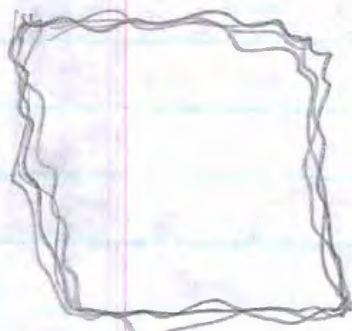
Telecom Industry
Dynamics A model structure

Book 1981

Resolution No 8 74th Congress

Docket m1

staff reports.



Proposed report, Telephone Investigation
FCC Commissioner → Paul A. Walker

Media - low
(202) 418 0500

2096 A-E

Press 0

FCC ;

(800) 225 5322

I spoke with

Pam

References ;

→ (202) 418 0270

→ David Ward 202 418 2336

referred
to

engineer in Helena, Mont
to go

(202) 418-0450

Reference information
center ;

Frank Hersch ; library director

Glen Thomas

senior

(202) 418 0541

Susan McMaster

page 57

review
Winter
CBA 2003

The Telecommunications industry.

Review of Brodick

CBA - Fall 2003

on book "Second Information
Revolution?"

page 289

Radio Reader: Essay on the cultural history of Media
Michele Hilmer and Jason Loviglio.

A Social history of the media

From Gutenberg to the Internet

by Lisa Briggs & Peter Burke

OTP.ORG

Mission/summary

Products

CTW
Gabel
Pool
Goldberg

Prefire



Captions

Interactive

CHAT - To add your materials


On Display

Television
Telephone
Spectrum
FCC
reruns
Interacted
DATA bases

CONTACT INFO

OTP. ORG

Mission/Summary

(Picture) 



Search

OTP
PROPOS
ECC

Links

FCC.GOV

OTP. 019			
Mission/Summary			
People		Contributors	Entity/Unit
CTW		- Comments	Archives
GOATING		- to add your materials	FCC
Sedina		- ask a question	OTM
Wash		- suggested reading	CTPA
Global			NETC
Pool	scan 		NARA
	OTP Papers		APNA
	Sub Sub Sub		
	Sub Sub Sub		
	Sub Sub Sub		2
	Center	on PO	

7

14

49

50

00

95

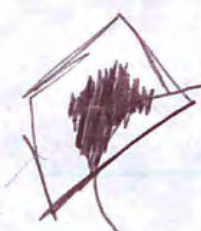
9500

1754

7746

-1975

5771



Bone staff on McGardle H.S.

Patrick Colvin
Senior, school board
member

73
~~41~~

41

5

8

³¹
~~17~~

8

23

16
~~13~~
-14
57

33

57
~~32~~
25

-73
8

65
-32

33

678 expenses at the school
Senior class president
Patrick Colvin

Suprya

- Open slides -
- InfelSAT -

Suprya

[SSornika@earthlink.net.]

571-213-2280

- Jody - done August!

Aug 22nd - 24th

- Anthony

① [tie ring to Jody -]
June

- Orange - get drawer, set up rudimentary -
- open web pages -
- links -
- password -

- ② charges, uploads -
- ③ Jody - payments - teleconferences

④ recognized in google

- DANIE

- Jody and Jody -
make sure of working schedule

- metadata -

- Finish Boxes -

- put ends -

⑤ - Book drafts - ⑥

1. Telephone
2. Satellite
3. Cable
4. Television
5. Radio
6. Cellular
7. Land Line
8. Internet
9. Infrastructure
10. Mass Media / Pop culture
11. Content Regulation
12. Spectrum
13. Intellectual Property
14. Patent Media
15. New Media
16. ~~Telegraph~~
17. Equipment / Technology
18. Regulation
19. Economics
20. Intellectual

21. Legislation
22. Courts
23. History
24. Current Research
25. Social and political context
26. Politics
27. Interest Groups
28. Computer issues
29. Consumer Electronics
30. University Programs
31. Public Broadcasting

(AKIMBO)@

Telecom
Technology

Radio

Satellite

Telephone

Television

↳ birth

- birth/invention
- rise to prominence
-

04/07/05

Marty w/ Tom
Box #5

CTW speeches

Sword of Damocles (A)

speech
inviting

→ * - National Convention of State Legis. 6/2/74.

invitation

→ * - Felice Commencement Br 5/14/74

invitation

→ * - Cogswell Union speech sept 17/73

invitation

USF
Union

Telecom Policy Research Conference (Archie House)

- includes list of speakers.

- own invitation

UMD speech (good adA)
- speech -

Today Show
invitation.

01/16/74

Press Club 2/7/74

YALE 3/26/74

NY Society of Security Analysts

Speech - Seminar at MIT 1/8/74

CTW to Pool correspondents
NSF

Speech - Columbia school of Journalism/Law
NY & DC

Stanford - NAB
Media, continuity fee

Radio Now Symposium
Speech on technology, regulation, radio, TV,
spectrum

NATAS SF

Media
Twitter
Ethel Booth

Washington Journalism Center
talking points → on
government - media relationship

Katlin / Nixon correspondence

CPB

PBS

Whettn, MIT trip.

Lodish on AT&T seminar

Katlin, PA. New Orleans, LA.

↓

cable TV

Publi-cable confer

media - picture w/lands

↓
media

AP. Broadcasters Association.

Taped
A speech

May 31st, 1973
Publi-cable
PA.

NCTA Cole. 6/20/73

all A's

CATV
NCTA
Privacy
rights, closed circuit TV, FCC, ISP Amendment

Natural Broadcasters Editorial Association
Byron North

Indianapolis speeches
12/18/72 6/8/73

PBS: Special of No week - The Advocate June 11th,
all records 1973

- Natural Learn Assembly/Kelly 5/14/73
- copyright

Box #8

- Memorandum for the president
- Meetings - transition papers -

- letters to Nixon ↵
- separate folder ↵

Ⓐ encl.

Nixon Memos

- ABC meeting of Nixon
- CW to Hodeman/Fleming on networks
- CW to Fleming/Nixon on ~~competition~~
high level business relationships
- CW - outline of issues discussed in
meeting of Broadcasters
 - CAN - license renewal
 - Fairness / - Public Access
- Fleming explaining OTB's role to Nixon
April 9, 1971
- OTB initiatives
- FCC Prime time rule
- OTB language for Nixon re: SOTM (cable
committee
report)

- ~~OTB History folder.~~
~~OTB projects~~ (A)

- OTB History Folder (A)

- Timeline of activities - w/ data of all
meetings, calls, etc.
Reston, CensAT,

OTB
Chronology (blue notes of everything
done during OTB...
by subject.)

1964 Transition Material - for book.
brought to another Boyo.

(+)

- MSU. materials -

Box # 9

05/11/05

OTR & FCC
1969-74

Folder (Cases) - disputes over ~~Station~~ station charges
format

Folder - Court cases

CBS v. DNC

fairness doc - Pensions decision - NBC v. FCC

Red Lion

Teleprompter Corp vs CBS (CAN)

Book

Wt perspective on Budget Expenditures - Book

Television and young up -

The impact of TV violence - report to the
Surgeon general - Book (I. Paul contributes)
Jan 1972

Projecting the growth of TV Broadcasting
Implications for spectrum use

(Ward) (Feb 76)

Rolla Park, Leland Johnson, Barry Fishman

Paper - James B. Lemert

"Content Duplication by the Networks
in Competing newscasts" (Summer 1974)

Bulletin - A Proposal to Deregulate Broadcast Programming
Goldberg - Nov '73

Bulletin Judicial Restraints on The Press
by Donald Gilman
March '74

Bulletin
Case Information Technologies and Control
Over Learning
Paul D. Maggino
Killer Zupke

Speakers

NATA - SF. 9/72

02/13/71 Workshop on Cable for Minority Municipal Officials
(May '71) 05/31/72 Montana (May '71) - (bill introduced when)
in future of comm - 1990 CSM/Farmers

July '71 NATA - convention

Sept 13, 71 national council of deviders

Sept 29 '71 Ohio Assn of Broadcasters

Oct 20 '71 Miami - Natn Assn of Educational Broadcasters

Nov 18, '71 U of Texas non comm class

12/3/71 Arizona Broadcasters Ass.

Dec 6, 71	Hollywood Radio and TV Society
01/20/72	Georgia Radio and TV
02/15/72	"The Conference Board"
02/17/72	Colorado Broadcasters Ass.
04/10/72	Nation All. Brod. (NAB)
11/18/72	Calif Community TV Ass.
12/1/72	WE Arts
11/11/73	N. A. Arts Sciences Lt Q&A w/ Lee Polk
03/28/73	before (Sen) Pastore's sub committee on Commerce
3/28/73	
04/17/73	1111 Torber Hs McDermid 1111 Interstate and Foreign Commerce
6/8/73	Indiana Brod. Assn.
6/12	1111 McDermid's committee @ Public Broadcasting.
06/20/73	NCTA - Andover, CT
04/03/74	UARD
06/14/74	Pastore's subcomm. - License Renewal Bill -
08/6/74	111111 Public Broadcasting
02/2/72	San Ervin, Committee on Judiciary US Senate

Furness Debrae Beckett
Examining ABC, CBS, NBC

Cent Cases

Neer vs. Minnesota

Trinity Methodist v Fed Radio Comm.

2
FCC Prime time
Rule

CPW to Nixon "

(A)

Box #10

- ① ERNH Hearings - Folder of meeting testimony follows up, minutes etc (1st Award, Cable Center Award, Fairness)
- ② Burd 1973 oversight statement.
- ③ OTP Activities/Programs 1971-72
- ④ Press Release Central Committee
- ⑤ Fairness Doctrine, case history - OTP position - Melba
- ⑥ S.J. Res 60 - Butler Bill @ Radio regulation
- ⑦ License renewal form.
- ⑧ CW before Comm, Congress on Cable,
- ⑨ Cable Advertising movement - in Committee of ERNH
- ⑩ CW before ~~Pres~~ Congress - OTP Budget
April 1, 1974
Edys - Dean -
- ⑪ OTP Activities/Program 73-74
- ⑫ CW testimony before ~~Committee of House~~ Merdell/Warner/
Peterson/Congress

- (11) - Andrei Nurgolov - director of facilities
OMB / Transportation
- (12) Alaska timeline (A) January 1971
- (13) Visits to Winter Park, FLA
Winter park telephone no. does scanned
- (14) Visit to Wm Tech Plat. Mahwah, NJ
not scanned
- (15) Trip to NSA of Charles Payne
- (16) Conference Hearsings for Rodolph Robinson - COMSAT
Whitney, Wrotter, HAAAS, Schorley, Moore
CPB
George Morsur - OTP
- (17) Testimony May 13th 71, 19th before sub com on
technology, post, govt.
- (18) 11/19/70 CW Statement before House Armed Forces Committee

(19)

~~CDU to stat~~

CDU ship sent a statement to
Congress about DOD's Communications, and
World wide Com. Security

Nov/19/1970

Letter of Demand

(20)

WH XMAS Party invitation

Box # 11 email to us

① Notes for the book
Chapters 1-9 A
articles

② BUN!

③ Client Agreement EPE

④ for the book Collection of newspaper clippings, journal articles,
case studies and law case summaries
re: electronic media, fairness, advertising,
access, licensing, 1st Amendment

④ Goldberg = proposal to Donagileto Broadcast programming
(signed copy)

⑤ "Sandy" Foster - all a collection of various
testimony - includes
Bell anti-trust -

⑥ Book research 1974-75

⑦ ~~electronic journalism~~

⑧ ~~Research~~ CTR's research

- OTP's role - all these materials
- Industry - not company -
or Era?
- Anthony creating a map site
- search within - ok
- need domain info - password in it
- pop ups no? -
- new window when off site
- Consumer -

90 x
90
90,000
1.75
90,000
3.

- ① www.historymole.com/cgi-bin/main/results.pl?
History Mole type = Name and
theme = Redro
- ② <http://members.aol.com/jeff560/chronodr.html>
- ③ <http://www.mediahistory.uva.edu/home/1920s.htm>
- ④ <http://votewar.uh.edu/antitrust.htm>
- ⑤ www.gprep.org/~sjuchs/jpmorgan-1.htm
- ⑥ [\[www.aardocuments.gov/print_freely.php?flash=true+page=trans\]](http://www.aardocuments.gov/print_freely.php?flash=true+page=trans)
- ⑦ [\[w.digitalhistory.uh.edu/database/article_display.cfm?HID=197\]](http://w.digitalhistory.uh.edu/database/article_display.cfm?HID=197)
- ⑧ cybertelexcom.org/fags/timeline.htm ⑧ Internet, Federal Govt,
and Comm.
- ⑨ <http://memory.loc.gov/ammem/bellhtml/belltelph.html>
- ⑩ w.mackinac.org/print.asp?ID=6033 - History of telecomm
- ⑪ wwicato.org/pubs/journal/cjvL4n2-6.html
- ⑫

Cyber

Review of Reviews



Creation of OIP

~~ends~~

~~pages~~

Flamigen to Holifield

White track

3/70

Telecom Re-org

Box # 3 email. → June minutes

OTP dissertations - How did you do that.

✓ EVA update

✓ CBA questions / regulation info.

Data sources:

Questia

World Bank

business.com

International Telecom Union

FCC

Versant - database management

→ help manage a site?

OECD - (99 example)

Telco Data, US

→ could denote some OTP methods?

future.com

① Owen speech summaries TPRC/OTP

② Macropolicies of Telecom Policy (Freedom/Career)

③ Charts ④

Columbia.

⑤ Bibliography ⑥

○ Syllabus research; give back copy
get guidelines.

✓ Jane (Tomorrow) - filing system of Jody
① follow up on freeze ② example of a useful draft.
③ pre-OTF. ④ Safety process - Medical.

○ Website update: spider suit;
Chuck:
hosting @ ~~...~~

Devs.?

① (Jane) I need a CD of the
'77 initiatives

○ Web site research - while I am away
any specific directives?

8,500 ✓
5,100 ✓
2,000 ✓
4,000 ✓
300 ✓
800 ✓
2,200 ✓

17,900 by 05/05/05

- 625

For the course

Why did it look at it
this way, what

Big issues; ^{eg} fairness doc
^{eg} Kingsbury commitment

Green Book → to TOMS
Hubbuck [Letter 2 / Letter 3.]

GMU

Databases

published offices.

type in 6 #

Pre-OTP
Pre-OTP

- 1) NASA 1971 Folder
- 2) Western Union 1970 re: International Comm.

- ↳ Alaska
- ↳ Henry Cortucci. VP
- ↳ Gollager Pres
- ↳ competing units
- ↳ Intelsat not using carriers
- ↳ 43 statute prohibits merger

Pre-OTP

- 3) Expanded Int'l cooperation in space (R) 66-69.

(1966)

- EUDO
 "Committee on Expanded Int'l cooperation in Space Activities"

Pre-OTP

INTELSAT negotiations 1969

- ↳ debating management structure
- ↳ O'Connell, Meles
- ↳ Debating: ownership, management questions
 - Dan Sornas
 - Specialized services
 - public services

Western Union - 7/70

- ↳ filing for DOMSAT system
- ↳ TNX - telex merger Bill
- ↳ FCC Rate Inquiry
- ↳ Financial/Operating Reports 64-70
- ↳ Computer - common carrier
- ↳ concept of "mail-gran"
- ↳ terminal exchanges, computers

~~Telecommunications~~

Pre-OTIP Tele-sciences - Fred Morris.

- ↳ Fred Morris Jr. President. - 1965
- ↳ testimony on Data networking
- ↳ Fred Morris, Director of OTM 1966
- ↳ AIAA 1966
- ↳ De-emphasized "Broadcast" for Sats
- ↳ Central America SATS systems.

not scanned

NASA / Post Apollo

all the stuff you were looking for
Mango, Anders, Flanagan, Klein, Ed David, Rose
Nixon, Kreyzman, Paris, Warren,
Hudson, Cole, Kessinger, Pillsbury
65-71

Telecom Meetings 11/65

- Fred Ford NCTA (69)

- Questions of Commerce Dept jurisdiction

CATV - copyright, exclusivity, grandfathering,
interconnection, copyright payments,

secondary Commerce Act 1957,

- spectrum
- Educational TV.

- Address to Hollywood. -

- pole line agreements -

- inter-SA - state jurisdiction

[over]
✓
✓

CPB
Education
Cable Impostation
Signal Impostion
Frederick

CATV - "FCC has imposed
burdensome regs"

Whole testimony of Ford
before house '69
in Box

Ed tv. (NET)

'68 summaries of Media
from SOTM

RCA. - WUI
- Alaska

L.W. Taft VP

Howard Hawks Pres RCA.
Bill's testimony -
RCA build by his

Nixon approved sale of
Alaska Cable System (ACS) to

RCA - buying
RCA pushing for monopoly
(using DoD)

- CW notes - "lots of red type no
proof"
Rostow "Shady merger"
Comstat seeking to exceed charter

AT&T

ComSAT / Long distance deal
DomsAT

- ComSAT own and lease two
sets to Bell, which would own
the earth stations -

Ed) Crossland
VP. Gov. Rel.
Bell.

reflects FCC "new" competitive
policy - leaving Bell free space -

FCC choosing who competes?
tension of Open Skies?

Bank of Bell Policies 1964

Notes:

List of contact from all regions of industry

STATE Dept.

{ Tech/Econ summary of C&S
Abbot Washburn. }

Dos
suggesting

Plamphlet

Cross cultural communication studies Sept '73

Copy of "Reconstructing the Human Community"

Review - why
a probe on news?

D.o.State cut..

- USSR requested a convention on direct TV Broadcasting

- ↳ they wanted to: impose commercial and content restrictions..
- ↳ permit jamming

Jurisdictional Issues
9/1970
can abroad

D.o.S cut - spectrum, emergency services enacted

D.o.S - French - transatlantic cable

TAT-6 - Trans Atlantic Cable - AT&T

→ Algeria radio rights

White House Com Agency

- memo on a plan for communications between national leaders system.

including a call for Nixon giving authority and you determining as not needed.

NAB - Employees & Fisheries

NAB - NCITA conflicts -

- proposal by the trade association

Nixon to NAB - Rumors

69 IBM folder

notes: from a meeting w/
Rob King Gov. met
IBM.

university - foreign attachments

- computer - common carrier issues

"common carrier in comp is good
w/ no domain in rate"

ITT Folder

Indonesia - East Sat station

Gov - Hyde - NSA - ComSAT - FCC

"real industry concern"

reg: Apollo mission -

Boudlet on ITT's position

CTW notes;

ITT thinks ComSAT should be private,

ComSAT no bus sep as right

State Dept is pro-ComSAT

④ Against MIT merger

⑤ Compt & depts re: common carrier

Telecon Meeting
Hughes Aircraft 5/69

Samuel Lutz - Chief Scientist
RE: DOMSAT / WARC /
Technology Consts

Communicative Workers of America
CWA NOTES → CWA is not ~~taking~~ take
kindly to rapid change
especially by those (Rostan) who
don't understand the industry
Joe Bress, Pres.

Ford Foundation
George McBurdy meeting notes
calls for creation
an NGO for comp policy
DOMSAT

GE

D.R. Rodgers

- need new organizational mechanisms
 - to realize unique advantage in space
 - topped w/ common carrier SAT,
pre Constat & Int'l DOMs
 - "Challenge" and Offord speed (B's)
- "What we have is a Palace to communicate."

CTW | 3-10-05

Brookings Magazine.
(Yellow Peril). -
- Telecom Reports -
- "Communications week" -

- back copies -
[68, 69, 70]

Website

subset of pages
on OP.

- Mason Students -
website.

Box 47

CPB - PBS Agreement 5/31/73

- CTW Statement

- Curtis Statement

funding, interconnection, localism,
working draft

Timeline of statements/summaries

- Birch to Moynihan recommendations of 34 Act

- CTW to Congress April 1973

Amendments

Amend 1934 Act

license renewal

- extend licenses 3 to 5 years

- eliminate comparative hearing

- preclude FCC from restricting May renewal

Peace SAT

CTW to Gov. Burns

Hawaii

ASIA

'Restoration Priority'

- C.T. Bebechuk memo on

'Integrity Private line services'

- CTW to Birch (emergency preparations)

- NIAA committee meeting (Joyce)

Storm Commission

Nov 1970

- Paul Lookin
- ~~Paul~~ Summary

"Organization of Office"

- Hirschman to CTR on OTM/OTD/Spectrum
- 1970 Telecom Re-org
- G.A. Lincoln to CTR, Flanigan, Telecom Re-org
Prog. preparation

- Budgetary effects of Re-org 1970/71

- Flanigan to Shultz, Ehrlichman
Re-org responsibilities. 1970

- Shultz to Kennedy, McCracken

- OTD Budget 1970

- Flanigan on OTD jurisdiction, Telecom Re-org

- Confirmation Memo to OIA July 70

Bureau OTD policy issues 1970

CTR to Ehrlichman OTD issues 69

- OTD purchases 69/72
- OTD 11/72

Hirschman to CTR common carrier issues 10/72

OTP to PCC 02/1972

- Domsat

- Spectrum

- Domsat - CTR to Strawberry

1-72

- CTR to Birch Spectrum

- CTR to Pastore

calling cable session

Nov 1971

- CTR to Birch 10/71

- de-reg of radio

- Spectrum 08/71

~~CTR~~ CTR statement to
Armed Services Committee
in DOD Com

- CTR on OTP Budget
before Cong
04/72, and 05/72

- ~~CTR~~ CTR testimony on
OTP 72 budget

- CTR testimony on
Cable # 1st Amendment
04/72

- CTR testimony on CPB
02/72

— CTR confirmation being Q & A.

— NASA establishes ^{requests establishment of} ← OTP

Feb 7, 1970

Joint Council on Electronic Telephony
Summary report July 1970

NASA

Nov 1970

— DOT, NASA agreement on
Aeronautical and Maritime services

CTR to Ballfield on NASA

Rodino - 1934 Act rewrite legislation

Scalia to Owen - Radio spectrum policy
Stultz, Amending 37 Act - Radio spectrum -
Bell

Mobile Radio Systems

2 Spectrum Allocation

Deen to Cw "Spectrum Actis" 1973

2 Increased spectrum use resulting from
Relaxation of the UPIT N TABOOS⁴
and related measures

- Hutchinson quits spectrum work 03/71

- Summary of Govt use of spectrum
Deen, Hutchinson, Owen Feb 71

- Spectrum sources from Bruce Owen 71

- Spectrum studies Jan/71

- Owens spectrum proposals 9/70

@ Oct '79

"Telecom Auth uses"

CTW to Birch -

OTB's DomsAT proposal 10/71

- Apollo correspondence

- DomsAT proposal - May '69 OTM.
CTW

30 crants

- NASA | satellites | Apollo

O'Connell

Shapley

CTW

June '65

NBS

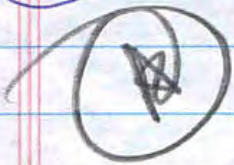
National Bureau of Standards

Burrows - Director 1970

Computer standards

FIPS →

Federal Information Processing Standards



Information Council

Debates to know a

the future of space exploration '69

Fisher on Dr. Fletcher

Industry letter

reg: Ash Council

~~#~~ CBS

list of contacts

(OTD initiatives) com's material

Responsibilities/
com to Eisenhower

Legislative Programs

OTW TO ROSE July '70

①

7 major ^{legis.} issues

- 1) NASA
- 2) COMSAT - common carrier dereg.
- 3) coast nuclear reactors
- 4) air traffic control
- 5) "high energy" jurisdiction
- 6) concurrents together legis
- 7) ~~Astronaut~~ - regulatory re-org

②

OTW to CARDMAN

padding com legislation

Jan 1977

Land Mobile

Proposed Leg - OIR budget
about \$90

900 mhz systems

~~to~~ CTR to Buro

✓ JTA

Joint technical

Advising Commission

Technical Councils

1972 Summary

CTR / Smith.

objectives

International Conferences

ITU - list of participants
+ correspondence prior.

Report on US-UK-CAN 1973 meeting

Report on ITU - Geneva
spectrum

Report on UK/US 74 ITU Maritime
wave

Report of INTC Tech Sub.

02/72

Intelsat

① Shanghai, Kunming, NCA } China earth stations

② Mexico - Mexico Urgent Intelsat

③ Correspondence - Abbot Walsburn,

④ Inter-satellite agreement

Telecom Jan-March 1970

AAFT McWhorter 01/70

Berke - CATV - Columbia, MD 03/70

Bob - setting up org - planner
organizing of stepping org

Bio of Niskenen

Persimman Place

22192 - 2006

Meeting w/ CTW 03/10/05

Transition -

Scan 1st page and
table of contents

STORE in folder

"Front Page" -

Keywords use titles / Dates

Court Cases continued

- How do we ~~tie~~ tie in OTR -

- What is the mission statement?

ⓐ Anthony on board - site map fill in the blanks.

ⓐ Basic industries -

- No pop ups

- new window when leaving

- navigating web site.

June
pad
files

needs help naming
statement of...

Posting
hand writing

diffs of
speakers

Resolution no. 8. 74th Congress Docket no 1

① 1938 Telephone Investigation = "Walker Report";

evidence sections 2096, 1360 A-E

① Gloria Thomas @ FCC library 202 418 ~~0344~~ 0451
PAM 418 0270 Frank Hesh 418 0450 * DAVID WARD
reference director 418 2336

② Ordered = Investigation of concentration of
1918-1941 economic power.. (Hearings)

Section pt. 23 → Telephone, Railroad, JPMorgan

③ Book of Walker Report stored in
depositories, says (Thomas. loc) email
WRLC (checked out only copy)

④

A) continued

trash ???

have to $\frac{1}{2}$ reference center

Space concerns...
will open in a year.

② Dissertations

chapters

ⓐ 10\$, Universal Access

ⓑ On site abstracts

ⓒ HAVEN'T checked any out? Do you want?

③ Brook Book

"Telecomm Policy for Information Age"

ⓐ Review helpful?

ⓑ See notes for questions

Decentralized structure, long lines monopoly Genius of Vail?,
terminal equipment/computer, Carter 890 Hustly, Separation Smith v. AT&T 1980
revenue sharing, vertical integration, etc etc ...

④ Picked up "Telecommunications Industry" 1981, Brook
(Dynamics and Market Structure)

⑤ Skimmed CBA since '02.

ⓐ examples in folder.

ⓑ Sterling? Good resource,

⑥ Ordered "Telephone and Telephone exchanges; invention and
development" Kingsbury 1915

⑦ FCC Reports 1956-58

⑧ Papers of David Saruoff
great anecdotal "testimony"
Radio-TV-Satellite

⑨ Page on State Regulation and 1935(f8) investigation
1941 = "The Bell Telephone System"
interesting summaries, good questions

⑩ "A Slippery Slope" Hendle and Strassburg
pages 1-40
Creation through Hush a phone

⑪ Digest of Common Carrier cases 1936-1980

⑫ "A Framework for the Analysis of the
Regulatory Problems of Telephone Separations/Settlements"
Waren G. Lacey Nov 1978

⑬ Looked for H.P. Davis,
disappeared? still don't know
what happened...

⑭ Vail - Morgan follow up w/ Thomas @ privetelia.com
(1981) Brook p 149-152 - pointing fingers, no primary source
other than a picture...

⑮ Datram / Sam Wily → info sent,
will do a Lexus search
Full spreadsheet common carrier.
65-69 what was happening

⑯ Goelken Archives; no sign of, any clues?
MEI books "1968"

⑰ State Regulation

① NAAS contact. April Mulgrew
617 305 3748

② Brock Boulc, Straussburg, Page,

⑱ Judge Green is dead ✓

⑲ What was importance of Postum Report 1968

① get a copy
② Ash Council 1971

Open Skies ?

NEA video
arts council

Social

- (20) Poole and Williams (1982 Communications)
Life inside The Crowned Jewel Revolution
- (21) Electric Utility business circa 1900.
need more specifics
state vs Federal reg?
social impact? (no charts of subble yet)
- (22) Themes - Threats - Strains
wasteful duplication, over building, hi-to tariffs,
following up on Silo approach
- (23) Transcribing? Other methods?
-
- (24) Schedule change
- (25) Essays by Gabel / Muller, Gabel
early rural Telephony
intracombination payments

② Microwave / television's role in
specialized common carrier / NCS
downer?

(Brode 1941) page 180

Tom's take

Early

end of 1890's AtT suffering from
competition, (service of)

①

Book

access to captal / flexibility.
formed AT&T.

1900 - 1902

↑
②

Struggles for indep control - Coolidge
Watersbury > Fish.

Eierce → Develops Morgan interest in
Tel and Tel.

③

Vail offered Fish's job in 1901, (Confidence of board)
wrote letter (Wm Crane) laying out need for
long term capital plan...

④

1902 Vail elected to board...

⑤

The Morgan reflects (Baker/Watersbury) control Tradition
group
meanwhile Fish - Coolidge -

|

[Morgan → [imprisoned]]

1st period

1906 - 1907

Morgan power Brook pp 149-151

1908

dissipation of power among local banks

by New De power shifted into management assuming power by playing off of (different sectors) [banking,

1900 - 1920 - 1924

Control/Stability

2nd

1920 → parlous patent rights
(audion → 20, 30's controlled Hollywood ---)

1920's @ co-axial cable.

Sound motion picture / broadcasting

by 1920-1934 pattern is seen ---

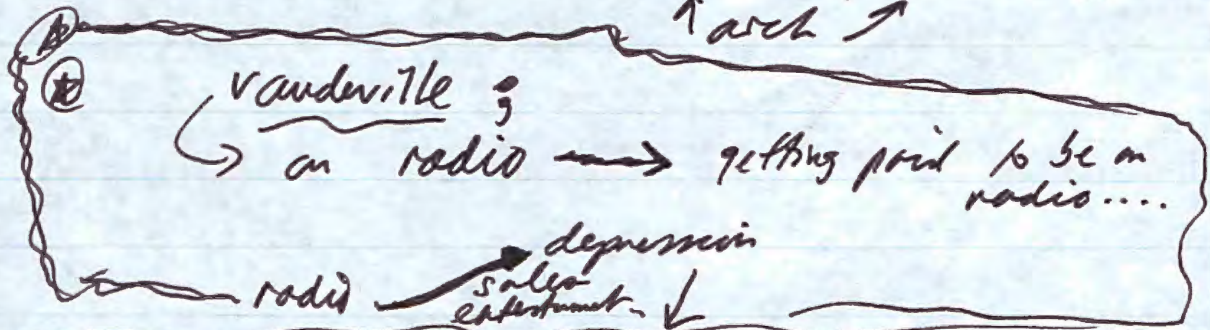
[Olin Young * Chairman of GE
(Navy) (made RCA happen)]

Telephone/Telecom.

Broadcasting

Radio Business (H.P. Davis.)

- ① When did phonograph become a major factor...
Victrola..... timing, cause/effect
↑ arch ↑



- ③ numbers to show size scope relative to 1900 - 1960's GDP →

④ numbers to show capital 1890 - 1930
capital expansion needs

⑤ growth during competition.....

⑥

(NIP?)

Stranburg,
Hendck, Fred

Angela had a stroke

Marks very old
Sunshine
JF

① Judge Green's clerk →

② Head of Anti-trust early 80s
academic, all the press...
Bill Baxter

③ Ken Cox; Fee Commissioner, MCI.

④ Charlie Brown, Charles Brown, ATT,
agreed to 'backup'...

⑤ Trienens, Howard
Chief trial attorney

⑥ OTP era →

Themes -

⑦ General Kester → How ATT / government
played with issues,
how interplay was used...

① Common carrier.

② spectrum policy

③ anti-trust

④ cross-sub of man, service

⑤ cross-sub → patents...

⑦ industry control issue...

⑧ technological evolution. - econ of manufacturing
Science - to engineering ->

⑨ Govt spending - Govt consumption,
MIT complex, as consumer
created, standards

⑩ WNS, Era -

Three ① competition vs monopoly

Wire-coax-micro-fiber-optics-

② market power of networks
economies - broadcast - wires -

③ ④ PP -> regulatory

"Raw materials for real competition." ⑤

"like a faint dream that kept getting louder."

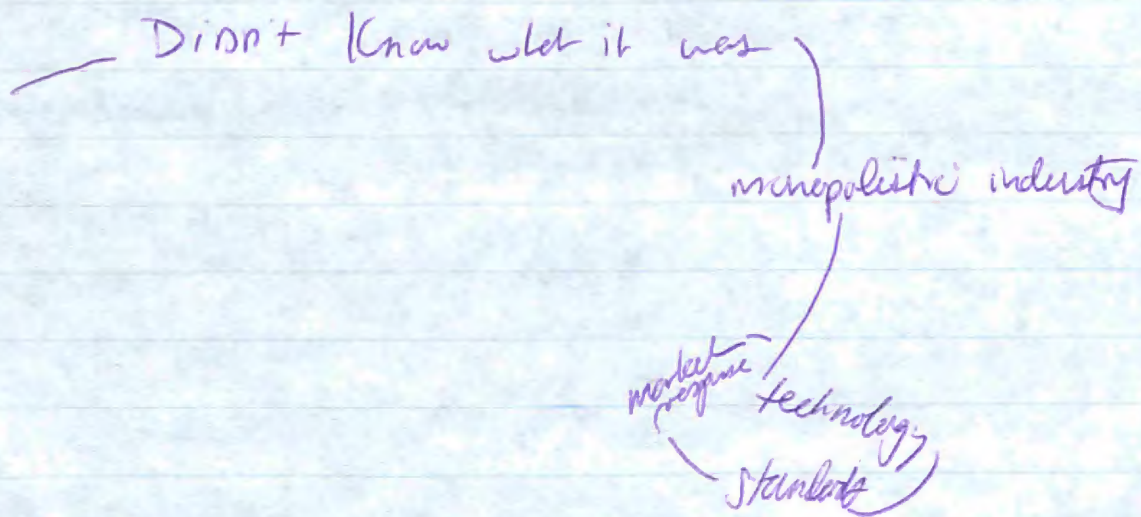
fund (★) Wiley → FCC - too legalistic
Chairman

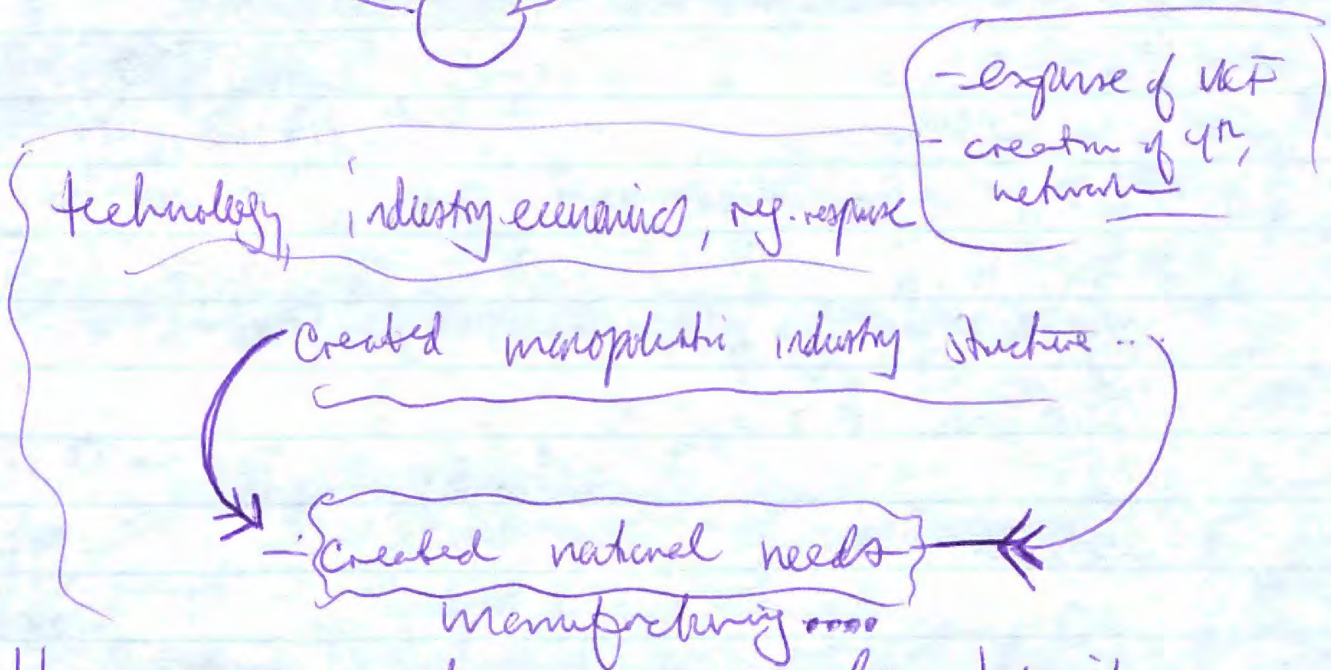
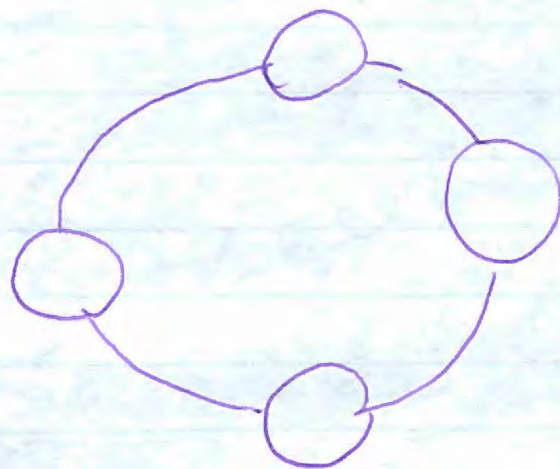
fund (★) Ferris, Clark

(★) Johnson, Nide, FCC dem. Commissioner

(★) Analog vs. Digital ~
"ATT analog culture"

(★) Manifestations of telecomm....





How we got a monopoly, how it persisted



Killian Report - Pres of MIT, Eisenhower advisor,
Pres of Commission Ford
- educational television -

NSA for
Kennebunk

Mr George Bundy

Killian Report

Illustrates how technology
limits perceptions....

[control to → creation of CPB] 1967-69

Finally a — "A 4th Network"

Radio-parallel- proposal for new profit..

← Raw Materials →

CPB
MCI
Satellites

① Fireside chats

② Tet offensive

accen →

Key Moment.

{ see time television
around the world....
news understood what
was happening before
the white House }

Relationship →

illustrates - we aren't really
aware of how communication capabilities
affect the perception of the world.

Bell classified

DOD

Galt doesn't want
too much computer
∴ release of telephones
to spy

"couldn't trust McGowan?"

★ We psychically tapped Swift (~~the Optics Lab~~
coaxial....)

★ Tom has - classified....

★ NSTAC → security clearance to telecom companies -

★

DO THIS

★

Hire someone at who will scan documents →

indexing

during the day - 10am 3pm →

★

Keep physical

② EEI

charts

★

Howard → information program

Oettinger

Copy

map of communications industry

content vs ~~hardware~~
network vs hardware

★

(A) Sam Wyly → specialized common carrier

(A) HBO - Jerry Levin → Simple HBO story,

(Tim Wynn)

(A) when started?

(B) when did he 1st use microwave?

(C) when 1st on satellite

Sid Topol

(A)

~~Sid Topol~~

Scientific Atlanta...
cheap satellite...

June 25th / 2004

① Crystal set → how much, where...
who operates

② CD ROM/DVD idea - Loc, { primitive
broadcasts? }
early recordings
CBA

③ Bring VHS of 48-52
Old Audio :

Mark Farber
Museum of Radio/Television
Bartman

④ Move on 1960's ← Model of creation, consolidation
seeds of competition where the

IntelSat -
Above 890 -
MCI DATRAJ

BPL → Broadband over power line
↓
Bush speech...

when people
became
cable
industry

Distant Signal Impairment

primary coverage →

→ was it microwave...?

→ WGN in Chicago → ?

Copyright impact

cable / broadcasters / Hollywood...

Who did MTF start? -

Transcribing → prefer digital

Satellites

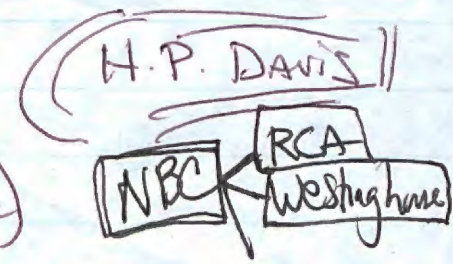
Intelsat;
Wow factor
presumed monopoly
open skies 1969

ATT & FCC -

Big issues - Seeds of Future Competition
that made competitors -
satellites, cable,

(Pivotal decisions people made)

Who put it together - visionaries



Competition
IV

Time lines 1

Radio

Who was doing what circa 1960's?

Rostow Reports

Satellite (A)

Early bird bunny

Hughes
ATT microwave
balloon...

~~XXXXXXXXXX~~ - Hughes

Timeline

Early Computer Technology → DATRAM.
→ Computer Mgmt. I, II, III
★ EDS → Ross Perot - Clay Johnson

|| FCC circa 1960's ||

anti-trust IBM. -

Travis Marshall - Motorola's chief lobbyist...

Cell Phones

- ① Motorola? — early cell phone
↳ monopolistic ambitions...

[]



Jome, Hiram

ARNo

Econ of Radio Industry, 1925-1977



IBM/Microsoft → New Yorker Article.

Low family

A) Dos

B) 2nd quarter @52



Transcribing — cassette hol digital



Fairness Doctrine, Red Lion, v.



Timeline of WACC → Textbooks



Kenneth Cox, VP MCI, FCC Commissioner.

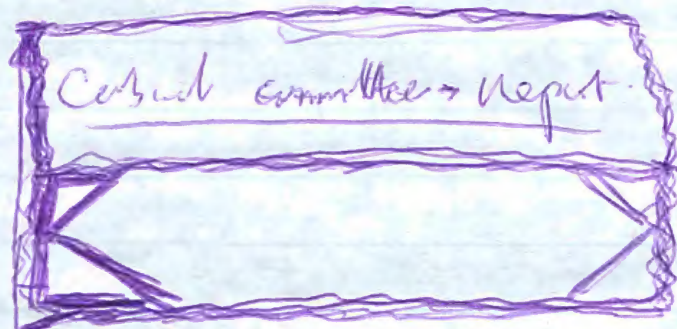
① →

c

Copyright -

Cable -

Remun



[1960] - considerations

Predecessors to OTP

1960 =

priority → under sixes



↻ Eugene Rostow

← Rostow Report

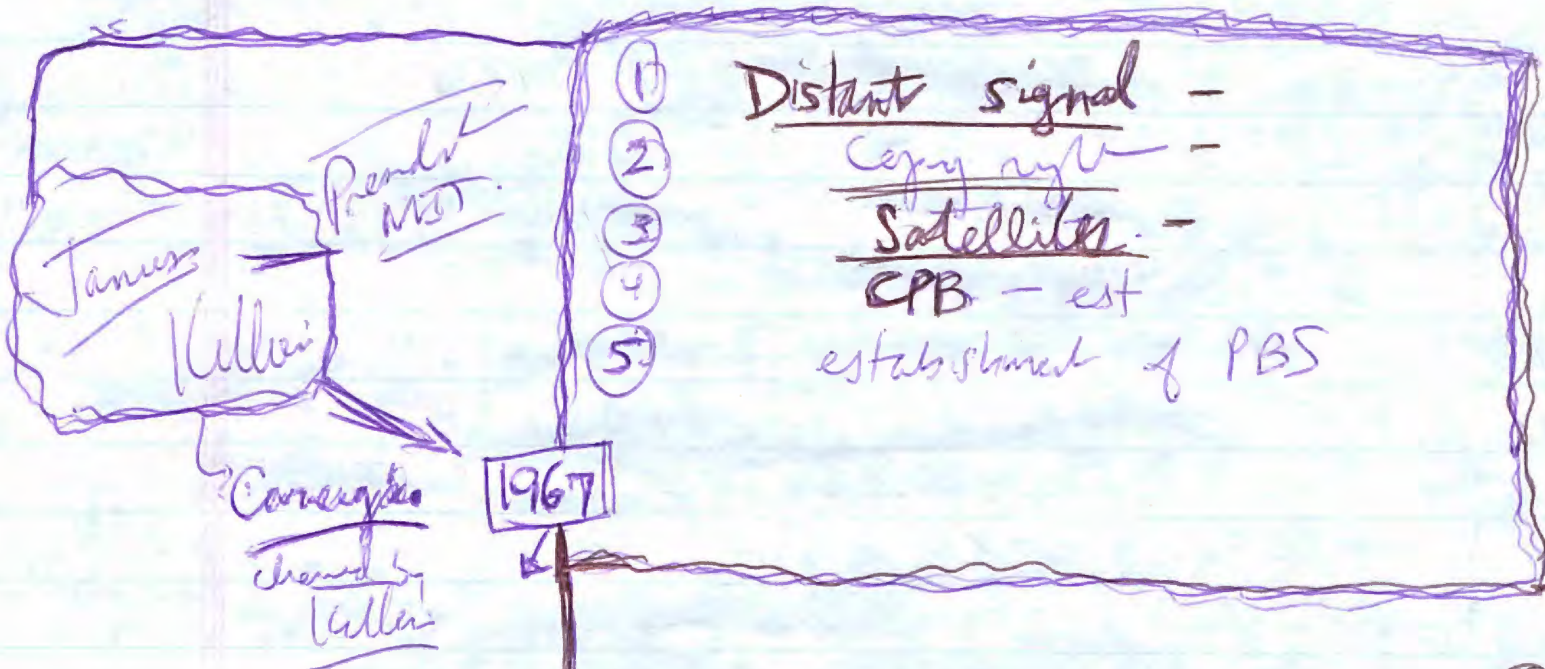
* tenor of times

{ getting (non-hive quality) }

Re-transmission →

Solidity
even

Ted UHF ⇒ 19



Dec 7, 1968
President's TASK Force
on Communications Policy

Govt Printing Office = electronic - -
= copy - -

August 14, 1967 (copy of the bound version)

Don Baker; Assistant Attorney General - Anti-trust.

Donald I. Baker - lawyer

William Baumol →

Roger Knoll

(RIP) →

William Morrill - Because of Budget
went to economics
consulting firm

Notes for CComce

- 1) "natural monopoly in each locality"
page 10
- 2) written 1973 → 3000 systems serving 8 million
growth = more than 10% a year
- 3) FCC treating Cable as if a Broadcasting industry
effective freeze
- 4) Sought to divorce itself from Comm Act by 34
page 14

② Isolate Controversies,

group them so we can
identify them ...

create categories ...

- 1) FCC had to fight for right to regulate cable...
- 2) 8 million hours in '72
- 3) Cable constrained by Comm Act, Separation policy
- 4) well informed citizenry dependent upon free flow of info
Cable will enhance a pluralistic democracy
- 5) Concentration of power public or private
threaten national discourse, matter of free speech
Constitutional
- 6) use vs. extent in regulation
Government is use regulation, not results in power
extent is suggested ^{concern..}
- 7) Fairness doctrine; special to television?
Public interest?
- 8) S
- 9) Programming and Cable Separation

lumping / categorizing.

Sabitts → Cable → Bell
 national network

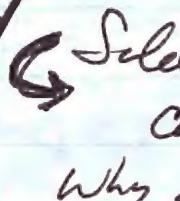
"Flow for ATP"

collection of papers
primary documents

1) Utility Industry writings

- 1) rate of return
- 2) holding companies
- 3)

2)


 Satellite solved the network issue
 cable solved the
 Why did

get those.....
 documents.....
 extra 500k...

60's + 70's

Sid Topol's

Very Topol's

Clare's, @ Financing

Doug Ginsberg
Chief Judge

DC circuit
Court of Appeals

Communications
and Law

review articles

Comm... -

Bell → speeded common carrier.
 Domsat = competition --

"proof of concept" it can be done
 compella

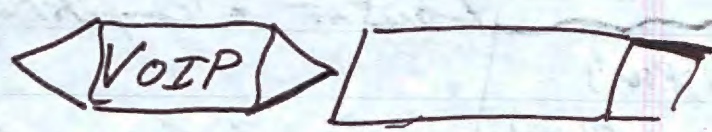
MSAT = precursor.

Set decision against

"Carrying the narrative"

provoking = using leverage of WH.....

- Utility Technology
- 1) rate of return
 - 2) holding companies
 - 3)



RCA

Content rights

Vectormax.com
igete.com

Pool

CSPAN
Phone

Meetings

W/ June 12/15/04

Sorting DOCS —

TAGGING DOC — Paper Port

Access to Server from Remote location?

working
27th | 28/29th
9-6 | 9-6

30th | 31st
can help

CPB
spectrum
Cable
Copyright
broadcast
satellite
speech - (Final version)
Drafts
911

Public broadcast
frequency allocation etc

Call Jane about Peltm renewal
Dre 01-31-05

Broadcast
Cable
Copyright

(Missing whiteheads → letter.)

- Satellites - not covered

- Broadcast magazine →

TV you digests. →

- yellow . Telecommunications reports.
pgr. - Fred Hawk.

- Industrial communications.

Where are we? → Need of Prodding

1.) Reconstructing context;

2.) Unresolved histories ↗ written in stone pipe ↘

3.) Addressing Interplay of Industries.
focusing privacy

- Chronology -

What issues?

Why?

What impact?

Jake

303 246-8549

Correspondence files...

(Henry Beller. publicized OTP files?
was director of _____
FOIA request

NTIA - Archives;

Network Project.

- The Sun paper. -

- BUN -

Bruce Owen memo to

- TOM.

Bruce's economic papers...

Ask Brian @

the Face the Nation
Advocates - Ch 2 Boston
About
Today show
Museum of TV Radio.
Shut Boston.

Brian on end products
website

DVD, 4 book...
transcripts.

② Cable Report
January '74

Bruce even
electronic copy...

1969-1970

Why DTP?

Goldberg → ② speech that goes back to 1940's
spectrum management...

(Rosow Report, O'Connell Commission)

... long lines of this...

What made the difference?

② General O'Connell. ②

- Goldberg -

- satellite industry -

- ABC - WESTERN UNION -

~ pressure to create OTP - Broadcasting

- Whitehead in LA -

Buchanan/Glassford/Whitehead/

Tom's move towards

Bob Elsworth → Nixon's Campaign manager
↓
Hardenman
Kissinger
Erdman
↓

Tom = working at Bob →
Transition team →

Elsworth
CTW ↙ ↘ J. Rose

Responsibilities

FCC
CIA — with Kissinger took it...
NASA

① ORAC histories — as Rostow AT — CBS — O'Connell —

First memory of Carson involvement.

Rostow Report — (Pres: Nixon was represent.)

①

"O'Connell Report"
(spectrum management)

Secretary

Erin Daughtery
Edgewater Maryland

Dentist

- Dr. Daren B
Daughtery

Venice, CA

Judy Martin:

Toni's bus phone #.

Nick Johnson

(Blackstone)

John Warner - wavy

Why OTP?

(*)

The Big Telecom Events:

(*)

(*) How old (*)

(1) Rostow Report

(2) Rossil Hyde FCC chairman..

Satellite conversation...

Eisenhower (*) Rosel Hyde

Why OTP?

Fcc's
"AMSC" = "open skies" ?
mobile satellite

OPEN SKIES!

B. Strassburg: (Book)
where?
Rosen's role

① How do things make a big difference?

② Why

13 months

What happened to Comm
from ROSTON to open skies

③ Who were the 6?

④ When does
Bush become
Chairman

⑤ Newt Minnow,
Kefauver

A number of important policy issues,
cable
satellite
spending common carrier

⑥ Kullback report

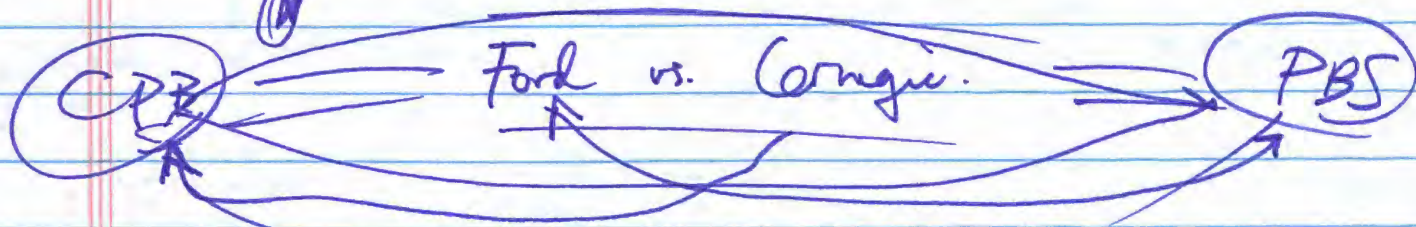
CPB 1967-68

Jim Kellin & Marc Suddy

Written by
Goldberg

300 + million for CPB..

When was Conroe Commission set up..



The
A - Fight for funding - A
Jim Kellin

CPB →

NPACT

Sandy Van Alst

Fred Friendly → newsmen show

@ Chuck Jiggitt.

It all started with Satellites.



WAS OTP set up by legislature?
Legislative = or Nixon.

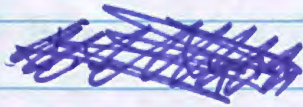
(A)

William - Bill Niskanen

(Bio)

CATO Inst

18th & G ← (Office AT)^{OTP}



Father Doc
Equal time
CPD

freeze
int'l policy
radio dereg.
re-runs.

Wash Post.

Nixon Admin
Father Doctrine...

Gaylord Shaw

[Dan Thomson]

Sequencing -

- 1.) Open stores
- 2.) Copyright →
- 3.) Cabinet committee report →
- 4.)

Jane

- sort by Goldberg files

- sort

Jane

key word assignments:

genre: letter
gov. doc - order
testimony
speech
draft

date:

she suggested month/year

industry: television
cable
satellite
telegraph
govt affairs (spectrum)
etc...

I will then break down each
subsegment.

reg

Satellite

- A. technology issues -
- B. industry recommendations
- C. television -
- D. price
- E. regulation
- G.

as well I will tag - CW outline

~~wireless~~ wire - wireless

- 1) Review Science
- 2) scanning procedures
- 3) website →
- 4) Omu (key) relations. - Help for law class?
- 5)

Review science =

✓ article by Wohlsetter

✓ Jane and files → sorting method
→ purpose

✓ Web site. — GMA sponsorship — ? NARA?

✓ Geller

✓ Sachs

- telecommunications clearance -

NAB []

④ Ken Robinson → Henry Gilber; Sachs

④ The Book written about creation of e-SPAN.

OTP: Where did all the boxes go

④ Gaylord Shaw → Nixon Ford transition;
New York Times. —

Stuart Botman; NYC. (audio/video tapes)

Bruce Owen reviewed papers →

Don Baker - has files from DOT
for these years -
follow up a meeting

✓ General O'Connell OT Management - emergency papers
specimen storage

search OBITS [Eva Dugerty] - daughter →
husband Darien, Dr., Edgewater, MD.

Straussburg ↔ wrote

Arbaum; →

[Headlines of OTR] - Head

- Major Categories - then sub

Insight tour.

~~3/11~~

Springfield - Columbus

Columbus - Pittsburg

Dubuque to Springfield

Dubuque to Indianapolis

Indianapolis Lowmell.

Lowmell to Springfield.

Calendar Creator

address
banner

Calendar Creator:

Box for
everything else

File: Open ✓

priority relates
to where on
calendar. -

Drives: S ✓

Market 1 ✓

↓

BUS: calendar

↓

BUS 2 OK at prompt.

up comes events on right.

now = plain text

(Files are all events (w/))

Meeting w/ Tom Box 45

Daytona Beach, FLA. 3/29/73
FLA Cable/TV Assoc

Beverly Hills, CA 3/31/73
NATAS, National Academy of TV Arts & Sciences

correspondence of Ethel Barth / Combs / Turley /

~~see~~ follow a cable tv.

MIT Club of Washington Feb/73

National Religious Broadcasters 1/31/73

NATAS, NY. 1/11/73

American Institute of Aeronautics 1/9/73

Inventor ~~of~~ Radio & TV Society 2/14/73

MAX BUCK

(Audio cassette)

TAPT Broadcasting 1/7-8/73
San Diego, CA

National Endowment of the Arts 12/1/72

CAV Assoc 11/15/72
Anchorage, CA

Kensan Night honoring Ben Dol 2/5/73

NATAS, NY. 11/11/73
license renewal speech
Lamb to Taylor describing OTP Bill.

American Institute of Aeronautics 1/9/73

- DBS speech

National Religious Broadcasters speech 1/31/73

- Nixon memo

- Ben Armstrong

Naval post-graduate school speech 10/27/72
- good description of OTP functions

International Conference Computer Communications

Don Baker
Ways novel

11/24/72

(Program w/ abstr. of papers,
great reference / synopsis of times.)

Scriptbook - Good old of key

10/20/72

NATAS - San Fran 9/14/72

~~Kennedy~~ ~~Brooks~~ = Missari Broadcasters

11/20/72

Association speech

Correspondence

Oregon Broadcasters Association

- positive press

- scary the legends w/ of
the industry

- magazine analogy

Nebraska Broadcasters Assn.

(B)

NATAS, SF Sept 14, 1972
perkins, Nixon, studio, →

~~perkins~~

Med'n Book

Box #6

04/16/05

Speaker → ① 69, 70, 71
③ 72 -
② 73-74

(Toss
The slides
and press
originals -)

- White have procedures
How to quote etc.

Ford transition team

MEDIA / Personal memoranda
1969-1970

10/8

Marantz

PMD 670 Solid State
recorder

Digital Portable Unit

Y / Dana

Box 4 Mar 7 -

(A) Jane: - part 1
Step B's until everything is done
tag media down screen

(A) 1) 'Fairness' Folder - 2. yote ~~split~~ backbone
b) chronology of fairness doc.
c) testimony
d) cases - important.

2) Prime time Access rule

(2) Network reviews - ISSUE book - (A)
Summary articles,
Chronology
OTP letters to PCC
Broadcast

(V) (For each split into 2 folders)

Public Service Subtitle Casework

NORA
UMPB
DBS
more edge

~~APP~~ Folder

(vets) Public Broadcast Hearings Briefing Book
June 12, 73

Domsat Policy Working Group

Domsat

Cheng, Burton, Mory,

Nora

Hyde, Waugh, Gabel

FCC

Pain, Mann, Elsherman,

Intelsat

Morris, Kemper, Nixon

(A)

Partners
Creation of
OTB

Defense Dept - regarding creation.

White House - Creation -

TRAC - creation of OTB.

FCC

(*) news on internal politics

(A)

International Affairs

O'Connell - on Intelsat conference
Why Meter is authorized

'Domestic Affairs'

- Domsat policy
- spectrum
- mobile - FCC - hearings - Birch letter
-

DIGITAL PORTABLE LINE

PMD670 PROFESSIONAL SOLID STATE RECORDER



Optional Accessories

- RB1100 Ni-Cd battery pack
- RB1650 Ni-MH battery pack
- BC600 Battery Charger
- CLC670 Vinyl Carrying Case
- CA200 Hard Shell Attache Case
- PRC600 Reporter style bag
- PRC300 Nylon Carrying Bag



PLEASE NOTE:
Specifications are based on measurement conditions and proper care for the machine, and are subject to change without notice.

General

System.....	Solid State Recorder
Number of channels.....	2 (stereo), 1 (mono)
Usable media	CF memory cards, Microdrives
Recording and media methods	
.mp2.....	MPEG1 Layer II compression
.mp3.....	MPEG1 Layer III compression
.mp3.....	MPEG2 Layer III compression*
	*for all half sample rates
PCM.....	16 bit linear PCM
Power Consumption	
Recording/Playback.....	5.2 W
Charging.....	12 W
Standby (battery driven).....	2.2mW
Headphone Output power.....	20 mW/32 ohms
Speaker Output power.....	100 mW
Phantom power.....	+48V, 10mA
Dimensions (Maximum)	
Width.....	10.4 in. (264 mm)
Height.....	2 in. (55 mm)
Depth.....	7.3 in. (185 mm)
Weight.....	2 lbs. 14 oz.(1.3 Kg)

Audio

Recording bit rate (selectable)	
MP2 stereo.....	384, 256, 192, 128, 96, 64 kbps
MP2 mono.....	192, 128, 96, 64, 48, 32 kbps
MP3 stereo.....	320, 256, 160, 128, 80, 64 kbps
MP3 mono.....	160, 128, 80, 64, 40, 32 kbps
Sampling Frequency	
Analog.....	48, 44.1, 32, 24*, 22.050*, 16* kHz
	*except MP2
Digital	48, 44.1kHz
Frequency response (PCM 44.1kHz).....	20,000 Hz (-0.5dB)
Signal-to-Noise Ratio IEC-A Weighted.....	LINE 86dB
	MIC 65dB
Total Harmonic Distortion at	
0 VU (PCM).....	LINE 0.03%
	MIC 0.08%
Dynamic Range.....	86 dB

Inputs / Outputs

MIC IN L/R	
Type.....	XLR (1:GND, 2:HOT, 3:COLD)
Input Sensitivity	1.2mVrms/6.5 kohms
LINE IN L/R	
Type.....	RCA jack
Input Sensitivity	300mVrms/20 kohms
LINE OUT L/R	
Type.....	RCA jack
Standard Level.....	2 Vrms max./2 kohms
DIGITAL IN/OUT	
Type.....	RCA jack
Impedance.....	75 ohms
Standard level.....	0.5 Vp-p
Sampling frequency.....	44.1/48 kHz
Format.....	SPDIF (IEC-958 Type II)

DIGITAL PORTABLE LINE

PMD670 Solid State Recorder

marantz
PROFESSIONAL



DESCRIPTION

The PMD670 Solid State Recorder features non-stop record with 7 hours of battery life, a menu-driven remote operation, and an EDL marking system for creating new files on-the-fly during the recording for easy file selection during playback. Users are assured a high-quality recording result due to the built-in lock down panels that secure the recording setting switches and media door from accidental changes in-the-field.

Extensive capability

Designed with compatibility for MP3, MP2, BWF, WAV formats the PMD670 boasts an impressive 40 assignable quality settings as well as a FAT32 File Allocation Table for future multi-gig file capability.

Simple Operation

With the flip of a switch record audio files to affordable and widely available Microdrives or compact flash cards.

Transfer audio files to PC

A table-top portable model, the PMD670 features a computer I/O connection that allows it to be easily linked for easy file transfer. Drag and drop recorded audio files to your computer's hard drive in minutes without the real-time delay disadvantages of cassette, MiniDisc, and DAT recording! The optional *PMDEdit* software enables easy file management and editing with its combined use.

Key Features

- Record Directly to Compact Flash Cards
- Easy One Touch Record
- Portable Operation
- No Moving Parts
- MP3, MP2, WAV, BWF Format Compatible
- Over 40 Assignable Quality Settings
- Security for Switch Settings and Media (Door)
- 16-48 KHz Sample Rate Selections
- 32-384 Bit Rate Selectable
- Menu Driven Contact Closure for Remote Operation: Start-Pause / Mark EDL/ Unattended Power Up and Record/Create New File
- Digital Input and Output
- Balanced XLR Mic Inputs
- Unbalanced Line In and Out
- +48 V Phantom Power

D & M Professional
A DIVISION OF MARANTZ AMERICA, INC.

1100 Maplewood Drive • Itasca, IL 60143
phone 630-741-0330 • fax 630-741-0652
www.usa.denon.com/pro • www.marantzpro.com

Misc

OTM folders

Alexia, Belva a PCs hand

List of lobbyists

OTB publicis

Ruston outline of ~~working~~ (OTB) papers

Intelsat Agreement (not scanned)

- Aeronautics Satellite Policy

Imrie Book - letters, cables, summaries, memos, Acha items

Intelsat Conference Folders

(A)

not scanned,

(B)

1.) DOD

2.) Do State

3.) Men of Carverston

4.) O'Connell working papers

"Create of OTB"

OTM

BoB

Need for new regulation;

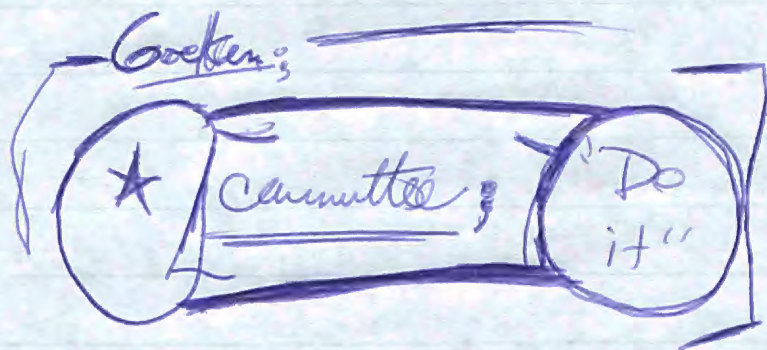
- Unlimited capacity, new medium
- FCC freeze
- ad hoc regulation up until that time
- private vs public interest
- Suggesting local monopolies
- Separation principle; programing or ownership
- no restriction on cross media ownership, multiple also
- Telephone should not control or profit in same area
- govt laissez faire
- non regulated content, - no price controls
- programming incentives should use copyright laws
- Fed should only regulate tech standards
anti-siphoning
- Franchising Authority should regulate

Prohibition of

- ① rate of return regulation
 - ② grants of exclusive franchising
 - ③ franchise fee as revenue raising device
 - ④ dedicated free channels
- ## Requirements
- ① adequate channel capacity
 - ② non-discriminatory channel lease rates
 - ③ Govt should assure rural access
 - ④ minority ownership

- ① Website storage of materials; links etc..
- ② Work out a meeting schedule
- ③

The Big 3 network



Big grant;

Why did you keep cable

2 priorities - ① writing same stuff
② scheduling interviews. → 60's early 20's

③

Goelken. → bit error rates then

MCI

AT & T

Computer Injury III

Muller Anguiano, :

perspective on why, how

one of the first satellite/cable
persuade CATV to lease transport
* I raised money for Gemell -
1st Sat Gemells.

Don Baker :

assistant, acting Attorney General
Nixon years.
development of comp in telecomm.
decision for divestiture.
inter-agency trade price

John Cooke

cable exec

Tom Frazier

CFO of MCI

senior exec, 70's - 80's

MCI,
→

what was MCI's strategy?

Dick Gable : - DAVID

HATED BY AT&T

Competition w AT&T

Separations, rate making....

Where was he on these issues

Jack Green

never the head of SAB
Copyright issues...

Dave Hatfield :

engineer -> general resource
satellite - you speak
DTP -

head of office / planning
Headquarters Colorado

Irwin Jacobs

pres of Qualcomm -
Hughes - innovated

TV-DATV telecom

using small satellite
systems....

engineering/business

Gerry Levin

HBO, how he started it
satellite beginnings

✓ Leased Merles ; communication
(firm) attorney FCC
key in Intel SAT agreements

Peter Marshall BBC - made us of
satellite for TV news
set user

(B) Terry McGinnis TED TURNER regl
head man, became
pres of CNN
caused AOL-Time merger
talk to before TED.

Michael Milken primary financier
of MCI -
junk bonds
innovative financier

New Mission. ATT / FCC.

Bruce Owen;
Joe Pelton
↓
ATT
competitive - PPA economics
sell economics behind this.

Bob Pepper (current) head of policy at FCC
good people
80-90's

Ken Robertson Justice Department
in 80's
squanders away information

Henry Gheller legal policy work
regulator - getting antitrust done

Harold Rosen: geosyncron satellite
Chief engineer @ Hughes
60-70-80's

Sid Schlenberg Right hand to Lou Wasserman
Universal -
perspective of Hollywood studios
on cable/sat financing

Albe Senechere built sat ground stations
at Hughes head ends

Ken Star;

wrote a book (Cannibals)

fell to him the role of courts in
setting case policy

Brian Thompson;

heri approach to
McBreen - business strategy
person - really wanted
OTD years - regularly

WCS

Bert Roberts

Sid Toppell;

late 60 - mostly 1970.

(Consumer electronics innovation)

head of Scientific Atlanta

sat tv was created by

Whitehead, Kern, Toppell

sat 1980. Toppell

Frank Brando

HBO, prog

TV - 70's - 80's

pres of Viacom

Don West -

30 years chief W corresp

Broadcasting Magazine

Dick Wiley :

lawyer, general counsel
PEC, OTR.

The best

Wiley, Rhoad, Feildig.

Commissioner, chairman PEC
Superb politics of regulation.

Bob Wright ;

midlevel cable TV exec -
went on to work @ GE
four pres NBC, got NBC
in cable

Orville Wright

RIP

NET :

behind the scenes

Sam Wyly ;

[seriously wanted comp ART]

University computing

Texas,

DATRAM.

market for digital interactive services,
Comm between computers -

Senator Nick Zappale :

Chief counsel for Senate Comm
Comm. -

John Pastore

Ward White

60-70-80's

installed as
Chief counsel, comm sub committee.
Howard Baker -

Street Suckerman;

organized →

institutional history on
published #1.

staff guy

Fred Friendly;

TV producer - low professo

John Malone:

HTML

Internet.

Start it;

OTR.com

Over my desk body. org ...

Rochester Reports

Can we buy, or reprint a copy
of the Rochester Reports.

Harry P. Davis;

NBC, Westinghouse

[more dates]

Who turned it into a strategy??

Westing include internal memoranda - Archives...

historical focus on transmitter

* find stuff on industrial...

* Radio starts by manufacturer - start revenue...

how the growth of radio receivers grew in the 1920's??

~ long cycles

SES -> ASTRA.

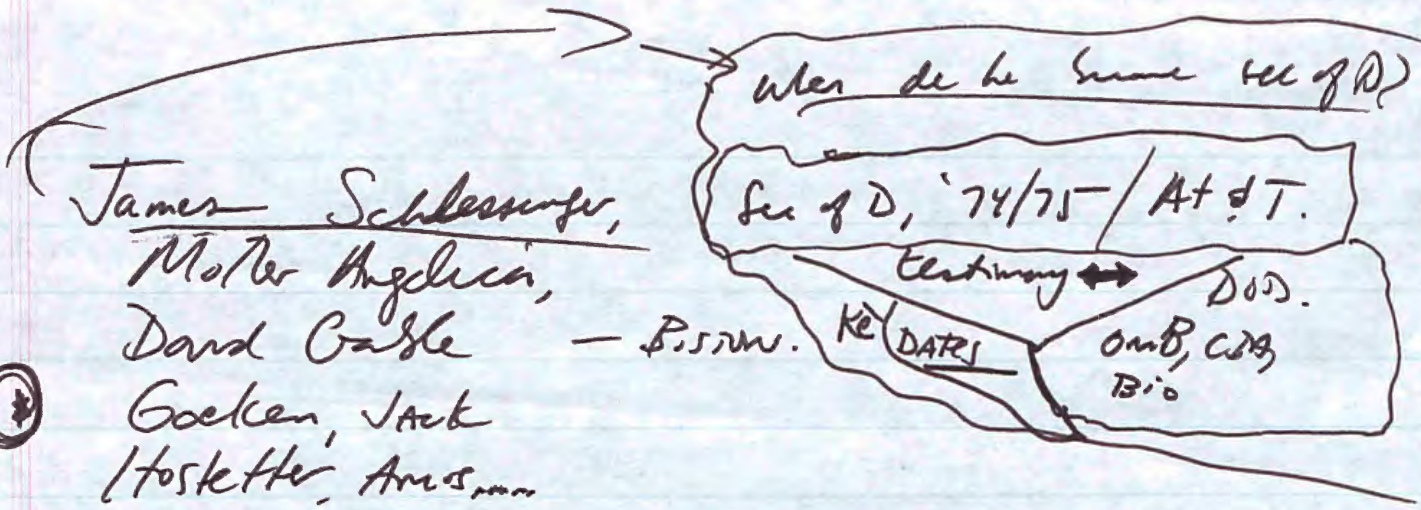
(TV)

remote telephone; -> initial application, supplemented

condsee cables

Who came up with satellite idea??

hearing from [1962]



James Schlessinger,
Moller Anglin,
David Gable - P.S.W.
Goeken, Jack
Hostetter, Aronson



Key Koplanitz ... Brian? USA networks,
Topol
Sam Wylly
Bob Wright ... outline career (NBC, cable)
Irvin Krustel - commercial

Orville Wright (RIP)? MCI.

Harcharik, J Robert (MCI mail)

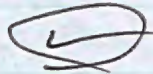

Who is Phillip
Conteloni Contalene;
communicated by

Larry Derby - economist former career Sweeney
Trinens, lawyer for AT & T
Nemor M, Meckel → lawyer at AT & T.

Joyce, Charles ↔ OTP, joint comm. - Brian,
Forn, Chuck ↔

Bios
Books
Davis
Satellite....

get * books [Belshaw.] = "The Great Road"
(Indonesia)

A Cash Nexus  
Dumont. =, catenode Ray tube 1931

who actually sold the radios

Westinghouse → Data on radio sales;
by company:

Westinghouse;
Powell Coveloy Jr.

2. Early Radio History. US. → radio manufacturing
statistics

3. { Westinghouse business plans, manufacturing, financing ... }
RCA archives; → ^{Revenue..}

4. { RCA Archives } — where, who, are they —

* "American Right Funds"
 Vigger recently per



21,827

21,827 points.

8

188 Euro
 green jacket
 220\$

242.50\$
 4 - 100\$

3/3.13
 60\$
 120\$
 + + + +
 564 Euros
 700 \$
 242.50
 752 Euro
 1000 4 nights

188
 242.50
 + 4
 970.20

Weekly Meeting 11/17/04

Admission Policy → bank?
why don't Sundays count?

VOIP bundled packaging in the future.

Hopper to file class...

① Clinton Library Opening; to
Contents...

also catrols into Outlook...

② Time sheets due tomorrow

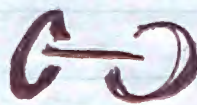
③ Dec 1st Q & A presentation (Dec 12th)
LITA His good to go...

④ Ayesha Mannans address...

⑤ hard copies; a few to send by catrol;
; brochure letter;

Digital Future
Per Request online

⑥ MSD weekly report.....



[Who, what, why, where...]

impact;
[non-applicates;]

Negotiation and Love songs

one after another for one in the same

the thought that life could be better
run through our heads and our veins

call Cindy

Brother A.;

- ① teachers pick for weeks
- ② during summer
- ③ no training provided
- ④ essay is key